



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

Contract Nos. 4400035363, 4400035364, 4400035365, 4400035366, and 4400035367

June 16, 2026



Submitted by:
Waggoner Engineering, Inc.

waggonereng.com



June 16, 2026

Louisiana Department of Transportation and Development
1201 Capitol Access Road, Baton Rouge, LA 70802



**RE: Contract Nos. 4400035363, 4400035364, 4400035365, 4400035366, and 4400035367
IDIQ Contracts for Engineering and Technical Support Services for Critical Projects, Statewide**

Dear Members of the Selection Committee,

Waggoner Engineering, Inc. (Waggoner) is pleased to submit our qualifications to provide engineering and technical support services under the Louisiana Department of Transportation and Development's (LADOTD) IDIQ Contracts for Engineering and Technical Support Services for Critical Projects, Statewide.

Waggoner has assembled a highly qualified team that includes DRMP, Horrocks, Alta, Lazenby, Forte and Tablada, Ardaman, Vectura, and Emergent Method to support LADOTD in delivering complex transportation projects throughout Louisiana. Together, our team provides broad capabilities across the disciplines necessary to successfully execute critical statewide assignments.

Our team brings extensive experience supporting LADOTD on transportation projects involving complex roadway geometry, maintenance of traffic, drainage coordination, utility conflicts, access management, and phased construction sequencing associated with major corridor expansion and operational improvement projects. Through continued work with LADOTD districts across the state, our team has developed a strong understanding of LADOTD design standards, project delivery procedures, review expectations, and coordination requirements necessary to successfully deliver complex projects on accelerated schedules.

RESOURCE CAPACITY: The professionals and resources identified in our organizational chart are readily available and committed to lead this contract through completion. Waggoner employs more than 350 professionals and is supported by additional resources through the Trilon Group, providing the capacity and flexibility needed to manage multiple concurrent task orders and deliver responsive support statewide.

APPROACH AND METHODOLOGY: Waggoner and our subconsultant team bring extensive experience in roadway, bridge, traffic, environmental, geotechnical, survey, utility coordination, project management, and related technical support services. Our approach emphasizes proactive coordination with LADOTD, efficient task order management, disciplined schedule control, and rigorous QA/QC procedures to maintain technical accuracy, consistency, and compliance throughout each assignment.

Waggoner is committed to providing LADOTD with a responsive, experienced, and collaborative team focused on delivering high-quality solutions that support the Department's long-term transportation goals. We appreciate the opportunity to submit our qualifications for these important contracts. If additional information is required, please contact Robert J. Lear, Jr., PE, LSI, at 225.298.0800 or robert.lear@waggonereng.com

Sincerely,

Robert J. Lear, PE, LSI, Vice President
Waggoner Engineering, Inc.



Sections 1-11

I-10: Highland Road to LA 73 Design Build

East Baton Rouge & Ascension Parishes
H.009250

Waggoner Engineering, Inc.
Lead Design Firm

The Primoris/Waggoner team was the only bidder after the other two teams declined to submit a bid.

Past Performance Disciplines performed by Waggoner:
Road, Environmental, Other (Alternative Delivery), Other (SUE)

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 Engineering and Technical Support Services for Critical Projects Statewide
2. Contract Number(s) , as shown in advertisement	Contract Nos. 4400035363, 4400035364, 4400035365, 4400035366, and 4400035367
3. State Project Number(s) , if shown in the advertisement	N/A
4. Prime Consultant Name (name must match <u>exactly</u> as registered with the Louisiana Secretary of State (SOS) where such registration is required by law; including punctuation; <u>include</u> screenshot from SOS at the end of Section 20)	Waggoner Engineering, 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)	Engineering: EF.0002553 Surveying: VF.0000457
6. Prime Consultant Mailing Address	10305 Airline Highway Baton Rouge, LA 70816
7. Prime Consultant Physical Address (existing or to be established, if location is used as an evaluation criteria)	10305 Airline Highway Baton Rouge, LA 70816
8. Name, Title, Phone Number, and Email Address of Prime Consultant's Contract Point of Contact	Robert J. Lear, Jr., PE, LSI Vice President 225.298.0800 robert.lear@waggonereng.com
9. Name, Title, Phone Number, and Email Address of the Official with Signing Authority for this Proposal	Robert J. Lear, Jr., PE, LSI Vice President 225.298.0800 robert.lear@waggonereng.com

10. This is to certify that all information contained herein is accurate and true, and that the team presently has sufficient staff to perform these services within the designated time frame. By submitting this proposal, proposer certifies that it is not engaged in a boycott of Israel and it will, for the duration of its contract obligations, refrain from a boycott of Israel. Proposer also certifies and agrees that the following information is correct: In preparing its response, the proposer has considered all proposals submitted from qualified, potential subcontractors and suppliers, and has not, in the solicitation, selection, or commercial treatment of any subcontractor or supplier, refused to transact or terminated business activities, or taken other actions intended to limit commercial relations, with a person or entity that is engaging in commercial transactions in Israel or Israeli-controlled territories, with the specific intent to accomplish a boycott or divestment of Israel. The proposer also has not retaliated against any person or other entity for reporting such refusal, termination, or commercially limiting actions. DOTD reserves the right to reject the response of the bidder or proposer if this certification is subsequently determined to be false, and to terminate any contract awarded based on such a false response.

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

11. If a Disadvantaged Business Enterprise (DBE) goal has been set for this advertisement, indicate which firm(s) will be used to meet the DBE goal and each firm(s) percentage.



Robert J. Lear, Jr., PE, LSI

Signature above shall be the same person listed in Section 9

Date: June 16, 2026

Firm(s)	Firm Percent
No DBE Goal	N/A



Sections 12-15

I-10: E. Jct. I-49 to Atchafalaya Floodway Bridge

Lafayette & St. Martin Parishes
H.003003, H.010601, H.003014

Waggoner Engineering, Inc.
Lead Design Firm

See Project Featured in Section 17

12. PAST PERFORMANCE EVALUATION DISCIPLINE TABLE:

Past Performance Evaluation Discipline(s)	% of Overall Contract	Waggoner	DRMP	Horrocks	Alta	Lazenby	Forte and Tablada	Ardaman	Vectura (DBE)	Emergent Method	Each Discipline must total to 100%
Road	30.0%	80.0%	10.0%	0.0%	0.0%	10.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Bridge	25.0%	70.0%	20.0%	10.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Traffic	3.0%	20.0%	20.0%	10.0%	0.0%	0.0%	0.0%	0.0%	50.0%	0.0%	100.0%
CE&I/OV	2.0%	70.0%	25.0%	5.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Geotech	5.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	100.0%
Survey	10.0%	30.0%	0.0%	0.0%	0.0%	35.0%	35.0%	0.0%	0.0%	0.0%	100.0%
Environmental	3.0%	20.0%	50.0%	30.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Right-of-Way	5.0%	20.0%	0.0%	0.0%	0.0%	40.0%	40.0%	0.0%	0.0%	0.0%	100.0%
ITS	1.0%	0.0%	50.0%	50.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Other (Alternative Delivery Technical Services)	2.0%	30.0%	30.0%	40.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Other (Project Management)	10.0%	60.0%	20.0%	20.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Other (Roadway Lighting)	1.0%	20.0%	70.0%	10.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Other (SUE)	1.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Other (PR and Graphic Design)	2.0%	0.0%	0.0%	0.0%	50.0%	0.0%	0.0%	0.0%	0.0%	50.0%	100.0%
Identify the percentage of work for the overall contract to be performed by the prime consultant and each sub-consultant.											
Percent of Contract	100.0%	55.7%	14.5%	7.3%	1.0%	8.5%	5.5%	5.0%	1.5%	1.0%	100.0%

* The Waggoner team understands that CE&I/OV services are different than Construction Support services. We envision Owner Verification services being applicable to this contract for tasks such as Alternative Delivery ATC reviews, Peer Reviews, QA/QC reviews, or technical independent engineering reviews for construction projects. We do not envision full CE&I services such as full time inspectors, construction contract administration, etc. as these were not listed in the Attachment A scope of 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)
	Principal	2	2
	Professional	1	2
	Supervisor - Engineer	6	8
	Engineer	7	11
	Engineer Intern	5	8
	Environmental Manager	1	1
	CADD Technician	3	3
	Senior Technician	4	4
	Technician	2	2
	GIS Analyst	0	6
	Instrument Man	2	2
	Surveyor	1	2
	Party Chief	1	3
	Clerical	1	2

	Biologist/Wetlands	4	3
	CADD - Operator	0	4
	Engineer - Other	21	108
	Environmental Professional	0	0
	Environmental Manager	0	0
	Inspector - Bridge	1	1
	Planner	2	3
	Professional	0	62
	Supervisor - Engineer	0	1

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)
	Engineer	16	192
	Planner	1	20
	Landscape Architect	1	3

	CADD Drafter	2	4
	CADD Operator	1	1
	Clerical	0	3
	Engineer	3	6
	Engineer Intern	1	2
	Instrument Man	2	2
	Party Chief	2	2
	Rodman	2	2
	Supervisor - Eng	1	3
	Surveyor	1	1
	Inspector - Certified	0	2
	Inspector	0	1
	Principal	1	1

	Administrative	1	1
	CADD Technician	2	2
	Clerical	1	2
	Engineer	1	6
	Engineer Intern	3	6
	Principal	2	3
	Senior Technician	8	9
	Supervisor - Eng	3	3
	Supervisor - Other	3	4
	Technician	11	15

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)
	Principal	1	2
	Surveyor	Up to 3	5
	Supervisor - Other	1	1
	Senior Technician	1	2

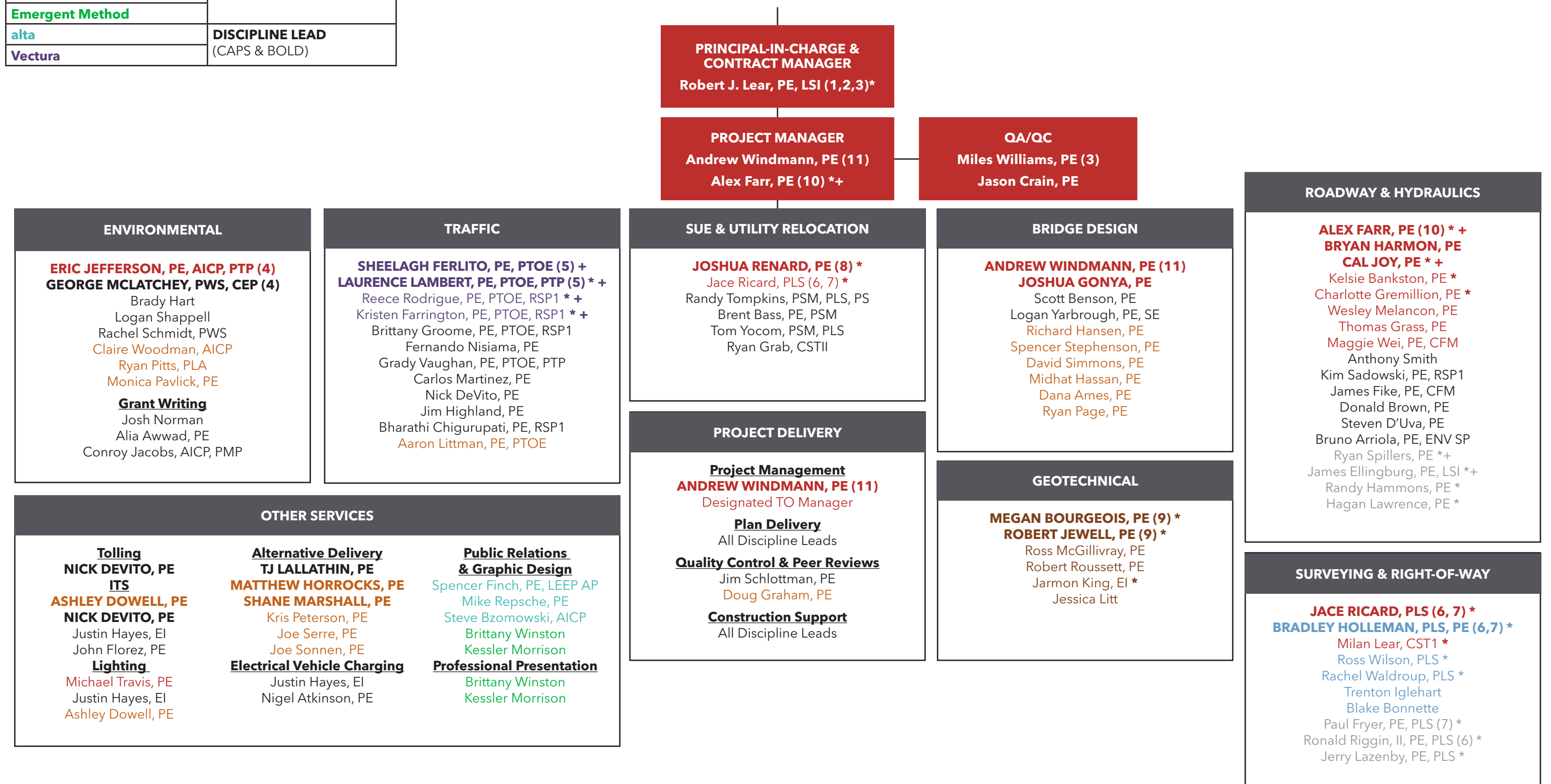
	CADD Technician	2	5
	Clerical	2	4
	Engineer - Other	2	4
	Graphics	2	5
	Landscape Architect	1	3
	Planner	2	4
	Supervisor - Engineer	1	1

	Supervisor - Engineer	2	2
	Engineer	3	5
	Engineer Intern	2	2
	Senior Technician	0	2
	Supervisor - Other	1	1
	Technician	1	1
	Clerical	1	1

	Other (Communications)	1	1
	Other (Graphic Design)	1	1

14. ORGANIZATIONAL CHART:

KEY	
Waggoner	(#) Meets MPR Criteria
DMRP	* Meets Work Zone Training Requirements
Horrocks	
Lazenby	+ Meets Traffic Engineering Process & Report Training Requirements
Ardaman & Associates	
Forte & Tablada	
Emergent Method	
alta	DISCIPLINE LEAD
Vectura	(CAPS & BOLD)



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	Robert Lear, Jr., PE, LSI	Waggoner	PE#29394 - Civil	LA	03/31/2027
2	Robert Lear, Jr., PE, LSI	Waggoner	PE#29394 - Civil	LA	03/31/2027
3	Robert Lear, Jr., PE, LSI Miles Williams, PE	Waggoner	PE#29394 - Civil PE#23094 - Civil	LA LA	03/31/2027 03/31/2028
4	Eric Jefferson, PE, AICP, PTP George Mclatchey, PWS, CEP	Waggoner DRMP	PE#45590 - Civil	LA LA	09/30/2027
5	Sheelagh Brin Ferlito, PE, PTOE Laurence Lambert, PE, PTOE, PTP	Vectura Vectura	PE#25383 - Civil PE#29901 - Civil	LA LA	09/30/2027 03/31/2028
6	Jace Ricard, PLS Bradley Holleman, PLS, PE Ronald Riggan, III, PLS, PE	Waggoner Forte and Tablada Lazenby & Associates	PLS#5205 PLS#5082, PE#47165 - Civil PLS#5119, PE#36016 - Civil	LA LA LA	09/30/2027 09/30/2026, 3/31/2027 03/31/2027, 03/31/2027
7	Jace Ricard, PLS Bradley Holleman, PLS, PE Paul Fryer, PLS, PE	Waggoner Forte and Tablada Lazenby & Associates	PLS#5205 PLS#5082, PE#47165 - Civil PLS#4806, PE#23426 - Civil	LA LA LA	09/30/2027 09/30/2026, 03/31/2027 09/30/2027, 09/30/2027
8	Joshua Renard, PE	Waggoner	PE#36015 - Civil	LA	03/31/2027
9	Robert Jewell, PE Megan Bourgeois, PE	Ardaman Ardaman	PE#38579 - Civil PE#36725 - Civil	LA LA	09/30/2026 03/31/2028
10	Alex Farr, PE	Waggoner	PE#40426 - Civil	LA	09/30/2026
11	Andrew Windmann, PE	Waggoner	PE#39042 - Civil	LA	09/30/2026

* The Waggoner team has multiple personnel assigned to this contract who have the qualifications necessary to meet each minimum personnel requirements. Individuals listed are the key personnel for each MPR. Additional names were not added to keep the response clear and concise.



Sections 16

LA 73: US 61 (Airline Highway) - LA 426 (Essen Lane)

H.010652

Waggoner Engineering, Inc.
Lead Design Firm

Past Performance Disciplines performed by Waggoner: Road, Traffic

Showing interim completion of major roadway rehabilitation/replacement in East Baton Rouge. Project involved heavy consideration of maintenance of traffic during construction due to the large ADT and numerous residential and commercial access points in the project limits.

16. STAFF EXPERIENCE:

Project Management & Support

16. STAFF EXPERIENCE:

	Firm Employed By: 				
	Name	Robert J. Lear, Jr., PE, LSI		Years of Relevant Experience with this Employer	27
	Title	Vice President / Transportation Market Sector Lead		Years of Relevant Experience with Other(s) Employers	3
	Degree(s) / Years / Specialization		BS / 1996 / Civil Engineering		
	Active Registration Number / State / Expiration Date		PE# 29394 / LA / 03-31-2027		
	Year Registered	2001	Discipline	Civil Engineering Meets MPR 1, 2, & 3	
Robert will be responsible for the day-to-day management of the IDIQ Contract, ensuring all task orders are executed according to scope, schedule, and budget. He will oversee the preparation of preliminary and final plans, coordinate with all team members, and ensure compliance with LADOTD guidelines while incorporating environmental and constructability reviews. With over 20 years of LADOTD project design and management experience, Robert will provide QA/QC oversight to ensure each project meets LADOTD's goals and is delivered on time.					
Experience Dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).				
03/13 - 07/22 SECTION 17 PROJECT	I-10: East Jct. I-49 to LA 328, Lafayette and St. Martin Parishes, LA (H.003003) I-10: LA 328 to LA 347, St. Martin Parish (H.003014) I-10: LA 347 to Atchafalaya Floodway Bridge, St. Martin Parish (H.003014) Project Manager and Lead Road Design Engineer Of Record. Robert served as the project manager and lead road design engineer of record for capacity and pavement preservation improvements for I-10 in Lafayette. These three projects were designed concurrently under a road design retainer and constructed under three separate construction contracts. He designed roadway geometrics, drainage, graphical grades, ramp terminals, roundabout intersections, and construction sequencing. He also coordinated the multi-discipline plan set packaging, quantity computations, specs, special provisions, pay items, design reports, design waivers, design exceptions, and utility conflicts. He played an active role in construction support as well.				
01/13 - Ongoing SECTION 17 PROJECT	I-49 South: US 90 and Ambassador Caffery Interchange, Lafayette Parish, (H.002868) Roadway Design Engineer. Robert is a roadway design engineer for a new interchange on future I-49 at Ambassador Caffery Parkway in Lafayette, LA. Robert is responsible for the horizontal and vertical geometric design and road plan production of a four-tiered interchange, eight lane mainline, two-lane one way frontage roads, and u-turns.				
05/20 - Ongoing SECTION 17 PROJECT	I-10: LA 415 to Essen Lane on I-10/I-12 (CMAR), E. Baton Rouge Parish, LA (H.004100) Roadway Design Engineer. Robert is a roadway design engineer for the widening of I-10, interchange improvements, and surface street improvements through Baton Rouge. His responsibilities include urban roadway, freeway, and interchange geometrics, profile design, typical sections, design reports, establishing required right of way, and plan preparation using Microstation and Inroads. He is part of the roadway task force which collaborates with the design team, LADOTD, and the CMAR contractor.				
09/22 - Ongoing SECTION 17 PROJECT	LA 1088: Soult and Trinity Roundabouts, St. Tammany Parish, LA (H.010116) Project Manager. This project included replacing two intersections and the connecting two-lane urban arterial with roundabouts and a four-lane boulevard section. Robbie served as Project Manager, overseeing all aspects of project delivery including roadway geometrics, design reports, technical calculations, and plan development. He led the design team in evaluating the addition of two new roundabouts and assessing roadway design constraints to determine optimal locations and approaches. Robbie ensured the design effectively tied into existing conditions while maintaining access and minimizing impacts throughout the corridor.				

Robert Lear resume continued

03/03 - Ongoing	LA1 Improvements: Fourchon-Golden Meadow, Lafourche Parish, LA (700-29-0112 H.008145 H.004526) Project Manager, Road Design Engineer, Permitting Manager. Robert has served multiple roles for this multi-phase mega project to add 17 miles of tolled bridge on new alignment through coastal LA. During Phase 1 (Fourchon-Leeville), he designed roadway, geometrics, permanent signing, permanent striping, roadway lighting, construction canal dredging plans, marsh creation mitigation plans, and provided construction support. He performed CE&I/OV services for the toll gantry, roadway lighting, electrical systems, wayfinding signage, permanent signing, and new toll building. He also prepared and secured all construction permits (USACE, DNR, USCG, DEQ) for Phases 1 and 2. He prepared demolition plans for the old Bayou Lafourche bridge substructure, SUE and utility coordination for all pipelines in the active oil and gas field. The multi-phase geometric design for both current build with future build accommodations included complex urban freeway interchange design as required in MPR 10.
10/12 - Ongoing	Hooper Rd Widening (LA 408) Blackwater-Joor, East Baton Rouge Parish, LA (H.002316) Project Manager. Robert was the project manager during the Environmental Assessment Phase of this 2.2 mile urban roadway capacity project. Hooper Road is being upgraded to a 4-lane blvd with complete streets accommodations. He also managed the topo survey and prepared Right-of-Way maps.
04/02 - 04/12	Jones Creek Rd Improvements Tiger Bend Road - Coursey Blvd., East Baton Rouge Parish, LA (H.007137) Project Manager and Lead Road Design Engineer. Robert was the project manager and lead road design engineer for the widening of a two-lane road to a five-lane urban section. He designed roadway geometrics, intersections, sidewalks, residential and commercial drives, pavement markings, and cross sections. He also managed the topographic survey and worked under PLS supervision for the preparation of Right-of-Way maps.
10/20 - Ongoing	I-10 and I-12 College Drive Flyover Ramp Design-Build (CE&I/OV), East Baton Rouge Parish, LA (H.013897) Lead Road Design Engineer. Robert is serving as the lead design review engineer for the following design units: definitive design, clearing and grubbing, roadway, drainage, maintenance of traffic, pavement marking and signing, SWPPP, and TMP Level 4. His responsibilities include technical reviews of calculations and drawings for conformance to the minimum guidelines, project technical performance specifications, and contract documents.
05/21 - 03/23	LA 352 Drainage Improvement, St. Martin Parish, LA (H.014415) Project Manager and Design Engineer. Robert was the project manager and design engineer of record for drainage improvements along LA 352 in Henderson, LA. The project includes removing several undersized side drains and side road cross drains with a 10x6 RCB to alleviate regional flooding problem near the I-10 Henderson exit. The design also incorporates a drainage bypass system to balance flows near the interchange. Robert is responsible for coordinating the project with the District 03 administrator, DTOE, area engineer, and utility coordinator, along with the design of the drainage systems, maintenance of traffic plans, and construction plan development.
08/18 - 10/22	I-220/I-20 Interchange and BAFB Access Design-Build, Bossier Parish, LA (H.003370) Lead Road Design Engineer. The project includes adding ramps to the existing I-20/I-220 Interchange and providing full access to the Barksdale Air Force Base via a new four-lane rural arterial roadway. Robert is the roadway design engineer for this LADOTD Design-Build Project. He is responsible for preparing the geometric design criteria reports, design exceptions, horizontal and vertical geometrics for the interstate, diagonal and loop ramps, C-D road, and rural arterial; superelevation transitions, typical sections, plan profile sheets, geometric control, geometric layout, geometric details, cross sections, drainage design including cross drains, storm drains, side drains, roadside ditches, existing and design drainage maps, clearing and grubbing plans, and construction support. Robert also was responsible for QA/QC reviews and/or independent reviews of the Stormwater Pollution Prevention Plan, Interchange Modification Report re-evaluation, traffic control plans, signing and striping plans, and transportation management plan.
01/14 - 07/16	LA342: Roundabout at LA 724, Lafayette Parish, LA (H.002163) Project Manager and Lead Road Design Engineer. Robert served as the project manager and road design engineer for a four-legged single lane roundabout in Lafayette Parish. He was responsible for the horizontal and vertical geometric design, typical sections, suggested sequencing, permanent pavement markings, permanent signing, quantities and opinion of probable costs for this project. He also supervised all survey and SUE efforts. Utility locates included QL-D and QL-C locates. Robert coordinated with District 03 for utility relocation requirements and needs.

16. STAFF EXPERIENCE:



Firm Employed By:



Name	Andrew Windmann, PE		Years of Relevant Experience with this Employer	3
Title	Senior Bridge Design Engineer		Years of Relevant Experience with Other(s) Employers	13
Degree(s) / Years / Specialization		BS / 2010 / Civil Engineering		
Active Registration Number / State / Expiration Date		PE# 39042 / LA / 09.30.26		
Year Registered	2014	Discipline	Civil Engineering	

Contract Role(s) / Brief Description of Responsibilities | Discipline Lead - Bridge / Construction Support | **Meets MPR 11**

Experience Dates (mm/yy-mm/yy) | Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).

03/13 - 12/19

SECTION 17 PROJECT

I-10: I-49 E. Junction to LA 328 Widening Project, Lafayette, LA (H.003003)

Lead Bridge Design Engineer. Andrew served as the lead bridge design engineer on this project that included the widening or full replacement of 12 bridge structures (six unique sites) along the I-10 mainline. The scope of this project included the initial assessment of each bridge to provide recommendation on widening versus replacement, while factoring in current condition, load-carrying capacity, and feasibility of construction. During Stage 3 of the project, Andrew led the structural team, ensuring the design of every component and detailing of over 300 plan sheets were performed with great quality following LADOTD's QC/QA plan. Structural components included concrete slab span bridges and decks, skewed PPC girder superstructures (AASHTO and LG girders), pile-supported bent caps, column bents supported on pile footings and drilled shafts. Andrew also provided construction-related engineering services throughout the 3.5-year construction time frame. Services included fabrication drawing review, responding to contractor RFIs and contractor proposals, as well as reviewing required contract submittals. **This project included complex urban highway design as required in MPR 11.**

03/13 - 12/19

SECTION 17 PROJECT

I-10: LA 347 to Atchafalaya Floodway. Widening Project, St. Martin, LA (H.003014)

Lead Bridge Design Engineer. Andrew served as the lead bridge design engineer on this project that included the rehabilitation and widening of six bridge structures (three unique sites) along the I-10 mainline. The scope of this project included the initial assessment of each bridge to provide recommendation on widening versus replacement, while factoring in current condition, load carrying capacity, and feasibility of construction. During Stage 3 of the project, Andrew led the structural team, ensuring the design of every component and detailing of over 120 plan sheets were performed with great quality following LADOTD's QC/QA plan. Structural components included concrete decks, skewed PPC girder superstructures (AASHTO-girders), pile supported bent caps, column bents supported on pile footings, and drilled shafts. Andrew also provided construction-related engineering services throughout the 3.5-year construction time-frame. Services included fabrication drawing review, responding to contractor RFIs, and contractor proposals, as well as reviewing required contract submittals. **This project included complex urban highway design as required in MPR 11.**

08/16 - 08/22

SECTION 17 PROJECT

I-10: LA 328 to LA 347 Widening Project, St. Martin, LA (H.010601)

Lead Bridge Design Engineer. Andrew served as the lead bridge design engineer on this project that included the replacement of two existing mainline bridges over an abandoned railroad and local road with at-grade I-10 roadway and a singular new bridge allowing the local road to overpass the interstate. The scope of this project included the design and detailing of every component while committing to great quality. Initial work on this project included the structure layout (type, size, and location) of the new overpass structure to ensure adequate horizontal and vertical clearance were provided. Structural components included concrete deck, skewed LG-girder superstructures pile-supported bent caps, column bents supported on pile footings, and columns supported on drilled shafts. Andrew also provided construction-related engineering services throughout the three-year construction time-frame. Services included fabrication drawing review, responding to contractor Requests for Information and contract proposals, as well as reviewing required contract submittals.

4/26 - Ongoing SECTION 17 PROJECT	IJA Off-System Bridge Replacement Project Management Bundle, Statewide (69 Projects)(4400029197) Contract and Lead Project Manager. Andrew serves as the lead project manager providing project administration and technical review services for a statewide program consisting of more than 69 IJA-funded off-system bridge replacement projects across multiple LADOTD districts. Responsibilities included supporting the LADOTD Project Manager in overseeing project delivery, coordinating milestone reviews, managing stakeholder communication, and tracking environmental, Right-of-Way, utility, and survey-related activities throughout project development. The team performed comprehensive roadway, bridge, and hydraulic design reviews at key submittal milestones, evaluating compliance with current AASHTO criteria, LADOTD policies, construction specifications, and industry best practices while assessing overall constructability and biddability. Services also included review of design reports, design exceptions and waivers, bid package preparation support, contractor proposal evaluations, and recommendations for final plan acceptance and project letting.
01/13 - Ongoing SECTION 17 PROJECT	I-49 South: US 190 and Ambassador Caffery Interchange, Lafayette Parish, LA (H.002868) Bridge Design Lead. This project entails the construction of a new full access controlled grade separated interchange at the intersection of Ambassador Caffery Parkway (LA 3073) and US 90 (future I-49 South). The overpass consisted of precast prestressed concrete girders (LG girders) supported on reinforced concrete column bents founded on pile-supported footings. Waggoner performed roadway and bridge design, plan development, cost estimating, and specification support on this project. Andre provided construction related engineering services including responding to multiple RFI and Contractor Proposals as well as shop drawings.
04/21 - Ongoing SECTION 17 PROJECT	Rural Bridge Replacement Initiative Phase II (South), LA (16 Projects) (440001338), Various Locations, LA Bridge Design Lead. Andrew is the bridge design lead for this project. Waggoner is leading engineering design and coordination for the replacement of 29 state highway bridges across five LADOTD districts, organized into 16 concurrent projects. The team is responsible for preliminary and final roadway and bridge design, drainage and structural engineering (including reinforced concrete components and prestressed girders), ROW determination, and environmental coordination for NEPA compliance. Waggoner collaborates with subconsultants and maintains regular client communication to ensure timely submittals and effective project alignment.
05/10 - 10/23	LADOTD Bridge Design Section Engineer Intern to Assistant Bridge Design Administrator Prior to joining Waggoner, Andrew worked in the Bridge Design section at LADOTD for 13.5 years. Andrew gained a breadth and depth of organizational, procedural, and state-specific knowledge of LADOTD's design requirements, including internal policies, preferences, and intimate knowledge of the current standard plans. Part of his time working in the Bridge section, Andrew served as a manager in the Bridge Manual, Specifications, and Standards sub-unit, where he oversaw the development of the slab-span standard plans, LG-girder standard plans, among others. Immediately prior to joining Waggoner, Andrew served as the state-wide Bridge Preservation program manager whose responsibility it was to understand the overall health of the over 7000-bridge inventory as well as program bridge replacement, rehabilitation, and repair projects over a rolling eight-year program to spend an annual budget of \$240 million. He has a unique understanding of the Department's need for practical design and getting the most efficient bridge replacements completed to get the most use of the insufficient funds received for bridge preservation across the state. While working for LADOTD, Andrew served as the Department's Bridge Design task manager on several high-profile and critical projects where he was responsible for ensuring the design consultant was providing safe, complete, and constructable structural plans and supporting calculations. Having involvement with these projects exposed him to a wide range of structure types, site considerations/constraints, project hurdles from multiple perspectives (outside stakeholder interests, financial implications, and design/construction concerns), and overall understanding of the magnitude of effort needed from the entire project team to successfully manage/deliver these large projects. Some of these projects are shown below: • H.004100 - LA 415 to Essen Lane on I-10/I-12 (CMAR), East Baton Rouge, LA • H.013284 - MRB South GBR: LA 1 to LA 30 Connector (PEL), East Baton Rouge and West Baton Rouge, LA • H.011137 - I-12: LA 1077 to LA 21, St. Tammany, LA • H.013866 - I-12: LA 21 to US 190, St. Tammany, LA • H.011152 - I-12: US 190 to LA 59, St. Tammany, LA • H.005967 - Nelson Rd. Extension and Bridge, Calcasieu, LA • H.005121 - LA 1/LA 415 Connector Stage 0/1, West Baton Rouge, LA

16. STAFF EXPERIENCE:



Firm Employed By:  WAGGONER				
Name	Alex Farr, PE		Years of Relevant Experience with this Employer	12
Title	Senior Transportation Engineering Manager		Years of Relevant Experience with Other(s) Employers	2
Degree(s) / Years / Specialization		BS / 2011 / Civil Engineering		
Active Registration Number / State/Expiration Date		PE# 40426 / LA / 09.30.2026		
Year Registered	2016	Discipline	Civil Engineering	
Contract Role(s)/Brief Description of Responsibilities		Discipline Lead - Roadway Design/Geometrics Meets MPR 10		
Alex Farr is a licensed civil engineer with extensive LADOTD experience in roadway design, pavement preservation, transportation systems management (TSM), and drainage improvements. For this IDIQ Design Services contract, Alex will serve as both Project Manager and Road & Drainage Discipline Lead, providing overall project leadership, task order oversight, and QA/QC management. In this role, he will direct roadway and drainage design, survey integration, project stationing, and documentation of drainage structures, utilities, and existing conditions. Alex will ensure all design activities adhere to LADOTD's Roadway Design Procedures, Details Manual, and Louisiana Standard Specifications, while also managing construction support services such as plan clarifications, responses to RFIs, and coordination with LADOTD staff.				
Experience Dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
03/13 - 07/22 SECTION 17 PROJECT	I-10: East Jct. I-49 to LA 328, Lafayette and St. Martin Parishes, LA (H.003003) I-10: LA 328 to LA 347, St. Martin Parish, LA (H.003014) I-10: LA 347 to Atchafalaya Floodway Bridge, St. Martin Parish, LA (H.003014) Project Engineer. Alex prepared road design plans for the interstate, ramps, and overpasses for all 3 segments of I-10. The TMPs pertained to alternate route analysis, public information, stakeholder involvement, traffic and safety data, temporary traffic control, and work zone impact management strategies. Alex was also responsible for the suggested sequence of construction, temporary signing, and quantity computations for each construction funding source and control section. Alex prepared road design plans for the interstate, ramps, and overpasses for all three segments of I-10. H.003003 and H.003014 included complex urban highway design as required in MPR 10.			
05/20 - Ongoing SECTION 17 PROJECT	I-10: LA 415 to Essen Lane on I-10/I-12 (CMAR), E. Baton Rouge Parish, LA (H.004100) Project Engineer. Alex was responsible for developing the proposed vertical profiles along the entire mainline corridor as well as their respective service roads, surface streets, entrance, and exit ramps. This included determining existing vertical clearance along the corridor and adjusting the profile to meet the minimum vertical clearance per LADOTD minimum design guidelines. This was performed along this corridor by using as-builts pertaining to their respective locations. Alex was also responsible for calculating the roadway and bridge construction costs for the Project Opinion of Probable Costs. This project also included complex urban highway design required in MPR 10.			
01/17 - Ongoing SECTION 17 PROJECT	I-49 South: US 90 & Ambassador Caffery Interchange, Lafayette Parish, LA (H.002868) Project Engineer. Alex was responsible for the storm sewer drainage design along the northbound and southbound service roads for this project. Alex was also responsible for preparing a traffic signal plan including a traffic signal warrant analysis as well as an operational analysis concerning the two new proposed signals at the NB and SB service roads and Ambassador Caffery. Alex also developed the Transportation Management Plan (TMP) for this project to minimize impacts to the traveling public throughout construction. This project also included complex urban highway design required in MPR 10.			

Alex Farr resume continued

10/20 - Ongoing SECTION 17 PROJECT	Rural Bridge Replacement Initiative Phase II (South), LA (440001338) Project Manager and Road Design Lead. Alex serves as Project Manager for this statewide program consisting of 16 bridge replacement projects at 29 sites throughout south Louisiana. He is responsible for managing project delivery, client coordination, schedules, budgets, and quality control while overseeing the development of Project Design Reports (PDRs), roadway geometry, bridge approaches, and maintenance of traffic plans. Alex coordinates with subconsultants and LADOTD staff to ensure timely delivery of project milestones, progress reporting, and contract requirements.
09/22 - Ongoing SECTION 17 PROJECT	LA 1088: Soutl and Trinity Roundabouts, St. Tammany Parish, LA (H.010116) Project Engineer. This project included replacing two intersections and the connecting two-lane urban arterial with roundabouts and a four-lane boulevard section. Alex supported the design effort through development of roadway geometrics, technical calculations, and plan production. He assisted in preparing the sequence of construction to maintain traffic and minimize disruption throughout project phasing. Alex also contributed to public meeting coordination and materials, helping communicate design concepts and gather stakeholder input to inform the final design.
08/18 - 10/22	I-220/I-20 Interchange and BAFB Access Design-Build, Bossier Parish, LA (H.003370) Project Engineer. Alex was responsible for performing the design of the ramp's profiles, including the super elevation calculations as well as the graphical grades. Alex was also responsible for the permanent striping plans, clearing and grubbing plans, and the quantity estimate. This project also included complex urban highway design required in MPR 10.
10/20 - Ongoing	I-10 & I-12 College Drive Flyover Ramp Design-Build (CE&I/OV), E. Baton Rouge Parish, LA (H.013897) Road and Construction Sequencing Design Reviewer. Alex is serving as a road and construction sequencing design reviewer, providing support services to LADOTD for this Project. This project consists of modifying the I-10 West/College Drive exit into separate I-12 West and I-10 West exits. Mr. Farr's responsibilities include reviews of roadway plans and construction sequencing with consideration being given to LADOTD Design Guidelines and Standard Details and Specifications.
10/16 - 12/20	I-10: Highland to LA 73 Design-Build Project, E. Baton Rouge and Ascension Parish, LA Project Engineer. Alex was responsible for performing the Transportation Management Plan (TMP) as well as the Safety Analysis for this project to determine what safety concerns correlated to the construction of this segment. Alex was also responsible for the suggested sequence of construction, guardrail design, and the quantity estimate for the above mentioned project.
2019 - Ongoing	Jones Creek Road Improvements Phases 1A & 1B, East Baton Rouge Parish, LA Project Manager. Waggoner was contracted by the East Baton Rouge Parish Department of Transportation and Drainage through the MOVEBR Program to design the extension of Jones Creek Road from the existing Tiger Bend Road intersection to a new terminus point on Airline Highway. The project includes a 2-mile 4-lane boulevard on new alignment, green infrastructure drainage features, a roundabout at Jefferson Highway, a new residential subdivision access point for an existing subdivision, a new bridge over Claycut Bayou, topographic and Right-of-Way mapping, and stormwater detention ponds to control outfall channel levels. Alex designed the roadway geometrics, typical sections, geometric details, cross sections, MOT, quantities, and construction cost estimates. This project also included complex urban highway design required in MPR 10.
2018 - 05/24	Scotlandville Parkway to Downtown Baton Rouge Bike Trail (H.013267) Project Engineer. Alex served as the project engineer and designed a bike trail from Memorial Stadium to BREC Scotlandville Parkway Park. The design included separated mixed use trails, road to trail conversions, and shared lanes. Alex also prepared the striping and signing plans for this route, quantities and estimated construction cost.
12/14 - 04/19	Acadian Thruway Safety Improvements (H.011261) Project Engineer. Alex computed project quantities, sequence of construction, and the striping plan for this mill and overlay project. Alex also was responsible for utility location along this segment. He designed geometric alternates for the intersection at Claycut Road.

16. STAFF EXPERIENCE:

	Firm Employed By:  WAGGONER				
	Name		Miles Williams, PE	Years of Relevant Experience with this Employer	36
	Title		Senior Vice President	Years of Relevant Experience with Other(s) Employers	8
	Degree(s) / Years / Specialization		BS / 1983 / Civil Engineering		
	Active Registration Number / State / Expiration Date		PE# 23094 / LA / 03.31.28		
	Year Registered	1988	Discipline	Civil Engineering	
Contract Role(s) / Brief Description of Responsibilities		Principal-in-Charge / Meets MPR 3			
Miles will oversee the project and ensure all services are performed in compliance with the IDIQ Contract and specific task orders. He will provide high-level direction and decision-making, ensuring adherence to the LADOTD Location and Survey Manual and other relevant LADOTD standards. Miles will be responsible for the final approval of all deliverables and coordination with the LADOTD's Chief Engineer to ensure quality and conformity with LADOTD's standards. With extensive experience as a design engineer and project manager on traffic engineering and transportation projects, Miles has led the design of individual and interconnected traffic signal systems, supervised multidisciplinary design teams, and developed maintenance of traffic, construction phasing, and construction signing plans and specifications for a variety of governmental and private clients.					
Experience Dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).				
03/13 - 07/22 SECTION 17 PROJECT	I-10: East Jct. I-49 to LA 328, Lafayette and St. Martin Parishes, LA (H.003003) I-10: LA 328 to LA 347, St. Martin Parish, LA (H.003014) I-10: LA 347 to Atchafalaya Floodway Bridge, St. Martin Parish, LA (H.003014) Miles served as the principal-in-charge and road design engineer for capacity and pavement preservation improvements for I-10 in Lafayette. These three projects were designed concurrently under a road design retainer and constructed under three separate construction contracts. He provided overall contract management, designed sequence of construction plans, and mentored the roadway design calculation and plan preparation process. He played a supportive role in construction support as well. This project included complex urban highway design as required in MPR 3.				
01/13 - Ongoing SECTION 17 PROJECT	I-49 South: US 90 and Ambassador Caffery Interchange, Lafayette Parish, LA (H.002868) Miles is the road design engineer of record for a new interchange on future I-49 at Ambassador Caffery Parkway in Lafayette, LA. He is responsible for the horizontal and vertical geometric design, subsurface and open ditch drainage design, and road plan production of a four-tiered interchange, eight lane mainline, two-lane one way frontage roads and u-turns. He also is responsible for coordinating the frontage road extensions and interchange alternative design for future/interim condition implementation. This project included complex urban highway design as required in MPR 3.				
05/20 - Ongoing SECTION 17 PROJECT	I-10: LA 415 to Essen Lane on I-10/I-12 (CMAR), East Baton Rouge Parish, LA (H.004100) Miles is the road design lead professional for the replacement of I-10, interchange improvements, and surface street improvements through Metro Baton Rouge. His responsibilities include road and drainage design, complex interchange geometric design, maintenance of traffic/sequencing plans, coordinating with the CMAR contractor, design and constructability reviews, value engineering assessments, cost estimating, project phasing for GMP limit determination, proposed right of way and control-of-access limit determination, utility coordination, and public involvement. This project included complex urban highway design as required in MPR 3.				

Miles Williams resume continued

03/03 - Ongoing	LA1 Improvements: Fourchon-Golden Meadow, Lafourche Parish, LA (700-29-0112 H.008145 H.004526) Project Manager, Lead Road Design Engineer, Principal-In-Charge. Miles was the lead road design engineer for Phase 1 of this multi-segment mega project to add 17 miles of tolled bridge on new alignment through coastal LA. During Phase 1 (Fourchon-Leeville), he designed both interim and ultimate interchange/intersection geometrics, roadway plans, permanent signing, permanent striping, and provided construction support. He is the principal-in-charge for environmental and permitting services, and construction support services for Phase 2 (Leeville-Golden Meadow). The multi-phase geometric design for both current build with future build accommodations included complex urban freeway interchange design as required in MPR 3.
10/12 - Ongoing	Hooper Rd Widening (LA 408) Blackwater-Joor, East Baton Rouge Parish, LA (H.002316) Principal-in-Charge. Miles is the principal-in-charge for the NEPA EA and urban road design of this 2.2 mile capacity project. Hooper Rd is being upgraded to a 4-lane blvd with complete streets accommodations. This project included complex urban highway design as required in MPR 3.
04/02 - 04/12	Jones Creek Road Improvements Tiger Bend Road - Coursey Blvd., East Baton Rouge Parish, LA (H.007137) Miles was the principal-in-charge for the Jones Creek Road Improvements project for LADOTD. The project involves widening an existing two-lane roadway to a five-lane curb and gutter roadway with subsurface drainage. He was responsible for contracts, geometrics, road design, sequence of construction, signing and coordination of traffic signalization. He was also the project manager during the topographic and boundary survey and Right-of-Way map preparation phases. This project included complex urban highway design as required in MPR 3.
12/14 - 04/19	S. Acadian Thruway (Perkins Rd - LA 73), East Baton Rouge Parish, LA (H.011261) Miles was the principal-in-charge for the safety project designed to reduce the number of accidents along the stretch of Acadian Thruway. The project includes replacing the asphalt overlay and improving the intersection design at Claycut Road. Miles reviewed proposed safety and sidewalk improvements as they were implemented in the project.
04/18 - Ongoing	Belle Chasse Bridge and Tunnel Replacement Public-Private Partnership Project, Plaquemines, and Jefferson Parish, LA (H.004791) Waggoner is a design subconsultant providing drainage design for this alternative delivery project. Miles is serving as project principal and hydraulic design engineer. His work entails liaison with the prime consultant, builder, concessionaire and LADOTD. He is also assisting in the design of the drainage system for the roadways throughout the project including storm sewer design, drainage plans preparation, and generation of quantities. This project included complex urban highway design as required in MPR 3.
10/20 - Ongoing	I-10 & I-12 College Drive Flyover Ramp Design-Build (CE&I/OV), E. Baton Rouge Parish, LA (H.013897) Road Design and Drainage Design Reviewer. Miles is serving as a road design and drainage design reviewer, providing support services to LADOTD through the Owner Verification Team (OVT) for this Project. This project consists of modifying the I-10 West/College Drive exit into separate I-12 West and I-10 West exits. Mr. Williams' responsibilities include participation in the progress reviews of each Design Unit and Ready for Construction (RFC) Plan submittals. These reviews include roadway plans, drainage plans, geometrics and construction sequencing with consideration being given to LADOTD Design Guidelines, Hydraulics Manual requirements, Standard Details and Specifications.
08/18 - 02/20	I-220/I-20 Interchange and BAFB Access Design-Build, Bossier Parish, LA (H.003370) Project Principal. Miles has served as the project principal on this design-build team lead by James Construction Group and Huval and Associates. Miles supervised all of Waggoner's efforts on this project which included all urban interstate highway design and plan preparation, drainage design and pavement marking plans. The interchange design includes complex geometrics, sequencing of construction while maintaining traffic on I-20 and coordination with a major railroad and the US Air Force technical team at Barksdale Air Force Base. This project included complex urban highway design as required in MPR 3.

16. STAFF EXPERIENCE:



Firm Employed By:



Name	Jason Crain, PE		Years of Relevant Experience with this Employer	26
Title	Vice President, Senior Project Manager		Years of Relevant Experience with Other(s) Employers	1
Degree(s) / Years / Specialization		BS / 1996 / Civil Engineering		
Active Registration Number / State / Expiration Date		PE#30275 / LA / 9.30.2026		
Year Registered	2002	Discipline	Civil Engineering	

Contract Role(s) / Brief Description of Responsibilities Project QA/QC

Jason will serve as the contract QA/QC Manager. He will use his extensive engineering, program management, and project management experience to ensure that all projects follow the established QA/QC protocols. For this project, Jason will develop and implement quality assurance and quality control plans, conduct regular inspections and audits, and ensure that all project activities adhere to specified standards and regulatory requirements to guarantee the highest level of quality in project deliverables.

Experience Dates (mm/yy-mm/yy) Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).

07/19 - Ongoing	MOVEBR Infrastructure Enhancement and Traffic Mitigation Program, East Baton Rouge Parish, LA Lead Project Manager. Waggoner is the lead partner with Stantec as the Program Management firm for the Corridor Improvement and Community Enhancement Projects under the MOVEBR Infrastructure Enhancement and Traffic Mitigation Program in April 2019. This \$1.0 billion program is the largest transportation infrastructure program ever implemented by East Baton Rouge (EBR) Parish. Based upon the tax proposition approved by the citizens of the Parish, proceeds will be used on projects to increase capacity and make safety, mobility, and access management improvements to certain roadways/intersections throughout the Parish. There are additional projects that will enhance existing corridors by providing pavement resurfacing, traffic signal synchronization, turn lane improvements, drainage upgrades, lighting, ADA compliance features, and Complete Street elements such as cycling paths, sidewalks, transit accommodations, and Green Infrastructure. Waggoner's staff is working closely with the Stantec staff along with key EBR Dept. of Transportation and Drainage (DTD) personnel in a team effort to coordinate all programmatic functions necessary to deliver over 83 MOVEBR projects by the year 2032. Jason serves as Lead Project Manager for Waggoner, managing Waggoner's role in the MOVEBR Program and responsible for 8 engineering, construction, and administrative staff members. Along with management responsibilities, Jason currently serves as Deputy Program Manager for Project Delivery ensuring all program projects are progressed through design, bidding, and construction on time and within budget. This entails coordination and supervision of multiple project managers, design consultants, outside agencies, client management staff, construction managers, and contractors. Jason's experience and knowledge of the EBR Parish Government departments, personnel, and internal processes was key to establishing programmatic controls as well as assisting the overall Program Management Team in their successful function as representatives of the City/Parish and the DTD. He has been instrumental in development of the Program Design Guidelines, preparation of program-wide technical specifications, standards, contract development, and design consultant services management. Jason also leads two separate program committees; one focused on technical aspects and the other is dedicated to procurement needs of the overall Program.
02/19 - Ongoing	Update of East Baton Rouge Standard Specifications for Public Works Jason is leading the effort to provide support to the City-Parish with updating the Standard Specifications for Public Works Construction (Blue Book) and coordinating the issuance of a new Standard Specification Book. Jason was instrumental in updating the Sanitary Sewer technical specifications for use under the 12-year SSO Program and has historical knowledge of previous revisions to the general provisions and other technical specifications included in the City-Parish Standard Specification Book. In addition to technical specification updates, impacts of the new plan of government (re-organization of Public Works) need be addressed and incorporated.

Jason Crain resume continued

09/06 - Ongoing	Sanitary Sewer Overflow (SSO) Reduction Program, East Baton Rouge Parish, LA Quality & Technical Services Manager and Lead Design Manager. Waggoner is the lead partner with Jacobs (formerly CH2M HILL) as the Program Management firm for the City-Parish of East Baton Rouge. The Program Managers are responsible for developing, planning, administering (design and construction) and delivering a \$1.6 billion program consisting of 115 related individual projects to meet the EPA mandated consent decree to reduce SSO's by the year 2019. Jason serves as Lead Project Manager for Waggoner, managing Waggoner's role in the SSO Program and responsible for 15 engineering, construction, and administrative staff members. Along with management responsibilities, Jason currently serves as Deputy Program Manager for Project Delivery ensuring all program projects are progressed through design, bidding, and construction on time and within budget. This entails coordination and supervision of multiple project managers, design consultants, outside agencies, client management staff, construction managers, and contractors. Jason also manages contractor relations, contract change reviews, and construction claims negotiations. In the past, Jason also served as Quality & Technical Services Manager as well as Lead Design Manager for the entire SSO Program. Under these roles Jason develops design and quality related policies and procedures for the Program Team. In addition, Jason provides technical expertise program wide including plan review, specification writing, bid document review and preparation, and new product reviews. Prior to Jason's current role on the Program, he managed the \$300 million rehabilitation portion of the Program. This included planning projects, maintaining schedules and budgets, progress reporting to client, coordinating with engineering consultants and contractors, and general consultation to the client.
03/03 - 06/05	LA1 Improvements, Golden Meadow - Fourchon, Lafourche Parish, LA Jason was responsible for all horizontal and vertical geometric checking for this project. He was also responsible for highway graphical grades, intersection design, navigational lighting and pay item quantities.
2017	I-10 Widening, LA30 - LA22, Ascension Parish, LA (H.009276) Jason was responsible for the roadway geometrics and typical section for the replacement of the LA 941 bridge structure over the mainline interstate widening of a 5-mile segment of I-10. In addition, Jason provided QA/QC for mainline geometrics, typical sections, and geometrics for the mainline temporary detours at the LA 941 bridge replacement location.

16. STAFF EXPERIENCE:

Quality Control Reviews & Peer Reviews

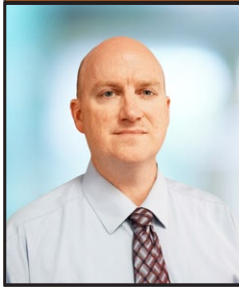
16. STAFF EXPERIENCE:

	Firm Employed By:  DRMP				
	Name	Jim Schlottman, PE		Years of Relevant Experience with this Employer	<1
	Title	Chief Roadway Engineer		Years of Relevant Experience with Other(s) Employers	29
	Degree(s)/Years/Specialization		BS /1996 / Civil Engineering		
	Active Registration Number / State / Expiration Date		PE #60252 / FL / 02/28/2027; PE #031520 / GA / 12/31/2026		
	Year Registered	2003	Discipline	Civil	
Contract Role(s)/Brief Description of Responsibilities			Quality Control & Peer Review		
Jim Schlottman, PE, serves as a Chief Roadway Engineer for DRMP's Transportation Market Sector. In his 29 years of experience, he has specialized in Florida Department of Transportation and Florida's Turnpike Enterprise projects. He has held roles as both a Project Manager and Design Engineer (EOR), overseeing and delivering a variety of transportation projects.					
Experience Dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).				
10/25 - Ongoing	I-4 at Sand Lake Road Interchange Design-Build, The Lane Construction Corporation for FDOT District Five, Orange County, Florida: Chief Roadway Engineer for the reconstruction of the existing I-4 at Sand Lake Road Interchange to a diverging diamond interchange. This new interchange provides a direct connection from the westbound I-4 general use lanes to Turkey Lake Road. The project also includes the design of one buffered express lane on westbound I-4 between Sand Lake Road and Central Florida Parkway, existing roadway improvements, three bridge replacements, three new ramp bridges, and one bridge widening. Our Team's innovative alternative technical concept includes shifting the entire I-4 typical section to the west, which improves the horizontal and vertical geometry of the mainline and ramps, constructs the bridges off-line, reduces the bridge deck area by over 18,000 SF, and eliminates all Category 2 Bridges, post-tensioned piers, and shoring towers. This allows the I-4 westbound to Turkey Lake Road to open 24 months earlier than the original project schedule. Additional services include signing and pavement markings, lighting and aesthetic lighting, geotechnical, signals, and intelligent transportation system (ITS) improvements.				
10/25 - Ongoing	SR 35 (US 301) from CR 470 to SR 44, FDOT District Five, Sumter County, Florida: Chief Roadway Engineer for the widening of SR 35 to a 4-lane urban facility with a 12-foot multi-use trail on both sides from west of CR 468 to Florida's Turnpike. The project also includes a roundabout at the intersection with Marsh Bend Trail. Services include roadway design, structures design, drainage design, maintenance of traffic, environmental/permitting, utility coordination, traffic, survey/mapping, and geotechnical.				
04/23 - 12/24	SR 5, FDOT District Five, Volusia County, Florida: Project Manager and Engineer of Record responsible for preparing design plans and documents for the milling and resurfacing of SR 5 from Reed Canal Road to Ridge Boulevard and at the Spruce Creek Bridge. The project includes miscellaneous sidewalk repairs, ADA upgrades, and restoring the profile at the approaches for the bridges. Mr. Schlottman is responsible for the roadway design and coordination for this project, including roadway, signalization, and signing and pavement markings.				
01/17 - 09/20	SR 91, Florida's Turnpike Enterprise, Palm Beach County, Florida: Project Engineer/Engineer of Record and Assistant Project Manager for preparing design plans and documents for the widening of SR 91 from Atlantic Avenue to Boynton Beach Boulevard. The design analysis includes the review of an 8- or 10-lane typical section and preparation of existing conditions report, as well as the preparation of milling and resurfacing (RRR) plans. Mr. Schlottman is responsible for the roadway design and coordination for this project, including roadway, lighting, signalization, and signing and pavement markings.				
04/13 - 12/15	SR 589 (Veterans Expressway), Florida's Turnpike Enterprise, Hillsborough County, Florida: Project Engineer/Engineer of Record for preparing design build plans and documents for the widening of SR 589 from Sugarwood Toll Plaza to Van Dyke Road to 4-lanes in each direction with the inclusion of express lanes. Mr. Schlottman was responsible for the roadway and temporary traffic control design and coordination for this project, including roadway, lighting, signalization, signing and pavement markings.				

Jim Schlottman, PE continued

01/03 - 05/06	I-10 Final Design - SR 63 (US 27/Monroe Street), FDOT District Three, Leon County, Florida: Project Engineer for preparing construction contract plans and documents for the widening of I-10 to 3-lanes in each direction. The limits of the project were I-10 from west of CR 361 (Old Bainbridge Road) to west of CR 155 (Meridian Road), approximately 2.5 miles. The goal of the project was to increase the capacity of the existing facilities by widening I-10 and US 27. Mr. Schlottman was responsible for the design and coordination for this project, including roadway, lighting, signalization, signing and pavement markings, and traffic control.
01/03 - 05/06	I-10 Final Design - SR 263 (Capital Circle NW), FDOT District Three, Leon County, Florida: Project Engineer/Engineer of Record for services including preparation of construction contract plans and documents for widening of I-10 to 3-lanes in each direction, from east of the rest area to west of CR 361 (Old Bainbridge Road), approximately 3.5 miles. The project involved improvements to the I-10/SR 263 interchange, widening of six existing bridges and construction of numerous noise walls. The goal of the project was to increase the capacity of existing facilities by widening I-10 and SR 263. As Project Engineer and Engineer of Record, Mr. Schlottman was responsible for the design and coordination for the project, including roadway, lighting, signalization, signing and pavement markings, and traffic control.
06/06 - 11/08	I-4/SR 434 Interchange, FDOT District Five, Seminole County, Florida: Project Engineer for preparation of 60% construction plans and documents for the widening of I-4 and improvements to the interchange. The design includes three general-use lanes, one auxiliary lane, and two special use lanes. The limits of the project are I-4, from 0.25 miles north of Central Parkway to 1.7 miles north of SR 434. Mr. Schlottman was responsible for the management of this project and roadway design.
07/09 - 05/11	SR 408 Widening - Oxalis Drive to Chickasaw Trail, Central Florida Expressway Authority, Orange County, Florida: Senior Engineer for this final design project that involved reconstruction of SR 408, from Oxalis Drive to Chickasaw Trail, for increased capacity, safety improvements, and side street operations. The project involved widening existing bridges, interchange modifications at Goldenrod Road, and a new interchange at Chickasaw Trail. The proximity of the interchanges made it necessary to design new braided ramps to improve traffic operations. Services provided also included assisting in final stormwater conveyance system, pond design, and permitting. Mr. Schlottman was responsible for review and QA/QC of the maintenance of traffic (MOT) design.
10/11 - 04/13	SR 228 (Normandy Boulevard) and I-295 Ramp Improvements, FDOT District Two, Duval County, Florida: Mr Schlottman served on this project for the preparation of final construction plans for widening the existing southbound exit ramp from 1- to 3-lanes and roadway improvements along SR 228. As Project Engineer and Engineer of Record, Mr. Schlottman was responsible for the roadway design and traffic control. This project included drainage and lighting improvements and three new signals.

16. STAFF EXPERIENCE:



Firm Employed By:  **Horrocks.**

Name	Doug Graham, PE	Years of Relevant Experience with this Employer	30
Title	Senior Director, Transportation	Years of Relevant Experience with Other(s) Employers	1
Degree(s)/Years/Specialization	BS / 1994 / Civil Engineering		
Active Registration Number/State/Expiration Date	PE#357733-2202 / UT / 3.31.2027		
Year Registered	1998	Discipline	Civil Engineering

Contract Role(s)/Brief Description of Responsibilities | Alternative Delivery Quality Control & Peer Reviews | Transportation

Doug is the Technical Services Business Line Leader for Horrocks with 31 years of experience, 30 of which have been with the firm, in the field of transportation and company leadership. As the Technical Services Business Line Leader, Doug manages Horrocks' GIS, survey and mapping, and utility mapping groups. His experience includes transportation planning, environmental documentation, and preconstruction design with a special emphasis on public and LADOT projects. Doug's primary responsibility is to oversee the various discipline leads associated with the technical services associated with supporting the delivery of nearly every project type the company is involved with. With a background in transportation improvement projects, he is very familiar with the requirements mandated by federal, state, and local government agencies for a successful project and understands the strict requirements necessary for the development of construction plans. Doug's specialty is in geometric design with experience that includes system-to-system interchanges, interchange design, urban arterials, urban collectors, rural collectors, trail systems, roundabouts, and intersection improvements.

Experience Dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
09/18 - 12/25	UDOT West Davis Highway Design-Build Program Management and Design Support, Davis County, UT Principal-in-Charge. Doug is serving as PIC for this new 16-mile, four-lane divided highway project. Horrocks is providing Program Management and Design support services to UDOT Region One as a subconsultant to HDR (Prime Consultant), the project is being completed via Design-Build delivery. Freeway-style interchanges with on- and off-ramps will be built at Legacy/I-15 (Farmington), 950 North (Farmington), 200 North (Kaysville), 2700 West (Layton), 2000 West (Syracuse), and Antelope Drive (Syracuse). West Davis also includes over 10 miles of new trail and new trail connections to create a consolidated system connecting Emigration Trail to Legacy Parkway Trail. Doug is responsible for the overall project management, supporting the Project Manager, directing staff and subconsultants, and coordinating with UDOT.
06/09 - 07/12	Mountain View Corridor Segment 1-3 CMGC, Salt Lake County, UT Principal-in-Charge. Doug served as the PIC for this new 20-mile segment (1-3) of this planned suburban freeway, transit, and trail system, located in western Salt Lake and northwestern Utah counties, serves 13 local municipalities. Horrocks was the design manager, ITS lead designer, and utilities lead designer for the entire 35-mile corridor. Doug was responsible for the overall project management, supporting the Project Manager, directing staff and subconsultants, and coordinating with UDOT.
06/21 - 04/24	I-15 Davis County; 600 N to Farmington, Davis County, UT Principal-in-Charge. Horrocks led the preparation of a NEPA EIS to improve mobility along I-15 between 600 N in Salt Lake City and US-89 in Farmington to repair aging infrastructure, redesign interchanges to accommodate traffic, and provide facilities for active transportation users. As PIC, Doug was responsible for the overall project management, supporting the Project Manager, directing staff and subconsultants, and coordinating with UDOT.

06/21 - 03/23	State of Utah, Utah State Correctional Facility Offsite Civil, Salt Lake City, UT Project Engineer. The project consists of over 1.3 million SF of buildings on a 170-acre site that required new roadways and utilities. Primary challenges faced by the project team included the site's soft soils, high ground water, and high corrosion potential. Horrocks designed and oversaw the construction of approximately 7 miles of new paved roadway; culinary water system consisting of 7.5 miles of 24-inch welded steel pipe, a 1.5 MG tank, and water booster pump station; a sanitary sewer system (including two 5 MGD sewer pump stations, 7.5 miles of twin force main, and deep gravity collection system) as well as a new storm drainage system. As the project engineer, Doug worked closely with the design team to develop engineering plans, drawings, and specifications. He also conducted engineering calculations and analysis to ensure the design met the strict project requirements and federal regulatory standards.
01/12 - 04/14	I-80; Parley's Canyon Feasibility Study, Salt Lake County, UT Project Engineer. This study was conducted to determine the feasibility of constructing an auxiliary lane on I-80 in Parley's Canyon between the chain up area (MP 129.5), and the existing auxiliary lane at Lamb's Canyon (MP 136.0) on eastbound I-80 in Salt Lake County. This study determined existing operational characteristics of the roadway with emphasis on heavy vehicle use and expected benefits with an additional lane. A Geospatial Risk Register (GSRR) was developed to map project information and risk along the corridor and help the team assess practical roadway layout assessments, structure widening, hydraulics and water quality including nearby seeps and springs, rock fall protection measures, cut slope stability and other geotechnical issues, and environmental impacts. The Horrocks team developed benefit/cost ratios for various projects beginning points based on construction challenges and costs along with the overall feasibility study document. As the project engineer, Doug worked closely with the design team to develop engineering plans, drawings, and specifications.
08/13 - 06/15	Salt Lake City International Airport Terminal Redevelopment Program, Salt Lake City, UT Project Engineer. This project consists of construction of a new terminal and concourses, five-level parking garage, consolidated rental car facilities, and central utility plant. The project also includes a new reconfigured roadway network, expanded long-term parking, and a nearly 2,500 foot-long bridge structure supporting the elevated passenger drop-off zone. The new terminal is approximately 1.7 million sq. ft. arranged on three separate levels. These different levels will serve different functions in order to spread out responsibilities such as: commercial passenger drop-off and pick up, domestic and international baggage claims, ticketing, administrative offices, restaurants, shops, and pedestrian bridges for parking. Horrocks is part of the landside civil engineering team and is responsible for all water, sewer, and gas system designs, survey services, SUE services, roadway, drainage, pavement marking, and structure design. Horrocks also played a significant role in the development of schematic designs for all landside civil improvements. As the project engineer, Doug worked closely with the design team to develop engineering plans, drawings, and specifications. He also conducted engineering calculations and analysis to ensure the design met the strict project requirements and federal regulatory standards for aviation.
11/07 - 02/10	Access Utah County - Alternative Delivery, Utah County, UT Project Engineer. Access Utah County is the consolidation of management of six major highway projects into a single UDOT project management team. SR-92, SR-77, Pioneer Crossing, Vineyard Connector, Payson Bridge Deck Replacement, and Geneva Road widening. By managing all six projects with one team, UDOT was able to accelerate the construction bidding process, enabling each project to be built sooner and provide congestion relief to several communities within the Utah Valley. Horrocks performed the following for the project: preliminary design, hydraulics, structure layouts, ATMS, cost estimate and Right-of-Way in design-build format with HNTB as prime consultant. As the project engineer, Doug worked closely with the design team to develop engineering plans, drawings, and specifications. He also conducted engineering calculations and analysis to ensure the design met the strict project requirements and regulatory standards. Doug also ensured the quality of the design work and reviewed design documents for accuracy and compliance with project requirements.

16. STAFF EXPERIENCE:

**Environmental and
Permitting Services**

16. STAFF EXPERIENCE:

	Firm Employed By: 				
	Name		Eric Jefferson, PE, AICP, PTP	Years of Relevant Experience with this Employer	6
	Title		Discipline Manager / Planning & Development	Years of Relevant Experience with Other(s) Employers	25
	Degree(s) / Years / Specialization		MS / 2013 / Urban and Regional Planning BS / 1993 / Civil Engineering		
	Active Registration Number / State / Expiration Date		PE#45590 / LA / 09.30.2027		
	Year Registered	2000	Discipline	Civil Engineering	
Contract Role(s) / Brief Description of Responsibilities		Discipline Lead - Environmental and Permitting Meets MPR 4			
For this contract, Eric will oversee environmental assessments and permitting for transportation projects alongside subs, DMRP, and Horrocks. He will coordinate with regulatory agencies, conduct environmental studies, and ensure compliance with environmental laws. Additionally, he will develop permit applications, support NEPA compliance, and perform material sampling and testing. Eric has extensive experience in civil engineering and planning, managing public and private projects. His expertise includes feasibility analysis, design, planning studies, permitting, and construction administration. Certified by the Transportation Professional Certification Board and the American Institute of Certified Planners, Eric is recognized for his professional excellence.					
Experience Dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).				
04/19 - Ongoing	Old Highway 80 Bridge Replacement, Meridian, Lauderdale County, MS Senior Planner. Eric provided permitting services for a bridge replacement project in west Meridian along Old Highway 80. Permitting services included obtaining a 404 permit from US Army Corps of Engineers (USACE), coordinating an architectural and cultural resources assessment for the Mississippi Department of Archives and History (MDAH), and preparing a construction stormwater pollution prevention plan (SWPPP) to comply with Mississippi Department of Environmental Quality (MDEQ) permit regulations. Built in 1926, the existing US 80 Bridge over Okatibbee Creek in Lauderdale County needed to be replaced. The old bridge was taken down and replaced with a new bridge that met Mississippi Office of State Aid Road Construction bridge standards. The project included environmental studies and permitting, surveying, hydraulic and hydrological analysis, bridge and roadway design, geotechnical engineering, utility coordination, and construction phase support services. Additional Right-of-Way and construction easements were acquired. The bridge's age and historical importance qualified it for nomination to the National Register of Historic Places, so Waggoner collaborated with the Mississippi Department of Archives and History to install a historical marker near the new bridge.				
09/13 - Ongoing	East Mississippi Intermodal Railway, Southeast Region, MS Senior Planner. Eric provided planning services for the Rail Authority of East Mississippi (RAEM). After assisting the RAEM in preparing and submitting a successful application and award of Rebuilding American Infrastructure with Sustainability and Equity (RAISE) grant funds for planning, Eric will prepare a detailed National Environmental Policy Act (NEPA) evaluation of the proposed corridor. This new 56-mile rail line will connect with existing shortlines and provide continuous rail service between the Meridian Speedway and the Gulf of Mexico.				
02/18 - Ongoing	Water Treatment Plant and Water Supply Improvements, Gautier, MS Senior Planner. Eric provided permitting services for a project to construct a new water well, water main, and water treatment plant upgrades for the City of Gautier, MS. Permitting services included preparing an environmental assessment for USACE and submitting a wetlands permit to the Mississippi Department of Marine Resources.				
12/22 - Ongoing	Bear Creek Watershed Plan - Environmental Assessment, Madison County, MS Discipline Manager. Eric supported the public engagement team with preparation and review of public meeting materials for this project. This Mississippi Soil and Water Conservation Commission project is for flood damage reduction and water quality management. Recurrent flooding is occurring in urban areas and the plan focuses on reducing those flood hazards. A secondary purpose and benefit of the plan is to improve water quality.				

16. STAFF EXPERIENCE:

	Firm Employed By: 				
	Name	George McLatchey, PWS, CEP		Years of Relevant Experience with this Employer	29
	Title	Environmental Division Manager		Years of Relevant Experience with Other(s) Employers	2
	Degree(s)/Years/Specialization		BS /1991/Microbiology MS / 1995 / Soil and Water Science/Environmental Engineering Sciences		
	Active Registration Number / State / Expiration Date		PWS#1259 / FL / Pending Renewal; CEP10050430 / FL / Pending Renewal		
	Year Registered	2000 / 2010	Discipline	NEPA	
Contract Role(s)/Brief Description of Responsibilities			Environmental		
George McLatchey, PWS, CEP, serves as a Vice President and the Environmental Division Manager for DRMP's Transportation Market Sector. He has been involved with all phases of design, from principal field investigator and staff supervisor to project manager on several hundred projects. His responsibilities as Division Manager include business development, contract administration, project coordination, budgeting and scheduling. He has extensive experience in all environmental aspects of planning, design, and permitting for various public and private projects. His areas of specialization include federal, state, and local environmental permitting; National Environmental Policy Act (NEPA) compliance; environmental impact statements (EIS), mitigation design; wetland jurisdictional delineations and evaluations; listed species studies/relocation; wildlife surveys; ecological monitoring and site assessments; water quality studies; alternative corridors/alignment analysis; and public involvement.					
Experience Dates (mm/yy-mm/yy)		Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
01/23 - Ongoing		SR 35 (US 301) from CR 470 to SR 44, FDOT District Five, Sumter County, Florida: Environmental Manager responsible for staff conducting wetland flagging, species specific wildlife surveys and assessments, and permitting for the widening of SR 35 to a 4-lane urban facility with a 12-foot multi-use trail on both sides from CR 470E to Florida's Turnpike. The project maintains the existing bridge over Shady Brook and includes a new structure to carry the southbound lanes as well as a separate pedestrian bridge to accommodate the multi-use trail on the east side of the existing structure. The project also includes roundabouts at the intersections with CR 525E, CR 468 and Marsh Bend Trail. A diverging diamond interchange at the FTE interchange is being studied with the Interchange Modification Report developed with this contract. Services include roadway design, structures design, drainage design, maintenance of traffic, environmental/permitting, utility coordination, traffic, survey/mapping, geotechnical, and landscape architecture.			
09/21 - Ongoing		SR 85 Widening from SR 210 to PJ Adams Parkway, FDOT District Three, Okaloosa County, Florida: Environmental Manager responsible for the staff permitting and obtaining environmental clearances for the 4-lane to 6-lane widening of SR 85 from SR 210 (McWhorter Avenue) to PJ Adams Parkway. The project is 5.4 miles long and is one of three segments under design to widen the corridor to 6-lanes. The project includes two typical sections; the southern section is a high-speed rural facility that traverses Eglin Air Force Base, a Federal military reservation, and the northern section is an urban typical section with a 30-foot median, sidewalk and a shared-use path in a heavily developed urban environment. SR 85 is designated as a Strategic Intermodal System (SIS) facility, a Military Access Facility and is designated a Hurricane Evacuation Route. It is also locally designated as an Okaloosa-Walton County Highway of Commerce. Improving highway capacity and safety are primary project goals. The project includes two sets of twin bridges at SR 85 over Shoal River and Shoal River Relief. At SR 85 over Shoal River, the 8-span replacement bridges are comprised of Florida-I Beams founded on 18-inch square prestressed concrete piles. This project also includes surveying and Right-of-Way mapping, drainage design, environmental services, permitting, geotechnical investigation, signing and pavement markings, lighting, signalization upgrades and intelligent transportation system design.			

George McLatchey, PWS, CEP continued

10/18 - 06/23	SR 30A (US 98) Panama City Beach Parkway Widening, FDOT District Three, Bay County, Florida: Environmental Manager responsible for the staff permitting and obtaining environmental clearances for the widening of SR 30A (US 98) from 4-lanes to 6-lanes from Mandy Lane to East of Nautilus Street with three 11-foot travel lanes in each direction with a 22-foot median including 10-foot outside shoulders (7-foot paved buffered bike lanes) and 5-foot sidewalks on both sides. The design included signalization, ADA upgrades, drainage design, access management, traffic control plans, environmental permitting, miscellaneous highway structures, signing and pavement markings, surveying and mapping, lighting, intelligent transportation systems and public involvement. Project length is 2.46 miles.
07/18 - 12/21	5th Street over Yacht Club Cut Bridge Replacement, City of New Smyrna Beach, Volusia County, Florida: Environmental Manager responsible for staff conducting wetland delineation, seagrass and mangrove surveys, permitting, mitigation plan development and obtaining environmental clearances for this bridge replacement project. The facility is a 2-lane roadway providing access from the mainland to an island community and marina. The bridge typical section consists of two 9-foot lanes, with 2.5-foot shoulders and a 5-foot sidewalk with traffic railings. The project included two public meetings; one in person and one virtual. A Type I Categorical Exclusion was approved for the project. Mitigation planning included establishing an off-site preservation area and relocating oysters within the project footprint. US Coast Guard and National Marine Fisheries Services coordination and environmental permitting with the St. Johns River Water Management District (SJRWMD) and USACE was completed. This project included a PD&E study, public meeting coordination, Coast Guard coordination, mitigation and environmental permitting, geotechnical investigations, survey, Right-of-Way mapping, utility coordination, roadway, drainage, coastal hydraulics, structures, lighting and signing and pavement marking. This is a LAP project between the City of New Smyrna Beach and District Five. This project is currently in construction.
01/20 - Ongoing	Micco Road over Sans Sebastian Canal Bridge Replacement, Brevard County, Florida: Environmental Manager responsible for the staff permitting and obtaining environmental clearances for this project which involves the design of the replacement of an existing structural deficient bridge and the design a temporary diversion bridge. Included the design and plans preparation for the bridge which will span the canal with a single, 85-foot span composed of Florida-I 36 Beams founded on driven concrete piles. Existing traffic volumes on Micco Road and the length of an off-site detour warrant the use of an on-site diversion. Due to the limited Right-of-Way, a reversible single lane temporary bridge will be used to maintain traffic during construction of the new bridge.
01/22 - 06/23	Shore Drive Bridge Replacement, Pinellas County, Florida: Served as Environmental Manager for the bridge replacement and new sidewalk over Booker Creek. The new bridge replaces a structurally deficient and functionally obsolete arched bridge. Project includes wetland flagging, general wildlife assessments, and agency coordination with USACE, FDEP, SFWMD, and USCG.
01/17 - 09/18	CR 673 Shoulder Widening from I-75 to West of US 301, Sumter County, Florida: Environmental Manager and Environmental Technical Leader responsible for providing environmental services for the shoulder widening and resurfacing of CR 673 from I-75 to west of US 301 in Sumter County. He was responsible for conducting a jurisdictional wetland delineation, GIS data analysis, habitat evaluations, a general wildlife survey, species-specific Gopher Tortoise survey, and preparing the Permit Determination support documentation for submittal to the Southwest Florida Water Management District (SWFWMD).

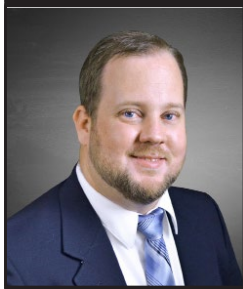
16. STAFF EXPERIENCE:

	Firm Employed By:  DRMP				
	Name	Brady Hart		Years of Relevant Experience with this Employer	5
	Title	Environmental Scientist		Years of Relevant Experience with Other(s) Employers	7
	Degree(s)/Years/Specialization		BS / 2013 / Geology		
	Active Registration Number / State / Expiration Date		N/A		
	Year Registered	N/A	Discipline	Environmental	
Contract Role(s)/Brief Description of Responsibilities			Environmental		
Brady Hart serves as an Environmental Scientist for DRMP's Transportation Market Sector. His responsibilities include wetland assessments, federal, state and local agency permitting, protected species surveys and relocations, GIS mapping and analyses, land use/cover classification and habitat evaluation, vegetation monitoring and mitigation planning. He also has experience in environmental compliance, erosion control and stormwater pollution prevention.					
Experience Dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).				
01/24 - Ongoing	Turnpike Widening - US 27 to I-75 (MP 289-308), Florida's Turnpike Enterprise, Lake and Sumter Counties, Florida: Environmental Scientist responsible for wetland assessment and delineation and general wildlife survey. Mr. Hart was also responsible for listed species surveys including the Southeastern American Kestrel and the sand skink for this \$10.4 million project aims to improve capacity along Florida's Turnpike Mainline from US 27 to I-75. DRMP handled preliminary design tasks such as a 15% line and grade study, phased implementation plan, Community Awareness Plan (CAP), alignment study, draft typical section, and pavement type selection. Additionally, DRMP is responsible for the final design for widening US 91 from four to eight lanes, covering the segments from US 27 to north of CR 33 and north of CR 33 to north of CR 470 (MP 289.3 - MP 297.3). The project also includes public involvement, a PD&E re-evaluation, design surveying and mapping, roadway and drainage design, structures, utility coordination, wetland delineation, environmental permitting and surveying, signing and pavement marking, lighting, and Intelligent Transportation Systems (ITS).				
06/23-05/26	Bridge Rehabilitation and Guardrail Continuing Services, Hillsborough County, Florida: Environmental Scientist responsible for wetland assessment and delineation, general wildlife surveys, and environmental permitting and coordination with Southwest Florida Water Management District, US Army Corps of Engineers, and Hillsborough County Environmental Protection Commission to support the structural bridge repair service for this three-year, task work order-based continuing contract. DRMP assists the County with managing their bridge inventory by providing a variety of consultant services. The county will assign bridge repair and rehabilitation projects as well as bridge replacement studies, bridge inspections and emergency response. DRMP will provide structural design and analysis as well as roadway, maintenance of traffic, design, hydraulic/scour analysis, and environmental/permitting services.				
07/24 - 07/25	East Brandon Bypass Study, Waggoner Engineering, Inc. for Rankin County Board of Supervisors, Rankin County, Mississippi: Environmental Scientist responsible for wetland assessment and environmental permitting coordination with the US Army Corps of Engineers. The East Brandon Bypass Project is a segment of a long-planned corridor around the City of Brandon to meet growing development and traffic needs. The proposed project will construct a new 4-lane roadway with a multi-use bike trail on the eastern side of Brandon, Mississippi in Rankin County to accommodate expected increases in traffic volumes. This alternative route will provide commuters with direct access to I-20 and Highway 80 east of Brandon.				

Brady Hart continued

12/22 - Ongoing	SR 35 (US 301) from CR 470 to SR 44, FDOT District Five, Sumter County, Florida: Environmental Scientist responsible for wetland flagging, general wildlife assessments, and permitting for the widening of SR 35 to a 4-lane urban facility with a 12-foot multi-use trail on both sides from CR 470E to Florida's Turnpike. The project maintains the existing bridge over Shady Brook and includes a new structure to carry the southbound lanes as well as a separate pedestrian bridge to accommodate the multi-use trail on the east side of the existing structure. The project also includes roundabouts at the intersections with CR 525E, CR 468 and Marsh Bend Trail. A diverging diamond interchange at the FTE interchange is being studied with the Interchange Modification Report developed with this contract. Services include roadway design, structures design, drainage design, maintenance of traffic, environmental/permitting, utility coordination, traffic, survey/mapping, geotechnical, and landscape architecture.
01/22 - 06/23	Shore Drive Bridge Replacement, Pinellas County, Florida: Environmental Scientist responsible for wetland flagging, general wildlife assessments, and permitting for the bridge replacement and one mile of new sidewalk in Ozone to support the replacement of Shore Drive over Booker Creek. The new bridge that replace the existing structurally deficient and functionally obsolete arched bridge. The project will provide 0.25 miles of sidewalks to connect portion of the Ozone community to the Fred Marquis Pinellas Trail. The replacement structure is anticipated to be a simple span Florida Slab Beam (FSB) bridge with deep foundations at the end bents. Project includes bridge hydraulics, sidewalk location study and agency permitting. The existing bridge will be removed and replaced in a highly constrained work zone within an established neighborhood.
12/21 - Ongoing	SR 589 (Suncoast Parkway 2) from CR 486 to CR 495 (MP 70.3 - 75.5), WBQ Design & Engineering, Inc. for Florida's Turnpike Enterprise, Citrus County, Florida: Environmental Scientist responsible for wetland flagging, species-specific surveys including the Southeastern American Kestrel and Gopher Tortoise, coordination with Florida Fish and Wildlife Conservation Commission and permitting with Southwest Florida Water Management District for this new 4-lane limited access all-electronic toll facility that included Bridge Development Reports, structural calculations and plans production for two bridge sites along SR 589. The two sites consist of parallel northbound and southbound mainline bridges over SR 44 and West Sanction Road. The bridges are comprised of Florida-I Beams founded on 24-inch diameter steel pipe piles. All sites include the design of MSE retaining walls. Plans included the design of roadway, drainage, signing and pavement markings, structures, lighting, signals, intelligent transportation systems, environmental permitting and surveying.
01/22 - Ongoing	SR 11 Resurfacing, from the Volusia County Line to SR 5 (US 1), TLP Engineering for FDOT District Five, Flagler County, Florida: Environmental Scientist responsible for wetland flagging, general wildlife assessments, and environmental permitting and coordination with St. Johns River Water Management District and the Florida Department of Environmental Protection to assist the design process to rehabilitate the asphalt pavement to extend the service life of the existing roadway, including necessary roadside improvements. A Digital Terrain Model for the entire project from mobile LiDAR was included. In addition, topo of obscure areas including the ditches, designate all existing underground utilities, locate, and record all drainage structures and box culvert data survey. The project also includes a Control Survey, Right-of-Way maps and 30% Right-of-Way maps from Forsyth Street to SR 5 (US 1) to establish the existing Right-of-Way in this street.
06/22- Ongoing	Erie Road Widening (East Segment) Martha Road to US 301, Manatee County, Florida: Environmental Scientist responsible for wetland flagging, general wildlife assessments, and environmental permitting and coordination with Southwest Florida Water Management District and the FDEP to support the widening of Erie Road from Martha Road to US 301. The project corridor is approximately 1.03 miles long. The northside of Erie Road is constrained by a Florida Power & Light railroad and Duke Power easement. All widening will be to the south and hold the north right-of-line. Widening will include a 22-foot median with median lighting, four 12-foot lanes, and a multi-use trail on the southside of Erie Road. The existing Erie Road is flush shoulder with drainage going to roadside ditches. The road will be converted from a rural section to an urban curb and gutter with closed drainage. Services provided for the Erie Road widening include pavement design, roadway design, traffic control, reconstruction, new stormwater drainage system, regional stormwater modeling, geotechnical services, signalization, signing/pavement markings, utility design/coordination, survey/subsurface utility engineering, Right-of-Way acquisition, environmental permitting, public outreach, FDOT coordination, railroad permitting, expert witness, and services supporting construction.

16. STAFF EXPERIENCE:



Firm Employed By:  DRMP					
Name	Logan Shappell			Years of Relevant Experience with this Employer	13
Title	Senior Ecologist			Years of Relevant Experience with Other(s) Employers	5
Degree(s)/Years/Specialization		BS / 2008 / Biology			
Active Registration Number / State / Expiration Date		N/A			
Year Registered	N/A	Discipline	Environmental		
Brief Description of Responsibilities		Environmental			

Logan Shappell serves as a Senior Ecologist for DRMP's Transportation Market Sector. His responsibilities include wetland assessments, federal, state and local permitting, protected species studies, GIS mapping and analyses, land use/cover classification and habitat evaluation and environmental impact mitigation. He has worked on projects involving environmental management for both public and private clients. Through education and professional experience, Mr. Shappell has specialized in animal behavior and wildlife ecology. He has conducted ecological site assessments, multiple types of wildlife surveys, GIS mapping and analysis, wetland and upland vegetative monitoring and environmental permitting documentation.

Experience Dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
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03/23 - Ongoing	SR 20 over Econfina Bridge Replacement Project, FDOT District Three, Bay County, Florida: Senior Ecologist responsible for obtaining permits and performing listed species evaluations to replace two structures, Bridge (#460037) on SR 20 over Econfina Creek and Bridge Culvert Relief Structure (#460034) in Bay County, Florida. The bridges are structurally deficient because they have been overtopped during heavy rainfall events. The reconstruction will involve raising the elevation of the roadway approaches to prevent future overtopping during similar events. The road includes two 12-foot travel lanes with 12-foot lawn shoulders, 5 feet of which is paved. The existing bridge has two 12-foot travel lanes, 10-foot shoulders, and a concrete handrail barrier. The new bridge will maintain the same capacity (2 lanes) with appropriate shoulders and a wildlife crossing will be accommodated at the Econfina Creek Bridge. The project will consider the use of Geosynthetic Reinforced Soil (GRS) Integrated Bridge System (IBS) technology for a single span superstructure. Services include signing and pavement design, drainage, survey and mapping, photogrammetry, geotechnical and 3D modeling. Obtaining the following permits U.S. Army Corps of Engineers Section 404 and Northwest Florida Water Management District Environmental Resource Permit. Also, performed wetland delineation, wetland impact assessment, and listed species evaluation.
08/15 - 08/17	SR 388 Widening, FDOT District Three, Bay County, Florida: Environmental Scientist responsible for obtaining a Northwest Florida Water Management District Environmental Resource Permit and U.S. Army Corps of Engineers Section 404. Also, performed wetland delineation, wetland impact assessment, and listed species evaluation for the widening of SR 388 in Bay County from a 2-lane minor arterial to a 4-lane suburban facility with design accommodations for the ultimate 6-lane urban section. The design included a raised median, bike lanes, sidewalks and a shared use path. Two new bridges were designed to span Burnt Mill Creek, 2,000 feet of existing causeway and provide wildlife accommodation. Shorter span lengths over the causeway are supported on pile bents which transition to longer spans on pier supports over the waterway to provide for improved navigational clearances. Project challenges included poor soils, a severe skew at the channel crossing and vessel impact analysis.
10/16 - 09/18	SR 10 (US 90A) Nine Mile Road from SR 10A (US 90) to CR 99 Beulah Road, FDOT District Three, Escambia County, Florida: Environmental Scientist responsible for obtaining a Florida Department of Environmental Protection Environmental Resource Permit and U.S. Army Corps of Engineers Section 404. Also, performed wetland delineation, wetland impact assessment, and listed species evaluation for the widening of SR 10 in Escambia County from 2-lanes undivided to 4-lanes divided from SR 10A (US 90) to CR 99 (Beulah Road), a distance of approximately two miles. The design includes the addition of pedestrian features, drainage improvements, surveying and mapping, maintenance of traffic, signing and pavement marking, utility coordination and public involvement.

05/20 - 05/24	Widen Turnpike Spur (SR 91), Golden Glades Toll Plaza to Turnpike Extension (SR 821) (MP 0.4-3.6), Florida's Turnpike Enterprise, Miami-Dade and Broward Counties, Florida: Senior Ecologist responsible for obtaining permits and performing listed species evaluations for the widening of Turnpike Spur (SR 91) from 6-lanes to 8-lanes including managed lanes and auxiliary lanes for approximately three miles. This project includes modifications to the NW 199th Street interchange at Dolphin Stadium, replacement of the Turnpike bridges over Miami Gardens Drive with aesthetic features, widening of the Spur bridges over the C-9 Canal, addition of noise walls along the corridor and replacement of the existing Golden Glades Mainline Plaza with all electronic tolling gantries. Two FGT gas lines run parallel to the southbound lanes and extensive coordination between FGT and FTE will be required to minimize impacts to the project. This project includes roadway, complex maintenance of traffic, drainage, environmental permitting, structures, signalization, lighting, signing and pavement markings, intelligent transportation systems, landscape opportunity plans, survey and utility coordination. The project also includes the purchase of Right-of-Way. Extensive coordination is being completed with local agencies and the public as the design progresses. This project is currently in design. Obtaining the following permits U.S. Army Corps of Engineers Section 404 and Section 408 Permits, South Florida Water Management District Individual Environmental Resource Permit and Right of Way Occupancy Permit, and a Miami-Dade County Department of Environmental Resources Management Class III Permit. Also, performed wetland delineation, wetland impact assessment, and listed species evaluation.
02/18 - 02/19	Supplemental Data Collection Sensor and CCTV Deployment (Contract #599-537), Central Florida Expressway Authority, Orange County, Florida: Environmental Scientist responsible for performing wetland delineation, wetland impact assessment, permit determination report, and listed species evaluation for this \$6.42 million system wide project. The overall project consisted of supplemental device deployments and upgrades spanning multiple CFX roadways including SR 408, SR 417, SR 414, SR 451, SR 429 and SR 528. Provided complete site design of new supplemental CCTV, TMS, & DCS devices deployed to enable comprehensive coverage throughout the entire roadway network where gaps existed. Front access DMS (2) on existing Toll Plaza canopies were included to replace existing static sign panels as a pilot deployment for the Tolling System. Additionally, a Goes-with Plan Set was developed that included 1-line DMS, Wireless Access Points and cantilever arm static CCTV all mounted to an existing Sign Structure. The project also provided enhancements to the Line Maintenance System with over 70-miles of tone wire replacements and new locator protection system. Backbone duct bank repair/replacements of over 6-miles were also included. Device site/ duct bank installations within both turnpike and GOAA jurisdictional limits required additional coordination, agreements and reviews/approvals to be obtained. FAA filing for poles were also performed as required.
10/16 - 09/18	SR 10 (US 90A) Nine Mile Road from SR 10A (US 90) to CR 99 Beulah Road, FDOT District Three, Escambia County, Florida: Environmental Scientist responsible for obtaining a Florida Department of Environmental Protection Environmental Resource Permit and U.S. Army Corps of Engineers Section 404. Also, performed wetland delineation, wetland impact assessment, and listed species evaluation for the widening of SR 10 in Escambia County from 2-lanes undivided to 4-lanes divided from SR 10A (US 90) to CR 99 (Beulah Road), a distance of approximately two miles. The design includes the addition of pedestrian features, drainage improvements, surveying and mapping, maintenance of traffic, signing and pavement marking, utility coordination and public involvement.
05/14 - 01/19	SR 397 (John Sims Parkway) over Toms Bayou Bridge Replacement, FDOT District Three, Okaloosa County, Florida: Environmental Scientist responsible for obtaining a Florida Department of Environmental Protection Environmental Resource Permit, U.S. Army Corps of Engineers Section 404, and U.S. Coast Guard Bridge Permit for the new northbound bridge which will replace the existing functionally obsolete northbound bridge (#570055). The bridge will span over Toms Bayou in eight 72-foot spans and two 54-foot spans for a total bridge length of 684 feet. The superstructure consists of four Florida-I 36 Beams spaced at 12'-3" with 5'-0¾" overhangs on 24" piles. The beams support an 8½" cast-in-place composite reinforced concrete deck. The total superstructure depth is 3'-11", including an 8½" deck, 2½" buildup and a 3'-0" beam. The deck will accommodate two 12-foot lanes, an eight-foot shoulder and a five-foot barrier protected sidewalk. This project includes the bolstering of existing revetments to resist wave impacts. The project also included field survey, geotechnical investigation and hydraulic analysis, roadway design, traffic control design, drainage design, environmental permitting, and public involvement.

16. STAFF EXPERIENCE:



Firm Employed By:  DRMP				
Name	Rachel Schmidt, PWS		Years of Relevant Experience with this Employer	7
Title	Florida Environmental Services Lead		Years of Relevant Experience with Other(s) Employers	5
Degree(s)/Years/Specialization		BS /2018 / Environmental Science		
Active Registration Number / State / Expiration Date		Professional Wetland Scientist, #3530 / FL / 06.13.2027		
Year Registered	2022	Discipline	NEPA	
Contract Role(s)/Brief Description of Responsibilities		Environmental		
Rachel Schmidt, PWS, serves as the Florida Environmental Services Lead for DRMP's Transportation Market Sector. She has extensive experience in Florida conducting wetland delineations, protected species surveys and relocations, state and local permitting and preparing documentation to assist various clients in the project planning, design, and permitting process. Mrs. Schmidt's combined knowledge of the regional ecosystems and the federal, state and local agency permitting brings a solution-oriented approach throughout the duration of a project. Her responsibilities also include wetland assessments, Geographic Information Systems (GIS) mapping and analyses, habitat evaluation, vegetation monitoring, and mitigation planning.				
Experience Dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
08/23 - Ongoing	Safety Harbor Marina Basin - Dock Replacement, City of Safety Harbor, Pinellas County, Florida: Environmental Project Manager responsible for wetland delineation and assessment, mangrove survey, general wildlife survey, preparation of state, federal, and local permits to support professional civil engineering services for the replacement of the existing marina located within Veterans Memorial Marina Park in the City of Safety Harbor. The existing marina, constructed around 2006, comprises timber walkways and docks with 44 slips. The environmental permitting aspect involves delineating wetlands and surface waters, assessing potential protected species, and preparing permit applications for regulatory agencies. This project aims to replace the marina while adhering to structural integrity and environmental compliance within the existing footprint.			
12/21 - Ongoing	SR 589 (Suncoast Parkway 2) from CR 486 to CR 495 (MP 70.3 - 75.5), WBQ Design & Engineering, Inc. for Florida's Turnpike Enterprise, Citrus County, Florida: Senior Environmental Scientist for the proposed Suncoast Parkway 2 Phase 3A from CR 486 to CR 495. Responsibilities included Environmental Resource Permitting, wetland delineation and assessments, and coordination with USFWS and FWC to develop and conduct species-specific surveys along the proposed alignment for the Florida Scrub-Jay, Southeastern American Kestrel, Florida Burrowing Owl, and Gopher Tortoise. Approved survey methodologies were utilized to identify, document, and report the locations of protected species along the corridor. Mrs. Schmidt consulted with USFWS and FWC personnel to develop habitat management plans aimed at minimizing and/or avoiding impacts to these listed species. An Incidental Take Permit was obtained for the Eastern Indigo Snake and the Southeastern American Kestrel, and a Conservation Permit was obtained from FWC for the relocation of impacted Gopher Tortoise burrows. Additionally, Mrs. Schmidt assessed and identified suitable locations for wildlife crossings along the corridor. She was also responsible for preparing the pond siting report and securing state and federal permits required for the construction of the proposed new 4-lane, limited-access, all-electronic toll roadway.			

07/20 - 05/21	SR 538 (Poinciana Parkway) Capacity Improvements from Ronald Reagan Parkway to Cypress Parkway Design-Build (Contract #538-165), The Lane Construction Corporation for Central Florida Expressway Authority, Osceola County, Florida: Environmental Scientist responsible for preparing and obtaining three phases of environmental resource permits from regulatory agencies for this \$92.6 million design-build project that widens SR 538 from a 2-lane undivided roadway to a 4-lane divided expressway for seven miles. This project includes the design of new bridges over the Reedy Creek Mitigation Bank, Marigold Avenue and KOA Street using Florida-I Beams and founded on prestressed concrete piles. The bridge over the Reedy Creek Mitigation Bank is over a mile long, designed to minimize environmental impacts and has minimum vertical clearance that allows the safe passage of wildlife below. The project also included over two miles of sound walls, drainage, environmental, permitting, signing and pavement markings, intelligent transportation systems, lighting, all-electronic tolling and utility upgrades for the Toho Water Authority. The design-build team's innovative designs included a revised pile configuration that saved \$5 million in project costs.
10/18 - 09/23	Wekiva Parkway Section 8 Interchange Design-Build, The Lane Construction Corporation for FDOT District Five, Seminole County, Florida: Environmental Scientist responsible for several environmental components of a large transportation construction project. Project duties include ongoing permitting and modifications through St. Johns River Water Management District and gopher tortoise relocations out of the proposed alignment and limits of construction through Florida Fish and Wildlife Conservation Commission for the design of a limited access toll road starting from Orange Boulevard to east of Rinehart Road. This \$263.3 million project includes a new system to system interchange that connects I-4, SR 417 and SR 429 as well as accommodates future express lanes. The project includes 20 new bridges and two bridge widenings. Bridge types include a combination of single and multi-span bridges, concrete Florida-I Beams and steel plate girders. The design-build team's approved interchange alternative technical concept improves operations and safety during and after construction, while reducing overall impacts and long-term maintenance costs. Other project design elements include complex maintenance of traffic, drainage design, permitting, signing and pavement marking, lighting, signalization, intelligent transportation systems, landscape, geotechnical, tolling, and surcharge areas to consolidate deep muck.
01/22 - 06/23	Shore Drive Bridge Replacement, Pinellas County Government, Pinellas County, Florida: Senior Environmental Scientist responsible for the environmental studies and state and federal permitting services for the replacement and reconstruction of Shore Drive Bridge. Environmental surveys and coordination included submerged aquatic vegetation surveys, State environmental resource permit, USACE nationwide permit, and Section 7 Consultation for Essential Fish Habitat impacts. The bridge provides access to local residents and business located along Shore Drive and Ozona Drive and was determined to be insufficient. Mrs. Schmidt is responsible for the environmental resource permitting, report preparation, coordination with state and federal agencies, GIS analysis, wetland delineation and threatened and endangered species surveys including mangrove and seagrass surveys for the bridge replacement and one mile of new sidewalk in Ozona to support the replacement of Shore Drive over Booker Creek. The new bridge that replace the existing structurally deficient and functionally obsolete arched bridge. The project will provide 0.25 miles of sidewalks to connect portion of the Ozona community to the Fred Marquis Pinellas Trail. Project includes bridge hydraulics, sidewalk location study and agency permitting. The existing bridge will be removed and replaced in a highly constrained work zone within an established neighborhood.
06/22 - Ongoing	Erie Road Widening (East Segment) Martha Road to US 301, Manatee County, Florida: Senior Environmental Scientist responsible for the environmental resource permitting, report preparation, coordination with several agencies including state, federal, and local agencies, GIS analysis, threatened and endangered species surveys to support the widening of Erie Road from Martha Road to US 301. The project corridor is approximately 1.03 miles long. The northside of Erie Road is constrained by a Florida Power & Light railroad and Duke Power easement. All widening will be to the south and hold the north right-of-line. Widening will include a 22-foot median with median lighting, four 12-foot lanes, and a multi-use trail on the southside of Erie Road. The existing Erie Road is flush shoulder with drainage going to roadside ditches. The road will be converted from a rural section to an urban curb and gutter with closed drainage. Services provided for the Erie Road widening include pavement design, roadway design, traffic control, reconstruction, new stormwater drainage system, regional stormwater modeling, geotechnical services, signalization, signing/pavement markings, utility design/coordination, survey/subsurface utility engineering, Right-of-Way acquisition, environmental permitting, public outreach, FDOT coordination, railroad permitting, expert witness, and services supporting construction.

16. STAFF EXPERIENCE:

	Firm Employed By: 				
	Name	Conroy Jacobs, AICP, PMP		Years of Relevant Experience with this Employer	<1
	Title	Principal Transportation Planner		Years of Relevant Experience with Other(s) Employers	15
	Degree(s)/Years/Specialization		BS /2012 / Urban and Regional Planning MA / 2018 / Public Administration		
	Active Registration Number / State / Expiration Date		AICP #31118; PMP #3555276 / PA / 07.01.2029		
	Year Registered	2018/2023	Discipline	NEPA	
Contract Role(s)/Brief Description of Responsibilities			Grant Writing		
Conroy Jacobs, AICP, PMP serves as a Principal Transportation Planner for DRMP's Transportation Market Sector. He has over 15 years of experience leading multimodal infrastructure projects throughout Florida. In 2020, he received the FDOT TransPlex Planning Professional of the Year Award and was recognized for his expertise in roadway safety, bicycle and pedestrian planning, corridor studies, context classification, and context-sensitive design. He has successfully managed 45 transportation projects through planning, PD&E, and design phases, and has secured over \$127 million in grant funding. His work includes complete streets, transit, Safe Routes to School, and trail projects. He has coordinated more than 65 comprehensive plan amendments and rezoning efforts, aligning local land use policies with multimodal transportation objectives. He has played a significant role in policy and systems planning efforts through his service on Technical Advisory Committees for MetroPlan Orlando and the Space Coast TPO, where he championed Vision Zero principles and contributed to the development of LRTPs, TIPs, and priority project lists. Mr. Jacobs also serves on the Board of Directors for the Florida Bicycle Association, reflecting his commitment to active transportation and safety. He brings deep knowledge of the FDOT planning and project development process, including LAP and GAP procedures, and is known for his efficient, problem-solving approach to complex transportation challenges. He combines technical expertise, stakeholder engagement, and a strategic planning mindset to deliver impactful, community-focused solutions.					
Experience Dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).				
03/19 - 05/22	Fortune-Simpson Intersection Safety Improvement (LAP) (FM 437474-1), Osceola County, Florida (Mar 2019 - May 2022): Design Project Manager for this crash reduction safety project that contained intersection improvements at Fortune Road and Simpson Road in Osceola County. The project included roadway widening to accommodate raised medians, additional turn lanes, and bike lanes while converting the rural typical into an urban typical. Mr. Jacobs was responsible for monitoring the project scope/schedule/budget, ensuring that the design plans adhere to ADA, FDM, and MUTCD criteria, roadway typical section, consistency with safety study, access management, multimodal features, Right-of-Way impact assessment, project webpage, invoicing, public involvement, coordination with FDOT District Five, and permitting agencies.				
01/16 - 07/16	Emerson Road Safety Audit, Brevard County, Florida: County Planner/RCA Team Member for this project covering the Emerson Drive/ Minton Road/Palm Bay Road study area that was identified as one of the high crash corridors in Brevard County. To suggest improvements along this high crash corridor, crash history was evaluated, and a Road Safety Audit (RSA) was conducted. Mr. Jacobs' main tasks involved participation in AM/PM peak hour field observations, identifying issues and potential improvements, evaluating signage and marking for consistency with MUTCD, signal timing analysis, analyzing crash data, and reviewing proposed roadway typical sections. Each suggestion identified in the study was classified as maintenance, near-term, and long-term, including signal head backplates, improved pedestrian crossing timing, and turn lane modifications to meet minimum deceleration standards and queue length.				

Conroy Jacobs, AICP, PMP continued

01/16 - 06/16	Malabar Road Safety Audit, Brevard County, Florida: County Planner/RCA Team Member for the area encompassing Malabar Road, from Jupiter Boulevard to Minton Road and from Emerson Drive to San Filippo Drive, that was identified as one of the high crash corridors in Brevard County. Mr. Jacobs participated in AM/PM peak hour field observations, identified issues and potential improvements, evaluated signage and marking for consistency with MUTCD, analyzed crash data, and reviewed proposed roadway typical sections. The recommendations included improved corridor lighting, signal retiming, resurfacing, enhanced roadway pavement marking and signage, controlled intersections, and better access management.
01/16 - 06/16	SR A1A Road Safety Audit, Brevard County, Florida: County Planner/RCA Team Member for SR A1A, from US 192 to Eau Gallie Boulevard in Brevard County, that was identified as one of the high crash corridors in Brevard County. To suggest improvements along this corridor, crash history was evaluated, and a Road Safety Audit (RSA) was conducted. Mr. Jacobs participated in AM/PM peak hour field observations, identified issues and potential improvements, evaluated signage and marking for consistency with MUTCD, analyzed crash data, and reviewed proposed roadway typical sections. The recommendations included improved corridor lighting, resurfacing, enhanced roadway pavement marking and signage, controlled intersections, and better access management.
03/19 - 05/22	CR 532 at I-4 (State), Osceola County, Florida: Design Project Manager for this safety and operational improvement project that was comprised of the design of a new modern diverging diamond interchange (DDI) at the intersection of CR 532 and I-4 in the ChampionsGate area. The main design features included capacity improvements to the entrance and exit ramps, bicycle lane, and sidewalk for pedestrian and cyclist connectivity and safety. Mr. Jacobs was responsible for monitoring the project scope/schedule/budget and invoicing, ensuring that the design plans adhered to FDM criteria, roadway typical section, coordination with FDOT District Five, planning consistency, and public involvement.
03/19 - 05/22	Simpson I (State), Osceola County, Florida: Design Project Manager for the Simpson 1 Road Widening project that includes the construction of 10-foot-wide sidewalks on both sides of the Simpson Road between Myers Road and Boggy Creek Road, a distance of approximately 1.2 miles, reduced median, 11-foot travel lanes, and 10-foot sidewalks. The project was designed to coordinate with other improvements to Simpson Road (known as Simpson Road Phases 2, 3, and 4) currently planned for south of Myers Road. Mr. Jacobs was responsible for monitoring the project scope/schedule/budget, ensuring that the design plans adhere to FDM criteria, invoicing, and coordination with FDOT District Five, and permitting agencies.
01/20 - 05/22	Buenaventura Boulevard Complete Streets Feasibility Study, Osceola County, Florida: Project Manager for the Buenaventura Boulevard Complete Streets Feasibility Study that evaluated the feasibility of incorporating Complete Streets improvements along Buenaventura Boulevard (BVL) from Simpson Road to Osceola Parkway, for a total distance of approximately 2.36 miles. These improvements may include a multi-modal trail, access management analysis, transit connectivity, and lane-width analysis. Mr. Jacobs led the effort to create a 4P infrastructure grant application and provided project oversight during the feasibility study. He developed the project scope, purpose, and need, ensured planning consistency, reviewed previous studies, performed land use analysis and context classification, assessed the impact on transit, conducted a safety/crash analysis, evaluated the need for improved multimodal connectivity, examined impact to transit, developed preliminary project schedule, and tabulated preliminary cost estimates for future phases.
11/19 - 06-21	Boggy Creek Road PD&E, Osceola County, Florida: Project Manager for this project that consists of an alternative evaluation of Boggy Creek Road (CR 530), from Simpson Road to Narcoossee Road, for a total project length of approximately 5.9 miles. The study scope involved the analysis of alternatives for the construction of a 4-lane divided urban roadway with multimodal accommodations and intelligent transportation systems (ITS) improvement. Mr. Jacobs monitored the project scope/schedule/budget, planning consistency, operational analysis, complete street design features, reviewed and approved the traffic methodology, PTAR, project webpage, conceptual design analysis, context classification, access management classification, crash analysis, functional classification, alternatives evaluation report, and public involvement plan.

16. STAFF EXPERIENCE:



Firm Employed By:  DRMP				
Name	Alia Awwad, PE		Years of Relevant Experience with this Employer	6
Title	Planning Group Leader		Years of Relevant Experience with Other(s) Employers	17
Degree(s)/Years/Specialization		BS /2003 / Civil Engineering MS / 2010/ City and Regional Planning		
Active Registration Number / State / Expiration Date		PE #76279/ FL / 02.28.2027		
Year Registered	2013	Discipline	NEPA	
Contract Role(s)/Brief Description of Responsibilities		Grant Writing		
Alia Awwad, PE, serves as a Planning Group Leader for DRMP's Transportation Market Sector. Her experience in both the public and private sectors allows her to understand the policy and planning nuances that local jurisdictions encounter and manage. Additionally, her background in roadway design, traffic analysis, and context-sensitive transportation planning projects enables her to lead, communicate, and implement innovative and practical solutions to transportation issues.				
Experience Dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
04/23 - 10/24	Tamarac Multimodal Transportation Connectivity Master Plan, City of Tamarac, Broward County, Florida: Principal-in-Charge for the development of the Multi-Modal Transportation Connectivity Master Plan for the City of Tamarac. This comprehensive plan evaluates the current state of biking, walking, transit, and road networks, aiming to identify effective strategies, network enhancements, and safety measures. The plan encompasses short, medium, and long-term recommendations for the policy and program, and a prioritized list of projects, which will guide the city's future infrastructure investments.			
6/23 - 10/24	Downtown Mobility Plan Update, City of West Palm Beach, Palm Beach County, Florida: Principal-in-Charge that oversaw the analysis and concept design of the Downtown Vision elements that focused on multimodal mobility. Additionally, Ms. Awwad led multiple efforts recommended by the plan, including reimagining Datura and Evernia Streets, managing the trolley study, and serving as Engineer of Record on the Tamarind Avenue streetscape improvement project. She is also currently managing the intermodal transit center redesign along Tamarind Avenue, a commuter-rail station with historical components that serves multiple transit modes.			
04/23 - 12/24	Alpharetta Local Roads Safety Action Plan, City of Alpharetta, Fulton County, Georgia: As Principal-in-Charge, Ms. Awwad led this Citywide Action Plan that included the development of strategic recommendations and implementation framework, including countermeasure and monitoring metrics. The Plan focused on identifying high-injury local roads in the City and developed a prioritized list of safety projects based on key criteria such as equity and access to transit. Upon completion of the Plan, the team helped the City submit a SMART grant application based on the types of strategies recommended in the Plan.			
06/19 - 08/19	Visalia Traffic Safety Action Plan, Visalia, California: Ms. Awwad managed the development of the City of Visalia's Traffic Safety Action Plan. Tasks included reviewing preliminary corridor recommendations, crash data, and system mobility and connectivity in Downtown and east Downtown areas; developing cost estimates for corridor improvements; creating a prioritization methodology for the area-wide plan; prioritizing improvements; and making policy and design guideline recommendations.			
01/17 - 05/18	FDOT District 4 Systems Planning Support, Fort Lauderdale, Florida: Ms. Awwad managed the Districtwide Systems Planning Support contract at FDOT District 4. Technical responsibilities included reviewing and making recommendations on FDOT ROW lease and acquisition permit requests, reviewing Interchange Modification Request (IMR) reports, reviewing Developments of Regional Impact (DRI) updates, and reviewing County plat review requests. Tasks involved reviewing As-built plans, FDOT GIS and plan records databases, County traffic thoroughway plans, and FDOT interchange modification analysis reports.			

Alia Awwad, PE continued

02/24 - 10/25	East Palmetto Park Road Corridor Improvements, City of Boca Raton, Palm Beach County, Florida: Principal-in-Charge responsible for leading a multidisciplinary team to enhance safety and multimodal infrastructure along East Palmetto Park Road as well as the surrounding street network. The multi-faceted effort aims to create a multimodal environment that supports all modes of transportation while preserving the unique character of Downtown. Ms. Awwad oversees the evaluation of current mobility conditions and the development of a comprehensive vision and implementation strategy. She also guides the project through an intensive community engagement process, leading to Council support to move forward with alternatives analysis in Downtown Boca Raton. Additionally, Ms. Awwad has been advising on planning and implementing safety treatments in Downtown, including the recent installation of the City's first protected intersection.
04/25 - Ongoing	St. Petersburg Neighborhood Greenways Multimodal Studies, City of St. Petersburg, Pinellas County, Florida: As Principal-in-Charge, Ms. Awwad oversaw the entire project where the City of St. Petersburg adopted its Complete Streets Implementation Plan in May 2019 with the goal of creating safer, more comfortable and convenient streets. To further the recommendations for multimodal improvements identified in the Plan, the team is working with the City to develop a process and a greenways design toolbox, and ultimately implement proposed neighborhood greenways along several north-south and east-west neighborhood streets in the City. The team is working to establish a practical decision-making process for implementing neighborhood greenways that includes neighborhood greenway crossings and neighborhood engagement process.
09/18 - 01/19	Vision Zero Action Plan, Palm Beach TPA, Florida: Ms. Awwad led the Vision Zero Action Plan for the Palm Beach TPA (MPO), a safety driven action plan that evaluated fatality and severe injury crashes across Palm Beach County and provided policy and countermeasures recommendations. Specific tasks included analyzing crash data, identifying high crash types and locations in the County, making policy recommendations, and developing targeted countermeasures for specific intersections and corridors. Role also involved presenting to technical committees and the TPA Board.
02/17 - 05/17	SR 80 Action Plan, Palm Beach County, Florida: Ms. Awwad served as reviewer of access management and alternatives recommendations for the proposed alternatives for SR 80 in Palm Beach County FL, from east of I-95 to Belle Glades. Review included ensuring proposed options met minimum FDOT access management standards, mid-block pedestrian crossings, and potential lane or turn lane removals. Access management data included information obtained from FDOT resources such as AADT and other RCI info.
06/24 - 04/26	1st Avenue, 12th Street, and 10th Street Streetscape Design, City of Naples, Collier County, Florida: Principal-in-Charge responsible for overseeing the design and planning of a comprehensive streetscape improvement initiative aligned with the Naples Design District Master Plan, Complete Streets Policy, Blue Zones Initiative, Tree Ordinance, and Redevelopment Plan. Ms. Awwad led efforts to reimagine key corridors, including 1st Avenue South, 12th Street South, and 10th Street North, by integrating stormwater facilities and landscaping, utilities, pedestrian and bicycle infrastructure, and parking that responds to evolving land uses and community needs.
05/19-09/19	Citywide Lighting Study, West Palm Beach, Florida: Ms. Awwad managed the City of West Palm Beach's citywide lighting study. Study tasks included evaluating existing lighting conditions, developing a prioritization methodology to prioritize lighting improvements across the City, and prioritization. Tasks also included reviewing peer City lighting standards and creating a draft lighting ordinance for the City. Additionally, role included reviewing, editing, and making recommendations to the lighting cost estimate methodology.
11/17-03/18	Regional Transportation Plan, South Florida, Florida: Ms. Awwad served as a technical and policy resource for the South Florida Regional Transportation Plan. Responsibilities included identifying the Plan's goals and objectives and regional transportation network; coordinating, attending, and presenting at technical advisory committees; and preparing technical portions of the Plan.

16. STAFF EXPERIENCE:



Firm Employed By:  **DRMP**

Name	Josh Norman	Years of Relevant Experience with this Employer	1
Title	Resiliency and Sustainability Practice Leader	Years of Relevant Experience with Other(s) Employers	26
Degree(s)/Years/Specialization	AS/2015/Fire Science BS/2015/Emergency Administration and Planning		
Active Registration Number/State/Expiration Date	N/A		
Year Registered	N/A	Discipline	Civil Engineering

Contract Role(s)/Brief Description of Responsibilities Grant Writing - Hurricane Recovery

For these contracts, Josh will focus on securing funding to support transportation infrastructure restoration and resilience efforts following hurricanes. He will identify grant opportunities, prepare grant applications, and advocate for funding to rebuild and strengthen transportation systems impacted by hurricanes. The majority of Josh's experience is within the field of emergency planning, response, mitigation, resilience, and disaster recovery. He has 17 years of experience in program and project management and inter-governmental relations. He has developed and administered more than \$1 billion in grants, including new construction, repair, and retrofit for various infrastructure and government facilities. He served as recovery manager for the City of New Orleans during Hurricane Katrina recovery and has since served as Principal, Program Manager, and Subject Matter Expert for clients across the country in approximately 25 named disasters.

Experience Dates (mm/yy-mm/yy) Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).

10/05 - 06/12	City of New Orleans, Public Assistance Program, LA Program Manager. Josh managed a team of 15 to 30 professionals whose duties included obtaining and managing recovery-related documentation for the creation of the Federal Emergency Management Agency grants, assisting in damage assessment, project scope development, cost estimating, and presenting recovery documentation in a format that was clear and precise for government officials. Mr. Norman was also responsible for financial and status reporting to executive staff and working with finance and budget departments in the preparation of ordinances and appropriations related to recovery funding. He also provided project management expertise for damage evaluation and assessment for 13,600 street segments in Orleans Parish on very short deadlines resulting in the timely and accurate submittal of documentation to the Federal Emergency Management Agency and more than \$250,000,000 in obligated funding to date.
05/07	City of New Orleans Hurricane Katrina, Fleet Continuity Plan, LA Program Manager. Josh developed plan for the New Orleans' Equipment Maintenance Department to track and protect the City's fleet during disaster. Created custom plan for various vehicle types and departments, identifying secure and protected locations and storage, and retrieval protocol following an emergency declaration.
06/07 - 06/12	City of New Orleans, Public Works Infrastructure Repair Program, LA Program Manager. Josh managed a team of seven professionals with surge of 20 to perform damage evaluation and assessment for 13,600 street segments in Orleans Parish on very short deadlines resulting in the timely and accurate submittal of documentation to the Federal Emergency Management Agency. Served as program manager to repair approved damages utilizing 5 CEI and five Contract firms. Oversaw daily quantity reporting and change order process for all 5 contracts. Validated all expenses and completed payment recommendations. Provided routine progress reports to Department and used construction efforts to negotiate with FEMA to increase funding from \$33 million to more than \$250 million in obligated grants.
09/15 - 09/18	Severe Storms and Flooding Infrastructure Repairs, Berkeley County, SC Josh managed grant processes for severe weather events, led debris management operations post-Hurricane Matthew, and successfully appealed for road repair funding. Implemented hazard mitigation efforts, including surface overlays (chip-seal), culvert upgrades, sidewall reinforcement, and the addition of Geotechnical fabric, for roads, landfills, parks, gardens, and city buildings.

Josh Norman resume continued

02/19 - 12/21	Hurricane Michael and Sally Recovery, Jackson County, FL Josh oversaw disaster recovery program management, which involved the organizational design of the Recovery Management Office, creation of an Administrative Plan, and a long-term recovery strategy. Conducted assessments for \$100 million in road damages, integrating Hazard Mitigation efforts to diminish future washouts through culvert upgrades, sidewall reinforcement, and the application of Geotechnical fabric.
03/12 - 05/12	Disaster Recovery Management, City of Springfield, MA Josh coordinated the city's recovery from four federal disaster declarations, increasing funding by \$32 million for two facilities through precise cost estimation and design-build strategies. Established a comprehensive recovery organization and communication plan encompassing document management, financial tracking, and project management, contributing to a \$3 billion recovery effort.
09/08 - 12/12	Hurricane Ike Recovery, State of Texas General Land Office, Austin, TX Principle in Charge and Technical Specialist. Josh assisted the Texas General Land Office with disaster recovery grant development, including hazard mitigation proposals for clay core dunes to protect coastal roads and infrastructure. Crafted a hazard mitigation proposal for a 7-mile coastal road using nature-based solutions, supported successful appeals for debris removal funding, and managed complex grant applications for marine and coastal restoration, totaling over \$100 million in development and administration
10/17 - 12/19	Hurricane Harvey Recovery, Lone Star College, Houston, TX Josh managed a team of federal policy professionals in damage assessment and grant development for Lone Star College following Hurricane Harvey, leveraging the new FEMA Delivery Model and Grants Portal. Formulated grants addressing emergency remediation and damages to lighting, fencing, and college facilities due to flooding.
08/17 - 12/20	Hurricane Irma Recovery, Palm Beach School District, FL Josh led a team in damage assessment and grant development after Hurricane Irma, utilizing the new FEMA Delivery Model and Grants Portal. Developed grants covering debris removal, emergency measures, and repairs to school district facilities, including lights, fences, playgrounds, roofs, and other structural damages.
05/13 - 10/13	Severe Storms and Flooding DR-4139/DR-4177 Infrastructure Damage, Florida Department of Emergency Management, Walton and Bay Counties, FL State Liaison. Josh served as State Liaison assisting Walton and Bay Counties with the development of Project Worksheets for infrastructure damages from severe flooding, coordinated FEMA inspections, and included hazard mitigation efforts for future flood resilience.

16. STAFF EXPERIENCE:



Firm Employed By:  **Horrocks.**

Name	Claire Woodman, AICP		Years of Relevant Experience with this Employer	4
Title	Transportation Planning Practice Lead		Years of Relevant Experience with Other(s) Employers	14
Degree(s)/Years/Specialization		MA / 2006 / Geosciences BS / 2004 / Geology		
Active Registration Number/State/Expiration Date		AICP#29611		
Year Registered	2017	Discipline	Planning & Transit	

Contract Role(s)/Brief Description of Responsibilities | Planning | Project Management | Program Management Support | Grant Writing | Transportation

Claire is a Senior Planner and Project Manager with significant experience holding key roles in complex transportation planning projects throughout the Intermountain West and the Pacific Northwest. She is particularly skilled in regional and multiagency planning efforts with high levels of stakeholder participation and PI. She has the proven ability to compile, interpret, and present material from technical disciplines into clear and concise documentation that enable agencies and stakeholders to make informed decisions. Through her extensive work on transit and roadway corridor studies, Claire has developed close relationships with MPOs, UDOT, transit authorities, and numerous cities.

Experience Dates (mm/yy-mm/yy) | Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).

4/22 - 11/25

Point of the Mountain Alternatives Analysis, Salt Lake County, UT

Project Manager. Claire served as Project Manager for conceptual engineering and environmental study for the 10-mile transit project that will connect the rapidly growing communities of southern Salt Lake County and northern Utah County. The study involved close collaboration and coordination with nearly a dozen affected agencies and stakeholders along the corridor. As Project Manager, Claire managed the day-to-day work of engineering, planning, and environmental teams and coordinated shared work with the consultant team, UTA staff across multiple departments, and UTA program management staff. Now at Horrocks, Claire continues to provide support in the development of a Revised Alternatives Analysis and facilitating stakeholder activities.

4/23 - 3/25

TechLink Transit Study, Salt Lake City, UT

Project Manager. Claire was the PM of the UTA TechLink Transit Study, in close partnership with UTA, Salt Lake City, the Salt Lake City Redevelopment Agency, and the University of Utah/Research Park to explore new transit connections in Salt Lake City. Claire aligned the TechLink Study to build on previously completed planning studies and developed and evaluated alternatives that bring more specificity to previous work, including refining proposed alignments, identifying station areas, and ensuring compatibility with the quickly redeveloping areas along each corridor. She managed a robust team of planning, environmental, public engagement, and design specialists to deliver this project on budget and ahead of schedule. As this project has advanced into environmental study and preliminary engineering (as UDOT's TRAX Orange Line Implementation/Red Line Realignment), Claire continues to serve as Project Manager, bringing strong momentum from the previous phase quickly into refining the Preferred Alternative and setting a defensible project footprint that can be advanced into NEPA.

12/23 - 2/26

Davis-SLC Community Connector CatEx, Davis and Salt Lake Counties, UT

Project Manager. Claire, as the Project Manager is currently leading efforts to prepare preliminary design and a documented categorical exclusion for this 26.5-mile corridor-based BRT system (currently in FTA project development phase) to provide regional transit connections and support growth between southern Davis County and northern Salt Lake County. The corridor includes 12 new station pairs (24 platforms) that will include amenities such as nighttime platform lighting, shelter, benches, and real time information signs and five pairs of new bus stops (plus one additional) that will include shelters, benches, and timetable cases. Additionally, end-of-line facilities at the Farmington FrontRunner Station and in Research Park will include electric charging at both locations along with layover space and operator facilities at the Research Park location. Through evaluation of existing conditions and coordination with UTA service planners, city agencies, and UDOT the team is identifying locations for stops and stations (and clearing the appropriate environmental footprint) that will safely serve transit users and be forward-compatible with planned roadway improvements and developments while minimizing impacts to existing infrastructure and environmental resources.

Claire Woodman continued

4/22 - 11/25	Third River Crossing PEL Study, Twin Falls, ID Project Manager. Claire led the planning team in this planning and feasibility study which developed and evaluated alternatives for improving local and regional mobility in the Magic Valley area. The project focused on reducing congestion along the US-93 corridor including a potential new crossing of the Snake River Canyon. The Snake River Canyon is approximately 500 feet deep by 1,500 feet wide and currently has limited crossing opportunities which resulted in critical safety and mobility challenges as the region has experienced tremendous growth. Claire's team developed a range of feasible river crossing locations and the local state roadway improvements. She managed the preparation of extensive traffic operations analysis as well as conceptual and structural design components for a new bridge. Claire also oversaw the development of a GIS tool that effectively displayed how the implementation of a new river crossing would improve travel times and access to key destinations.
3/23 - 5/25	SR-92 Western Extension Environmental, Lehi, UT Planning Lead. The Utah Department of Transportation (UDOT) intends to prepare an Environmental Assessment (EA) evaluating a westward extension of SR92 from where its jurisdiction currently ends (east of Thanksgiving Way) and becomes Club House Drive in Lehi, Utah. The project will determine where to extend and terminate the SR-92 extension through a data-driven environmental process. The EA will be prepared as outlined in UDOT's Environmental Manual of Instruction with work activities following UDOT's Environmental Document (EA/EIS) Process. The EA will identify the transportation needs and document a reasonable range of solutions to meet those needs. Potential impacts to the natural and built environment associated with the solutions will be analyzed as part of the environmental process.
10/22 - 1/24	Pioneer Crossing Arterial Study, American Fork, UT Project Manager. Horrocks led a planning study that explored concepts for expansion along Pioneer Crossing, a vital UDOT-owned east-west arterial that currently serves nearly 60,000 trips per day on a facility designed for approximately 35,000 trips per day. Our team of planners, designers, and traffic engineers developed and evaluated potential concepts that would accommodate existing demand as well as the rapid growth anticipated along the corridor. Critical to the success of this project was the engagement with the four cities that are bisected by this arterial, Utah County, interested legislators, and the local MPO. The Horrocks group planned for and facilitated a series of one-on-one discussions with these partners to reach an agreed upon path forward for expansion along this corridor. Following the completion of the planning study, Horrocks is now developing concepts (restriping within the existing ROW and reversible lanes) and cost estimates to implement short-term solutions while a longer-term solution undergoes environmental study in the coming years. Claire explored concepts for expansion along Pioneer Crossing, a vital UDOT-owned east-west arterial that currently serves nearly 60,000 trips per day on a facility designed for approximately 35,000 trips per day. Claire led a team of planners, designers, and traffic engineers to develop and evaluate potential concepts that would accommodate existing demand as well as the rapid growth anticipated along the corridor. Critical to the success of this project was the engagement with the four cities that are bisected by this arterial, Utah County, interested legislators, and the local MPO. Claire planned for and facilitated a series of one-on-one discussions with these partners to reach an agreed-upon path forward for expansion along this corridor. Following the completion of the planning study, Claire is now leading a design team to develop concepts and cost estimates to implement short-term solutions while a longer-term solution undergoes environmental study in the coming years.

16. STAFF EXPERIENCE:



Firm Employed By:  **Horrocks.**

Name	Ryan Pitts, PLA		Years of Relevant Experience with this Employer	20
Title	Environmental Project Manager		Years of Relevant Experience with Other(s) Employers	20
Degree(s)/Years/Specialization	MLA / 2006 / Landscape Architecture BS / 2003 / Horticulture			
Active Registration Number/State/Expiration Date	PLA#6504200-5301 / UT / 05.31.2028			
Year Registered	2010	Discipline	Landscape Architecture	

Contract Role(s)/Brief Description of Responsibilities Environmental & Permitting Services | Landscape Architecture | Project Management

Ryan is an Environmental Lead and Project Manager that is passionate about bringing people together to achieve a common goal, which he has been doing successfully for the past 20 years. He has served as an Environmental Lead on numerous projects, writing, performing analyses, and reviewing hundreds of environmental documents. Because of his thorough understanding of the National Environmental Policy Act (NEPA) and the Utah Department of Transportation's (UDOT) Environmental Process Manual of Instruction, he has played an integral role as the Environmental Lead on many projects. One such example is the Bangerter Highway Corridor Environmental Study, where he oversaw the production of seven environmental documents for UDOT and several more for the U.S. Bureau of Reclamation. When serving as PM, he is excellent at managing schedules and budgets and demonstrated these skills most notably on the 1600 North Orem State Environmental Study. Ryan is known to be an effective communicator with other disciplines, firms, and the public and proved this during the I-15; Springville to Spanish Fork Interchange Environmental Study where he adjusted public outreach and communication methods to keep the project moving forward during the COVID-19 pandemic. After working on over 100 projects, Ryan has a myriad of experience to draw from when serving clients.

Experience Dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
08/18 - 08/20	US-89; Farmington to I-84 Progressive Design-Build, Davis County, UT Environmental Project Manager. The US-89, Farmington to I-84 project has improved the safety and mobility on the corridor and in the project area by reconstructing and widening 12 miles of US-89 and converting it from a four-lane highway to a six-lane, grade-separated expressway. Many new local road connections had to be modified or added as a result. Horrocks completed the State Environmental Study (SES) in 2018 and the Phase 1 Design in 2019. Phase 2 design was completed in 2020, and construction was completed at the end of June 2023 via Progressive Design-Build (PDB). Relevant Elements (PDB): Development and geometric layout for new local frontage road connections (Hobbs Creek Dr in Layton), ROW, survey, SUE, utility relocations/third-party coordination, and drainage design (hydrologic analysis/models, SWPPP preparation, culvert analysis, detention/retention, etc.) Relevant Elements (SES): Development of P&N, alternatives analysis, identification of environmental resource impacts with detailed analyses for land use, ROW, relocations, pedestrian/bicyclist, air quality, noise, water resources, WoUS, cultural resources, historic architecture, RLS, ILS, DOEFOE, visual conditions, Section 6(f), and PI with extensive stakeholder outreach. Ryan was responsible for the Waters of the U.S./wetlands delineation, Section 404 compliance, coordinating with the Bureau of Reclamation, the owner, design, and property owners on noise walls, and coordinating the environmental staff.
09/21 - 04/23	1600 North Environmental Study, Orem, UT Environmental Project Manager. Horrocks and Avenue Consultants were selected to complete a State Environmental Study (SES) to evaluate the 1600 North corridor in Orem, Utah. The study will identify long-term mobility solutions on 1600 North between 1350 West and State Street and includes extensive public involvement. Ryan's project management tasks include managing the team by fostering collaboration and communication between disciplines to deliver an SES. His past and current SES work provides him with a unique perspective and understanding of the SES process, working with UDOT to determine the appropriate amount of documentation.

04/15 - 01/19	Purgatory Road Environmental Study, Washington County, UT Environmental Project Manager. Horrocks completed an Environmental Assessment (EA) to evaluate the construction of a new road on new alignment from SR-9 in the City of Hurricane to Southern Parkway in Washington City, Utah through an area known as Purgatory Flats. The scope of work included all aspects of preparing the EA, including traffic modeling, survey, preliminary design, and environmental studies. The EA was initiated by the cities, county, and the local MPO in cooperation with the Utah Department of Transportation to better understand the need for a roadway connection between these two state routes, evaluate potential impacts, and to define and preserve a roadway corridor prior to anticipated development pressure. Key elements included travel demand and traffic modeling, alternative development, roadway on new alignment, new bridge crossing the Virgin River, coordination for BLM lands designated for recreation, archaeology, and threatened and endangered species, including the preparation of a Biological Assessment. Ryan conducted field surveys for T&E plant species along the preferred alternative and discovered an undocumented dwarf bear-poppy population. He also prepared a BA and an Induced Growth Memo.
10/09 - 12/12	I-15; Mile Post 0-16 Environmental Assessment and Noise Study, Washington County, UT Environmental Project Manager. Horrocks performed preliminary design, completed a NEPA Environmental Assessment (EA), and documented all potential impacts for proposed I-15 corridor improvements between MP-0 and MP-16 in southwestern Utah. Key concerns along the corridor included traffic capacity, threatened and endangered species, archaeology, and noise. The project provided context-sensitive solutions that met project needs, enhanced the community, and were compatible with the natural and built environment. The analysis considered no-action along with all reasonable build alternatives to meet the transportation needs of the area. It also included an evaluation of mainline and interchange capacity and function, along with local circulation and cross streets over/under I-15. Horrocks provided an appropriate level of engineering design to complete the EA including widening I-15 and reconstructing four interchanges. A phasing plan was developed for the Preferred Alternative which has allowed advancement of individual projects, corresponding to transportation needs and availability of funding. Key elements included: scoping; travel demand and traffic modeling; alternative development with a phasing approach; archaeology; historic architecture; Section 4(f) analysis; threatened and endangered species surveys; preparation of a Biological Assessment; noise analysis; aquatic resource delineation; visual analyses; and public involvement. Ryan was responsible for managing the environmental components and ensuring the work meets the FHWA and NEPA PEL requirements.
10/09 - 12/12	Bangerter Highway Improvements Design-Build Program Management, Salt Lake County, UT Environmental Project Manager. The Bangerter Highway Interchange Improvements project showcases how our project partners benefit from our diverse planning, design team, and experience. This project in Salt Lake County increases the efficiency of access to Bangerter Highway by separating the grades at existing signaled intersections, while minimizing the impact of the new interchange footprints on the community by offering the best interchange design solution. As the Project Manager, Horrocks Engineers performed engineering surveys, extensive environmental documentation, major utilities realignments, developed design documents, engaged in extensive public outreach efforts, and worked with local property owners to acquire the necessary ROW to successfully develop these new interchanges. Horrocks also provided the design and landscape aesthetics for the improvements. As the project manager, Ryan performed extensive environmental documentation, developed design documents, and engaged in extensive public outreach efforts. Ryan also provided the design and landscape aesthetics for the improvements.
11/17 - 05/18	I-84, Caldwell to Karcher Environmental Study, Canyon County, ID Environmental Project Manager. Horrocks prepared traffic studies, corridor planning, and environmental clearance documents on I-84 between Caldwell and Nampa in Canyon County. The traffic studies and corridor plan recommended construction of additional general-purpose lanes, bridge reconstruction, and interchange improvements. Ryan performed preliminary field studies for biological resources. His efforts included studying the Waters of the U.S. (WoUS), wetlands, and Threatened and Endangered (T&E) species.

16. STAFF EXPERIENCE:

**Traffic Engineering &
Design Services**

16. STAFF EXPERIENCE:



Firm Employed By:  **VECTURA**
CONSULTING SERVICES, LLC

Name	Sheelagh Brin Ferlito, PE, PTOE		Years of Relevant Experience with this Employer	10
Title	Supervisor - Eng		Years of Relevant Experience with Other(s) Employers	27
Degree(s) / Years / Specialization		BS / 1988 / Civil Engineer		
Active Registration Number / State / Expiration Date		PE# 25383 / LA / 09-30-2027		
Year Registered	1993	Discipline	Civil Engineering	

Contract Role(s) / Brief Description of Responsibilities Discipline Lead / Traffic

Brin has extensive experience in traffic engineering and operations. As Traffic Discipline Lead for this IDIQ Design Services contract, she will oversee all traffic engineering components of task orders, including traffic analyses, operational evaluations, and safety reviews. Brin will direct the development of traffic control plans, ensuring compliance with LADOTD's Traffic Engineering Manual, Traffic Signal Manual, and Work Zone Safety training requirements. She will coordinate with the roadway and bridge design teams to integrate traffic management solutions that prioritize safety, efficiency, and constructability. In addition, she will provide leadership, QA/QC oversight, and technical guidance to the traffic team, supporting timely, high-quality, and compliant deliverables for District 04 projects.

Experience Dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
07/21 - Ongoing	EBR Computerized Traffic Signal, Phase VB, Baton Rouge, LA (H.007160) Task Leader. Brin is the task leader for Vectura for the Construction Engineering and Inspection of 24 traffic signals. Brin oversaw the review of signal mast arm shop drawings to assist the City-Parish of Baton Rouge in accepting the manufactured poles. Brin and Reece, with the LADOTD, City-Parish, and the Contractor conducted field visits to confirm pole foundation locations.			
07/19 - Ongoing	MOVEBR New Capacity Projects Program Management, Baton Rouge, LA Lead Traffic Engineer. Brin is the lead traffic engineer for entire the New Capacity Projects program management team. All traffic engineering scope of services, traffic/speed data collection, traffic design studies, safety studies, and traffic signal design plans are reviewed by Brin. She is in constant communication with the Traffic Engineering staff of LADOTD and EBR Traffic Engineering Department. She understands the current requirements for all aspects of traffic engineering projects.			
07/19 - Ongoing	LADOTD Belle Chasse Bridge & Tunnel Replacement PPP, Belle Chasse, LA (H.004791) Project Manager. Brin is the project manager for the temporary and permanent traffic signal plans for the intersections of LA 23 at Burmaster Street and at Engineers Road. She based her traffic signal plans on design year volumes that were developed using growth rates from the New Orleans Regional Planning Commission Travel Demand Model. This project is the first ever Public-Private-Partnership performed by LADOTD.			
09/20 - 12/21	LA 30 Roundabouts at Tanger I-10, Ascension Parish, LA (H.010960.5) Project Manager. Brin is the project manager for the design of temporary traffic signal plans that will be implemented during the roundabout construction along LA 30 in Gonzales, LA. The project involves replacing three existing signalized intersections with multi-lane roundabouts along LA 30 at I-10 Interchange ramps and at Tanger Boulevard. Vectura also developed signal timing plans for each phase of the construction to maintain progression along LA 30.			
07/18 - 04/19	LA 1 Pedestrian Crosswalk Study and Traffic/Pedestrian Signal Design, West Baton Rouge Parish, Addis, LA Brin developed a Pedestrian Crosswalk Study and Traffic Signal Construction Plans for the intersection of LA 1 at LA 990 in Addis, LA. The study was based on LADOTD Traffic Engineering Manual Crosswalk Guidelines followed by traffic signal design plans based on LADOTD requirements. The study included traffic and pedestrian traffic data collection, a speed study, crash analyses, intersection analyses, and progression analyses. The signal plans included pedestrian signal equipment, signal timing parameter calculations, crosswalk striping, signs, LADOTD pay items, estimated quantities, and construction cost. Brin also assisted with the Parish with the LADOTD Permit Request for Intersection Control Devices on a State ROW.			

Sheelagh Brin Ferlito resume continued

09/17 - 04/18	US 11 at US 190 Bus. (Fremaux Ave.) Pedestrian Crosswalk Study and Traffic/Pedestrian Signal Equipment Design, Slidell, LA Brin developed a formal traffic study for a proposed crosswalk with pedestrian traffic signal equipment and pedestrian clearance timings based on LADOTD requirements. Brin assisted with vehicle and pedestrian data collection, spot speed study, analyzed 3-year intersection crash data, and developed signal timing for pedestrians to cross the street. From the design study, a set of Traffic Signal Modification Plans were developed to implement the recommended alternative.
08/15 - 05/17	Enhancing Guidance for Evacuation Time Estimate Studies (Nuclear Regulatory Commission, Rockville, MD) Brin conducted an applied research study of US Nuclear Regulatory Commission guidance for developing evacuation time estimate studies and produced a technical basis for revision of NUREG/CR-7002 "Criteria for Development of Evacuation Time Estimate Studies" in support of the 2020 update of ETEs. Specifically, Brin was the lead VISSIM modeler for the "large" population models, which consisted of a 20-mile radius model. The VISSIM model input included traffic volumes distributed over eight hours, highway and intersection lane geometry using links and connectors, conflict areas, traffic signal, and stop control and speed. Brin also developed Dynamic Traffic Assignment code to simulate that fastest route out of the evacuated zone.
04/14 - 12/14	Signal Design for N. Sherwood Forest Drive Widening Project, Baton Rouge, LA (H.002301) Project Manager. As the project engineer, Brin was in responsible charge for data collection and design for three signalized intersections as part of a road widening project as per EBR DPW and LADOTD requirements. BRin developed the traffic signal equipment, signal timing and communication construction plans, special provision specifications, quantities, and cost estimate. She also performed tasks to develop the striping plans and sequence of construction plans which included temporary signal equipment placement due to lane shifts during construction.
07/12 - 03/14	EBR 03-TS-CI-0026 CE&I/OV for EBR Traffic Signal Systems Jefferson Highway Construction, Baton Rouge, LA Project Resident Engineer. Brin was the Project Resident Engineer on behalf of EBR for performing CE&I/OV services for the construction of 11 traffic signals. She maintained records of the contractor's daily operations, coordinated significant events that affected construction progress including utility issues, reviewed shop drawings, conducted monthly progress meetings, recorded daily installed quantities, and developed change orders and monthly contractor pay estimates. She also coordinated with LADOTD ITS division for fiber splicing into interstate I-12 fiber backbone and ATM/EOC building. She processed all monthly tasks in EBR formats as well as all items on the EBR project closeout checklist.
07/08 - 09/09	SPN 013-05-0043 CE&I/OV for EBR Traffic Signal Systems Phase IV Construction, Baton Rouge, LA Project Resident Engineer. Brin was the Project Resident Engineer for LADOTD and East Baton Rouge (EBR) to perform CE&I/OV services for the construction of 21 traffic signals. She developed the project Sample Plan, maintained records of the contractor's daily operations, coordinated significant events that affected construction progress including utility issues, reviewed shop drawings, conducted monthly progress meetings, recorded daily installed quantities, coordinated concrete sampling for LADOTD Materials Lab, and developed change orders and monthly contractor pay estimates. She also coordinated with LADOTD ITS division for fiber splicing into Airline Highway fiber backbone and ATM/EOC building. She processed all monthly tasks electronically in LADOTD Site Manager and in EBR required formats as well as all items on the LADOTD Project Closeout Checklist including the 2059 Report.
09/13 - 04/14	S.P. 700-99-0477 Jefferson Highway Signal Design, Baton Rouge, LA Brin designed traffic signal plans for 11 intersections along Jefferson Highway between College Drive and the I-12 On Ramp in Baton Rouge. Design included traffic data collection, traffic signal layout, fiber interconnect layout, fiber splicing diagrams, pedestrian crosswalk layout, and sign layout. Design also included traffic signal synchronization signal timing and pedestrian signal timing. She prepared estimated quantities, preliminary and final signal construction plans, and specifications.
03/05 - 11/05	Airline Highway Widening SPN 700-99-0332 (Baton Rouge, LA) Brin designed eight traffic signals as part of the Airline Highway widening project in Baton Rouge. Her design included traffic data collection, traffic signal equipment, signal synchronization timing, fiber communication, storage length calculations based on queues analyses, special provision specifications, quantities, and cost estimate. This project included fiber design to be the first Baton Rouge project to connect video surveillance images and traffic controller information to the ATM/EOC.

16. STAFF EXPERIENCE:



Firm Employed By: **VECTURA**
CONSULTING SERVICES, LLC

Name	Laurence Lucius Lambert II, PE, PTOE, PTP		Years of Relevant Experience with this Employer	10
Title	Supervisor - Eng		Years of Relevant Experience with Other(s) Employers	18
Degree(s) / Years / Specialization		BS / 1997 / Civil Engineer MS / 2006 / Civil Engineer (Transportation) MBA / 2010		
Active Registration Number / State / Expiration Date		PE# 29901 / LA / 3-31-2028		
Year Registered	2002	Discipline	Civil Engineering	

Contract Role(s) / Brief Description of Responsibilities Traffic

Laurence will conduct traffic studies, intersection performance analyses, and signal timing evaluations, supporting the development of efficient and safe traffic operations. Laurence will assist in preparing traffic control plans, and provide input on signage, pavement markings, and traffic management strategies to ensure compliance with LADOTD's Traffic Engineering Manual, Traffic Signal Manual, and Work Zone Safety requirements. Working in close collaboration with the Traffic Discipline Lead, he will help deliver data-driven, accurate, and compliant traffic engineering solutions that align with District 04 project goals.

Experience Dates (mm/yy-mm/yy) Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).

05/23 - 05/24 SECTION 17 PROJECT	US 190B/Fremaux Ave Sidewalk Feasibility Study, Slidell, LA Principal-in-Charge. Laurence was the principal in charge for a sidewalk feasibility study that included data collection, safety analysis, alternative analysis, and a final report.
12/23 - 08/24	South Range Road Operations Study Stage 0 Feasibility Study, Tangipahoa Parish, LA (H.972501.1) Principal-in-Charge. Laurence was the Principal-in-Charge for a Stage 0 for the Regional Planning Commission (RPC) to evaluate operating conditions of the S. Range Road corridor that included the intersection with Old Covington Highway. The corridor study included traffic data collection, pedestrian/bicycle counts, safety analysis, existing conditions analysis and alternative analysis. The results were summarized in a Stage 0 report.
07/23 - 11/23	CCC Decorative Lighting Level 4 TMP, New Orleans, LA (H.015504.5) Project Manager. Laurence was the project manager for a Level 4 Traffic Management Plan (TMP) for the Crescent City Connection (CCC). Laurence oversaw the lane closure analysis based on queuing. A safety analysis of the construction zone was also performed to identify any "hot spots". The results were summarized in a report that was reviewed by LADOTD.
04/23 - 10/23	I-12: US 61 Bridges Girder Repairs, Baton Rouge, LA (H.014591.5) Project Manager. Laurence was the project manager for a Level 2 TMP for the interchange of I-12 at US 61. Laurence performed QA/QC for a lane closure analysis based on queuing. A safety analysis of the construction zone was also performed to identify any "hot spots" where Laurence also performed QA/PC. The results were summarized in a report that was reviewed by DOTD.
04/18 - 12/21	LA 30 Roundabouts at Tanger & I-10 Gonzales, Ascension, LA (H.010960.5) QA/QC. Laurence provided a Quality Control review of the temporary construction and sequence of construction plans. Vectura also provided Quality Control review of signing and striping plans at 30% and 60% plan sets to ensure the roundabouts conformed to the Pavement Markings Details Sheet PM-09 and the MUTCD details on roundabouts.
01/23 - 02/24	Alexandria ITS Phase 2 (H.011504) Project Manager. Laurence was the project manager for a System Engineering Analysis Report, Engineering Opinion of Probably Construction Cost and Level 2 Transportation Management Plan for the Alexandria area.
10/21 - 03/22	I-10 ITS Scott to Lake Charles (H.013256.5) Lead Traffic Engineer. Laurence was the lead traffic engineer for a Level 2 Traffic Management Plan (TMP) for the construction of ITS equipment along I-10. The plan included a safety strategy that included a CAT Scan, LOS determination utilizing Citrix data, lane closure recommendations based on a queue analysis, and public information strategies.

Laurence Lambert resume continued

09/20 - 04/21	MOVEBR LA 67 (Plank Road) Enhancement Project, Baton Rouge, LA Project Manager. Laurence was the project manager to enhance transit, bicycle, and pedestrian mobility on Plank Road that required both City-Parish and LADOTD approval. Laurence evaluated the proposed pedestrian crossings on LA 67 using the LADOTD Traffic Engineering Manual pedestrian warrants found in Section 3B.2. Laurence also developed traffic operations evaluation of the traffic study which included traffic signal timing evaluations.
02/20 - 09/21	College Drive Corridor Enhancement from Perkins Road to I-10, Baton Rouge, LA Project Manager. Laurence was the project manager to develop Chapter 1 (Data Collection), Appendix A (Initial Data Collection), and Appendix B (Final Data Collection) for proposed improvements College Drive. Since the I-10 interchange was included in the study, approval from LADOTD was required. Vectura collected, turning movement counts, 85% speed data, travel time runs, queue measurements, field observations, verification of Traffic Signal Inventories, and bicycle/pedestrian/transit observations.
10/17-10/18	H.013025 LA 182 (University Avenue) Corridor Planning Study (Lafayette, LA) Lead Transportation Engineer. Laurence was the lead transportation engineer for a Corridor Planning Study for LA 182. The scope focused on improving safety and mobility for pedestrian, bicycle, and transit users. Laurence collected AM & PM peak vehicle turning movement counts as well as pedestrian and bicycle counts. Laurence coordinated with the Acadiana Planning Commission to develop growth rates and design year volumes. Laurence then performed Highway Capacity Manual analysis for five intersections along the intersection analyses for the signalized and roundabout controlled alternatives. Included in the study was a safety analyses of five intersections and the intermediate segments. Based on the results of the safety analysis, Laurence provided design criteria to the design team for improving safety of pedestrians, bicycles, and vehicles.
02/17-10/17	Judge Tanner Boulevard at N. Causeway Roundabout Study, St. Tammany Parish, LA Laurence performed a Stage 0 Feasibility Study for Roundabouts at four intersections in Mandeville area. The scope was developed based on EDSMs VI.1.1.1/VI.1.1.5 and LADOTD Traffic Engineering Manual (TEM) Section 20.2. Laurence, along with Brin, collected 7-day, 24-hour counts with Classification on mainlines, turning movement counts for morning and evening peak periods and speed data for mainlines. Once the traffic data was collected, Laurence performed traffic signal warrants analyses, performed a Sidra unsignalized, signalized, and roundabout analyses for years 2020 and 2040, AM and PM peak hours. Laurence developed a report that captured all the results.
01/17-07/17	Minnesota Park Road Improvements Traffic Study, Tangipahoa Parish, LA (H.004957.5) Task Leader. Laurence was the task leader for a traffic data collection and intersection analyses of a Stage 0 Feasibility study for Minnesota Park Road in Hammond, LA. Laurence utilized Sidra software to perform a roundabout alternative. The LADOTD procedures for utilizing Sidra were followed for this project.
06/12-12/12	Ramp Metering Study of I-10 Segment, East Baton Rouge and Ascension Parishes, Louisiana Project Manager. Laurence conducted a feasibility study to deploy ramp meters along the Interstate 10 (I-10) Corridor in Baton Rouge between Dalrymple Drive and LA 73. The study consisted of analyzing 17 on-ramps under differing design conditions, which include the following: 2010 Existing, 2012 Without Ramp Meter, 2012 Ramp Meter, and 2012 Ramp Meter with Recommendations. Laurence's role in this project as project manager was to oversee all QA/QC measures and interpret the results from the model. Laurence coordinated with the local agencies to obtain all current proposed projects in the area, which included LADOTD I-10 Widening Project Phases 1 and 2, the Green Light Plan (GLP) Essen Lane Widening Project, and the GLP Highland Road Widening Project.
03/10 - 11/11	S.P. No. 700-09-0171 Stage 0 and 1 Study I-49 Inner City Connector, Shreveport, LA This 3.5-mile route will connect existing I-49/I-20 interchange to the proposed I-49/I-220 interchange. After completing the Stage 0, Laurence was the project manager for the traffic analyses for the EA phase. The total traffic analyses effort included over 30 TransCAD Models, 20 interchanges and 70 intersections. Analyses included signalized and unsignalized intersections, basic freeway segments, freeway merge/diverge segments and freeway weaving segments at the studied intersections and interchanges. This project included performing both Interchange Modifications Reports (IMRs) and Interchange Justification Reports (IJRs).
04/04 - 12/04	I-10 Frontage Roads, Picardy Interchange, Bluebonnet Siegen Baton Rouge, LA Laurence provided the traffic analysis for a highly unique reconfiguration of interstate ramps that included frontage roads and an overpass of I-10 for new an interchange at Picardy. HCS and VISSIM were the primary analysis tools for the analysis. As part of the design team that developed the concept for this project, Laurence performed feasibility studies, developed design criteria, and coordinated with city, state and federal agencies for approvals as well as gathered public input. Laurence prepared traffic signal timings and designs that included cost estimates for the project.

16. STAFF EXPERIENCE:



Firm Employed By: **VECTURA**
CONSULTING SERVICES, LLC

Name	Reece Rodrigue, PE, PTOE, RSP1		Years of Relevant Experience with this Employer	4
Title	Engineer		Years of Relevant Experience with Other(s) Employers	7
Degree(s) / Years / Specialization		BS / 2013 / Civil Engineer		
Active Registration Number / State / Expiration Date		PE#42074 / LA / 03.31.2028		
Year Registered	2017	Discipline	Civil Engineering	

Contract Role(s) / Brief Description of Responsibilities Traffic

Reece will contribute to the design of traffic signals and control systems, ensuring all improvements meet LADOTD safety standards and traffic engineering requirements. He will also assist with plan reviews, QA/QC support, and construction-phase technical assistance, helping to deliver accurate, safe, and compliant traffic engineering solutions for District 04 projects.

Experience Dates (mm/yy-mm/yy) Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).

04/21 - Ongoing	MOVEBR Direct Select for Traffic Signal Design, Baton Rouge, LA Project Engineer. Reece is a project engineer for the design of traffic signal upgrades at ten intersections. This project included a traffic design report, preliminary and final plans for traffic signals that included traffic signal layout, fiber interconnect layout, fiber splicing diagrams, pedestrian crosswalk layout, and sign layout. The design also included traffic signal synchronization signal timing and pedestrian signal timing.
06/23 - Ongoing	Connected & Autonomous Vehicles (C/AV) Team and Working Group Support (H.012845.1) Reece is a member of the team to develop new policies and legislation related to C/AV.
06/23 - Ongoing	Monroe Phase 3 SEA (H.011507.1) Reece visited the project site to document the controller type and detection needs at each signalized intersection within the ROW.
07/21 - Ongoing	EBR Computerized Traffic Signal, Phase VB, Baton Rouge, LA (H.007160) Reece is part of the team responsible for Construction Engineering and Inspection. Reece has reviewed the signal mast arm shop drawings to assist the City-Parish of Baton Rouge in accepting the manufactured poles. Reece, with the LADOTD, City-Parish and the Contractor conducted field visits to confirm pole foundation locations.
01/23 - 02/24	Alexandria ITS Phase 2 (H.011504) Project Engineer. Reece was the project engineer for a site visit, System Engineering Analysis Report, Engineering Opinion of Probably Construction Cost, and Level 2 Transportation Management Plan.
04/20 - Ongoing	LADOTD Belle Chasse Bridge & Tunnel Replacement Public-Private Partnership Project, Belle Chasse, LA (H.004791) Reece is responsible for designing the temporary traffic signal for the intersection of LA 23 at Engineers Road for eight phases of construction per the anticipated sequence of construction. Temporary pole location and heights were recommended for placement for use for all construction phases. Vehicle clearance interval calculations were conducted for each phase in accordance with LADOTD and ITE guidance. Reece is responsible for producing the traffic impact analysis portion of the Traffic Management Plan that was also used in planning for the permanent and temporary signal timing plans. Reece was also responsible for producing the permanent signal plans for the LA 23 intersections at Engineers Road and at Burmaster Street. He evaluated stop bar locations, calculated vehicle and pedestrian clearance intervals, designed the railroad preemption sequence for both at-grade crossings, designed the wiring layout, and developed the interconnect plan. In addition, Reece was responsible for reviewing and approving shop drawings that were submitted by the contractor for use in construction.

Reece Rodrigue resume continued

01/21 - 05/21	I-10 ITS Scott to Lake Charles, Lafayette, Acadia, and Jefferson Davis Parishes, LA (H.013256) Reece was a member of the subconsultant team who was tasked with reviewing the ITS plans for 15 sites along I-10 where CCTV cameras were being installed. Reece was responsible for measuring anticipated construction quantities and producing a cost estimate for said quantities by using LADOTD's Bid Tabulation and Cost Estimating Tool.
09/20 - 12/21	Roundabout: US 171 at Boone St., Vernon Parish, LA (H.011909.5-4) Design Engineer. Reece is an essential design engineer, who is assisting in the production of the temporary signal design associated with the sequence of construction for the roundabout at US 171 at Boone Street. He conducted a thorough analysis of the US 171 corridor's existing allowable movements and identified the movements that would be restricted during the proposed construction process and how it would impact the typical traffic patterns.
09/20 - 12/21	LA 30 Roundabouts at Tanger I-10, Ascension Parish, LA (H.010960.5) Design Engineer. Reece is a design engineer, who is assisting in the production of the temporary signal design associated with the sequence of construction for the roundabouts on LA 30 in Gonzales, LA. This project consists of eight proposed construction phases. He assisted in calculating the temporary pole heights, determining the placement location for the temporary poles for each phase, measuring and calculating clearance intervals. Reece conducted a thorough analysis of the LA 30 corridor's existing allowable movements and identified the movements that would be restricted during the proposed construction process and how it would impact the typical traffic patterns.
11/21 - 12/21	Emergency Street Light and Traffic Sign Assessment, New Orleans, LA In response to the damage caused by Hurricane Ida, Reece inspected streetlights and street signs to report damage using the City's ArcGIS Online Organization and ArcGIS Field Maps app. The assessment area was approximately 2.5 miles by two miles area.
02/20 - 09/21	College Drive Corridor Enhancement from Perkins Road to I-10, Baton Rouge, LA Task Leader. Reece was the task leader for organizing and formatting the data collection of the College Drive project limits. Tasks included in data collection were 7-day tube counts, intersection turning movement counts, approach tube counts, unmet demand observations, driveway counts, travel time runs, pedestrian/bicycle counts, and weaving counts.
07/19 - 12/19	Burgess Avenue at Duff Road Traffic Signal Design, Walker, LA Reece was responsible for the design of a fully actuated signalized intersection in the city of Walker, LA. The traffic signal was determined to meet signal warrants upon completion of the Foxglove subdivision in Livingston Parish, LA. Plans included road widening, signal face indication schedule, signal sequence chart, sign schedule, detector schedule, controller timing, wiring diagram, and free operation phasing diagram. Reece met with city officials to discuss the feasibility of constructing a traffic signal as opposed to other alternative measures for improving the intersection.
02/16 - 12/16	US 190 Superstreet Task Order, St. Tammany Parish, LA (H.005733.5) Reece was a team member responsible for the layouts for the US 190 Superstreet signal designs. He created the preliminary plans using CADD software program MicroStation V8i. He aided in the technical design of each intersection. He conducted field inspections to verify locations of existing equipment as well as observing the area for feasible proposed utility locations. He attended project team meetings to discuss the project details as well as the plan-in-hand walk-through.
01/16 - 11/17	Ochsner Main Campus Traffic Signals, Jefferson Parish Design Engineer. Reece served as a design engineer for the traffic signal plans for the two Ochsner Main Campus access traffic signals with US 90 (Jefferson Highway). The goal of the design was to implement updated pedestrian timings as well as optimize progression through the US 90 corridor. He reviewed traffic data and assigned time of day coordination timing parameters for the two intersections so that they may be included in the coordinated system west of the intersections. He used TruTraffic to determine the appropriate offset parameters so that vehicles may progress efficiently through the coordinated system. Plans for the two intersections were drafted in the form of LADOTD's latest version of the TSI format. He was responsible for estimating construction quantities using LADOTD's 2016 Spec Item list.
10/16 - 05/17	Loyola Interchange Modification Request, Kenner, LA Reece was a team member in the production of an Interchange Modification Report (IMR) for the I-10 at Loyola Drive Interchange. He was an active member in collecting vehicle travel time data and processing the data. He also aided in collecting vehicle queues at the study intersections. He also assisted in the Vissim model calibration.

16. STAFF EXPERIENCE:



Firm Employed By:  **VECTURA**
CONSULTING SERVICES, LLC

Name	Kristen Farrington, PE, PTOE, RSP1	Years of Relevant Experience with this Employer	4
Title	Engineer	Years of Relevant Experience with Other(s) Employers	7
Degree(s) / Years / Specialization	BS / 2013 / Civil Engineer		
Active Registration Number / State / Expiration Date	PE#42074 / LA / 03.31.2027		
Year Registered	2018	Discipline	Civil Engineering

Contract Role(s) / Brief Description of Responsibilities Traffic

Kristen will lead efforts in the layout of traffic control devices, the design of temporary traffic routes, and the preparation of traffic management strategies that comply with LADOTD's Traffic Engineering Manual, Traffic Signal Manual, and Work Zone Safety requirements. Collaborating with the broader design team, Kristen will help ensure that all traffic-related designs are accurate, compliant, and safety-focused, supporting efficient project delivery across District 04.

Experience Dates (mm/yy-mm/yy) Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).

05/23 - 05/24

SECTION 17 PROJECT

US 190B/Fremaux Ave Sidewalk Feasibility Study, Slidell, LA

Project Manager. As a subconsultant to Richard C. Lambert Consultants, LLC, Kristen was the project manager for a sidewalk feasibility study that included data collection, safety analysis, alternative analysis, and final report.

12/23 - Ongoing

South Range Road Stage 0, Tangipahoa Parish, LA (H.972501.1)

Project Manager. Kristen was the project manager for a Stage 0 project to improve operations on South Range Road. The project included data collection, existing conditions analysis, safety analysis, and alternatives development.

07/23 - 11/23

CCC Decorative Lighting Level 4 TMP, New Orleans, LA (H.015504.5)

Project Traffic Lead. Kristen was the project traffic lead for a Level 4 Traffic Management Plan (TMP) for the Crescent City Connection (CCC). Kristen calculated the lane closure analysis based on queuing. A safety analysis of the construction zone was also performed to identify any "hot spots". The results were summarized in a report that was reviewed and approved by LADOTD.

04/22 - 11/23

Capital Area Pathways Project, Baton Rouge, LA (H.013267)

Lead Designer. Kristen is the lead designer for four pedestrian hybrid beacons (PHB's) with two crossings located on state routes. The locations were approved in a previous study and are now under design for construction. Kristen is working closely with the City and LADOTD on the construction plan development as PHB's are a new traffic control device for LADOTD. Prior to the design of the PHB's, Kristen prepared a traffic study evaluating all six uncontrolled crosswalks along the path, which included data collection and determining the appropriate treatment for each crossing location based on FHWA, LADOTD and MUTCD guidance.

09/17 - 09/18

LA 73 Corridor Study Stage 0 (LA 74 to LA 621), Ascension Parish, LA (H.011160)

Designer. Kristen was the designer responsible for concept development, report writing, and impact analysis for a Stage 0 study. The purpose of the study was to evaluate conceptual alternatives to improve capacity and operations along the LA 73 corridor and its connecting transportation network. The scope included the evaluation of three interchange configurations for the interchange of I-10 at LA 73 in conjunction with two corridor alternatives for LA 73, resulting in six different alternatives for which line and grade, impacts, and high-level cost estimates were prepared.

04/18 - 04/19

I-49 at US 190 and LA 31 Interchange Improvements Stage 0, St. Landry Parish, LA (H.011243.1)

Project Manager. Kristen was the project engineer responsible for crash and safety analysis, report writing, planning, and designing for this Stage 0 Study to evaluate alternatives to improve traffic operations and safety at the I-49 interchanges with US 190 and LA 31. Crash and safety analysis was performed using the LADOTD CAT Scan tool and IHSDM, and line and grade was prepared to LADOTD Design Standards for various corridors, including arterial collectors and freeway ramps.

Kristen Farrington resume continued

04/19 - 6/21	LA 117 Improvements Stage 0 (Vernon and Natchitoches Parishes, LA (H.013817.1)) Project Engineer. Kristen served as project engineer responsible for a Stage 0 study for 18 miles of two-lane highway. The study evaluated the impacts of correcting deficient vertical and horizontal geometry along the corridor, widening for the addition of shoulders, and adding passing lanes and turn lanes at strategic locations along the corridor. Kristen was responsible for performing the safety analysis including crash rate number method, over-representation, CAT Scan quality assurance, HSM existing safety analysis, and No-Build Analysis. Kristen designed high-level concept exhibits, evaluated environmental impacts, and prepared high level cost estimates and comparison matrices to determine which preliminary alternatives best meet the purpose and need of the project.
03/19 - 11/19	LA 429 Connector Stage 0, Ascension Parish, LA (H.012311) Task Leader. Kristen was the task leader for the preparation of a Stage 0 study to evaluate alignments for a limited-access corridor (LA 429) near I-10, between LA 30, LA 73, and US 61. Two alternatives for the widening and reconstruction of LA 429 were evaluated. The scope consisted of stakeholder and public meetings, site visits and data collection, phasing of alternative development for the corridor, scope and budget checklists, and an opinion of probable cost to prepare the Stage 0 Report. Kristen served as the civil engineer responsible for designing high level concept exhibits and comparison matrix to determine the best preliminary alternatives moving forward to meet the purpose and need of the project. Compiled meeting agenda materials and minutes, coordinated with interchange study consultants for a cohesive project, and wrote report.
11/18 - 3/21	LA 3040 Feasibility/Safety Study Stage 0, Houma, LA (H.013322) Project Engineer. Kristen served as project engineer for a study to identify safety and 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. Kristen was responsible for compiling a data collection plan for submittal to LADOTD, including count locations, determined peak periods, and peak hours. Kristen performed peak period observations in the field and geometric field checks, as well as unmet demand observations and calculations. Kristen prepared TMC figures, as well as performed existing analysis in Vistro. Compiled all data collected into Appendices A and B per the LADOTD Traffic Process and Report and wrote Chapter 1 of report. Kristen represented the project at stakeholder meetings to discuss project status.
04/18 - 04/19	I-49 at US 190 and LA 31 Interchange Improvements Stage 0, St. Landry Parish, LA (H.011243.1) Project Engineer. Kristen was the project engineer responsible for crash and safety analysis, report writing, planning, and designing for this Stage 0 Study to evaluate alternatives to improve traffic operations and safety at the I-49 interchanges with US 190 and LA 31. Crash and safety analysis was performed using the LADOTD CAT Scan tool and IHSDM, and line and grade was prepared to LADOTD Design Standards for various corridors, including arterial collectors and freeway ramps. Close coordination with traffic engineer ensured maximum improvement of safety and operations given limited ROW and utility conflicts along the corridors.
09/17 - 09/18	LA 73 Corridor Study Stage 0 LA 74 to LA 621, Ascension Parish, LA (H.011160) Designer. Kristen was the designer responsible for concept development, report writing, and impact analysis for a Stage 0 study. The purpose of the study was to evaluate conceptual alternatives to improve capacity and operations along the LA 73 corridor and its connecting transportation network. The scope included the evaluation of three interchange configurations for the interchange of I-10 at LA 73 in conjunction with two corridor alternatives for LA 73, resulting in six different alternatives for which line and grade, impacts, and high-level cost estimates were prepared.
11/16 - 07/17	Cane River Bridge Church Street Route LA 1-X Environmental Assessment (H.001271) Project Engineer. Kristen was the project engineer responsible for assisting with the site visits, data organization, analysis of permanent alternatives and traffic control alternatives, and traffic report to aid in the delivery of an environmental assessment for the Cane River Bridge Replacement

16. STAFF EXPERIENCE:



Firm Employed By:  DRMP				
Name	Brittany Groome, PE, PTOE, RSP1		Years of Relevant Experience with this Employer	2
Title	Traffic Design Group Leader		Years of Relevant Experience with Other(s) Employers	11
Degree(s)/Years/Specialization		BS/2013/Civil Engineering		
Active Registration Number / State / Expiration Date		PE #052936 / NC / 12.31.2026 PE #ELS.39496 E / SC / 06.30.2026		
Year Registered	2017	Discipline	Civil	
Contract Role(s)/Brief Description of Responsibilities		Traffic		
Brittany Groome, PE, PTOE, RSP1, serves as Traffic Design Group Leader for DRMP's Transportation Market Sector. In her role, she is responsible for overseeing a diverse array of transportation projects. Her extensive experience encompasses working closely with state and municipal governments to deliver projects that meet and exceed expectations. She specializes in signal, signing and pavement marking, work zone traffic control, lighting design, as well as safety projects and initiatives. Ms. Groome prioritizes frequent communication between the team and the client to ensure project schedules and budgets are properly maintained.				
Experience Dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
04/24 - 02/25	SC 291 (North Pleasantburg Drive) Near Tulip Street Right Turn Lane Improvements, BPD Greenville, LLC, Greenville County, South Carolina: Project Manager and Engineer of Record responsible for work zone traffic control plan for this private development for the development of work zone traffic control plans for the construction of a new right turn lane serving the new driveway.			
08/23 - 05/25	Midtown Junction (Community Life Church Site), Chaucer Creek Capital LLC, New Hanover County, North Carolina: Traffic Design Project Manager and Engineer of Record responsible for the oversight of the signal modification design for the Midtown Junction project that involves roadway improvements associated with a private development at the intersection of Independence Boulevard and Carolina Beach Road in Wilmington, North Carolina. Roadway widening, turn lanes, driveways, and bicycle/pedestrian facilities were included as part of the project.			
01/20 - 01/26	U-5823 Woodcroft Parkway Extension, City of Durham, Durham County, North Carolina: Traffic Design Project Manager and Engineer of Record responsible for the oversight of the signal modification and signal communications designs for this project that extends Woodcroft Parkway west from its current terminus at Hope Valley Road (NC 751) to a new intersection with Garrett Road, in front of Charles E. Jordan High School. The project will reduce traffic congestion at the intersection of Garrett Road and Hope Valley Road, and provide a safer multi-modal connection between Charles E. Jordan High School and surrounding neighborhoods. Project includes one new signal, one signal upgrade, numerous temporary signals, and signal communications.			
02/22 - 04/25	2022 City of Durham Signal Design, City of Durham, Durham County, North Carolina: Traffic Design QA/QC responsible for providing QA/QC of the signal designs for traffic signal improvements and software upgrades on an as-needed basis upon receipt of request and assignment from the City Traffic Engineer. These services include revising existing signal design plans and electrical details for 13 locations, and incorporating vehicle/pedestrian signals, emergency vehicle preemption, transit priority, and railroad preemption phasing. DRMP developed new design plans for two Pedestrian Hybrid Beacons (PHBs), two flashers, and two traffic signals. In addition, the DRMP team completed Highway-Railroad Interconnection and Preemption Inspections at six locations. All signal plans and Highway-Railroad Interconnection and Preemption Inspection submittals are approved by the City of Durham Department of Transportation and NCDOT, when applicable.			

Brittany Groome, PE, PTOE, RSP1 continued

02/22 - 04/25	2022 City of Durham Signal Design, City of Durham, Durham County, North Carolina: Traffic Design QA/QC responsible for providing QA/QC of the signal designs for traffic signal improvements and software upgrades on an as-needed basis upon receipt of request and assignment from the City Traffic Engineer. These services include revising existing signal design plans and electrical details for 13 locations, and incorporating vehicle/pedestrian signals, emergency vehicle preemption, transit priority, and railroad preemption phasing. DRMP developed new design plans for two Pedestrian Hybrid Beacons (PHBs), two flashers, and two traffic signals. In addition, the DRMP team completed Highway-Railroad Interconnection and Preemption Inspections at six locations. All signal plans and Highway-Railroad Interconnection and Preemption Inspection submittals are approved by the City of Durham Department of Transportation and NCDOT, when applicable.
10/22 - Ongoing	Blanton Road Extension, City of Fayetteville, Cumberland County, North Carolina: Traffic Design Project Manager and Engineer of Record responsible for the signal design and work zone traffic control plans for this project where DRMP is providing planning and design services to the City of Fayetteville for the new-location extension of Blanton Road. This project includes environmental documentation, roadway, hydraulic, and culvert design, as well as utility coordination.
07/24 - 10/25	Gorman Street/Jackson Street and Glenwood Avenue/ West Lane Street Intersection Improvements, City of Raleigh, Wake County, North Carolina: Project Manager and Engineer of Record responsible for the signal and signal communications design, oversight of the project, maintaining the project budget and schedule, and client coordination for this intersection improvement project for the City of Raleigh. This project signalized two previously unsignalized intersections, improving safety for both drivers and pedestrians. Services provided include survey, SUE QL-A and B, traffic signal design, and signal communications design.
09/22 - 08/25	South New Hope Road and Poole Road Widening, Greenberg Farrow Architecture Incorporated, Wake County, North Carolina: Traffic Design Project Manager and Engineer of Record responsible for the signal design for the addition of two right-turn lanes and a median divided left-turn lane at the Poole Road and South New Hope Road intersection in Raleigh, North Carolina. This project was designed for the future development in the northwest quadrant of the intersection and involved roadway and drainage design, traffic control, signing and pavement markings, and signal design.
07/24 - 07/25	U-3422A Camden Road, HDR Engineering for NCDOT, Cumberland County, North Carolina: Traffic Design QA/QC responsible for providing QA/QC of the signal and signal communications designs for this project where DRMP is providing traffic signal and signal communication design services for this 1.6-mile project along Camden Road. To maintain existing signal communications, signals along Rockfish Road are also being upgraded. Signal upgrades for Maxtime software will be provided for four final signal designs, with one additional signal design that includes two temporary signals during construction. Both temporary and final signal communication plans are being provided, and the final plans will incorporate all five signals with wireless connections. The project will install fiber optic cable along Camden Road to the east for future connection to upcoming project U-3422B and to the west for future connection to Fayetteville Bypass that is currently in construction.
02/18 - 07/19	NCDOT STIP Project R-5600, NC 107 in Silva, HDR Engineering, Inc. for NCDOT, Jackson County, North Carolina: Traffic Design QA/QC responsible for providing QA/QC of the signal and signal communications designs for the preparation of an air quality report and traffic signal and communications plans for the proposed widening of NC 107 from NC 116 to US 23 Business in Jackson County. The project consists of the NC 107 improvements from NC 116 to US 23 Business in Sylva, North Carolina.
02/25 - 04/25	R-4463A NC 43 Connector, HDR Engineering, Inc. for NCDOT, Craven County, North Carolina: Traffic Design Project Manager and Engineer of Record responsible for the signal and signal communications design, oversight of the project, maintaining the project budget and schedule, and client coordination for this 2.3-mile project for both the widening of existing roadway and new roadway alignment. As a subconsultant to HDR, DRMP was responsible for the traffic signal design and signal communications design which included three final signal designs, four temporary signal designs, underground and overhead fiber communications, and microwave multizone detection.

16. STAFF EXPERIENCE:

	Firm Employed By: 				
	Name	Fernando Nisiama Zaki, PE		Years of Relevant Experience with this Employer	6
	Title	Traffic ITS Engineer		Years of Relevant Experience with Other(s) Employers	1
	Degree(s)/Years/Specialization		BS / 2016 / Civil Engineering MA / 2020 / Civil Engineering		
	Active Registration Number / State / Expiration Date		PE #99038 /FL / 02.28.2027		
	Year Registered	2024	Discipline	Civil	
Contract Role(s)/Brief Description of Responsibilities			Traffic		
Fernando Nisiama Zaki, PE, serves as a Traffic ITS Engineer for DRMP's Transportation Market Sector. In this role, he is responsible for Intelligent Transportation Systems and fiber optic network design. He also works on the design of lighting, signing and pavement marking projects.					
Experience Dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).				
04/23 - Ongoing	SR 534/SR 417 Systems and Service Interchange, Central Florida Expressway Authority, Orange County, Florida: ITS Engineer for this project that includes three main components: a new systems interchange that connects SR 534, a new limited access expressway, to SR 417; a new multi-level service interchange connecting Medical City Drive to SR 417; and a new limited access expressway from SR 417 to Laureate Boulevard. This project includes the design of over 15 miles of new roadway construction, three miles of resurfacing, and 20 ramps; five new pond sites and pond modifications to the existing system; as well as 14 bridges, including curved steel box girders, straddle bents, Florida-U beams, and four widenings, including one over a railroad. The new SR 534/SR 417 systems interchange is located between the closely spaced existing Boggy Creek Road/Jeff Fuqua Boulevard (South Access Road)/SR 417 systems interchange and Lake Nona Boulevard/SR 417 service interchange. The entire design accommodates for CFX's future ultimate typical section. The project requires extensive agency coordination with Orange County, City of Orlando, Tavistock Development Company, GOAA, FDEP, USACE, Water Management Districts, and numerous Utility Agency Owners. The project also includes aesthetics, temporary traffic control plans, intelligent transportation systems, lighting, signals, signing and pavement markings, nine all-electronic tolling sites, accommodations for flex lanes, geotechnical services, survey, and utility coordination.				
08/20 - Ongoing	SR 408/Tampa Avenue Interchange (Contract #408-315), TLP Engineering for Central Florida Expressway Authority, Orange County, Florida: Traffic Engineer responsible for intelligent transportation systems design for the SR 408/Tampa Avenue interchange modification and widening of eastbound SR 408 from John Young Parkway to Orange Blossom Trail to 4-lanes. The intelligent transportation system (ITS) design and plans consisted of a new gigabit fiber network with supporting ITS devices.				
11/20 - 09/23	SR 516 (Lake Orange Expressway) from Orange/Lake County Line to SR 429 (Segment 3) (Contract #516-238), Central Florida Expressway Authority, Orange County, Florida: Traffic Engineer responsible for intelligent transportation systems design for this new systems interchange connecting SR 429 to SR 516, a new 4-lane limited access toll facility that extends to US 27. This project also includes two miles of roadway improvements along SR 429, which includes widening, adding ramps and milling and resurfacing of the remaining existing roadway, a new dual teardrop roundabout at the interchange with Valencia Parkway, permitting with FDEP and SFWMD, coordination with Orange County, Lake County and local landowners, drainage, intelligent transportation systems, lighting, signing and pavement markings, tolling, aesthetics, and geotechnical services.				

Fernando Nisiama Zaki, PE continued

08/17- 02/24	SR 408 Widening from SR 417 to Alafaya Trail (Contract 408-128), Central Florida Expressway Authority, Orange County, Florida: Traffic Engineer responsible for the intelligent transportation systems design for the \$78 million widening of a limited access toll facility from 4-lanes to 6-lanes from SR 417 to Alafaya Trail. SR 408 over the Little Econlockhatchee River includes widening both to the inside as well as closing a ramp gore for safety improvements. Other project design elements include complex maintenance of traffic, drainage design, permitting, signing and pavement marking, lighting, signalization, intelligent transportation systems, utility coordination, and geotechnical.
07/20 - 05/21	SR 538 (Poinciana Parkway) Capacity Improvements from Ronald Reagan Parkway to Cypress Parkway Design-Build (Contract #538-165), The Lane Construction Corporation for Central Florida Expressway Authority, Osceola County, Florida: ITS Traffic Engineer responsible for the intelligent systems engineering design for this \$94.4 million design-build project to widen SR 538 from a 2-lane undivided roadway to a 4-lane divided expressway for seven miles. This project includes the design of new bridges over the Reedy Creek Mitigation Bank, Marigold Avenue and KOA Street using Florida-I Beams and founded on prestressed concrete piles. The bridge over the Reedy Creek Mitigation Bank is over a mile long, designed to minimize environmental impacts and has minimum vertical clearance that allows the safe passage of wildlife below. The project also included over two miles of sound walls, drainage, environmental, permitting, signing and pavement markings, intelligent transportation systems, lighting, all-electronic tolling and utility upgrades for the Toho Water Authority. The design-build team's innovative designs included a revised pile configuration that saved \$5 million in project costs.
03/20 - 03/22	SR 91 (Florida's Turnpike Mainline) Widening from Minneola Interchange to Obrien Road (MP 279.2-285.8), Stantec, Inc. for Florida's Turnpike Enterprise, Lake County, Florida: Traffic Engineer responsible for the fiber optic network designs, plans productions and field reviews for the widening of SR 91 from a 4-lane to 8-lane limited access facility. DRMP tasks included public meeting and local agency coordination, design of roadway, structural and Intelligent Transportation Systems (ITS) along with survey and Right-of-Way mapping. This is the first Florida's Turnpike Enterprise project to hold a Virtual Public Meeting which included a live presentation along with the development of a dedicated project website with exhibits for the project. Extensive coordination with local agencies included presentations to County Commissioners and City Councils along with the development of Interlocal Agreements. Roadway design was completed for three ramps at the US 27 South Interchange with the mainline. Structural design was completed for the Exit 285 ramp bridge over the mainline. The bridge crosses the Turnpike with two spans of Florida-I 45 beams founded on 24-inch pipe piles. Extensive use of temporary walls and phased bridge construction is used to facilitate traffic control. ITS design addressed all impacts to the existing ITS fiber and CCTV/MVDS/AVI/DMS devices within the project limits. Survey for off pavement areas and Right-of-Way mapping was completed for the entire project limits.
08/16 - 12/22	SR 105 (Heckscher Drive), FDOT District Two, Duval County, Florida: ITS Traffic Engineer responsible for the intelligent transportation systems design for a 1.2-mile ITS and signalization project from east of Aug Road to east of Legend Lane. ITS component consists of design and plan production for a new gigabit fiber network for communications to new CCTV, Bluetooth AVI and ADMS deployments as well as traffic signal cabinets. Also includes work within JaxPort's Dames Point and Blount Island Terminal Gates to provide communications and power for new video monitors displaying critical travel information as well as Bluetooth AVI devices to gather Origin/Destination and travel-time data for freight. Signalization component consists of Adaptive Signalization deployment at four intersections requiring traffic controller and vehicle detection upgrades as well as adaptive signalization hardware/software at the City of Jacksonville TMC.
04/18 - 01/24	SR 528/SR 436 Interchange Improvements and SR 528 Widening from SR 436 to Goldenrod Road (Contract #528-143), Central Florida Expressway Authority, Orange County, Florida: Traffic Engineering Intern responsible for electric network designs, plans production and field reviews for the reconstruction of the SR 528/SR 436 interchange and widening of SR 528 from 4-lanes to 6-lanes with an auxiliary lane eastbound to Goldenrod Road and westbound to Conway Road. This project includes construction of seven new bridges using a mix of steel box girders and concrete Florida U-Beams as well as the replacement of one box culvert. This project also involved extensive coordination with the Greater Orlando Aviation Authority and the Federal Aviation Administration as this interchange serves as the north entrance and exit to the Orlando International Airport. Other project design elements included complex maintenance of traffic, drainage design, permitting, signing and pavement marking, lighting, signalization, intelligent transportation systems, and geotechnical analysis. This project won the 2022 FTBA "Best in Construction - Expressway Authority Project" Award.

16. STAFF EXPERIENCE:

	Firm Employed By:  DRMP				
	Name	Grady Vaughan, PE, PTOE, PTP		Years of Relevant Experience with this Employer	3
	Title	Traffic Analysis Lead		Years of Relevant Experience with Other(s) Employers	9
	Degree(s)/Years/Specialization		BS / 2014 / Civil and Environmental Engineering		
	Active Registration Number / State / Expiration Date		PE #040206017 / VA / 05.31.2027 PE #051085 / NC / 12.31.2026 PE #38742 / SC / 06.30.2026		
	Year Registered	2019	Discipline	Civil	
Contract Role(s)/Brief Description of Responsibilities		Traffic			
Grady Vaughan, PE, PTOE, PTP, serves as a Traffic Analysis Lead for DRMP's Transportation Market Sector. The majority of Mr. Vaughan's experience includes the transportation engineering field and has been apart of multidisciplinary teams assisting private and public developers to address transportation issues/ concerns. Mr. Vaughan's experience includes traffic impacts studies, site planning and feasibility studies, crosswalk studies, signal warrant studies, speed studies, parking analyses, and master plan design. He also has experience working with a variety of mixed-use developments.					
Experience Dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).				
04/14 - 06/22	Dominion Square East and West, VDOT, Fairfax County Virginia: Senior Associate: The Dominion Square East and West properties are approved Transit-Oriented Developments (TOD) that will include a mix of approximately 4,250,000 square feet of office, residential, retail, and hotel uses immediately south of the Silver Line's Spring Hill Metrorail station. Mr. Vaughan was a key player in assessing the transportation impacts of this development, including impacts on pedestrian, vehicular, bicycle and transit systems. He conducted a comprehensive study of a number of on- and off-site intersections, including both existing and future grid streets. As part of a larger multidisciplinary team, Mr. Vaughan also collaborated on other aspects of the project including coordinating with adjacent properties to determine feasible improvements and grid connections based on project buildouts and securing several critical waivers and exceptions from the Virginia Department of Transportation.				
03/17 - 08/19	Dash In At Gateway Village, VDOT, Loudoun County, Virginia: Senior Associate: Completed a traffic impact study for the proposed 6,300 SF carry-out-only style restaurant and convenience store with a 17 vehicle pump gas station. Our team provided in-depth analysis of the site access including justification for the proposed site access to both DTCL and VDOT staff during review of the project.				
05/17 - 10/19	North and West Spring Hill Station, VDOT, Fairfax County, Virginia: Senior Associate: The North and West Spring Hill Station properties are approved Transit-Oriented Developments (TOD) that will include a mix of approximately eight new buildings, four new parks, and a sports deck for entertainment atop a building. Mr. Vaughan was a key player in assessing the transportation impacts of the proposed 2.75M SF of development, including impacts on pedestrian, vehicular, bicycle and transit systems. As part of a larger multidisciplinary team, Mr. Vaughan also collaborated on other aspects of the project including coordinating with adjacent properties to determine feasible improvements and grid connections based on project buildouts and securing several critical waivers and exceptions from the Virginia Department of Transportation.				

Grady Vaughan, PE, PTOE, PTP continued

05/16 - 11/18	The Arden Roundabout Justification, VDOT, Fairfax County, Virginia: Senior Associate: Mr. Vaughan led a team to analyze and justify four proposed roundabouts for the Arden development located on the north side of Route 7, east of Towlston Road. The roundabout would serve a 102 single family home neighborhood. In addition, a Crosswalk Study was completed for the installation of high visibility crosswalks on each leg of the proposed roundabouts. The study was approved in two phases by VDOT in November 2018.
06/17 - 04/19	Art Place at Fort Totten, DDOT, Washington, DC: Senior Associate: Provided an updated analysis for a First Stage amendment and Second Stage PUD application for Lot B of the site. Lot B was amended to be redeveloped with a mixed-use program including multi-family residential units (market rate dwelling units and artist housing units with workspace), family entertainment uses, and retail uses (including a ground level grocery store). The Project represents a significant investment in cultural, artistic and educational programming in an area of the city that is relatively underserved by such programming and resources. W+A completed a Comprehensive Transportation Review (CTR) in accordance District Department of Transportation (DDOT) requirements for the PUD application. W+A completed a capacity analysis of the surrounding street network in addition to providing transportation planning services for the future grid of street serving the site. The report included an assessment of the availability and quality of the surrounding multimodal facilities, a loading management plan (LMP), a transportation management plan (TMP), swept-area diagrams for the loading facilities. Further, W+A analyzed the motorcoach and parking demand of the unique mix of uses and proposed functional solutions to the curbside management and underground parking facilities proposed with the site. The Zoning Commission approved the project in April 2019.
01/16 - 12/18	West Alexandria Properties, West Alexandria Properties, Inc, Alexandria, Virginia: Senior Associate: The West Alexandria Coordinated Development District (CDD) includes approximately 2,900,000 square feet of office, residential, retail, and civic uses across two (2) small area plans along S. Van Dorn Street corridor. The properties are located approximately 1/2 mile north of the Van Dorn Metrorail station. Mr. Vaughan was a key player in assessing the transportation impacts of this development, including impacts on pedestrian, vehicular, bicycle and transit systems and providing solutions which appropriately shared infrastructure between all travel modes. The envisioned grid of streets analyzed under future conditions included a mix of private and public streets with varying classifications and a future multimodal bridge connection from the site to the Van Dorn Metrorail station focused on reducing vehicle trips in the area. Mr. Vaughan conducted comprehensive capacity and VISSIM analysis for a number of on- and off-site intersections including the incorporation of future BRT routes on S. Van Dorn Street and Duke Street.
06/18 - 10/20	Watson Street Residential, KGD Architecture, Fairfax County, Virginia: Senior Associate: Watson Street Residential proposed to rezone a site with an approximately 320,000 SF multifamily residential building comprised of 250-units and ground floor retail/civic uses. Mr. Vaughan led the effort to complete the transportation analysis of the development, including a waiver of adjacent intersection level of service in exchange for enhanced TOD site features. Mr. Vaughan also led the design and location of a multimodal off-site grid street including negotiations with staff and other project stakeholders.
07/15 - 04/20	Inova Loudoun Hospital, Loudoun Hospital, Loudoun County, Virginia: Senior Associate: Led a team in analyzing the growth of the nearly 50 acre medical facility. A traffic impact study was completed including an assessment of the capacity impacts of the expansion of the medical facilities on the surrounding roadway network. Our team provided recommendations on access schemes, traffic control at each driveway including lane use and traffic signal control, parking structures, on-site circulation, and emergency vehicle routing. The analysis included an evaluation of the growth throughout Loudoun County and nearby capacity improvements including Route 50 interchange projects.

16. STAFF EXPERIENCE:

	Firm Employed By: 				
	Name	Carlos Martinez, PE		Years of Relevant Experience with this Employer	33
	Title	Traffic Chief Engineer		Years of Relevant Experience with Other(s) Employers	0
	Degree(s)/Years/Specialization		BS / 1992 / Civil Engineering		
	Active Registration Number / State / Expiration Date		PE #51429 / FL / 02.28.2027 PE #35309 / NC / 12.31.2026		
	Year Registered	1997	Discipline	Civil	
Contract Role(s)/Brief Description of Responsibilities			Traffic		
Carlos Martinez, PE, serves as a Traffic Chief Engineer for DRMP's Transportation Market Sector. In this role, he is responsible for the preparation of traffic engineering design plans and developing various types of traffic engineering studies. In addition to his design/production tasks, Mr. Martinez also performs project management tasks and quality assurance/quality control reviews. Mr. Martinez's experience in traffic engineering design includes signing and pavement marking, signalization, lighting and intelligent transportation systems for a variety of projects, including minor intersection improvements to major roadway construction and limited access facilities. His project experience spans a variety of clients including FDOT Districts One, Two, Three, Five, Seven, Florida's Turnpike Enterprise, Central Florida Expressway Authority and various counties and cities.					
Experience Dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).				
11/20 - 09/23	SR 516 (Lake Orange Expressway) from Orange/Lake County Line to SR 429 (Segment 3) (Contract #516-238), Central Florida Expressway Authority, Orange County, Florida: Engineer of Record for signing and pavement marking design for this new systems interchange connecting SR 429 to SR 516, a new 4-lane limited access toll facility that extends to US 27. This interchange includes five new bridges, with two using concrete Florida-U Beams and three using steel box girders and four bridge widenings, where three are using Florida-I Beams and one is using steel I-girders. This project also includes two miles of roadway improvements along SR 429, which includes widening, adding ramps and milling and resurfacing of the remaining existing roadway, a new dual teardrop roundabout at the interchange with Valencia Parkway, permitting with FDEP and SFWMD, coordination with Orange County, Lake County and local landowners, drainage, intelligent transportation systems, lighting, signing and pavement markings, tolling, aesthetics and geotechnical services.				
10/18 - 06/23	Wekiva Parkway Section 8 Interchange Design-Build, The Lane Construction Corporation for FDOT District Five, Seminole County, Florida: Engineer of Record for signing and pavement marking design for the design of a limited access toll road starting from Orange Boulevard to the east of Rinehart Road. This \$263.3 million project includes a new system-to-system interchange that connects I-4, SR 417, and SR 429 as well as accommodates future express lanes. The project includes 20 new bridges and two bridge widenings. Bridge types include a combination of single and multi-span bridges, concrete Florida-I Beams, and steel plate girders. The design-build team's approved interchange alternative technical concept improves operations and safety during and after construction while reducing overall impacts and long-term maintenance costs. Other project design elements include complex maintenance of traffic, drainage design, permitting, signing and pavement marking, lighting, signalization, intelligent transportation systems, landscape, geotechnical, tolling, and surcharge areas to consolidate deep muck.				

06/16 - 12/21	SR 91 (Florida's Turnpike Mainline) Widening from SR 50 Interchange to Minneola Interchange (MP 273-279), Florida's Turnpike Enterprise, Orange and Lake Counties, Florida: Engineer of Record responsible for the signing and pavement markings for the \$162.3 million widening of six miles of SR 91 from a 4-lane to 8-lane limited access facility. The project included a Public Meeting, extensive coordination with local agencies and presentations to County Commissioners and City Councils along with the development of Interlocal Agreements. The design consisted of 6.5 miles of roadway reconstruction including two interchanges, phased maintenance of traffic including a diversion for the length of the project limits, and two roundabouts along CR 455 adjacent to an overpass structure. The structural design effort was from the concept stage through final design for all structural elements on this project which included the replacement of the twin mainline bridges over Jones Road and Old Highway 50, the replacement of the CR 438 and CR 455 bridges, the replacement of the West Orange Trail pedestrian bridge and the addition of a new bridge to convey Fosgate Road over the mainline. The most significant project challenge was the structural design to accommodate traffic control. This required the extensive use of temporary walls and the design of temporary bridges to convey mainline traffic at the three bridge sites. Plans included all electronic tolling facility toll gantries, roadway, drainage, utility coordination, signing and pavement markings, temporary traffic control, structures, lighting, intelligent information systems, environmental permitting and surveying. The project also included the purchase of Right-of-Way for ponds only. This project is currently in construction.
05/20 - 05/21	SR 538 (Poinciana Parkway) Capacity Improvements from Ronald Reagan Parkway to Cypress Parkway Design-Build (Contract #538-165), The Lane Construction Corporation for Central Florida Expressway Authority, Osceola County, Florida: Engineer of Record for signing and pavement marking and signalization design for this new systems interchange connecting SR 429 to SR 516, a new 4-lane limited access toll facility that extends to US 27. This interchange includes five new bridges, with two using concrete Florida-U Beams and three using steel box girders and four bridge widenings, where three are using Florida-I Beams and one is using steel I-girders. This project also includes two miles of roadway improvements along SR 429, which includes widening, adding ramps and milling and resurfacing of the remaining existing roadway, a new dual teardrop roundabout at the interchange with Valencia Parkway, permitting with FDEP and SFWMD, coordination with Orange County, Lake County and local landowners, drainage, intelligent transportation systems, lighting, signing and pavement markings, tolling, aesthetics and geotechnical services.
04/18 - 02/20	SR 528/SR 436 Interchange Improvements and SR 528 Widening from SR 436 to Goldenrod Road (Contract #528-143), Central Florida Expressway Authority, Orange County, Florida: Engineer of Record for the signing and pavement marking design for the reconstruction of the SR 528/SR 436 interchange and widening of SR 528 from 4-lanes to 6-lanes with an auxiliary lane eastbound to Goldenrod Road and westbound to Conway Road. This project includes construction of seven new bridges using a mix of steel box girders and concrete Florida-U Beams as well as the replacement of one box culvert. This project also involved extensive coordination with the Greater Orlando Aviation Authority and the Federal Aviation Administration as this interchange serves as the north entrance and exit to the Orlando International Airport. Other project design elements included complex maintenance of traffic, drainage design, permitting, signing and pavement marking, lighting, signalization, intelligent transportation systems and geotechnical analysis.
04/15 - 03/16	SR 528 (Beachline) Widening from Florida's Turnpike to McCoy Road (MP 4.3-8.4), Florida's Turnpike Enterprise, Orange County, Florida: Signing and Pavement Marking Engineer of Record for this \$32 million project for the widening into the median of 4.2 miles from 6-lanes to 8-lanes. Plans included roadway, drainage, bridge widenings (Florida's Turnpike, US 441 and Landstreet Road) as well as modifications to the existing toll gantry/cash toll plaza, signing and pavement markings, maintenance of traffic, lighting, intelligent transportation systems, environmental permitting and surveying.
01/13 - 03/13	Suncoast Parkway Emergency Flood Repair, Florida's Turnpike Enterprise, Hernando County Florida: Engineer of Record responsible for signing and pavement marking design in support of preparation of construction plans to expand ponds and analysis to develop a long term solution for eliminating flooding at the northern end of the existing Suncoast Parkway. The parkway experienced flooding of the shoulders in 2004 and complete closure of all lanes in 2012. The construction plans included work to raise the profile 10-feet, expand an existing pond just south of US 98, stockpiling of dirt and environmental work for gopher tortoises and permitting. The limits of the project extended from the existing landfill bridges to US 98 a distance of one mile. The project also included preparation of a drainage report and stormwater modeling to evaluate long term solutions, roadway, maintenance of traffic, signing and markings, lighting and intelligent transportation system plans. Plans were produced and signed and sealed in a three month time frame.

16. STAFF EXPERIENCE:



Firm Employed By:  **DRMP**

Name	Jim Highland, PE		Years of Relevant Experience with this Employer	23
Title	Traffic Division Leader		Years of Relevant Experience with Other(s) Employers	0
Degree(s)/Years/Specialization		BS / 2002 / Civil Engineering		
Active Registration Number / State / Expiration Date		PE #68240 / FL / 02.28.2027		
Year Registered	2002	Discipline	Civil	

Contract Role(s)/Brief Description of Responsibilities Traffic

Jim Highland, PE, serves as a Vice President and the Traffic Division Leader for DRMP's Transportation Market Sector. He has managed various contracts for municipalities and the FDOT throughout his 23-year career. As a project manager, he is the main point of contact and handles task scoping, assigning team members to various projects, managing project schedules, budgets and quality control. His experience in traffic engineering design has included technical engineering analysis, safety design and studies, design of minor intersection reconstruction, signalization plans, lighting plans and Intelligent Transportation Systems. Mr. Highland has experience performing traffic engineering studies, including signal warrants, midblock pedestrian crossing warrants, queue analysis, and analyzing traffic operations for intersections and corridors.

Experience Dates (mm/yy-mm/yy) Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).

10/18 - 06/23	Wekiva Parkway Section 8 Interchange Design-Build, The Lane Construction Corporation for FDOT District Five, Seminole County, Florida: Traffic Engineer of Record for the design and construction of 2.63 miles of limited access toll road starting from Orange Boulevard to east of Rinehart Road. This \$263.3 million project includes a new system to system interchange that connects I-4, SR 417 and SR 429 as well as accommodates future express lanes. The project includes 20 new bridges and two bridge widenings. Bridge types include a combination of single and multi-span bridges, concrete Florida-I Beams and steel plate girders. The design-build team's approved interchange alternative technical concept improves operations and safety during and after construction, while reducing overall impacts and long-term maintenance costs. Other project design elements include complex maintenance of traffic, drainage design, permitting, signing and pavement marking, lighting, signalization, intelligent transportation systems, landscape, geotechnical, tolling and surcharge areas to consolidate deep muck.
06/07 - 12/17	SR 589 (Suncoast Parkway 2) from US 98 to South of W. Grover Cleveland Boulevard (MP 54.7-63.3), Florida's Turnpike Enterprise, Hernando and Citrus Counties, Florida: Served as Lighting Engineer of Record and ITS QA/QC for plans at the SR 589 and US 98 Interchange in support of the design of approximately nine miles of roadway. The overall project was a new limited access highway to extend the Suncoast Parkway. The complete design included plans for roadway, drainage, bridge, signing and pavement markings, signals, lighting, Right-of-Way mapping and environmental permitting. Overall, ITS Concept of Operations, design and plans included new gigabit Ethernet communications with supporting field installations of dynamic message signs (mainline and arterial), CCTV Camera sites, vehicle detection systems, travel time systems (RFID and bluetooth) and highway advisory radio systems. Work included designing electrical services with automatic transfer switches and permanent generator backup for all field devices. Wiring and fiber splicing diagrams, equipment details and specifications were developed as part of this project.
01/18 - 01/19	Ramp K Improvements (SR 528 Westbound Exit Ramp to Universal Boulevard/Orangewood Boulevard) (MP 1.9), Florida's Turnpike Enterprise, Orange County, Florida: Served as Lighting Engineer of Record responsible for the delivery of this \$648,000 project for the addition of a second right-turn lane on Ramp K (Westbound SR 528 exit ramp) at the Universal Boulevard Interchange. The addition of the right-turn lane increased the capacity of the ramp and provides access from SR 528 (Beachline Expressway) to Universal Boulevard and the International Drive corridor. The addition of the right-turn lane included utility coordination and design, preparation of construction plans for roadway, drainage, signing and pavement markings, lighting, signalization and structures.

Jim Highland, PE continued

06/16 - 12/21	SR 91 (Florida's Turnpike Mainline) Widening from SR 50 Interchange to Minneola Interchange (MP 273-279), Florida's Turnpike Enterprise, Orange and Lake Counties, Florida: Serving as the Lighting Engineer of Record and ITS Quality Reviewer responsible for the \$162.3 million widening of six miles of SR 91 from a 4-lane to 8-lane limited access facility. The project included a Public Meeting, extensive coordination with local agencies and presentations to County Commissioners and City Councils along with the development of Interlocal Agreements. The design consisted of 6.5 miles of roadway reconstruction including two interchanges, phased maintenance of traffic including a diversion for the length of the project limits, and two roundabouts along CR 455 adjacent to an overpass structure. The structural design effort was from the concept stage through final design for all structural elements on this project which included the replacement of the twin mainline bridges over Jones Road and Old Highway 50, the replacement of the CR 438 and CR 455 bridges, the replacement of the West Orange Trail pedestrian bridge and the addition of a new bridge to convey Fosgate Road over the mainline. The most significant project challenge was the structural design to accommodate traffic control. This required the extensive use of temporary walls and the design of temporary bridges to convey mainline traffic at the three bridge sites. Plans included all electronic tolling facility toll gantries, roadway, drainage, utility coordination, signing and pavement markings, temporary traffic control, structures, lighting, intelligent information systems, environmental permitting and surveying. The project also included the purchase of Right-of-Way for ponds only. This project is currently in construction.
04/18 - 02/20	SR 528/SR 436 Interchange Improvements and SR 528 Widening from SR 436 to Goldenrod Road (Contract #528-143), Central Florida Expressway Authority, Orange County, Florida: Lighting Engineer of Record for the reconstruction of the SR 528/SR 436 interchange and widening of SR 528 from 4-lanes to 6-lanes with an auxiliary lane eastbound to Goldenrod Road and westbound to Conway Road. This project includes construction of seven new bridges using a mix of steel box girders and concrete Florida-U Beams as well as the replacement of one box culvert. This project also involved extensive coordination with the Greater Orlando Aviation Authority and the Federal Aviation Administration as this interchange serves as the north entrance and exit to the Orlando International Airport. Other project design elements included complex maintenance of traffic, drainage design, permitting, signing and pavement marking, lighting, signalization, intelligent transportation systems and geotechnical analysis.
05/20 - 05/21	SR 538 (Poinciana Parkway) Capacity Improvements from Ronald Reagan Parkway to Cypress Parkway Design-Build (Contract #538-165), Central Florida Expressway Authority, Osceola County, Florida: Lighting Engineer of Record for this \$92.6 million design-build project that widens SR 538 from a 2-lane undivided roadway to a 4-lane divided expressway for seven miles. This project includes the design of new bridges over the Reedy Creek Mitigation Bank, Marigold Avenue and KOA Street using Florida-I Beams and founded on prestressed concrete piles. The bridge over the Reedy Creek Mitigation Bank is over a mile long, designed to minimize environmental impacts and has minimum vertical clearance that allows the safe passage of wildlife below. The project also included over two miles of sound walls, drainage, environmental, permitting, signing and pavement markings, intelligent transportation systems, lighting, all-electronic tolling and utility upgrades for the Toho Water Authority. The design-build team's innovative designs included a revised pile configuration that saved \$5 million in project costs.
09/13 - 10/15	SR 15/SR 600 (US 17/92) Interchange at SR 436 Design-Build, The Lane Construction Corporation for FDOT District Five, Seminole County, Florida: Traffic Engineer of Record for signalization, intelligent transportation systems and signing and pavement markings in support of roadway widening and SPUI project along an urban area. Project consisted of upgrading three signalized intersections to comply with the latest FDOT design criteria, fiber interconnect, replacement of TMS and development of coordinated timings for the corridor. The intelligent transportation system consisted of upgrading and maintaining the fiber network and the replacement of the AVI and CCTV devices. Project limits on SR 15 extend from Prairie Lake Drive to Sunnyside Road. Limits along SR 436 extend from Oxford Road to west of SR 15.

16. STAFF EXPERIENCE:

	Firm Employed By: 				
	Name	Bharathi Chigurupati, PE, RSP1		Years of Relevant Experience with this Employer	7
	Title	Traffic Group Leader		Years of Relevant Experience with Other(s) Employers	13
	Degree(s)/Years/Specialization		BS / 2003 / Civil Engineering MS / 2005 / Transportation Engineering		
	Active Registration Number / State / Expiration Date		PE #84860 / FL / 02.28.2027		
	Year Registered	2018	Discipline	Civil	
Contract Role(s)/Brief Description of Responsibilities			Traffic		
Bharathi Chigurupati, PE, RSP1, serves as the Tampa Traffic Group Leader and a Project Manager for DRMP's Transportation Market Sector. Her responsibilities include signal design, lighting design, signing and pavement marking design and minor traffic studies. She is also responsible for project management, scheduling, estimation of quantities, developing scope and manhours.					
Experience Dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).				
01/21 - Ongoing	I-75 (SR 93) from Collier County Line to Gator Crossing Canal Bridge, FDOT District One, Lee County, Florida: Lighting Engineer of Record for the milling and resurfacing of this 13.8-mile, 6-lane facility extending from Collier County Line to Gator Crossing Canal Bridge on I-75 (SR 93). The work includes milling and resurfacing the emergency median crossovers, existing frontage roads, ramps, shoulders, northbound and southbound lanes of I-75. It also includes bringing the existing Traffic Monitoring Systems into compliance as well as guardrail relocation/replacement and shoulder gutter replacement. Overall project includes bridge inspection, load rating, traffic related structures design, 3D Laser scanning, subsurface utility engineering, topographic, wetland delineation, resurfacing, restoration and rehabilitation, ATMS, intelligent transportation systems, lighting, maintenance of traffic, pavement design, signing and pavement marking, public involvement, utility coordination and a 3D model completed in OpenRoads Designer (ORD).				
07/18 - 12/21	5th Street over Yacht Club Cut Bridge Replacement, City of New Smyrna Beach, Volusia County, Florida: Traffic Quality Assurance/Quality Control Engineer responsible for the signing and pavement marking plans for this bridge replacement project. The facility is a 2-lane roadway providing access from the mainland to an island community and marina. The bridge typical section consists of two 9-foot lanes, with 2.5-foot shoulders and a 5-foot sidewalk with traffic railings. The bridge superstructure is comprised of a 3-span Florida Slab Beam (FSB) superstructure using stainless steel reinforcing and consisting of 54-foot spans. The roadway and bridge will be reconstructed on the existing alignment. A temporary ACROW bridge will provide access during the bridge replacement. Scour and tidal influences will play a critical role in design of the structure. The project included two public meetings; one in person and one virtual. A Type I Categorical Exclusion was approved for the project. Mitigation planning included establishing an off-site preservation area and relocating oysters within the project footprint. US Coast Guard and National Marine Fisheries Services coordination and environmental permitting with the St. Johns River Water Management District (SJRWMD) and USACE was completed. This project includes PD&E study, public meeting coordination, Coast Guard coordination, mitigation and environmental permitting, geotechnical investigations, survey, Right-of-Way mapping, utility coordination, roadway, drainage, coastal hydraulics, structures, lighting and signing and pavement marking. This is a LAP project between the City of New Smyrna Beach and District Five. This project is currently in construction.				

Bharathi Chigurupati, PE, RSP1 continued

01/21 - Ongoing	I-75 (SR 93) from Toll Booth to Collier Boulevard, FDOT District One, Collier County, Florida: Lighting Engineer of Record for the milling and resurfacing of this 1.6-mile, 4-lane facility, extending from Toll Booth to Collier Boulevard on I-75 (SR 93). The work includes milling and resurfacing the northbound and southbound lanes and shoulders of I-75 and widening the inside median shoulders. Overall project includes bridge inspection, load rating, traffic related structures design, 3D Laser scanning, subsurface utility engineering, topographic, wetland delineation, resurfacing, restoration and rehabilitation, ATMS, intelligent transportation systems, maintenance of traffic, pavement design, signing and pavement marking, public involvement, utility coordination and a 3D model completed in OpenRoads Designer (ORD).
07-21 - Ongoing	I-175/SR 594 Concrete Rehabilitation, FDOT District Seven, Pinellas County, Florida: Lighting Engineer of Record responsible for preparing lighting plans for this Concrete Rehabilitation Project on I-175 from E. 16th Street South to 4th Street South in the City of St. Petersburg, Florida. I-175 (SR 594) is an Limited Access Interstate Highway. This roadway is an SIS corridor and varies from 4-lanes to 6-lanes. The concrete rehabilitation improvements will include rigid pavement rehabilitation for concrete pavement slabs of the existing mainline and ramps with milling and resurfacing of the asphalt portions of the mainline roadway, shoulders and ramp lanes. Services being provided include pavement design, slab maintenance scheduling, milling and resurfacing, drainage, signing and pavement markings, miscellaneous structures, lighting, design survey, Terrestrial Mobile LiDAR and public involvement.
03/20 - 03/22	SR 91 (Florida's Turnpike Mainline) Reconstruct and Safety Improvements from US 27 to Lake/Sumter County Line (MP 289.3 - 297.9 Southbound Only), Florida's Turnpike Enterprise, Lake County, Florida: Traffic Engineer for signing and pavement marking plans of this \$8.4 million project for the resurfacing and safety improvements of Turnpike's Mainline for approximately 8.5 miles. This project included milling, resurfacing, maintenance of traffic, repair/replacement of guardrail, cross slope correction, repair of existing box culverts, minor bridge repair and signing and marking improvements. Temporary traffic control plans (TTCP) incorporated Smart Work Zone (SWZ) elements along with detours for nightly lane closures. Deep milling was anticipated in several locations within the project limits. Twelve box culverts in the northbound and southbound direction were repaired due to crack and scaling deficiencies. The TTCP provided 10-foot Emergency Shoulder Use (ESU) in the northbound direction for the culvert repairs. Bridge joints were replaced and repairs for concrete spalls were completed at Palatlahaha Creek and CR 48 over Turnpike. Exclusion fencing details were provided for Gopher Tortoise. The project also included survey, environmental permitting and utility coordination.
06/18 - 05/21	SR 50 Widening, FDOT Districts Five and Seven, Hernando and Sumter Counties, Florida: Signing and Pavement Marking Engineer of Record for widening eight miles of SR 50 from 2-lanes to 4-lanes from east of US 301 to east of CR 757. The project extends through the Withlacoochee State Forest and involves extensive environmental coordination with US Fish and Wildlife Service, Southwest Florida Water Management District, US Forestry Service, Acquisition and Restoration Council, two FDOT Districts and local agencies. The river crossing is composed of five spans of AASHTO Type II Beams founded on driven concrete piles to match the configuration of the existing river crossing which will remain in place. The CSX bridges eliminate an existing at-grade rail crossing and will span the full railroad Right-of-Way with single spans of Florida-I 63 Beams on driven concrete piles with retaining walls at the bridge ends. This project required coordination with CSX and a local mining operation. Project includes roadway, drainage, bridges, signing and pavement marking, maintenance of traffic, environmental permitting, Right-of-Way mapping and public involvement.
02/19 - Ongoing	Ridge Road at Suncoast Parkway Interchange (MP 12-13), Reynolds Smith & Hills, Inc. for Florida's Turnpike Enterprise, Pasco County, Florida: Lighting Engineer of Record and Signing and Pavement Marketing Engineer of Record that was responsible for signing and pavement marking, as well as, lighting plans for the new Suncoast Parkway Interchange on Ridge Road in Pasco County. The project included diamond shaped interchange ramps and Ridge Road widening. Traffic services included full interchange lighting, intelligent transportation systems device deployment and FTE backbone fiber replacements as well as overhead guide signing. Project required coordination with Pasco County and Withlacoochee River Electric Cooperative, Inc.

16. STAFF EXPERIENCE:



Firm Employed By:  **Horrocks.**

Name	Aaron Littman, PE, PTOE		Years of Relevant Experience with this Employer	6
Title	Sr. Transportation Traffic Engineer		Years of Relevant Experience with Other(s) Employers	21
Degree(s)/Years/Specialization	BS / 1999 / Civil and Environmental Engineering			
Active Registration Number/State/Expiration Date	PE#72693 / AZ / 03.31.2027; PE#12066282-2202 / UT / 03.31.2027; PTOE#7101 / TPCB / 11.17.2026			
Year Registered	2003	Discipline	Civil Engineering	

Contract Role(s)/Brief Description of Responsibilities | Alternative Delivery | ITS Design & Support | Roadway Design

Aaron brings more than 25 years of experience in traffic engineering and ITS to the Horrocks team, having managed and designed projects across the country. His project experience consists various corridor and intersection safety studies, the design of centralized traffic signal systems, innovative intersection and interchange concept development, rail crossing studies and design, parking and traffic impact studies, GIS integration and development, traffic modeling, and the development of ITS and strategies. Aaron's extensive experience in traffic engineering and safety analysis make him a valuable asset to any project team he is a member of. He believes that consistent and regular communication, while working as an extension of the Client's project team, is key to the success of every project.

Experience Dates (mm/yy-mm/yy) | Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).

02/22 - 06/23 SECTION 17 PROJECT	I-15; 5600 South Progressive Design-Build, Weber County, UT Senior Traffic Engineer. Aaron is responsible for microsimulation modeling of various alternatives (using Vissim) and preparation of the final Interchange Access Change Request (IACR). This project is located on I-15 and SR-97 within Roy and Riverdale City. This is an interchange reconstruction and SR-97 (5600 South) widening project to reduce congestion and improve safety from I-15 west to SR-108. The major items of work include a new interchange with multiple structures, road widening (including widening an existing structure over railroad), intersection improvements, trail systems, utilities, drainage, ROW, and Hill Air Force Base coordination.
07/22 - 11/25	The Point Redevelopment, Draper, UT Senior Traffic Engineer. Aaron is responsible for review of the traffic signals and completing the Vissim modeling for the project. This is a redevelopment of the former Utah State Correctional Facility 600-acre site into a pedestrian friendly, mixed-use community development.
06/18 - 04/24	Summerlin Parkway CC215 Interchange. Las Vegas, NV Lead Traffic Engineer. Aaron is responsible for the signing, as well as advising and reviewing the ITS design for the project. Horrocks is providing the final design for this project which addresses undesirable traffic weaving and will provide direct and semi-direct free flowing movements between CC-215 Western Beltway and Summerlin Parkway. This is accomplished by constructing braided ramps and eliminating all existing signalization, with the exception of the NB/WB movement which will be signalized in a High-T intersection configuration. Work includes the design of roadways, structures, retaining walls, drainage, utilities, SUE, traffic analysis, signing, and striping.
04/24 - 7/24	SR-201 at 3200 W MOT Study, Salt Lake County, UT Senior Traffic Engineer. Aaron is the traffic engineer and is completing the Vissim modeling and report for the project.

Aaron Littman continued

11/21 - 02/24	SR 147 - Lake Mead Boulevard, North Las Vegas, NV Senior Traffic Engineer. Aaron is responsible for design and preparation of plans for traffic signals, rapid rectangular flashing beacon (RRFB) pedestrian crossings, and signage. This project, which includes sign and striping replacement, lighting, traffic signals, Americans with Disabilities Act (ADA), and safety improvements, is located on Lake Mead Boulevard from Pecos Road to 2.36 miles east of the urban limit in Clark County, NV
06/21 - 12/22	I-15 Davis County; 600 North to Farmington, Farmington, UT Senior Traffic Engineer. Aaron is responsible for microsimulation modeling of various alternatives (using Vissim). This project will repair aging infrastructure, redesign interchanges to accommodate traffic, and provide facilities for active transportation users.
02/22 - 07/23	Boulder City Pkwy Complete Streets Phase 2, Boulder, NV Senior Traffic Engineer. Aaron is responsible for coordinating the development of travel demand volumes, traffic and alternative analysis using Synchro and HCS, predictive crash analysis, and preparation of a traffic and safety report. Horrocks was selected to prepare concept plans, landscape renderings, and engineering design plans for Boulder City Parkway from the Nevada Way and Buchanan Boulevard intersection to the eastern city limits.
12/21 - 03/22	City of Delaware (Ohio) Signal Services, Delaware, OH Project Manager. Aaron was responsible for project management, design review, and traffic signal timing development. Horrocks was selected by the City of Delaware to provide review services for traffic and intelligent transportation system (ITS) plans on critical projects and develop optimized traffic signal timing plans. Our firm's work will include traffic tasks on the City's "Point" project that involves widening the Norfolk Southern Railroad bridge over US 36 and SR 37, which will relieve congestion and increase safety for users.
02/19 - 06/21	Nevada State Drive, Henderson, NV Senior Traffic Engineer. Aaron was responsible for roundabout design review and he was involved in the interchange traffic modeling and analysis. Horrocks is currently designing Nevada State Drive between I-515 and Paradise Hills Drive. As part of the preliminary design, the use of roundabouts at the intersections of Conestoga Way, Compassion Street, and Paradise Hills Drive were evaluated as potential design options. Survey and traffic information was used to analyze the potential roundabout layouts and determine the ultimate alignment of Nevada State Drive in order to define the final rights-of-way.

16. STAFF EXPERIENCE:

**Surveying &
Mapping Services**

16. STAFF EXPERIENCE:



Firm Employed By: 				
Name	Jace Ricard, PLS		Years of Relevant Experience with this Employer	3
Title	Land Surveyor		Years of Relevant Experience with Other(s) Employers	10
Degree(s) / Years / Specialization		BS / 2014 / Geomatics		
Active Registration Number / State / Expiration Date		PLS# 5205 / LA / 09.30.2027		
Year Registered	2019	Discipline	Surveying	
Brief Description of Responsibilities		Discipline Lead - Topographic Survey / ROW Services Meets MPR 6 & 7		
Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).				
Hooper Road Widening (LA 408) Blackwater-Joor, East Baton Rouge Parish, LA Land Surveyor. Jace served as the land surveyor of record for the property survey and Right-of-Way maps for this MOVEBR project, which included widening Hooper Road between Blackwater Road and Joor Road from an existing two-lane roadway to a four-lane boulevard with sidewalks. A total of 86 parcels were included in the Right-of-Way maps. Jace was responsible for performing the property survey and preparation of the property map, acquisition Right-of-Way maps, and recordation Right-of-Way maps in accordance with LADOTD standards.				
Jones Creek Road Improvements Phases 1A & 1B, East Baton Rouge Parish, LA Land Surveyor. Jace is the land surveyor of record for topographic survey updates and Right-of-Way map revisions for this MOVEBR project, which includes extending Jones Creek Road on a new alignment from Tiger Bend Road to Airline Highway. Jace prepared recordation and acquisition set Right-of-Way map revisions.				
BREC Scotlandville Parkway Bridge Replacements, East Baton Rouge Parish, LA Surveyor. Jace is the surveyor of record for this project, which includes performing topographic surveys at five sites along the Scotlandville Parkway. These surveys serve as the basis for designing new pedestrian and small vehicle bridges and channel protections along the parkway.				
Mitch Road over Peters Creek, Washington Parish, LA Surveyor. Jace is the surveyor of record for the topographic and property surveys and Right-of-Way maps for this LADOTD bridge replacement project. He was responsible for establishing local horizontal and vertical control, collecting all roadway, bridge, drainage, utility, and miscellaneous features topography, generating a survey map and digital terrain model, and establishing the existing centerline. He is also responsible for preparing the existing property map and proposed Right-of-Way maps.				
Ardenwood-Lobdell Connector, East Baton Rouge Parish, LA Surveyor. Jace is the surveyor of record for the property survey and Right-of-Way maps for this MOVEBR project. He is responsible for recovering existing property corners, establishing existing property locations, and preparing the Right-of-Way acquisition and recordation maps. All work is being performed in accordance with MOVEBR guidelines.				
Forte and Tablada, Inc, Baton Rouge, LA Survey Project Manager. Jace oversaw stormwater management and road/highway development projects. He had success in managing the budget, schedule, and client expectations on these projects. Jace was responsible for managing upwards of ten survey crews on multiple projects as well as 1-2 CAD technicians. He performed topographic and property surveys for multiple DOTD projects in accordance with Location & Survey Standards.				

Jace Ricard resume continued

5/23 - Ongoing	M. Williams Road over Spring Creek, Tangipahoa Parish, LA Surveyor. Jace is the surveyor of record for the topographic and property surveys and ROW maps for this LADOTD bridge replacement project. He was responsible for establishing local horizontal and vertical control, collecting all roadway, bridge, drainage, utility, and miscellaneous features topography, generating a survey map and digital terrain model, and establishing the existing centerline. He is also responsible for preparing the existing property map and proposed ROW maps.
5/23 - Ongoing	George Jenkins Road over Barrys Creek, Washington Parish, LA Surveyor. Jace is the surveyor of record for the topographic and property surveys and ROW maps for this LADOTD bridge replacement project. He was responsible for establishing local horizontal and vertical control, collecting all roadway, bridge, drainage, utility, and miscellaneous features topography, generating a survey map and digital terrain model, and establishing the existing centerline. He is also responsible for preparing the existing property map and proposed ROW maps.
5/23 - Ongoing	Mitch Road over Peters Creek, Washington Parish, LA Surveyor. Jace is the surveyor of record for the topographic and property surveys and ROW maps for this LADOTD bridge replacement project. He was responsible for establishing local horizontal and vertical control, collecting all roadway, bridge, drainage, utility, and miscellaneous features topography, generating a survey map and digital terrain model, and establishing the existing centerline. He is also responsible for preparing the existing property map and proposed ROW maps.
5/23 - Ongoing	North Brickyard Road Bridge, Tangipahoa Parish, LA Surveyor. Jace is the surveyor of record for the topographic and property surveys and ROW maps for this LADOTD bridge replacement project. He was responsible for establishing local horizontal and vertical control, collecting all roadway, bridge, drainage, utility, and miscellaneous features topography, generating a survey map and digital terrain model, and establishing the existing centerline. He is also responsible for preparing the existing property map and proposed ROW maps.
06/23 - Ongoing	Jones Creek Road Improvements Phases 1A & 1B, East Baton Rouge Parish, LA Land Surveyor. Jace is the land surveyor of record for topographic survey updates and ROW map revisions for this MOVEBR project, which includes extending Jones Creek Road on a new alignment from Tiger Bend Road to Airline Highway. Jace prepared recordation and acquisition set ROW map revisions. Waggoner was contracted by the East Baton Rouge Parish Department of Department of Transportation and Drainage through the MOVEBR Program to design the extension of Jones Creek Road from the existing Tiger Bend Road intersection to a new terminus point on Airline Highway. The project includes a two-mile, four-lane boulevard on new alignment, green infrastructure drainage features, a roundabout at Jefferson Highway, a new residential subdivision access point for an existing subdivision, a new bridge over Claycut Bayou, topographic and ROW mapping, and stormwater detention ponds to control outfall channel levels.
02/24 - Ongoing	BREC Scotlandville Parkway Bridge Replacements, East Baton Rouge Parish, LA Survey Manager. Jace served as survey manager for this project, an evaluation and assessment of three bridges along a three-mile parkway along I-110 in North Baton Rouge with multiple recreational facilities. Waggoner's services for this project include topographic survey, construction drawings, bidding assistance, construction administration, and geotechnical services for the demolition, construction, and installation of three small vehicle and pedestrian replacement bridges at the parkway. The new bridges will restore access along the greenway trail at two locations and provide new access to the Disc Golf Course. The topographic survey involved establishing horizontal and vertical control at the three new bridge sites and two existing bridge sites slated for demolition, with all five sites tied together for consistency. Field surveying captured detailed topography of ground features, channels, bayous, bridge structures, utilities, trails, and pathways. Using a combination of RTK GPS, terrestrial scanning, and conventional total station methods, the team generated a comprehensive topographic map and a 3D digital terrain model in Civil3D, providing a robust foundation for design and construction.
06/23 - Ongoing	Carrol Avenue over Middle Colyell Creek, Livingston Parish, LA Surveyor. Jace is the surveyor of record for the topographic and property surveys and ROW maps for this LADOTD bridge replacement project. He was responsible for establishing local horizontal and vertical control, collecting all roadway, bridge, drainage, utility, and miscellaneous features topography, generating a survey map and digital terrain model, and establishing the existing centerline. He is also responsible for preparing the existing property map and proposed ROW maps.

16. STAFF EXPERIENCE:

	Firm Employed By:  WAGGONER				
	Name		Milan Lear, CST1	Years of Relevant Experience with this Employer	7
	Title		Survey Party Chief	Years of Relevant Experience with Other(s) Employers	0
	Degree(s)/Years/Specialization		N/A		
	Active Registration Number/State/Expiration Date		N/A		
	Year Registered	N/A	Discipline	N/A	
Contract Role(s)/Brief Description of Responsibilities			Topographic Survey		
Milan is a Survey Crew Chief and Certified Survey Technician, with extensive experience in topographic and boundary surveys for transportation, utility, and development projects. He is proficient in using Leica and Trimble survey equipment, including total stations, RTK GPS, scanners, and digital levels. For the Angus Avenue bridge replacement, Milan will lead the field survey crew, responsible for collecting topographic and utility data, documenting cross sections, and supporting Right-of-Way mapping in accordance with the LADOTD Location and Survey Manual. His experience with ALTA/NSPS surveys, asbuilt surveys, and Subsurface Utility Engineering (SUE) at quality levels A-C ensures accurate field data collection for use in final design.					
Experience Dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).				
10/12 - Ongoing	Hooper Road Widening (LA 408) Blackwater-Joor, East Baton Rouge Parish, LA (H.002316) Utility Locator and Survey Party Chief. Milan was the survey party chief for the topographic survey of 2.2 miles of a two-lane roadway. As part of the topographic survey, he collected painted QL-C utility markings, above ground utility features, and applied appropriate survey line coding for line connectivity. The locating of QL-B markings performed by others included preparation of shot count sheets and line designations. He was also the party chief for surveying QL-A test holes at eight locations. Test holes were performed to locate existing sewer force mains and critical fiber optic communication lines along the project corridor.				
2018 - 2019	Causeway Blvd - Earhart Expressway Interchange SUE (LADOTD), Jefferson Parish, LA, Utility Locator and Instrument Man. Milan performed QL-B utility designations and QL-A surveying at 22 test hole locations. Utilities located include water lines, sewer force mains, gas, fiber optic telecommunications, storm drains, and active large diameter gas transmission lines.				
5/23 - Ongoing	Mitch Road over Peters Creek, Washington Parish, LA, Party Chief. Milan served as Survey Party Chief for the topographic survey on this project, leading a three-man crew to capture sufficient field data to create accurate designs and construction plans. Part of the field acquisitions involved establishing horizontal and vertical controls, capturing detailed surface features, channel features, existing utilities through coordination with LA One Call, and recording existing bridge components. Waggoner was contracted by LADOTD to provide preliminary and final engineering and plan preparation to replace a 78-foot by 26-foot timber trestle bridge with a new 24-foot by 100-foot cast-in-place slab span bridge. The new bridge utilizes the Off-System Slab Span standard details for the proposed clear width and skew. Waggoner also completed road and drainage design, bridge hydraulic and scour impact analyses, topographic survey, property survey, and preparation of ROW maps all while adhering to rigorous quality control measures.				
5/23 - Ongoing	Carroll Avenue over Middle Creek Colyell Creek, Livingston Parish, LA, Party Chief. Milan served as Survey Party Chief for the topographic survey on this project, leading a three-man crew to capture sufficient field data to create accurate designs and construction plans. Part of the field acquisitions involved establishing horizontal and vertical controls, capturing detailed surface features, channel features, existing utilities through coordination with LA One Call, and recording existing bridge components. Waggoner was contracted by LADOTD to provide preliminary and final engineering and plan preparation to replace a 62-foot by 20-foot railcar bridge with a new 24-foot by 80-foot cast-in-place slab span bridge. The new bridge utilizes the Off-System Slab Span standard details for the proposed clear width. Waggoner also completed road and drainage design, bridge hydraulic and scour impact analyses, topographic survey, property survey, and preparation of ROW maps all while adhering to rigorous quality control measures.				

16. STAFF EXPERIENCE:

	Firm Employed By: 					
	Name		Bradley Holleman, PLS, PE		Years of relevant experience with this employer	4.5
	Title		Senior Vice President, Survey/AMM		Years of relevant experience with other employer(s)	15
	Degree(s) / Years / Specialization			BSCE / 2009 / Civil Engineering with Minor in Land Surveying		
	Active Registration Number / State / Expiration Date			PLS #5082 / LA / 09/30/2026; PE 47165 / LA / 03/31/2027		
	Year registered	2012	Discipline	Land Surveying		
Contract Role(s) / Brief Description of Responsibilities			Survey Principal-in-Charge			
Mr. Holleman will serve as Survey Principal-in-Charge during this contract, and in that role, he will coordinate with the Survey Task Managers to assure task orders are estimated, started, and completed to meet scheduled deadlines, while also satisfying LADOTD deliverable standards and Forte and Tablada's quality standard. Mr. Holleman has 14 years of experience of managing field crews and office work on on-system LADOTD Topographic Surveys, Boundary Surveys and Right of Way Mapping with 9 years being the Supervising Professional and 3 years as Principal. He has managed over 130 task orders under 5 separate Topographic and Right of Way Mapping IDIQ Contracts with LADOTD. Mr. Holleman fulfills MPRs 6 and 7. He is a professional land surveyor, registered in the state of Louisiana, having a minimum of five (5) years of experience in conducting topographic surveys and a minimum of five (5) years of experience conducting boundary surveys and developing Right-of-Way maps for LADOTD as shown below.						
Experience Dates (mm/yy-mm/yy)		Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).				
09/25-Ongoing		Contract #OLHC BB1- O.B.2025.04.016 through O.B.2025.04.023, O.B.2025.04.049- Bridge Bundle Program- 9 OLHC Project Numbers (9 Bridge Sites), District 04, LA - Principal-in-Charge for topographic surveying and establishing existing Right-of-Way for 9 bridge sites on 2 lane State Highways for the Office of Louisiana Highway Construction.				
08/23 - Ongoing		Contract 4400025029 - H.015547, H.015548, H.015549, H.015341, H.015551, H.015552, H.015545, H.015550, H.015544, H.015553- Infrastructure Investment and Jobs Act (IIJA) Off-System Bridge Program- 10 State Project Numbers (13 Bridge Sites), East Baton Rouge Parish, LA - Principal-in-Charge for topographic surveying and Right-of-Way mapping services for 13 bridge sites on 2 lane roadways.				
12/21 - Ongoing		IDIQ Contract No. 4400021974 for Professional Surveying Services - Statewide, LA - Principal-in-Charge performing Topographic Surveys for LADOTD. To date, this IDIQ contract has included a total of 9 separate Task Orders for 7 State Highway Projects. Survey tasks included establishing deep rod control monuments, Conventional Topo, Hydrographic Survey, terrestrial and mobile LiDAR Survey, and producing Existing Drainage Maps.				
09/21 - Ongoing		IDIQ Contract No. 4400021532 for Professional Surveying Services - Statewide with Majority of Work in Districts 03 and 07 - Principal-in- Charge for property surveys, establishing existing Right-of-Way, Right-of-Way maps and title take-offs for LADOTD.				
06/21 - Ongoing		Contract 4400019336 - H.014219, H.014222, H.014228, H.014231 and H.014236 - Rural Bridge Replacement Initiative Phase II; 5 State Project numbers (20 Bridge Sites) in Districts 04 and 05, LA - Principal-in-Charge for topographic surveying and Right-of-Way mapping services for 20 bridge sites on 2 lane rural roadways.				
01/21- Ongoing		H.004273.5 - I-49 Connector - Lafayette Parish, LA - LADOTD - Principal-in-Charge responsible for providing topographic and property surveying services for the I-49 Connector. The project is in a dense urban area and is approximately 5 miles long.				
08/19 - Ongoing		H.011670- I-10/Loyola Interchange Improvements, Kenner, LA - Surveyor-in-Charge/Principal-in-Charge providing Topographic Survey, Right- of-Way Survey, Drainage Survey, and Right-of-Way Monument Mapping. The project stretches along I-10, from the levee in Kenner to the Williams Blvd. off ramp, as well as Loyola Avenue and portions of Veterans Blvd for approximately 3.2 miles of roadway. Mr. Holleman originally managed SJB Group's portion of the Survey and is now serving as Principal-in-Charge for any ongoing or new work Forte and Tablada is tasked with.				

03/24 - 04/24	H.015935 LA Hwy 47 Over Bayou Bienvenue- Emergency Bridge Replacement, St. Bernard/Orleans Parish, LA - Principal-in-Charge to provide topographic surveying for an emergency bridge replacement of the LA 47 bridge over Bayou Bienvenue. In addition to Conventional Topographic survey, Hydrographic survey of the Bayou was included. The bridge deck features and substructures were scanned through terrestrial LiDAR methods. Due to the emergency status of the project, the project was completed in a condensed timeline.
01/21 - 12/22	Contracts 4400010587 - Task Order 18; 4400015237- Task Order 1; 4400021974 - Task Orders 1, 3, and 4- H.003931 - Calcasieu River Bridge (HBI) - Calcasieu Parish, LA - Principal-in-Charge for this project providing topographic survey, Mobile and Terrestrial LiDAR, Multibeam Hydrographic survey of Lake Charles, and drainage mapping. This project is in a high-traffic industrial area along I-10 and is approximately 7 miles long. This Survey included four Phases of work, which were completed within a condensed timeline, requiring up to 6 Survey Crews being mobilized in order to meet deadlines for each Phase.
01/21 - 06/22	Retainer Contract No. 4400010587 for Professional Surveying Services - Statewide with Majority of Work in Districts 02, 03, 07, 61 and 62, LA - Principal-in-Charge performing Topographic Surveys for LADOTD. This Retainer contract included a total of 18 separate Task Orders for 11 State Highway Projects. Survey tasks included establishing deep rod control monuments, Conventional Topo, Hydrographic Survey, terrestrial and mobile LiDAR Survey, and producing Existing Drainage Maps.
01/21 - 03/22	Contract 4400017598 - H.013979, H.013995, H.013992, H.013994, H.013985, H.013954, H.013990- Rural Bridge Replacement Initiative Phase I; 7 State Project Numbers (22 Bridge Sites) in Districts 04, 05, 08 and 58, LA - Principal-in-Charge for topographic surveying and Right-of-Way mapping services for 22 bridge sites on 2 lane rural roadways.
11/19 - 12/20	H.012083- Calcasieu River Bridge Investigation, Calcasieu Parish, LA - Surveyor to provide Mobile LiDAR scanning services for the I-10/Lake Calcasieu bridge in Lake Charles, LA. Terrestrial scans were done underneath the bridge for 10 spans on the East and West side, on top the deck to capture the superstructure, as well as from the water below to capture the sub structure.
01/18 - 04/20	H.004100- I-10: LA 415 to Essen Lane, East Baton Rouge Parish, LA - Surveyor-in-Charge for the topographic survey and 3D Mobile laser scanning. This project was for the widening design of Interstate 10 from LA 415 to Essen Lane in East Baton Rouge Parish. This Survey was part of a larger project that extended West to LA 415 and included a team of 4 Survey firms to complete the work on schedule.
04/17 - 10/19	H.002151 LA 339 and LA 339S Bayou Parc - LADOTD -South Louisiana Survey Retainer - Surveyor-in-Charge for the property survey and right of way map. This project was for the construction of a bridge replacement and improvements along LA 339. The work consisted of conducting field and office analysis to determine the existing right of way and produce a set of right of way maps, according to LADOTD specifications, for acquisition of parcels required for construction. This project demonstrates Mr. Holleman's ability to fulfill the minimum personnel requirement of having over five (5) years of experience in conducting boundary surveys and Right-of-Way maps.
05/18 - 04/19	H.012591- I-10: Paris Road Lake Pontchartrain, New Orleans, LA - Surveyor-in-Charge for the topographic survey, 3D Mobile laser scanning and existing drainage map. This project was for the design of Interstate 10 improvements of an 8 mile stretch in New Orleans East.
06/16 - 02/17	H.000263 Chef Menteur Pass Bridge - Surveyor-in-Charge for the topographic survey, 3D laser scanning and existing drainage map. This project was for the design of new bridge to replace the existing swing bridge on US 90 over Chef Menteur Pass. The work consisted of completing a topographic survey, according to the LA DOTD Location and Survey Manual.
12/14 - 03/16	H.011137 & H.011152 - I-12 (LA 21 to LA 59), St. Tammany Parish, LA - Surveyor-in-Charge for the topographic survey, 3D laser scanning and existing drainage map. This project was for widening of Interstate 12 from LA 21 to La 59 in St. Tammany Parish.
04/12 - 09/12	H.009391 - LA 3188 Drainage Improvements, LaPlace, LA - Surveyor-in-Charge for the topographic survey and existing drainage map. This project was for drainage improvements to resolve localized roadway flooding along La 3188. This project demonstrates Mr. Holleman's ability to fulfill the minimum personnel requirement of having over five (5) years of experience in conducting topographic surveys.

16. STAFF EXPERIENCE:

	Firm Employed By: 				
	Name		Ross Wilson, PLS	Years of relevant experience with this employer	14.5
	Title		Senior Professional Land Surveyor	Years of relevant experience with other employer(s)	2
	Degree(s) / Years / Specialization		BS / 2010 / Geomatics		
	Active Registration Number / State / Expiration Date		PLS 5148 / LA / 03/31/2028; PLS in TX, MS, AR, FL, KY, TN, GA, MO Certified Federal Surveyor (CFedS 1897)		
	Year registered	2015	Discipline	Land Surveying	
Contract Role(s) / Brief Description of Responsibilities			Topographic Survey Manager		
Mr. Wilson will serve as Topographic Survey Manager during this contract, and in that role, he will supervise all field and office work performed on task orders. He will also lead the effort on estimating task orders and producing project deliverables. Mr. Wilson will be responsible for all QA/QC efforts from beginning to end of each task order, including the final project deliverables. Mr. Wilson has 13 years of experience of managing field crews and office work for on-system LADOTD Topographic Surveys, with over 9 years being the Professional Surveyor in Charge on these projects. Mr. Wilson has managed over 40 task orders under 5 separate Topographic and Right-of-Way IDIQ Contracts with LADOTD, as well as over 105 Bridge Surveys throughout Louisiana. Mr. Wilson fulfills MPR 6 of being a professional land surveyor, registered in the state of Louisiana, having a minimum of five (5) years of experience in conducting topographic surveys for DOTD as shown below.					
Experience Dates (mm/yy-mm/yy)		Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
09/25-Ongoing		Contract #OLHC BB1- O.B.2025.04.016 through O.B.2025.04.023, O.B.2025.04.049- Bridge Bundle Program- 9 OLHC Project Numbers (9 Bridge Sites), District 04, LA - Surveyor-in-Charge for topographic surveying and establishing existing Right-of-Way for 9 bridge sites on 2 lane State Highways for the Office of Louisiana Highway Construction.			
08/23 - Ongoing		Contract 4400025029- H.015547, H.015548, H.015549, H.015341, H.015551, H.015552, H.015545, H.015550, H.015544, H.015553 - Infrastructure Investment and Jobs Act (IIJA) Off-System Bridge Program - 10 State Project Numbers (13 Bridge Sites), East Baton Rouge Parish, LA - Surveyor-in-Charge for topographic surveying and Right-of-Way mapping services for 13 bridge sites on 2 lane roadways.			
12/21 - Ongoing		IDIQ Contract No. 4400021974 for Professional Surveying Services - Statewide, LA - Surveyor-in-Charge performing Topographic Surveys for LA DOTD. To date, this IDIQ contract has included a total of 9 separate Task Orders for 7 State Highway Projects. Survey tasks included establishing deep rod control monuments, Conventional Topo, Hydrographic Survey, terrestrial and mobile LiDAR Survey, Bridge Survey, and producing Existing Drainage Maps.			
06/21 - Ongoing		Contract 4400019336- H.014219, H.014222, H.014228, H.014231 and H.014236 - Rural Bridge Replacement Initiative Phase II; 5 State Project numbers (20 Bridge Sites) in Districts 04 and 05, LA - Surveyor-in-Charge for topographic surveying and right-of-way mapping services for 20 bridge sites on 2 lane rural roadways.			
08/19 - Ongoing		H.011670- I-10/Loyola Interchange Improvements, Kenner, LA - Surveyor-in-Charge providing Topographic Survey, Right- of-Way Survey, Drainage Survey, Bridge Survey, and Right-of-Way Monument Mapping. The project stretches along I-10, from the levee in Kenner to the Williams Blvd. off ramp, as well as Loyola Avenue and portions of Veterans Blvd for approximately 3.2 miles of roadway. The Survey was part of a Design-Build Project, which required weekly data updates, to allow the Design team to begin working and stay on schedule.			
08/15 - Ongoing		H.004273.5 - I-49 Connector, Lafayette Parish, LA - Survey Manager/ Surveyor-in-Charge responsible for providing topographic, terrestrial LiDAR scanning, hydrographic, Bridge Survey, and property surveying services for the I-49 Connector. The project is in a dense urban area and is approximately 5 miles long.			

03/24 - 04/24	H.015935 LA Hwy 47 Over Bayou Bienvenue- Emergency Bridge Replacement, St. Bernard/Orleans Parish, LA- Surveyor-in-Charge to provide topographic surveying for an emergency bridge replacement of the LA 47 bridge over Bayou Bienvenue. In addition to Conventional Topographic survey, Hydrographic survey of the Bayou was included. The bridge deck features and substructures were scanned through terrestrial LiDAR methods. Due to the emergency status of the project, the project was completed in a condensed timeline.
05/21 - 12/22	Contracts 4400010587 - Task Order 18; 4400015237- Task Order 1; 4400021974- Task Orders 1, 3, and 4- H.003931- Calcasieu River Bridge (HBI), Calcasieu Parish, LA - Surveyor-in-Charge for this project providing topographic survey, Mobile and Terrestrial LiDAR, Multibeam Hydrographic survey of Lake Charles, and drainage mapping. This project is in a high-traffic industrial area along I-10 and is approximately 7 miles long. This Survey included four Phases of work, which were completed within a condensed timeline, requiring up to 6 Survey Crews being mobilized in order to meet deadlines for each Phase.
06/20 - 03/22	Contract 4400017598 - H.013979, H.013995, H.013992, H.013994, H.013985, H.013954, H.013990- Rural Bridge Replacement Initiative Phase I; 7 State Project Numbers (22 Bridge Sites) in Districts 04, 05, 08 and 58, LA - Surveyor-in-Charge for topographic surveying and Right-of-Way mapping services for 22 bridge sites on 2 lane rural roadways.
11/19-12/20	H.012083 Calcasieu River Bridge Investigation, Calcasieu Parish, LA - Surveyor to provide laser scanning services for the I-10/Lake Calcasieu bridge in Lake Charles, LA. Terrestrial scans were done underneath the bridge for 10 spans on the East and West side, on top the deck to capture the superstructure, as well as from the water below to capture the sub structure. In addition to the terrestrial scans, mobile Lidar was done for future planning.
07/19-08/19	Danziger Bridge Repair Survey, Orleans Parish, LA - Surveyor responsible for establishing control near the Danziger bridge and using laser scanning methods to monitor the Danziger bridge at different stages of bridge lifts. This survey was necessary due to damage of joints, deck, and girder ends of the fixed spans on both sides of the bridge. This project included utilizing LiDAR data.
01/18 - 06/19	Contract 4400012323 - H.004100- I-10: LA 415 to Essen Lane to I-10 and I-12, East and West Baton Rouge Parishes - LADOTD- Survey Manager for topographic survey, Bridge Survey, and terrestrial LiDAR survey of approximately 5 miles of roadway along I-10 and I-12 between LSU lakes and Essen Lane. Project required Forte and Tablada, Inc. to mobilize up to 5 Survey Crews to meet phased deadlines.
10/18 - 02/19	Contract 4400010587 - Task Orders 2, 3, 4, 5, and 10- H.012343 Sunshine Bridge Repair, St. James Parish, LA - Surveyor-in-Charge responsible for establishing survey control on and near the Sunshine Bridge to use conventional and terrestrial LiDAR scanning methods to monitor the damage on the bridge. This project showcases Mr. Wilson's capability of managing emergency task orders.
05/17-10/18	Contract 4400009387- Task Orders 2 and 5- H.004791.5 Belle Chasse Bridge and Tunnel (HBI), Plaquemines Parish, LA - Surveyor-in-Charge for comprehensive topographic surveying and drainage mapping for the Belle Chase Bridge and Tunnel Replacement project for LA DOTD. Included in this work was a survey performed utilizing traditional methods, terrestrial laser scanning of roadway, bridge and tunnel features, and multi-beam hydrographic surveying of the Algiers Canal and exterior features of the existing tunnel.
03/13-07/15	H.004698 - Almonaster Avenue Lift Bridge, Orleans Parish, LA- Survey Manager responsible for performing topographic and property surveys, developing a drainage map, establishing existing Right-of-Way for the north line of I- 10, Almonaster Avenue, and CSX Railroad property, and terrestrial LiDAR scanning all bridge features. This project demonstrates Mr. Wilson's ability to fulfill the minimum personnel requirement of having over five (5) years of experience in conducting topographic surveys.

16. STAFF EXPERIENCE:

	Firm Employed By: 				
	Name	Rachel Waldroup, PLS		Years of relevant experience with this employer	11
	Title	Professional Land Surveyor		Years of relevant experience with other employer(s)	0
	Degree(s) / Years / Specialization		BS / 2020 / Environmental Science; AAS / 2015 / Civil Surveying & Mapping Technology		
	Professional Land Surveyor		PLS #5277 / LA / 09/30/2026		
	Year registered	2022	Discipline	Land Surveying	
Contract Role(s) / Brief Description of Responsibilities			Professional Land Surveyor		
Ms. Waldroup will serve as Right-of-Way Survey Manager. In this role she will supervise all field and office work performed on task orders with additional required Right-of-Way. She will also lead the effort of estimating Right-of-Way tasks and producing project deliverables. Ms. Waldroup has over 6 years of experience working on on-system LADOTD Topographic and Right-of-Way Surveys, with 3 years being a Professional Surveyor on these projects. She has worked on over 30 on-system LADOTD Surveys, including both Topographic and Right-of-Way work.					
Experience Dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).				
09/25 - Ongoing	Contract #OLHC BB1- O.B.2025.04.016 through O.B.2025.04.023, O.B.2025.04.049- Bridge Bundle Program- 9 OLHC Project Numbers (9 Bridge Sites), District 04, LA - Surveyor for topographic surveying and establishing existing Right-of-Way for 9 bridge sites on 2 lane State Highways for the Office of Louisiana Highway Construction.				
04/24 - Ongoing	IDIQ Contract No. 4400027919 for Professional Surveying Services - Statewide with Majority of Work in Districts 02, 61, and 62 - Surveyor-In-Charge performing property surveys, establishing existing Right-of-Way, Right-of-Way maps and title take-offs for LA DOTD. Under this contract, a total of 7 task orders have been executed. This contract showcases Ms. Waldroup's familiarity with the process of managing an LADOTD Survey IDIQ Task Order from beginning to end.				
08/23 - Ongoing	H.015547, H.015548, H.015549, H.015341, H.015551, H.015552, H.015545, H.015550, H.015544, H.015553- Infrastructure Investment and Jobs Act (IIJA) Off-System Bridge Program- 10 State Project Numbers (13 Bridge Sites) District 61 (4400025029) -Surveyor for topographic surveying and Right-of-Way mapping services that included title take-offs, field investigations to survey property boundary evidence, boundary analysis, existing right of way location determination and right of way mapping. The condensed timeline of the projects required that multiple crews be mobilized weekly to stay on schedule.				
09/21 - Ongoing	IDIQ Contract No. 4400021532 for Professional Surveying Services - Statewide with Majority of Work in Districts 03 and 07 - Surveyor/Surveyor-In-Charge performing property surveys, establishing existing Right-of-Way, Right-of-Way maps and title take-offs for LA DOTD. Under this contract, a total of 24 task orders have been executed. This contract showcases Ms. Waldroup's familiarity with the process of managing an LADOTD Survey IDIQ Task Order from beginning to end.				
06/21 - Ongoing	H.014219, H.014222, H.014228, H.014231 and H.014236 - Rural Bridge Replacement Initiative Phase II; 5 State Project numbers (20 Bridge Sites) in Districts 04 and 05 (4400019336) - Survey CAD Technician and Surveyor for topographic surveying and Right-of-Way mapping services that included title take-offs, field investigations to survey property boundary evidence, boundary analysis, existing right of way location determination and right of way mapping.				
03/21 - Ongoing	MOVEBR (20-EN-HC-0003) Florida Blvd. Corridor Enhancement - East Baton Rouge Parish, LA - Survey CAD Technician / Survey Manager for this project providing topographic surveying, drainage mapping, and Right-of-Way services. This project is in a dense urban area and is approximately 4 miles long. Forte and Tablada completed mobile LiDAR services for much of the congested corridor as a means of obtaining topographic data without endangering surveyors.				

16. STAFF EXPERIENCE:

	Firm Employed By: 				
	Name		Trenton Iglehart	Years of relevant experience with this employer	3
	Title		Senior CAD Technician	Years of relevant experience with other employer(s)	27
	Degree(s) / Years / Specialization		N/A		
	Active Registration Number / State / Expiration Date		PLS 5277 / LA / 09/30/2026		
	Year registered	N/A	Discipline	FAA Certified Remote Pilot - 4227009	
Contract Role(s) / Brief Description of Responsibilities			Hydrographic Task Manager		
Ms. Waldroup will serve as Right-of-Way Survey Manager. In this role she will supervise all field and office work performed on task orders with additional required Right-of-Way. She will also lead the effort of estimating Right-of-Way tasks and producing project deliverables. Ms. Waldroup has over 6 years of experience working on on-system LADOTD Topographic and Right-of-Way Surveys, with 3 years being a Professional Surveyor on these projects. She has worked on over 30 on-system LADOTD Surveys, including both Topographic and Right-of-Way work.					
Experience Dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).				
02/25 - 03/25	Myrtle Grove QA Investigation and Post Dredge Surveys, Plaquemines Parish, LA - Hydrographic Task Manager for project consisting of a Singlebeam Hydrographic investigative QA survey of 5 miles of canals and a full post dredge survey of 250 cross sections over 5 miles of canals in Plaquemines Parish for Plaquemines Parish Government.				
10/24	LADOTD Underwater Bridge Inspections (4400019121)- H.009730 Wax Lake Outlet US190 Bridge - Hydrographic Task Manager for project consisting of a Multibeam Hydrographic survey for Underwater Bridge Inspection.				
09/24 - 03/25	Amite River Sediment Removal - Hydrographic Task Manager for this project consisting of 34 miles of Multibeam Hydrographic Surveys for the Amite River from Port Vincent to Lake Maurepas. This survey was performed for the purpose of sediment stacking analysis and locating potential dredge sites.				
11/24 - 04/25	CPRA MID Barataria Access Dredge Route - Hydrographic Task Manager for this project consisting of 9 miles of Singlebeam Hydrographic Surveys for pre and post dredge QA for design compliance and volumetrics.				
06/24 - 09/24	Amite River Basin Commission Master Plan - Hydrographic and Topographic Task Manager for this project consisting of strategic Singlebeam Hydrographic Cross sections over 115 miles of the Amite River and Multibeam Hydrographic survey of the Amite River Weir for the Master Hydraulic model of the River Basin. Tasks also included the compiling of historic surveys dating back to 1980 for analysis.				
03/24 - 04/24	H.015935 LA Hwy 47 Over Bayou Bienvenue- Emergency Bridge Replacement, St. Bernard/Orleans Parish, LA - Hydrographic Task Manager to provide topographic surveying for an emergency bridge replacement of the LA 47 bridge over Bayou Bienvenue. In addition to Conventional Topographic survey, Hydrographic survey of the Bayou was included. The bridge deck features and substructures were scanned through terrestrial LiDAR methods. Due to the emergency status of the project, the project was completed in a condensed timeline.				
07/23 - 12/23	La46 Over Bayou La Loutre - Recall No.002650 (Yscloskey Bridge Investigation Survey), St. Bernard Parish, LA - Hydrographic Task Manager for field data collection and processing for all Hydrographic survey data. This project consisted of Topographic, Monitoring and Multibeam Hydrographic surveys for the purposes of engineering and inspection.				

16. STAFF EXPERIENCE:



Firm Employed By:  **FORTE & TABLADA**

Name	Blake Bonnette	Years of relevant experience with this employer	8
Title	Task Lead - Aerial/Mobile LiDAR	Years of relevant experience with other employer(s)	1.5
Degree(s) / Years / Specialization	South Louisiana Community College / Lafayette / 2015		
Active Registration Number / State / Expiration Date	PLS 5277 / LA / 09/30/2026		
Year registered	N/A	Discipline	FAA Certified Remote Pilot - 4077681

Contract Role(s) / Brief Description of Responsibilities Hydrographic Task Manager

Mr. Bonnette will serve as Task Lead for Aerial and Mobile LiDAR performed on this project, and in that role, he will supervise all field and office work performed for these tasks. He will also lead the effort on estimating LiDAR tasks within task orders and providing extracted data to be integrated into the Final Topographic Survey files. Mr. Bonnette has 9.5 years of experience capturing, processing, and managing LiDAR projects. Projects have included Terrestrial, Mobile and Aerial LiDAR.

Experience Dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
02/25- Ongoing	Contract 4400021974- Task Order 13- H.016278- US 167: Median Improvements- Vermilion Parish, LA- Mobile LiDAR Project Lead to provide topographic and Mobile LiDAR surveying for a maiden improvements of the US 167. The survey included over 2 miles along a divided 4 lane highway in a rural area.
01/16-Ongoing	H.004273.5 - I-49 Connector - Lafayette Parish, LA - LA DOTD - LiDAR technician responsible for providing terrestrial LiDAR survey of roadway features for the I-49 Connector. The project is in a dense urban area and is approximately 5 miles long. Forte and Tablada, Inc. completed terrestrial LiDAR scanning services for much of the congested corridor as a means to obtaining topographic data without endangering surveyors.
03/2024	H.015935 LA Hwy 47 Over Bayou Bienvenue- Emergency Bridge Replacement, St. Bernard/Orleans Parish, LA- LiDAR Project Lead to provide topographic surveying for an emergency bridge replacement of the LA 47 bridge over Bayou Bienvenue. In addition to Conventional Topographic survey, Hydrographic survey of the Bayou was included. The bridge deck features and substructures were scanned through terrestrial LiDAR methods. Due to the emergency status of the project, the project was completed in a condensed timeline.
01/23- 01/24	Contract 4400021974- Task Order 2- H.014218 US190-Livingston Parish Line - East Baton Rouge Parish, LA- Mobile LiDAR Project Lead responsible for planning and execution of performing Mobile LiDAR and extraction for project providing topographic survey. This project is in a dense urban area and is approximately 4 miles long. The purpose of the project is to complete a road overlay and drainage improvements. Mobile LiDAR was utilized, throughout the project, as a means to obtaining topographic data without endangering surveyors.
10/22 -12/22	Lafayette Streetscape Survey- Congress Street, Lafayette Parish, LA - Mobile LiDAR Project Lead responsible for planning and execution of performing Mobile LiDAR and extraction for approximately a mile of roadway along Congress Street. This survey included mobile LiDAR scanning of all roadway features as a means of obtaining topographic data without endangering surveyors.
05/21-12/22	Contracts 4400010587- Task Order 18; 4400015237- Task Order 1; 4400021974- Task Orders 1, 3, and 4- H.003931- Calcasieu River Bridge (HBI) - Calcasieu Parish, LA- Mobile LiDAR Project Lead responsible for Mobile LiDAR acquisition and Mobile LiDAR extraction efforts. project is in a high-traffic industrial area along I-210 and is approximately 7 miles long. Forte and Tablada completed Mobile LiDAR scanning services for much of the corridor as a means of obtaining topographic data without endangering surveyors. The Survey also included Multibeam Hydrographic survey of Lake Charles, and Terrestrial LiDAR scanning of bridge substructures.

16. STAFF EXPERIENCE:

	Firm Employed By:  LAZENBY & ASSOCIATES, INC.				
	Name	Paul Fryer, PE, PLS		Years of relevant experience with this employer	40
	Title	Senior Vice President		Years of relevant experience with other employer(s)	2
	Degree(s) / Years / Specialization		BS / 1984 / Civil Engineering		
	Active Registration Number / State / Expiration Date		PLS#4806 / LA / 09.30.2027 PE#23426 / LA / 09.30.2027		
	Year registered	1987 1987	Discipline	Civil Engineering	
Contract Role(s) / Brief Description of Responsibilities		Surveying & Mapping Meets MPR 7			
Paul has over 40 years of experience in planning, surveying, designing, inspecting and construction administration of transportation facilities. He is familiar with LADOTD and AASHTO design standards for roadway design and plan development. Paul has performed professional engineering and land surveying services on a variety of projects involving line and grade studies, major investment studies, location and Stage "O" studies as well as topographic surveys, property surveys, development of ROW maps. He also has extensive experience in developing preliminary and final roadway plans on a variety of LADOTD projects and has served in a QA-QC role on many different projects throughout his career.					
Experience Dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).				
10/07 - 04/16	State Project No. H.002622: Arkansas Road (LA 616), Ouachita Parish, LA This project consisted of widening a 3.2-mile segment of LA 616 from two lanes with open ditches to five lanes with subsurface drainage. Paul served as project manager, was responsible for QA-QC of the plans, and was surveyor in charge of Right-of-Way maps.				
07/10 - 05/18	State Project No. H.003854: Bossier North-South Corridor Roadway and Bridges (I-220/Swan Lake Road Interchange to Crouch Road), Bossier Parish, LA This project consisted of the reconstruction and realignment of a 3.7-mile section of Swan Lake Road and construction of a new 4.2-mile roadway connecting Swan Lake Road and Crouch Road and included two bridge structures. Paul served as project manager, was responsible for QA-QC of the plans, and was the surveyor in charge of Right-of-Way maps.				
02/18 - Ongoing	State Project No. H.007300: Kansas Lane - Garrett Road Connector and I-20 Improvements, Ouachita Parish, LA This project consists of widening Garrett Road from two lane to four lanes and construction of a new connector roadway from Garrett Road to Kansas Lane. The project includes five multi-lane roundabouts, ramp modifications of the I-20/Garrett Road interchange, a new overpass structure over I-20, and a new overpass structure over Millhaven Road (LA 594) and the adjacent KCS railroad tracks, lighting, and traffic signal work at the intersection of Kansas Lane and Millhaven Road. Paul served as project manager, is responsible for QA-QC of the roadway plans, and prepared Right-of-Way maps for the project.				
05/08 - 05/12	State Project No. H.004780: Kansas Lane Extension (Route US 80 to Route US 165) City of Monroe Urban Systems, Ouachita Parish, LA Paul served as project manager and surveyor responsible for conducting property surveys, and developing Right-of-Way maps as a sub-consultant to Denmon Engineering Co., Inc. This project involves construction of a four-lane urban arterial route around the University of Louisiana at Monroe connecting US 80 on the south end and US 165 on the northern end.				
11/10 - 05/13	Project Surveyor for Contract No. 4400000685: Retainer Contract for Professional Surveying Services, Statewide, LA This retainer contract authorized 23 task orders for topographic surveys, property surveys and ROW maps over a 3-year period. Paul served as the Project Manager and performed QA/QC for this contract.				
03/08 - 04/11	Project Surveyor on Contract No. 4400000638: Retainer Contract for Professional Surveying Services - Statewide, LA This retainer contract authorized 15 task orders for topographic surveys, property surveys and ROW maps over a 3-year period. Paul served as the Project Manager and performed QA/QC for this contract.				

11/11 - 01/15	Project Surveyor on Contract No. 4400001328: Retainer Contract For Professional Surveying Services, Statewide, LA This retainer contract authorized 25 task orders for topographic surveys, property surveys and ROW maps over a 3-year period. Paul served as the Project Manager and performed QA/QC for this contract.
03/18 - 03/23	Project Surveyor on Contract No. 4400012667: Retainer Contract For Professional Surveying Services, Statewide, LA This retainer contract authorized 25 task orders for topographic surveys, property surveys and ROW maps over a 5-year period. Paul served as the Project Manager and performed QA/QC for this contract.
08/22 - Ongoing	US 165 Turn Lanes at Scott Drive, Ouachita Parish, LA Paul provided a QA-QC review of the roadway plans and contract documents for this project, which consisted of adding a left and right turn lane on US 165 and traffic signal modifications at Scott Drive in Sterlington, Louisiana. This project was funded by LADOTD through Ouachita Parish School Board.
08/23 - Ongoing	State Contract No. 4400025025, District 05: IJA Off-System Bridge Replacement Program Paul is providing QA-QC reviews of the various plan submittals for ten (10) off-system bridge projects in LADOTD District 05 under this contract. He is responsible for performing the property surveys and preparing the Right-of-Way Maps for this contract. The projects included in this contract are as follows: State Project No. H.015337 - Mineral Springs Road Over Clark Creek, Ouachita Parish State Project No. H.015453 - Hale Road Over Alligator Bayou, West Carroll Parish State Project No. H.015454 - Keppler Creek Road Over Sugar Creek, Jackson Parish State Project No. H.015455 - Spring Creek Road Over Wafer Creek, Lincoln Parish State Project No. H.015456 - Hodge Road Over Cypress Bayou, Madison Parish State Project No. H.015459 - Lapine Road Over Rogers Creek, Ouachita Parish State Project No. H.015460 - Little Road Over Creek, Rapides Parish State Project No. H.015461 - Fire Tower Road Over Rock Creek, Union Parish State Project No. H.015462 - Pilgrims Rest Church Road Over Steep Bank Creek, Union Parish State Project No. H.015463 - White Oak Landing Over Edmonds Creek, Union Parish Most of these projects have reached the final preliminary plan stage and are awaiting environmental clearance.

16. STAFF EXPERIENCE:

	Firm Employed By:  LAZENBY & ASSOCIATES, INC.				
	Name		Ronald Riggins, II, PE, PLS	Years of relevant experience with this employer	14
	Title		Project Surveyor	Years of relevant experience with other employer(s)	6
	Degree(s) / Years / Specialization		BS / 2006 / Civil Engineering		
	Active Registration Number / State / Expiration Date		PLS#5119 / LA / 03.31.2027 PE#36016 / LA / 03.31.2027		
	Year registered	2014 2011	Discipline	Land Surveying Civil Engineering	
Contract Role(s) / Brief Description of Responsibilities		Surveying & Mapping			
Ronald is familiar with the requirements of the LADOTD Location and Survey Section for conducting topographic surveys, property surveys and hydrographic surveys. He is responsible for quality control of all survey data obtained by survey crews in conducting topographic surveys, property surveys, and hydrographic surveys. Ronald has over five years of experience in conducting and performing topographic surveys, property surveys, and developing Right-of-Way maps.					
Experience Dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).				
07/14 - 06/16	Retainer Contract No. 4400003471 - Retainer Contract for Professional Surveying Services, Statewide, LA Project Surveyor responsible for coordination and supervision of survey field crews performing topographic surveys and property surveys on 14 Task Orders for an accumulated value of \$436,473.00 for LADOTD State Projects at various locations in northern Louisiana.				
10/14 - 06/17	Retainer Contract No. 4400004541 - Retainer Contract for Professional Surveying Services, Statewide, LA Project Surveyor responsible for coordination and supervision of survey field crews performing topographic surveys and property surveys on 8 Task Orders for an accumulated value of \$811,513.00 for LADOTD State Projects at various locations in Louisiana.				
04/13 - 06/16	Project Surveyor for Contract No. 4400002862, S.P. # H.008768 - Hydrographic Survey Monitoring of Existing Bridges - Statewide, LA (North Region) Performed hydrographic surveys on 14 Task Orders for monitoring scour at major bridge sites in north Louisiana. Duties included supervision of survey crews, analysis of survey data, and the development of required hydrographic survey reports at the various bridge locations.				
04/14 - Present	Professional Surveyor of Record for developing topographic surveys and Property Surveys for private clients on residential developments and commercial developments in Ouachita Parish and northern Louisiana. Professional Engineer of Record for the overall design of residential and commercial developments.				
03/15 - 08/17	State Project No. H.011742: Ole Highway 15 Improvements, Ouachita Parish Ronald performed a topographic survey of a 2.2-mile section of Ole Hwy 15 from US 80 to LA 616 and then was the project engineer responsible for roadway design. This project consisted of pavement reconstruction under the LADOTD Urban Systems program. (Note that we typically perform a full topo survey, within existing Right-of-Way, on pavement preservation projects on Ouachita Parish roadways. This is not typically done for LADOTD on-system pavement preservation projects.)				
05/16 - 02/18	Project Surveyor on the Steep Bayou Sewer Main project of the West Ouachita Sewerage District No. 5 Ronald performed a topographic survey of the alignment for a sewer main trunk line from I-20 to New Natchitoches Road along Steep Bayou in Ouachita Parish. He also conducted a boundary survey of the Right-of-Way parcels along this route and developed the necessary ROW maps and legal descriptions.				

Ronald Riggin, II, PE, PLS resume continued

09/18 - 01/23	Retainer Contract No. 4400012668 - Retainer Contract for Professional Surveying Services, Statewide, LA (North Region) Performed hydrographic surveys on major bridge structures in northern Louisiana for monitoring channel scour. Duties included supervision of field crews, analysis of survey data and development of required hydrographic survey reports at the various bridge locations for submission to the LADOTD.
12/18 - 02/19	State Project No. H.013802: Garrett Road, Ouachita Parish, LA Ronald was responsible for supervision and scheduling of field survey crews, analysis of survey data, and development of field roll for use in project design. This project consisted of a mill, patch, and overlay of a 0.4-mile segment of roadway from LA 15 to Austin Street under the LADOTD Urban Systems program.
01/19 - 04/19	State Project No. H.013804: Wall Williams Road, Ouachita Parish, LA Ronald was responsible for supervision and scheduling of field survey crews, analysis of survey data, and development of field roll for use in project design. This project consisted of segments of mill, patch, and overlay and segments of reconstruction of a 1.6-mile segment of roadway from Good Hope Road to LA 143 under the LADOTD Urban Systems program.
04/19 - 07/19	State Project No. H.014348: Lee Avenue, City of Monroe, Ouachita Parish, LA Ronald was responsible for supervision and scheduling of field survey crews, analysis of survey data, and development of field roll for use in project design. This project consisted of a mill, patch, and overlay of a 1.2-mile segment of roadway from Jackson Street to Standifer Avenue under the LADOTD Urban Systems program.
07/19 - 09/19	State Project No. H.013796: Tanglewood Drive, Ouachita Parish, LA Ronald was responsible for supervision and scheduling of field survey crews, analysis of survey data, and development of field roll for use in project design. This project consisted of roadway reconstruction a 0.3-mile segment of roadway from LA 15 to Dellwood Drive under the LADOTD Urban Systems program.

16. STAFF EXPERIENCE:

	Firm Employed By:  LAZENBY & ASSOCIATES, INC.				
	Name		Jerry Lazenby, PE, PLS	Years of relevant experience with this employer	45
	Title		President	Years of relevant experience with other employer(s)	16
	Degree(s) / Years / Specialization		BS / 1965 / Civil Engineering		
	Active Registration Number / State / Expiration Date		PLS#2313 / LA / 03.31.2028 PE#12104 / LA / 03.31.2028		
	Year registered	1970 1970	Discipline	Land Surveying Civil Engineering	
Contract Role(s) / Brief Description of Responsibilities		Surveying & Mapping			
Jerry has over 60 years of experience in planning, surveying, designing, inspecting, and construction administration of transportation facilities. The first 9 years of his career were spent with the U.S. Bureau of Public Roads/Federal Highway Administration at various locations in the United States as a Highway Engineer reviewing and assisting state highway officials with transportation projects utilizing Federal-Aid transportation funding from project inception through construction. Jerry has designed and supervised numerous projects for LADOTD over the past 45 years. He has been responsible for the firm's growth as well as the reputation of the firm. He has instilled in each member of the firm to provide a professional product and to deliver on time.					
Experience Dates (mm/yy-mm/yy)		Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
07/10 - 12/13		State Project No. H.003854: Bossier North-South Corridor Roadway and Bridges (I-220/Swan Lake Road Interchange to Crouch Road), Bossier Parish, LA Jerry was Principle-in-Charge and performed QA-QC reviews of the plans. On this project, Lazenby & Associates developed topographic surveys, property surveys, Right-of-Way maps, preliminary roadway and bridge plans and final roadway and bridge plans along a 7.8-mile corridor being developed as an Urban Systems Project by the Bossier Parish Police Jury.			
12/07 - 05/16		State Project No. H.002622: Arkansas Road (LA 616), Ouachita Parish, LA Jerry was Principle-in-Charge, Project Manager, and performed QA-QC reviews of the plans. On this project, Lazenby & Associates performed topographic surveys, property surveys and developed Right-of-Way maps, preliminary roadway plans and final roadway plans for the widening of a 3.2-mile section of LA 616 from a two-lane rural roadway section to a five-lane urban roadway section including four multi-lane roundabouts. The project also included the hydraulic analysis of an existing timber bridge site in which the bridge was replaced with a reinforced concrete box culvert.			
09/17 - 03/26		State Project No. H.007300: Kansas Lane - Garrett Road Connector and I-20 Improvements, Ouachita Parish, LA Jerry is Principle-in-Charge. On this project, Lazenby & Associates performed topographic surveys, developed preliminary roadway plans, and is currently developing final roadway plans for the widening of a section of Garrett Road to a four-lane arterial route with five multi-lane roundabouts. The project includes ramp modifications of the I-20/Garrett Road interchange, five (5) multilane roundabouts, a new overpass structure over I-20, a new overpass structure over Millhaven Road (LA 594) and the adjacent KCS railroad tracks, lighting, and traffic signal work. The project also includes design and development of subsurface drainage plans to improve drainage within the project area. Final plans are currently 98% complete.			
10/14 - 06/17		State Contract No. 4400004541: Retainer Contract for Professional Surveying Services, Statewide, LA Jerry was Principle-in-Charge responsible for 8 Task Orders to perform topographic surveys on various LDOTD projects in Louisiana.			
01/17 - 01/20		State Contract No. 4400009384: Retainer Contract for Professional Surveying Services, Statewide, LA Jerry was Principle-in-Charge responsible for 6 Task Orders to perform topographic surveys on various LDOTD projects in Louisiana.			
10/19 - 02/24		State Contract No. 4400015236: Retainer Contract for Professional Surveying Services, Statewide, LA Jerry was Principle-in-Charge responsible for 15 Task Orders to perform topographic surveys on various LDOTD projects in Louisiana.			

10/20 - Ongoing	State Contract No. 4400017710: Retainer Contract for Professional Surveying Services, Statewide, LA Jerry is Principle-in-Charge responsible for this contract, which thus far has contained 2 Task Order to perform a topographic survey on S.P.N. H.015052.5: I-20 Widening & Improvements (Vancil to LA 34) in Ouachita Parish and a topographic survey on S.P.N. H.015640.5: LA 150 - LA 818 Roundabout in Lincoln Parish.
08/23 - Ongoing	State Contract No. 4400025025, District 05: IJJA Off-System Bridge Replacement Program Jerry is Principle-in-Charge responsible for the replacement of structurally deficient bridge structures for ten (10) off-system bridge projects in LDOTD District 05 under this contract. He is also providing QA-QC reviews of the roadway and bridge plans. The projects included in this contract are as follows: State Project No. H.015337 - Mineral Springs Road Over Clark Creek, Ouachita Parish State Project No. H.015453 - Hale Road Over Alligator Bayou, West Carroll Parish State Project No. H.015454 - Keppler Creek Road Over Sugar Creek, Jackson Parish State Project No. H.015455 - Spring Creek Road Over Wafer Creek, Lincoln Parish State Project No. H.015456 - Hodge Road Over Cypress Bayou, Madison Parish State Project No. H.015459 - Lapine Road Over Rogers Creek, Ouachita Parish State Project No. H.015460 - Little Road Over Creek, Rapides Parish State Project No. H.015461 - Fire Tower Road Over Rock Creek, Union Parish State Project No. H.015462 - Pilgrims Rest Church Road Over Steep Bank Creek, Union Parish State Project No. H.015463 - White Oak Landing Over Edmonds Creek, Union Parish Most of these projects have reached the final preliminary plan stage and are awaiting environmental clearance.

16. STAFF EXPERIENCE:

**Subsurface Utility Engineering
& Utility Relocation**

16. STAFF EXPERIENCE:



Firm Employed By:



Name	Joshua Renard, PE		Years of Relevant Experience with this Employer	19
Title	Project Manager / Technical Director		Years of Relevant Experience with Other(s) Employers	1
Degree(s) / Years / Specialization		BS / 2006 / Civil Engineering		
Active Registration Number / State / Expiration Date		PE# 36015 / LA / 03.31.2027		
Year Registered	2011	Discipline	Civil Engineering Meets MPR 8	

Joshua will lead subsurface utility engineering (SUE) and utility relocation support services necessary to identify, avoid, and relocate utilities, working alongside DMRP and Horrocks. He will oversee all SUE Quality Levels (A-D), ensuring accurate utility mapping. Joshua will also manage utility coordination and develop utility conflict matrices. Additionally, he will coordinate with utility owners and regulatory agencies to plan and execute utility relocations in accordance with project timelines and requirements. His extensive experience in subsurface utility investigations ensures effective management of utility-related aspects of the project, minimizing risks and maintaining project timelines.

Experience Dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
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10/16 - 12/20

I-10: Highland to LA 73 Design-Build Project, East Baton Rouge and Ascension Parish, LA (H.009250)

Utility Coordinator. Joshua served as the utility coordinator for this interstate design build project. He communicated with and gathered information from utility owners to ensure that the road was designed and the contractor could proceed without conflict. Joshua coordinated efforts to have telecommunications, water, and gas lines marked in the field and then led efforts to have Level A test holes performed to ensure a successful no-conflict design.

01/22 - Ongoing

LA 408: Hooper Road (Blackwater Bayou to Joor Road) East Baton Rouge Parish, LA (H.002316/CP#12-CS-HC-0017)

Project Manager. Joshua was the project manager for the four-lane road widening project in the city of Central. This two-mile rural road includes a new two-lane roundabout and accommodates pedestrians, bicyclists and vehicles. His responsibilities included roadway and drainage design, plan preparation, utility coordination, and SUE services including QL-B designations and QL-A locates.

05/20 - Ongoing

SECTION 17 PROJECT

I-10: LA 415 to Essen Lane on I-10/I-12 (CMAR), E. Baton Rouge Parish, LA (H.004100)

SUE Project Engineer. Joshua designed the utility duct bank plans to relocate critical existing and new fiber optic and electrical power infrastructure. This immediate relocation served necessary for the fast upcoming I-10 widening project from LA 415 through Essen Lane.

02/24 - Ongoing

Saline Bayou Relief & Mill Cr. Brs. Water Lines Locate & Design - SUE, Winn Parish, LA - Utility Coordination, QL-A through D Locates, & Relocation Plans

Project Manager. Waggoner is locating existing water lines and preparing relocation plans for 3 bridge sites on LA 126 over Saline Bayou, Mill Creek and Cypress Creek in Winn Parish, LA. Josh obtained as-builts, and performed QL-B and QL-A SUE services at each site. He is the engineer of record for the utility relocation plans.

2019 - Ongoing

MOVEBR Program- Lead Utility Coordinator, EBR Parish, LA

Joshua serves as the main point of contact for all utility companies on 50+ Enhancement Projects on the MOVEBR transportation, road, and traffic program. He is leading the effort to create the Utility Coordination Process and Design Guidelines for Designers- Utility Section. He will serve in this role during both the design and construction phase for the program. He will also utilize SUE where appropriate to gain pertinent location information for design efforts. He will also work to ensure that relocations are successful and will resolve utility conflicts encountered during construction.

Joshua Renard resume continued

2017 - 2018	LA 675 & LA 87 Improvements - SUE Services, New Iberia, LA (H.011781) Project Manager. Joshua served as the project manager for this LADOTD project, which included Level A through D underground utility location work as well as video inspection of sewer mainlines and LAlaterals along a one mile section of Hopkins Street in New Iberia, LA. Under his guidance Waggoner located utilities through Quality Level A-D. His responsibilities included coordination with utility companies and local government representatives to obtain as-built drawings, meeting with LADOTD representatives, design engineers, surveyors and subcontractors to coordinate the location work, providing valuable utility location information to the design team.
2018 - 2019	Subsurface Utility Engineering Causeway Blvd at Earhart, Jefferson Parish, LA Joshua managed this utility location project for LADOTD. The primary goal of this project was to locate sewer, water, and fiber lines to provide LADOTD's design team with sufficient information to adjust their design to miss the utilities or have the utilities relocated. Waggoner located utilities through all Quality Levels. He coordinated with utility owners and Waggoner's locating crew to identify, locate, and mark the utilities, as well as coordinated with Waggoner's survey team to have the lines surveyed. Based on the location crew's fieldwork he helped develop a final plan set as well as a Utility Owner Contact List and a Utility Conflict Matrix for delivery to LADOTD.
2015 - 2017	Jones Creek Road (Coursey to Tiger Bend), East Baton Rouge Parish, LA Joshua worked directly for the City of Baton Rouge resolving construction and utility related issues in a timely manner during the construction phase of this project. This included gravity & force main sewer installation, roadway drainage installation, concrete pours, traffic lane switching, and signage. He served as the main point of contact for all utility coordination efforts and successfully managed this charge through the completion of the project.
2019	Subsurface Utility Engineering I-220/I-20 Interchange & BAFB Access Design-Build, Bossier Parish, LA (H.003370) Joshua coordinated with multiple utilities affected by this project. He was able to obtain detailed information on the size, type and location of the utilities in conflict or potential conflict with construction activities. These included abandoned pipelines, active fiber optic lines, buried cables with unknown ownership, and multiple utilities within KCS Railroad right of way. Joshua then led the SUE team in obtaining level A location information for these utilities.
2019	Subsurface Utility Engineering Leesville Roundabout, Vernon Parish, LA (H.011909) Project Manager. Joshua served as the project manager for this LADOTD project, which included Level A through D underground utility location at the intersection of Boone Street and US 171 in Leesville, LA. Under his guidance Waggoner located utilities through Quality Level A-D. His responsibilities included coordination with utility companies and local government representatives to obtain as-built drawings, meeting with LADOTD representatives, design engineers, surveyors and subcontractors to coordinate the location work, providing valuable utility location information to the design team. He was also responsible for traffic control plan development, Level A field investigations, SUE plan development, and utility conflict matrix preparation.

16. STAFF EXPERIENCE:

	Firm Employed By:  DRMP				
	Name	Randy Tompkins, PSM, PLS, PS		Years of Relevant Experience with this Employer	9
	Title	Senior Project Manager		Years of Relevant Experience with Other(s) Employers	18
	Degree(s)/Years/Specialization		BS / 1999 / Geomatics		
	Active Registration Number / State / Expiration Date		PSM #6503 / FL / 02.28.2027 PLS #0005285 / LA / 03.31.2027		
	Year Registered	2021	Discipline	Survey	
Contract Role(s)/Brief Description of Responsibilities			SUE		
Randy Tompkins, PSM, PLS, PS, serves as a Senior Project Manager for DRMP's Survey and Mapping/Geospatial Market Sector. He has managed a wide variety of surveying and mapping projects for multiple public-sector clients including the US Army Corps of Engineers (USACE), US Navy Facilities Command (NAVFAC), US Marine Corps, US Fish & Wildlife, US Coast Guard, US Forest Service, Department of Defense Education Activity (DoDEA), US Space Force, US Air Force, Department of Homeland Security, Florida Department of Environmental Protection, and JEA (NE Florida Regional Utility). He also has extensive experience in subsurface utility engineering, geodetic control surveys, Right-of-Way, boundary, topographic, hydrographic, asbuilt, asset, GIS, and quantity surveys.					
Experience Dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).				
06/17 - 05/18	Belle Terre Corridor Intersection Improvements, City of Palm Coast, Flagler County, FL: Project Surveyor on this design surveying services for nine intersections in the City of Palm Coast. Eight intersections were along the Belle Terre corridor and one was on US 1 at Wellfield Drive. Services included horizontal and vertical control, recovery of the corridor alignment, and Right-of-Way, topographic 3D survey with a full digital terrain model of the project corridor. Subsurface Utility Engineering (SUE) to designate utilities along the project corridor. SUE Locates (VVH's) (soft digs) to verify exact location of utilities. Project deliverables included MicroStation design files.				
08/19 - 09/19	Helen Cooper Floyd Park, City of Jacksonville, Duval County, FL: Project Manager for a 25-acre Mean High Water (Tidal) boundary survey on this peninsula bounded by the St. Johns River, Intracoastal Waterway, Chicopit Bay, and Florida SR A1A. DRMP provided professional surveying and mapping services for the City of Jacksonville and the US Navy Facilities Command, South East. The research included reviewing the Original Government Land Office plats and surveyors' notes from 1833, the plat of Mayport, Dated 1910 and recorded in Plat Book 3, Page 65, plat of the Intracoastal Waterway, Dated 1931, deeds recorded in the Duval County records dating back to the 1950s when the United States of American performed Adverse Possession, Deeds or Agreements Recorded in the Public Records of the State of Florida Archives and Florida Department of Transportation Right-of-Way Maps from 1951. Services included a Water Boundary Survey, since several of the boundary lines were based in tidal waters, an ALTA/NSPS Land Title Survey, and coordination with the FDEP.				
05/20 - 10/20	Professional Surveying Services for P-505 Electrical Hardening and Black Start CHP, MCAS Beaufort, SC, Naval Facilities Command (NAVFAC), Mid-Atlantic: Project Surveyor for this 17-mile Route Survey to support the Design of New Underground Electrical Infrastructure for Marine Corps Air Station Beaufort. Mr. Tompkins was responsible for managing all Surveying activities for Topographic and Subsurface Utility Engineering Designation (SUE). The project included approximately 28 miles of control leveling, 12 miles of Mobile LiDAR Collection, data collection on active high-security airplane tarmac and runway and setting permanent survey control points. Project Control was referenced to South Carolina State Plane Coordinate System, North American Datum of 1983, Adjustment 2011 (NAD83(2011)) and North American Vertical Datum of 1988 (NAVD88). Deliverables included AutoDesk Civil 3D 2020 in NAVFAC CAD Standards. The Subsurface utility engineering tasks included utility designation (CI/ASCE 38-02 QL-B) for 12 of the 17 miles. More than 341,000-LF of underground utilities were mapped to support the design effort.				

Randy Tompkins, PSM, PLS, PS, continued

05/20 - 10/20	Professional Surveying Services for P-505 Electrical Hardening and Black Start CHP, MCAS Beaufort, SC, Naval Facilities Command (NAVFAC), Mid-Atlantic: Project Surveyor for this 17-mile Route Survey to support the Design of New Underground Electrical Infrastructure for Marine Corps Air Station Beaufort. Mr. Tompkins was responsible for managing all Surveying activities for Topographic and Subsurface Utility Engineering Designation (SUE). The project included approximately 28 miles of control leveling, 12 miles of Mobile LiDAR Collection, data collection on active high-security airplane tarmac and runway and setting permanent survey control points. Project Control was referenced to South Carolina State Plane Coordinate System, North American Datum of 1983, Adjustment 2011 (NAD83(2011)) and North American Vertical Datum of 1988 (NAVD88). Deliverables included AutoDesk Civil 3D 2020 in NAVFAC CAD Standards. The Subsurface utility engineering tasks included utility designation (CI/ASCE 38-02 QL-B) for 12 of the 17 miles. More than 341,000-LF of underground utilities were mapped to support the design effort.
04/19 - 07/19	Professional Surveying Services for JEA 099-18 US 1 Bartram and St. Johns Forest WTP, Mott MacDonald for JEA, Flagler County, FL: Project Surveyor for this 17,500-LF Route to support the design of a new 24-inch Water Main. Mr. Tompkins was responsible for managing all surveying activities for topographic and subsurface utility designation. The project included 6+ miles of control leveling, crossing 1320 feet of tidal creek bottom, wetlands, soil borings, Railroad Right-of-Way crossing, and Interstate 95 Crossing. Project control was referenced to Florida State Plane Coordinate System, East Zone, North American Datum of 1983, Adjustment 2011 (NAD83(2011)), and North American Vertical Datum of 1988 (NAVD88). Deliverables were provided in AutoDesk Civil 3d 2016. The Subsurface utility engineering tasks included utility designation (CI/ASCE 38-02 QL-B) for the entire limits. More than 100,000-LF of underground utilities were mapped to support the design effort. Subsurface utility engineering tasks also included 60 utility location (CI/ASCE 38-02 QL-A) of VVH test holes for utility conflicts.
06/19 - 09/19	Professional Surveying Services for JEA 112-18 Imeson to W 5th Street, Mott MacDonald for JEA, Flagler County, FL: Project Surveyor for this 17,000 LF Route to support the design of a new 20-inch Force Main. Mr. Tompkins was responsible for managing all surveying activities for topographic and subsurface utility designation. The project included 10+ miles of control leveling, working along an industrial 2-lane street, along elementary school property, wetlands, soil borings, multiple Railroad Right-of-Way crossings, and Interstate 295 Crossing. Project control was referenced to Florida State Plane Coordinate System, East Zone, North American Datum of 1983, Adjustment 2011 (NAD83(2011)), and North American Vertical Datum of 1988 (NAVD88). Deliverables were provided in AutoDesk Civil 3d 2016. The Subsurface utility engineering tasks included utility designation (CI/ASCE 38-02 QL-B) for the entire limits. More than 100,000-LF of underground utilities were mapped to support the design effort. Subsurface utility engineering tasks also included 50 utility location (CI/ASCE 38-02 QL-A) of VVH test holes for utility conflicts.
10/19 - 01/20	Professional Surveying Services for JEA 040-19 Greenland Water Reclamation Pipelines, Mott MacDonald for JEA, St. Johns and Duval Counties, FL: Project Surveyor for this 37,000-LF Route to support the design of a new 20-inch force main and water main. Mr. Tompkins was responsible for managing all surveying activities for topographic and subsurface utility designation. The project included approximately 14 miles of control leveling, working along US Highway #1, along and on 4.5 miles of railroad Right-of-Way, wetlands, soil borings, and I-295 crossing. Project control was referenced to Florida State Plane Coordinate System, East Zone, North American Datum of 1983, Adjustment 2011 (NAD83(2011)), and North American Vertical Datum of 1988 (NAVD88). Deliverables included AutoDesk Civil 3D 2018. The Subsurface utility engineering tasks included utility designation (CI/ASCE 38-02 QL-B) for the entire limits. More than 335,000-LF of underground utilities were mapped to support the design effort. Subsurface utility engineering tasks also included more than 304 utility location (CI/ASCE 38-02 QL-A) of VVH test holes for utility conflicts.
02/19	Professional Surveying Services for JEA 112-18 Imeson to W 5th Street, Mott MacDonald for JEA, Flagler County, FL: Project Surveyor for this 17,000 LF Route to support the design of a new 20-inch Force Main. Mr. Tompkins was responsible for managing all surveying activities for topographic and subsurface utility designation. The project included 10+ miles of control leveling, working along an industrial 2-lane street, along elementary school property, wetlands, soil borings, multiple Railroad Right-of-Way crossings, and Interstate 295 Crossing. Project control was referenced to Florida State Plane Coordinate System, East Zone, North American Datum of 1983, Adjustment 2011 (NAD83(2011)), and North American Vertical Datum of 1988 (NAVD88). Deliverables were provided in AutoDesk Civil 3d 2016. The Subsurface utility engineering tasks included utility designation (CI/ASCE 38-02 QL-B) for the entire limits. More than 100,000-LF of underground utilities were mapped to support the design effort. Subsurface utility engineering tasks also included 50 utility location (CI/ASCE 38-02 QL-A) of VVH test holes for utility conflicts.

16. STAFF EXPERIENCE:



Firm Employed By:  DRMP					
Name		Brent Bass, PE, PSM		Years of Relevant Experience with this Employer	9
Title		Geospatial Services Division Manager		Years of Relevant Experience with Other(s) Employers	7
Degree(s)/Years/Specialization			BS / 2019 / Construction Engineering and Management		
Active Registration Number / State / Expiration Date			PE #84444 / FL / 12.31.2026 PSM #LS7512 / FL / 02.28.2027		
Year Registered	PE - 2019 PSM - 2023	Discipline	Survey		
Contract Role(s)/Brief Description of Responsibilities			SUE		
Brent Bass, PE, PSM, serves as a Geospatial Services Division Manager for DRMP's Surveying and Mapping/Geospatial Market Sector specializing in laser scanning, mobile LiDAR, static LiDAR, GPS control networks, first order control networks, Right-of-Way mapping and topographic surveys. His responsibilities include contract administration and project coordination, technical oversight and professional development of staff, budget and schedule coordination and quality assurance/quality control of survey deliverables.					
Experience Dates (mm/yy-mm/yy)		Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
06/16 - 12/21		SR 91 (Florida's Turnpike Mainline) Widening from SR 50 Interchange to Minneola Interchange (MP 273-279), Florida's Turnpike Enterprise, Orange and Lake Counties, Florida: Project Surveyor that was responsible for the widening of six miles of SR 91 from a 4-lane to 8-lane limited access toll facility separated by a 4-foot buffer with delineators in each direction. The project replaced bridge structures at five locations along SR 91. Plans included all electronic tolling gantries, roadway, drainage, utilities, signing and pavement markings, maintenance of traffic, structures, lighting, intelligent transportation systems, environmental permitting and surveying. The project also included the purchase of Right-of-Way.			
8/20 - Ongoing		SR 408/Tampa Avenue Interchange (Contract #408-315), TLP Engineering for Central Florida Expressway Authority, Orange County, Florida: Survey/LiDAR Manager responsible for scanning (estimating, processing and review) and delivery of Mobile Scan Data to support the final design and preparation of construction drawings/specifications for the SR 408/Tampa Avenue interchange modifications. DRMP was responsible for the design of the widening of eastbound SR 408 over Rio Grande Avenue, ITS design and plans; including Wrong-Way Driving Detection, CCTV, DCS, and TMS and tolling communications. A Digital Terrain Model for the entire project from mobile LiDAR was included. In addition, topo of obscure areas including the ponds, designate all existing underground utilities, locate and record all drainage structures, sanitary structures and bridge data survey and clearances.			
11/20 - 09/23		SR 516 (Lake Orange Expressway) from Orange/Lake County Line to SR 429 (Segment 3) (Contract #516-238), Central Florida Expressway Authority, Orange County, Florida: Survey/LiDAR Manager responsible for mobile scanning (estimating, processing and review) and delivery of Mobile Scan Data to support the new systems interchange connecting SR 429 to SR 516, a new 4-lane limited access toll facility that extends to US 27. This interchange includes five new bridges, with two using concrete Florida-U Beams and three using steel box girders and four bridge widenings, where three are using Florida-I Beams and one is using steel I-girders. This project also includes two miles of roadway improvements along SR 429, which includes widening, adding ramps and milling and resurfacing of the remaining existing roadway, a new dual teardrop roundabout at the interchange with Valencia Parkway, permitting with FDEP and SFWMD, coordination with Orange County, Lake County and local landowners, drainage, intelligent transportation systems, lighting, signing and pavement markings, tolling, aesthetics and geotechnical services.			

Brent Bass, PE, PSM, continued

10/18 - 06/23	Wekiva Parkway Section 8 Interchange Design-Build, The Lane Construction Corporation for FDOT District Five, Seminole County, Florida: Survey Manager that was responsible for surveying, scanning (processing and review) and subsurface utility engineering services for the design of a limited access toll road starting from Orange Boulevard to east of Rinehart Road. This \$263.3 million project includes a new system to system interchange that connects I-4, SR 417 and SR 429 as well as accommodates future express lanes. The project includes 20 new bridges and two bridge widenings. Bridge types include a combination of single and multi-span bridges, concrete Florida-I Beams and steel plate girders. The design-build team's approved interchange alternative technical concept improves operations and safety during and after construction, while reducing overall impacts and long-term maintenance costs. Other project design elements include complex maintenance of traffic, drainage design, permitting, signing and pavement marking, lighting, signalization, intelligent transportation systems, landscape, geotechnical, tolling and surcharge areas to consolidate deep muck. Surveys included 3D design survey, locating drainage structures, underground utilities and scan data.
12/24 - Ongoing	SR 24A/SR 226 (NW 16th Avenue) from SR 24 (Archer Road) to SR 331 (Williston Road) (FPID 207555-4-32-01), Bayer United Engineering Consultants, LLC for FDOT District Two, Alachua County, Florida: Geospatial Manager on this project where DRMP provided surveying and mapping services for this 2.201-mile roadway improvement project. DRMP's tasks included establishing horizontal and vertical control, recovering and/or establishing alignment and the existing Right-of-Way lines, and providing a 3D topographic design survey. Terrestrial mobile LiDAR was used to collect the roadway topographic features with conventional methods to fill in the obscured areas. Project deliverables were OpenRoads Designer (ORD) CAD files.
02/23 - Ongoing	I-4 at Sand Lake Road Interchange Design-Build, The Lane Construction Corporation for FDOT District Five, Orange County, Florida: Project Surveyor responsible for the design survey requests to support the alternative delivery and the mobile scan (collection, processing and review) and delivery of Mobile Scan Data to support the 3D topographic services for the reconstruction of the existing I-4 at Sand Lake Road Interchange to a diverging diamond interchange. This new interchange provides a direct connection from the westbound I-4 general use lanes to Turkey Lake Road. The project also includes the design of one buffered express lane on westbound I-4 between Sand Lake Road and Central Florida Parkway, existing roadway improvements, three bridge replacements, three new ramp bridges, and one bridge widening. Our Team's innovative alternative technical concept includes shifting the entire I-4 typical section to the west, which improves the horizontal and vertical geometry of the mainline and ramps, constructs the bridges off-line, reduces the bridge deck area by over 18,000 SF, and eliminates all Category 2 Bridges, post-tensioned piers, and shoring towers. This allows the I-4 westbound to Turkey Lake Road to open 24 months earlier than the original project schedule. Additional services include signing and pavement markings, lighting and aesthetic lighting, geotechnical, signals, and intelligent transportation system (ITS) improvements.
07/19 - 10/20	Stumptown Road Extension, Town of Huntersville, Mecklenburg County, North Carolina: Survey/LiDAR Manager responsible for mobile scanning (estimating, processing and review) and final survey deliverables to support the extension of Stumptown Road from Aberfeld Road to the intersection at NC 115. The new alignment typical section incorporates sidewalk and bike-lanes in a curb and gutter section and includes a new at-grade railroad crossing over a Norfolk Southern rail line. The overall project includes NEPA and SEPA Analysis and regulatory compliance, public involvement, route location surveys, subsurface utility engineering, traffic analysis, urban roadway design, hydraulic analysis, erosion and sediment control, traffic management plan, signal design, utility coordination and railroad coordination.
4/22 - Ongoing	Proposed Bishopville Truck Route-Environmental Impact Statement, South Carolina Department of Transportation, Lee County, South Carolina: Survey/LiDAR Manager responsible for mobile scan (collection, processing and review) and delivery of Mobile Scan Data to support the 3D topographic services for improving and/or constructing approximately 5.2 miles of roadway in Lee County, South Carolina. The purpose of the project is to reduce truck traffic traveling through downtown and support economic development in the area. The project began in 2010, SCDOT prepared an EA that was approved in 2012 and a public hearing was held in late 2012. Due to considerable controversy and the potential for significant impacts, FHWA directed SCDOT to prepare an EIS.

16. STAFF EXPERIENCE:

	Firm Employed By: 				
	Name	Thomas Yocom, PSM, PLS		Years of Relevant Experience with this Employer	8
	Title	SUE Division Manager		Years of Relevant Experience with Other(s) Employers	37
	Degree(s)/Years/Specialization		BS / 1982 / Civil Engineering Technology		
	Active Registration Number / State / Expiration Date		PSM #5653 / FL / 12.31.2026 PLS #4943 / NC / 12.31.2026		
	Year Registered	1996	Discipline	Survey	
Contract Role(s)/Brief Description of Responsibilities		SUE			
Thomas Yocom, PSM, PLS, serves as a SUE Division Manager for DRMP's Surveying and Mapping/Geospatial Market Sector. His responsibilities include the SUE Division resource planning and supervision of subsurface utility engineering crews, project planning and management, quality assurance and quality control of subsurface utility engineering deliverables and marketing and business development. Mr. Yocom's experience includes a wide variety of survey disciplines for projects such as higher education, municipal, highway transportation, rail, oil/gas and land development.					
Experience Dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).				
05/17 - 09/19	B-5931, Morris Field Bridge Replacement over Norfolk Southern Railroad, City of Charlotte, Mecklenburg County, North Carolina: SUE Manager for this bridge replacement project on Morris Field Drive over Norfolk Southern Railroad tracks. The design will incorporate context-sensitive items including sidewalks and other improvements to the bridge and approaches. ASCE-C-1 38-02 Quality Level B utility designating was performed where six subsurface utility facilities were found including fiber optic communication lines along the active railroad Right-of-Way requiring coordination with Norfolk Southern for a watchman/lookout during field activities.				
8/20 - 2/21	SR 390 from SR 77 to SR 75 Final Design, FDOT District Three, Bay County, Florida: SUE Manager in support of final design for this FDOT widening project on SR 390 (East 14th Street) from SR 77 (Ohio Avenue) to SR 75 (US 231) The purpose of this project is to improve overall traffic operations, regional mobility, social factors, economic factors and environmental impacts to improve roadway capacity and meet future travel demand along SR 390. The proposed improvements will consist of widening SR 390 between SR 77 (Ohio Avenue) and SR 75 from a 2-lane rural collector and arterial undivided roadway, to a 6-lane urban, undivided arterial, including improvements at either end of the project. Through this 4.3-mile project, we completed approximately 95 Verification of Vertical and Horizontal (VVH) location test holes on existing utilities to aid the design team. This project was very challenging as we successfully dealt with high water from recent tropical storm events by selectively scheduling VVH locations.				
1/22 - 7/22	Hillsborough County Stormwater Miscellaneous Professional Services, Hillsborough County, Florida: Primary Survey/SUE Project Manager-in-Charge responsible for several task orders providing both survey and SUE support to the design team. These projects are typically for pump station improvements, culvert replacements and drainage canal design. The survey services provided include topographic Digital Terrain Models, property and Right-of-Way ties and preparation of sketch and descriptions for easement acquisition. The SUE services provided are Quality Level B Designating and Quality Level A VVH Test Holes at potential conflicts with design elements of the project.				

Thomas Yocom, PSM, PLS continued

09/20 - 12/23	Del Prado Boulevard Corridor - Design of Unimproved Alleys, City of Cape Coral, Lee County, Florida: SUE Project Manager providing Quality Level B and A services in support of the design team for this City of Cape Coral capital improvement project where the city desired to improve certain alleys along the Del Prado Boulevard corridor, between SE 13th Street and Miramar Street, to be delivered in the Design, Bid, Build method. The City identified eight sections, consisting of 12 blocks, that incorporate approximately 1.21 miles of unimproved alleys adjoining 2.32 miles of previously paved alleys. As part of the effort to avoid conflict with existing utility facilities, DRMP completed 24 Quality Level A Test Holes.
5/18 - 5/19	U-4404, SR 1400 (Cliffdale Road) from McPherson Church Road to SR 1404 (Morganton Road), NCDOT Division Six, Cumberland County, North Carolina: SUE Project Manager responsible for SUE services for this roadway widening project in Fayetteville, NC. As part of this one mile project the roadway is going to be widened to alleviate traffic congestion along with proposed drainage improvements. Our task was to provide CI/ASCE 38-02 Quality Level B services throughout the project and side streets. Close coordination with the Fayetteville Public Works Commission turned up valuable utility record drawings and asbuilts while designating and surveying over 57,000-LF of existing utilities.
5/18 - 11/20	US 98 (Navy Boulevard) Final Design, FDOT District Three, Santa Rosa County, Florida: SUE Manager for this FDOT complete-street project along the Navy Boulevard corridor from New Warrington Road to the Bayou Chico Bridge. The area is approximately 1.4 miles in length and contains three signalized intersections and serves as a significant regional arterial connection within the Pensacola community. Navy Boulevard serves as an important regional link between community assets that includes Naval Air Station (NAS) Pensacola and the downtown Pensacola business district. We completed approximately 60 Verification of Vertical and Horizontal (VVH) location test holes on existing utilities and 5 mast arm clearances in support of the design team.
4/19 - 1/20	U-4900, NC 210 from South of I-295 to South of US-401 Bypass, NCDOT Division Six, Cumberland County, North Carolina: SUE Project Manager responsible for providing Quality Level B designating and survey location of known subsurface utilities in the areas outlined in the project limits. Direct-buried communication and television lines were mapped to Quality Level C standards where other utilities including NCDOT facilities were mapped to Quality Level B standards. Located and mapped water and gas lateral service lines to the associated meters. Primary power drops and major industrial or commercial power services were included. In addition, under special project tasks and parameters, a verification process of previously completed Quality Level B linework for TIP U-4900 completed by others in 2007 was performed including review of the project CADD file in comparison to utility owner/operator facilities maps, asbuilts and other reference material obtained by DRMP along with a field walkthrough to search for above ground evidence of additional subsurface utilities not shown in the 2007 subsurface utility engineering file.
12/18 - Ongoing	R-2828, Complete 540 - Triangle Expressway Extension, Design-Build Team, Wake County, North Carolina: Serving as Project Manager. The proposed Complete 540 will extend the existing Triangle Expressway approximately 16 miles to Interstate 40 in Wake County. Along with supplemental conventional survey services, our scope was to provide up to 75 CI/ASCE 38-02 Quality Level A Test Holes to verify existing utilities at potential conflicts with proposed design elements such as drainage, roadway and bridges. As part of this effort, we identified a Colonial Pipeline easement containing several gas transmission pipelines.

16. STAFF EXPERIENCE:

	Firm Employed By:  DRMP				
	Name	Ryan Grab, CST II		Years of Relevant Experience with this Employer	15
	Title	Subsurface Utility Engineering Manager		Years of Relevant Experience with Other(s) Employers	12
	Degree(s)/Years/Specialization		N/A		
	Active Registration Number / State / Expiration Date		N/A		
	Year Registered	N/A	Discipline	Survey	
Contract Role(s)/Brief Description of Responsibilities			SUE		
Ryan Grab, CST II, serves as a Subsurface Utility Engineering Manager for DRMP's Survey and Mapping/Geospatial Market Sector. His responsibilities include project coordination, technical oversight and development of staff, budget and schedule coordination, and quality assurance/quality control of SUE deliverables. Mr. Grab has 27 years of surveying and mapping experience including 15 years of specific experience in subsurface utility engineering, as well as managing, supervising, and performing investigations for underground utility mapping. He has been involved in a wide variety of subsurface utility engineering investigations adherent to the ASCE 38 standards for Quality Levels D, C, B, and A, and various types of survey projects. He has managed projects for multiple private and public sector clients including the City of Jacksonville, Jacksonville Electric Authority (JEA), City of Gainesville, City of St. Augustine, City of Palm Coast, St. Johns County, Clay County Utility Authority (CCUA), Florida Department of Transportation, North Carolina Department of Transportation, Navy Facilities Engineering Systems Command SE, Air Force Civil Engineering Center, and the Florida Department of Military Affairs.					
Experience Dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).				
03/21 - 10/23	SR 5 (US 1) from SR 206 to Moultrie Creek, Arcadis for FDOT District Two, St Johns County, Florida: Subsurface Utility Engineering Coordinator for a 3D topographic design survey and Right-of-Way determination of a 4.5-mile corridor of SR 5 (US 1) in St Johns County. Services included establishment of primary and secondary project control (horizontal and vertical), staking of 98 mobile LiDAR targets with horizontal and vertical values, 3D mobile LiDAR of roadway and features, establish, stake and reference project baseline, establish and map Right-of-Way lines throughout the project, 3D topographic survey of mobile LiDAR mapping obscured areas, 3D survey of all drainage structure, and designating and mapping of underground utilities. Survey was performed in support of roadway resurfacing and design improvements.				
09/18 - 10/23	SR 228 (Normandy Boulevard) from New Word Avenue to Cassat Avenue, Peters and Yaffee for FDOT District Two, Duval County, Florida: Subsurface Utility Engineering Coordinator for this 10.7-mile Traffic Control/Systems Project. The overall project included the design of a new Gigabit Ethernet Fiber Optic Communications network link along rural and urban sections of SR 228 and providing connections to all signal cabinets as well as SR 23 and I-295. Design for Two multi-post ADMS and two overhead ADMS are also included. Plans include wiring, splicing, cabinet, mounting and electrical analysis/details. Project limits extend from New Word Avenue to Cassat Avenue.				
01/19 - 05/20	SR 9 (I-95) from SR 207 to International Golf Parkway, FDOT District Two, St. Johns County, Florida: Subsurface Utility Engineering Coordinator to support the defining and calculating the alignment and Right-of-Way along the project corridor and the State Road Intersections at SR 207 and SR 16 in support of the engineering and design of resurfacing and travel lane improvements.				

Ryan Grab, CST II continued

02/22 - 03/20	SR 10/US 90/Beaver Street, Resurfacing and Signalization Improvements from Tyler Street to Eaverson Street, FDOT District Two, Duval County, Florida: Subsurface Utility Engineering Coordinator for this 2-mile signalization improvement project that consisted of the complete signal rebuild of three intersections. The survey and mapping tasks involved horizontal and vertical control surveys, calculation of centerline alignment and Right-of-Way calculations. Design survey activities were performed to support the engineering design included topographic/Digital Terrain Model surveys and subsurface utility engineering services which involved utility designation, location (VVH's) for utility conflicts and signal structure foundation exploratory test holes. Right-of-Way mapping activities consisted Right-of-Way control survey, Right-of-Way mapping and parcel sketch and descriptions for corner clips, temporary construction easements and perpetual easements with in the City of Jacksonville Right-of-Way.
08/17 - 2/23	SR 9/I-95 at SR 115 (Martin Luther King Boulevard) Interchange, FDOT District Two, Duval County, Florida: Subsurface Utility Engineering Coordinator for the survey and mapping effort to raise the bridge elevation over Martin Luther King Boulevard along I-95. The survey effort consisted of Terrestrial Mobile LiDAR data and conventional survey and subsurface utility engineering (SUE) services. The Right-of-Way mapping effort included control maps, Right-of-Way mapping, and legal descriptions to support the Right-of-Way acquisition for this project.
11/13 - 12/13	SR 100, Rail to Trail from Roberts Lane to St. Johns River Water Management District, Putnam County, Florida: Subsurface Utility Engineering Coordinator responsible for the daily Subsurface Utility Engineering (SUE) operations. DRMP provided design surveying services on this 6.00 mile Rail-to-Trail project, running parallel to State Road 100, from Roberts Lane easterly to the St Johns Water Management District office. Services included: Horizontal and Vertical Control, including Project Control Sheets, recovery of the corridor alignment and Right-of-Way, Topographic 3D survey with a full Digital Terrain Model of the project corridor. Subsurface Utility Engineering (SUE) to designate utilities along the project corridor, Channel Sections to support the Bridge Hydraulic Study. Project deliverables included Micro Station design files and a CaiCe Data Base for use by the design engineer and the Florida Department of Transportation District Two Surveying and Mapping Department.
06/11 - Ongoing	CR 210 Widening East of I-95 to CE Wilson Road, AECOM for FDOT District Two, St. Johns County, Florida: SUE Manager responsible for a 3D/digital terrain model (DTM) topographic survey, design survey, and subsurface utility engineering (SUE) services. Survey services included establishing horizontal and vertical control, existing alignment and Right-of-Way lines, 3D topographic/digital terrain model (DTM) survey and subsurface utility engineering (SUE) (Quality Level B designates and Quality Level Allocates). All data was provided in a 3D MicroStation SS10 CAD file.
11/21 - 12/23	SR 24 from SR 222 to SR 200/US 301 (FPID 447964-1-32-01), STV Inc. for FDOT District Two, Duval County, Florida: SUE Manager on this project where DRMP provided surveying and subsurface utility engineering (SUE) services for this 10.8-mile roadway improvement project. DRMP's tasks included establishing horizontal and vertical control, recovering and/or establishing the alignment and the existing Right-of-Way lines, and providing a 3D topographic design survey. Terrestrial mobile LiDAR was used to collect the roadway topographic features. Utility designates will be performed at key locations along the project corridor to clear the proposed locations of pier protection, drainage structures, and lighting structures. Project deliverables were OpenRoads Designer (ORD) CAD files.
06/18 - Ongoing	SR 15/US 17 at SR 9A/I-295 Operational Improvements, FDOT District Two, Clay and Duval Counties, Florida: Subsurface Utility Engineering Coordinator for this project that consists of operation and safety improvements to SR 15 at the I-295 Interchange. Services include milling and resurfacing, widening, reconstruction, interstate ramp improvements, intersection improvements, sidewalk construction and drainage improvements. The project limits extend from south of Wells Road to north of Collins Road.

16. STAFF EXPERIENCE:

**Geotechnical
Engineering Services**

16. STAFF EXPERIENCE:



Firm Employed By: 				
Name	Megan Bourgeois, PE		Years of relevant experience with this employer	20
Title	Principal Engineer / Assistant Branch Manager		Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization		BS / 2006 / Civil Engineering		
Active Registration Number / State / Expiration Date		0036725 / LA / 03.31.2028 Traffic Control Supervisor / LA / 06.21.2028 DOTD Flagger / LA / 08.14.2028 Certified NHI Drilled Shaft Inspector		
Year registered	2011	Discipline	Civil	
Contract Role(s)/Brief Description of Responsibilities		Project Manager Meets MPR 9		
Ms. Bourgeois has more than 20 years of experience with design and analyses of countless types of foundations including shallow, embankment settlement analysis, deep foundations (pile and drilled shafts), LRFD design, FHWA & GEC design, slope stability (embankment and excavation) and earth retaining structures. She also has extensive experience with geotechnical instrumentation, installation and monitoring, and construction phase testing and laboratory management. She has served as Ardaman's project manager for many LADOTD projects for bridges and roadways throughout Louisiana and completed numerous geotechnical investigations, engineering, and reporting in accordance with LADOTD standards. She has successfully overseen several major contracts for LADOTD and other clients. Ms. Bourgeois also serves as the director of our geotechnical engineering and CMT laboratories in Baton Rouge and has overseen the laboratory testing programs in accordance with LADOTD standards. In this role, she supervises the laboratory managers, oversees testing, provides guidance to laboratory staff, and ensures appropriate protocol is followed and deadlines are met in addition to providing training material and maintaining all laboratory certifications, including AMRL, CCRL, DEQ & USACE.				
Experience Dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
07/23-Ongoing	SP NO. H.013284 / MRB SOUTH GBRL: LA 1 TO LA 30 CONNECTOR: West Baton Rouge, Iberville, Ascension, and East Baton Rouge Parishes, LA. Project Engineer. The project consists of an Enhanced Planning investigation into S.P. No. H.013284, MRB South GBR: LA 1 to LA 30 Connector, with the objective of constructing a new Mississippi River crossing located between the I-10 and LA 70 River crossings from three proposed alignments. Ms. Bourgeois helped oversee supervision of the field program, development of the laboratory testing program, quality control review, and development of an interactive geotechnical database to compile all the soil borings and ECPT. The preliminary engineering analyses included caisson design, driven piles, drilled shafts, embankments, proposed alignment comparisons, environmental concerns, and testing program recommendations.			
07/21-01/22	SP NO. H.003931 / I-10 CALCASIEU RIVER BRIDGE: Calcasieu Parish, LA. Project Manager. Managed all aspects of this project pertaining to coordination of fieldwork including 37 deep soil borings, 39 ECPTs and 13 geophysical survey transects. A majority of the soil borings were completed from a barge over deep water, some from a marsh buggy over shallow water and thick marsh grass. Ms. Bourgeois also managed and oversaw the laboratory testing program and processing and analyzing of the ECPT and ER data. She also assisted with development of a geotechnical database and preparation and submittal of a geotechnical data report. This project consisted of obtaining geotechnical data under a strict deadline to be used in the design of a replacement of the existing I-10 Calcasieu River Bridge with a new structure and improvements to various other interchanges.			
04/21-Ongoing	SP NOS. 700-29-0112, 700-29-0130, H.012565, H.012891, H.014251, H.014252, H.014253, H.014254, H.014256, H.014257 / RURAL BRIDGE INITIATIVE PHASE II: West Feliciana, East Feliciana, Livingston, and St. Bernard Parishes, LA. Project Engineer. This project consists of the replacement of multiple small two-lane bridges throughout rural areas of Southeast Louisiana which generally ranged in length from 100 to 400 feet, over various size rivers and creeks. Ms. Bourgeois leads technical reviews pertaining to selection of design reaches, geotechnical design of pile foundations, drivability, slope stability, settlement analyses, construction testing program recommendations, and report preparation in accordance with LADOTD guidelines.			

Megan Bourgeois resume continued

02/20-Ongoing	SP NO. H.004791 / DESIGN SUPPORT SERVICES LA 23, BELLE CHASSE BRIDGE & TUNNEL: Plaquemine Parish, LA. Project Engineer/Laboratory Director. Ardaman's scope consists of review and acceptance of all geotechnical services including technical design reports, field documentation, drawings, and RFI's for the P3 Project consisting of replacing the Belle Chasse bridge and tunnel. In addition, Ardaman performs acceptance verification sampling and testing during the construction for soils and concrete. Ms. Bourgeois assisted in review and acceptance of geotechnical services as well as quality control and review of all acceptance verification sampling and testing during construction.
07/15-Ongoing	SP NO. H.004273.5 / I-49 CONNECTOR (LAFAYETTE REGIONAL AIRPORT TO I-10/I-49/US 167 INTERCHANGE): Lafayette Parish, LA. Project Engineer. Assisting the Program Manager in overseeing the geotechnical investigation and design of the 5 miles of freeway consisting of a 3.5-mile elevated structures that will include pile supported approach slabs, pile foundations, slope stability, embankment settlement, pavement design, advanced pile load test programs, and earth retaining structures. Overseeing laboratory program which will include a total of more than 400 borings including deep borings, shallow borings, and CPT soundings. Ms. Bourgeois is the project lead to develop the Geotechnical Investigation and Design Report.
10/09-Ongoing	SP NO. H.004646.5 / I-20 MISSISSIPPI RIVER BRIDGE REVIEW: Vicksburg, MS. Project Manager. Ms. Bourgeois manages this multi-million-dollar, highly technical project consisting of investigating movement of the I-20 Bridge in Vicksburg, MS. She managed a highly technical team including academia, experts, including internationally recognized geotechnical engineers, geohydrologists, instrumentation specialists, and 3-D geotechnical modeling experts. She managed and personally oversaw a comprehensive laboratory testing program and was involved in refining the geotechnical site characterization for the bank/bluff where there was evidence of shifting creating movement in the bridge structure. The specialized testing, she personally performed or managed included x-ray diffraction, x-ray scanning to identify existing shearing planes and stress-reversal direct shear tests to determine true residual angles of critical strata. She was instrumental in designing the geotechnical instrumentation program for this project including vibrating wire piezometers, Casagrande type piezometers, SAA inclinometers, and traditional inclinometers. In addition, Ms. Bourgeois performed seepage and drawdown analyses, slope stability analyses, evaluation of remedial measures including design and evaluation of large foundation structures and developed technically feasible solutions to mitigate ground movement. She co-authored the geotechnical analysis and design report. She is currently overseeing the comprehensive monitoring program.
09/22-12/25	EVANGELINE ROAD & CN RAILROAD CULVERT: St. Charles Parish, LA. Project Engineer. Ardaman completed subsurface exploration and geotechnical engineering evaluation. The project consists of the installation of two reinforced concrete box culverts (RCBCs) on the north and south sides of the CN Railroad as it crosses over Evangeline Road near Montz, Louisiana in St. Charles Parish. Ardaman performed the geotechnical fieldwork and engineering evaluation including recommendations for site preparation, shoring and bedding recommendations, and pavement design in a final report.
11/21-Ongoing	SP NO. H.012030 / US 371: KCS RAILROAD OVERPASSES HBI: Webster Parish, LA. Project Engineer. The project consists of construction of three bridges for US 371 KC Railroad overpasses that replaced two parallel bridges and one standalone bridge. Ardaman performed the geotechnical investigation and engineering analysis for drilled shafts and made advanced test shaft recommendations.

16. STAFF EXPERIENCE:



Firm Employed By: 				
Name	Robert Jewell, PE		Years of relevant experience with this employer	19
Title	Project Engineer / Branch Manager		Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization		BS / 2009 / Civil Engineering		
Active registration number / state / expiration date		38579 / LA / 09.30.2026 Traffic Control Supervisor / LA / 08.23.2028 DOTD Flagger / LA / 07.31.2029		
Year registered	2013	Discipline	Civil	
Contract Role(s)/Brief Description of Responsibilities		Project Engineer Meets MPR 9		
Mr. Jewell serves as the branch manager of our Baton Rouge office and has over 19 years of experience with design and analyses of countless types of foundations including shallow, embankment settlement analysis, deep foundations (pile and drilled shafts), LRFD design, FHWA & GEC design, slope stability (embankment and excavation) and earth retaining structures. He has managed and coordinated many geotechnical field investigations, including shallow and deep borings, CPT soundings, and performed analyses and prepares design recommendation reports for LADOTD projects. Mr. Jewell has extensive experience in construction phase testing and oversight including dynamic and static testing, pile integrity testing, cross hole sonic logging, settlement monitoring, and geotechnical instrumentation. In particular, he has over 15 years of experience performing, analyzing, and reporting for PDA testing.				
Experience Dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
07/23-Ongoing	SP NO. H.013284 / MRB SOUTH GBRL: LA 1 TO LA 30 CONNECTOR: West Baton Rouge, Iberville, Ascension, and East Baton Rouge Parishes, LA. Project Manager. The project consists of an Enhanced Planning investigation into S.P. No. H.013284, MRB South GBR: LA 1 to LA 30 Connector, with the objective of constructing a new Mississippi River crossing located between the I-10 and LA 70 River crossings from three proposed alignments. Mr. Jewell managed supervision of the field program, development of the laboratory testing program, quality control review, and development of an interactive geotechnical database to compile all the soil borings and ECPT. He helped oversee the preliminary engineering analyses which included caisson design, driven piles, drilled shafts, embankments, proposed alignment comparisons, environmental concerns, and testing program recommendations. A data report and preliminary geotechnical assessment report were submitted.			
07/21-Ongoing	SP NO. H.004100.5 / I-10: LA 415 TO ESSEN LANE ON I-10 & I-12 (CMAR): Baton Rouge Parish, LA. Project Manager. The project consists of a Construction Management at Risk (CMAR) project which includes widening of the east and westbound lanes, elevated structures, interchanges, and ramps along I-10 from LA 415 in West Baton Rouge Parish to Essen Lane on I-10 and I-12 in East Baton Rouge Parish spanning approximately 2.5 miles. Mr. Jewell currently oversee all aspects of engineering analyses pertaining to selection of design reaches, geotechnical design of deep foundations, earth retaining structures, slope stability, soil-structure interaction with existing structures and load testing recommendations. Mr. Jewell helped develop the Geotechnical Data reports, memorandums, and Design reports for this project.			
06/20-06/21	NICHOLSON DRIVE (LA HWY 30) SEGMENT 1: East Baton Rouge Parish, LA. Project Engineer. This project consisted of the reconstruction and widening of a section of Nicholson Drive between the intersections of Brightside Lane and Burbank Drive for the MOVEBR Program. Thirteen shallow soil borings and two deep soil borings were drilled at the subject site and associated laboratory testing was performed. Engineering analyses included pavement and culvert crossing design recommendations in accordance with LADOTD specifications.			
11/21-Ongoing	SP NO. H.012030 / US 371: KCS RAILROAD OVERPASSES HBI: Webster Parish, LA. Project Manager. The project consists of construction of three bridges for US 371 KC Railroad overpasses that replaced two parallel bridges and one standalone bridge. Ardaman performed the geotechnical investigation and engineering analysis for drilled shafts and made advanced test shaft recommendations.			

Robert Jewell resume continued

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

16. STAFF EXPERIENCE:



Firm Employed By: 				
Name	Ross McGillivray, PE		Years of relevant experience with this employer	29
Title	Principal Engineer		Years of relevant experience with other employer(s)	29
Degree(s) / Years / Specialization		MS / 1968 / Civil Engineering (Soil Mechanics) BCE / 1966 / Civil Engineering		
Active Registration Number / State / Expiration Date		17920 / FL / 02.28.2027		
Year registered	1998	Discipline	Civil	
Brief Description of Responsibilities		Principal Engineer		
Principal engineer at Ardaman's Tampa office, provides technical review and consultation on multiple types of foundations including building and bridge foundations, geotechnical and materials engineering for port facilities, pavement systems, earth structures, surface mining, groundwater hydrology, and sinkhole evaluation and remediation. He has supported projects across Ardaman's Florida, Baton Rouge, and New Orleans offices, including multiple LADOTD projects. From 1968 to 1970, he managed MIT's soil mechanics lab and researched soil and industrial waste behavior. At Lambe & Associates, he worked on soil stability and anchor capacity for Caracas's Parque Central retaining wall and helped develop a permafrost and soil mechanics lab in Anchorage. In 1975, he founded ARMAC Engineers, focusing on foundations, sinkhole remediation, mine slope stability, and earthen dams. He joined Ardaman in 1996 as a Senior Engineer, contributing to mining and foundation projects.				
Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).				
SP NO. H.013284 / MRB SOUTH GBRL: LA 1 TO LA 30 CONNECTOR: West Baton Rouge, Iberville, Ascension, and East Baton Rouge Parishes, LA. Principal Engineer. The project consisted of an Enhanced Planning investigation into S.P. No. H.013284, MRB South GBR: LA 1 to LA 30 Connector, with the objective of constructing a new Mississippi River crossing located between the I-10 and LA 70 River crossings from three proposed alignments. Mr. McGillivray reviewed all design aspects of this project including caisson design, driven piles, drilled shafts, embankments, proposed alignment comparisons, environmental concerns, and testing program recommendations.				
SP NO. H.004100.5 / I-10: LA 415 TO ESSEN LANE ON I-10 & I-12 (CMAR): Baton Rouge Parish, LA. Project Engineer. The project consists of a Construction Management at Risk (CMAR) project which includes widening of the east and westbound lanes, elevated structures, interchanges, and ramps along I-10 from LA 415 in West Baton Rouge Parish to Essen Lane on I-10 and I-12 in East Baton Rouge Parish spanning approximately 2.5 miles. Mr. McGillivray reviewed all design aspects of this project including pile and drilled shaft foundations, detailed soil structure interactions with existing bridges, bi-directional O-cell tests oversight, review, and redesign, and reporting.				
SP NO. H.013897 / COLLEGE DR FLYOVER RAMP I-10 / I-12: Baton Rouge Parish, LA. Principal Engineer. Mr. McGillivray assisted with review and acceptance of all geotechnical services including technical design reports, field documentation, drawings, and RFI's for the construction of a flyover ramp on I-10				
SP NO. H.004791 / DESIGN SUPPORT SERVICES LA 23 BELLE CHASSE BRIDGE AND TUNNEL: Plaquemine Parish, LA. Principal Engineer. Mr. McGillivray assisted with review and acceptance of all geotechnical services including technical design reports, field documentation, drawings, and RFI's for the P3 Project consisting of replacing the Belle Chasse bridge and tunnel				
SP NO. H.003370 / I-220/I-20 INTERCHANGE IMPROVEMENT AND BARKSDALE AIR FORCE BASE ACCESS ROAD: Bossier Parish, LA. Principal Engineer. This was a Design Build project which provides direct access to Interstate I-20 from the Barksdale Air Force Base (BAFB) and constructing an interchange and access road from Interstate 20 in Bossier City, Louisiana. Mr. McGillivray helped review and perform analyses of the drilled shaft bi-directional O-cell tests.				

Ross McGillivray resume continued

11/15-Ongoing	SP NO. H.011309 / MACARTHUR INTERCHANGE COMPLETION PHASE II ROUTE US 90-Z: Jefferson Parish, LA. Principal Engineer. Mr. McGillivray reviewed and evaluated the capacity of tip-grouted Drilled Shafts utilizing Cone Penetrometer Test (CPT) sounding data for Phase II of the MacArthur Interchange consisting of construction ramps entering and exiting Westbank Expressway.
06/09-02/10	SR 686 OVERPASS BRIDGE: St. Petersburg, FL. Principal Engineer. The SR 686 Overpass Bridge, 1,500 feet long, crosses a solid waste landfill lined with a slurry wall and in-situ clay. The original foundation design used 24-inch prestressed concrete piles inside 36-inch steel casings, grouted in place. Mr. McGillivray evaluated alternatives and proposed non-redundant drilled shafts to minimize penetrations of the clay liner. The final design included 36-, 48-, and 60-inch drilled shafts. Two Osterberg Cell load tests with 2-inch Styrofoam toes measured skin friction above and below the cell. Ardaman conducted pilot borings and inspected all drilled shaft installations.
05/05-11/05	I-10 BRIDGES OVER ESCAMBIA BAY: Pensacola, FL. Principal Engineer. The I-10 bridge over Escambia Bay, damaged by Hurricane Ivan in 2004, consisted of two 2.6-mile, three-lane bridges with 103 spans each. Mr. McGillivray, PE, served as Lead Geotechnical Engineer for the replacement foundation design. This was Florida's first use of 36-inch voided prestressed concrete piles since 1972. Driving criteria were set for two pile hammers with 150 kip-ft energy but differing ram weights (30 and 60 kips). Wave Equation Analyses and PDA/CAPWAP showed that the lighter ram hammer was marginal for production piling installation. Vertical and lateral load tests correlated well with static capacity and PDA/CAPWAP analyses, with lateral load results requiring soil strengths from Cone Penetrometer Tests for accurate modeling.

16. STAFF EXPERIENCE:



Firm Employed By: 				
Name	Robert Rousset, PE		Years of Relevant Experience with this Employer	20
Title	Project Engineer/Vice President, Regional Manager		Years of Relevant Experience with Other(s) Employers	0
Degree(s)/Years/Specialization		BS / 2008 / Civil Engineering		
Active Registration Number/State/Expiration Date		38637 / LA / 09.30.2026		
Year Registered	2014	Discipline	Civil Engineering	
Contract Role(s)/Brief Description of Responsibilities		Project Engineer		
Mr. Rousset serves as the regional manager of Ardaman's New Orleans office and has over 20 years of experience with design and analyses of countless types of foundations including shallow, embankment settlement analysis, deep foundations (pile and drilled shafts), slope stability (embankment and excavation) and earth retaining structures. He has managed and coordinated many geotechnical field investigations, including shallow and deep borings, CPT soundings, and performed analyses and prepares design recommendation reports for LADOTD projects. Mr. Rousset has extensive experience in construction phase testing and oversight including dynamic and static testing.				
Experience Dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
05/21-Ongoing	SP NO. H.014217, H.014218, H.014225, H.014228, H.014233, H.014236 / RURAL BRIDGE REPLACEMENT INITIATIVE PHASE II: West Feliciana, East Feliciana, Livingston, and St. Bernard Parishes, LA. Project Engineer. The Rural Bridges project initiative consists of replacing many older bridges throughout the State of Louisiana. The scope of the proposed bridge replacement project involves demolishing and replacing the existing bridges. Ardaman performed geotechnical analyses to support foundation designs provided in a report based on the AASHTO LRFD Bridge Design Specifications, the LADOTD Bridge Design Technical Memoranda, and the Louisiana Standard Specifications for Roads and Bridges (LSSRB).			
08/20-Ongoing	SP NO. H.013942, H.013948, H.013979, H.013985, H.013987, H.013988 / RURAL BRIDGES REPLACEMENT INITIATIVE: Avoyelles and Webster Parishes, LA. Project Engineer. This project consists of the replacement of multiple small rural bridges throughout Central and North Louisiana. Mr. Rousset oversaw the field investigation, laboratory testing program, and engineering analyses for the project. Engineering analyses consisted of axial pile capacities, pile drivability, settlement, and slope stability analyses, and reporting in accordance with LADOTD guidelines.			
03/19-07/20	SP NO. H.004100.5-2 / I-10 WIDENING (LA415 TO HOWARD ST): East Baton Rouge Parish, LA. Project Engineer. The project consists of the widening of the East and Westbound lanes, elevated structures, and construction of interchange and ramps on Westbound lanes along I-10 between LA 415 and Howard Street spanning approximately 1 mile. Mr. Rousset helped oversee the geotechnical fieldwork portion of this project which included 58 deep borings and 11 cone penetrometer (CPT) soundings.			
07/16-Ongoing	SP NO. H.011152 / I-12 WIDENING (US 190 TO LA 59): St. Tammany Parish, LA. Project Manager. Mr. Rousset managed this project which included the widening of Interstate 12 in St. Tammany Parish. Ardaman conducted a geotechnical investigation which included 23 deep soil borings, sampling, and laboratory testing along the 3-mile alignment between US 190 and LA 59 for lane widening which included four bridges structures. The field investigation, conducted in accordance with LADOTD specifications, included field reconnaissance including determining access and gaining rights of entry, completing utility locations, locating/staking boring locations, and developing a plan for the initial mobilization of equipment to the site and mobilization between sites. Soil boring logs were created in LADOTD format. Engineering analyses for a retaining wall for one of the bridge abutments was conducted.			

Robert Rousset resume continued

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

16. STAFF EXPERIENCE:



Firm Employed By: 					
Name		Jarmon King, PE		Years of Relevant Experience with this Employer	5
Title		Assistant Project Engineer		Years of Relevant Experience with Other(s) Employers	1
Degree(s)/Years/Specialization			BS / 2019 /Civil Engineering		
Active Registration Number/State/Expiration Date			49179 / LA / 03.31.2027 Traffic Control Supervisor / LA / 11.08.2027 DOTD Flagger / LA / 05.29.2028		
Year Registered		2019	Discipline	Civil Engineering	
Brief Description of Responsibilities			Project Engineer		
a project engineer of Ardaman in the Baton Rouge office with over 8 years of experience. Mr. King is involved with overseeing and technical investigations. Mr. King also prepares soil boring logs; processes and analyzes Cone Penetration Test (CPT) sounding design and the types of foundations including shallow, embankment settlement analysis, deep foundations (pile and drilled shafts), LRFD design, FHWA slope stability (embankment and excavation) and earth retaining structures. Mr. King has experience in overseeing and performing Pile Driving Analyzer (PDA) testing during the construction phase of projects.					
Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).					
SP NO. H.013284 / MRB SOUTH GBRL: LA 1 TO LA 30 CONNECTOR: West Baton Rouge, Iberville, Ascension, and East Baton Rouge Parishes, LA. Project Engineer. The project consists of an Enhanced Planning investigation into S.P. No. H.013284, MRB South GBR: LA 1 to LA 30 Connector, with the objective of constructing a new Mississippi River crossing located between the I-10 and LA 70 River crossings from three proposed alignments. Mr. King helped oversee the field program, development of the laboratory testing program, development of an interactive geotechnical database to compile all the soil borings and ECPT. He helped perform the preliminary engineering analyses included caisson design, driven piles, drilled shafts, embankments, proposed alignment comparisons, environmental concerns, and testing program recommendations. Mr. King assisted in preparation of the Data and Design reports for this project.					
SP NO. H.004100.5 / I-10: LA 415 TO ESSEN LANE ON I-10 & I-12 (CMAR): Baton Rouge Parish, LA. Project Engineer. The project consists of a Construction Management at Risk (CMAR) project which includes widening of the east and westbound lanes, elevated structures, interchanges, and ramps along I-10 from LA 415 in West Baton Rouge Parish to Essen Lane on I-10 and I-12 in East Baton Rouge Parish spanning approximately 2.5 miles. Mr. King co-manages and oversees the engineering analyses pertaining to selection of design reaches, geotechnical design of deep foundations, earth retaining structures, slope stability, soil-structure interaction with existing structures and load testing recommendations. Mr. King helped develop the Geotechnical Data reports, memorandums, and Design reports for this project.					
SP NOs. 700-29-0112, 700-29-0130, H.012565, H.012891, H.014251, H.014252, H.014253, H.014254, H.014256, H.014257 / RURAL BRIDGE INITIATIVE PHASE II: West Feliciana, East Feliciana, Livingston, and St. Bernard Parishes, LA. Assistant Project Engineer. This project consists of the replacement of multiple small two-lane bridges throughout rural areas of Southeast Louisiana which generally ranged in length from 100 to 400 feet, mainly over small rivers and creeks. Mr. King assisted in engineering design pertaining to selection of design reaches, geotechnical design of pile foundations, drivability, slope stability, settlement analyses, construction testing program recommendations, and report preparation in accordance with LADOTD guidelines.					

16. STAFF EXPERIENCE:

	Firm Employed By:  Ardaman & Associates, Inc.				
	Name	Jessica N. Litt		Years of Relevant Experience with this Employer	12
	Title	Laboratory Manager		Years of Relevant Experience with Other(s) Employers	0
	Degree(s)/Years/Specialization		BS / 2010 / Biology		
	Active Registration Number/State/Expiration Date		NICET / Generalist, Laboratory No. 141243 / 10-01-2027		
	Year Registered	N/A	Discipline	N/A	
Contract Role(s)/Brief Description of Responsibilities			Drilling Supervisor		
Ms. Litt serves as Laboratory Manager of Ardaman's Baton Rouge laboratory which is under the direction of a Registered Professional Engineer. She supervises and manages operations of our AMRL Certified, DEQ Accredited, and USACE-validated laboratory and performs and oversees laboratory testing assignments, organizes, and schedules testing, trains and develops technicians, and supervises five laboratory technicians. Ms. Litt is experienced conducting soil mechanics laboratory testing in accordance with appropriate AASHTO and LADOTD testing protocol, which includes Soil Classification, Atterberg Limits, Grain Size Analysis, Gradation Testing, Organic Content, Hydrometer Analysis, Moisture Content, Consolidation Testing, Hydraulic Conductivity, pH, Resistivity, Strength Testing (Unconfined, Unconsolidated-Undrained Triaxial, Consolidated-Undrained Triaxial), Direct Shear, Specific Gravity, and Permeability of Granular Soils.					
Experience Dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).				
03/25-Ongoing	SP NOS. H.016313.5, H.016314.5, H.016315.5, H.016316.5, H.016317.5, H.016318.5, H.016319.5, H.016320.5, H.016325.5 / CULVERT REPLACEMENTS: Evangeline, Jackson, Rapides, Richland, St. Landry, Vernon, and Winn Parishes, LA. Laboratory Manager. Oversaw the completion of a comprehensive laboratory testing program for 100 deep soil borings that included Atterberg Limits, Moisture Content, Visual Classification, Fines Content, Gradation Analysis, Organic Content, Particle Size Analysis, Hydrometer, Unit Weight of Undisturbed Samples, and UU Strength Tests in accordance with LADOTD guidelines. Ms. Litt entered the laboratory test results into gINT in order to produce the LADOTD soil boring logs.				
08/24-Ongoing	SP NOS. H.015568.5, H.015569 / LA 44 ROUNDABOUTS & WIDENING: Ascension Parish, LA. Laboratory Manager. Oversaw the completion of a comprehensive laboratory testing program for 10 deep and 14 shallow soil borings that included Atterberg Limits, Moisture Content, Visual Classification, Fines Content, Gradation Analysis, Organic Content, Particle Size Analysis (Hydrometer), Unit Weight of Undisturbed Samples, and UU Strength Tests in acc				
07/23-Ongoing	SP NOS. H.015489, H.015490, H.015491, H.015492 / IJA: OFF-SYSTEM BRIDGES: Allen, Beauregard, and Calcasieu Parishes, LA. Laboratory Manager. Oversaw the completion of a comprehensive laboratory testing program for 10 deep soil borings that included Atterberg Limits, Moisture Content, Visual Classification, Fines Content, Gradation Analysis, Particle Size Analysis (Hydrometer), Unit Weight of Undisturbed Samples, and UU Strength Tests in accordance with LADOTD guidelines. Ms. Litt entered the laboratory test results into gINT to produce the LADOTD soil boring logs.				
07/23-Ongoing	SP NO. H.013284 / MRB SOUTH GBR LA 1 TO LA 30 CONNECTOR: West Baton Rouge, Iberville, Ascension, and East Baton Rouge Parishes, LA. Laboratory Manager. Oversaw the completion of a comprehensive laboratory testing program for 18 deep soil borings that included Atterberg Limits, Moisture Content, Visual Classification, Fines Content, Gradation Analysis, Organic Content, Particle Size Analysis (Hydrometer), Unit Weight of Undisturbed Samples, and UU Strength Tests in accordance with LADOTD guidelines. Ms. Litt reviewed the consolidation test results and entered the laboratory test results into gINT in order to produce the LADOTD soil boring logs				

16. STAFF EXPERIENCE:

**Roadway Design &
Hydraulic Engineering Services**

16. STAFF EXPERIENCE:



Firm Employed By:  WAGGONER

Name	Bryan Harmon, PE	Years of Relevant Experience with this Employer	10
Title	Vice President / Special Projects Engineer	Years of Relevant Experience with Other(s) Employers	34
Degree(s) / Years / Specialization	BS / 1981 / Agricultural Engineering BS / 1982 / Civil Engineering		
Active Registration Number / State / Expiration Date	PE# 22595 / LA / 03.31.2027		
Year Registered	1987	Discipline	Civil Engineering

Contract Role(s) / Brief Description of Responsibilities Road & Drainage

Bryan will serve as a key member of the road and drainage team, overseeing the design and engineering review process. He will ensure that preliminary and final designs meet LADOTD standards and guidelines, with a focus on drainage system improvements, bridge hydraulic structure sizing and scour analysis, pavement conditions, and ROW considerations. Bryan will also provide expert input during construction phase services, ensuring adherence to specifications and resolving design-related issues. His extensive experience managing large-scale infrastructure projects will help ensure quality and timely project delivery.

Experience Dates (mm/yy-mm/yy) Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).

10/20 - Ongoing SECTION 17 PROJECT	I-10: LA 415 to Essen Lane on I-10 and I-12 CMAR, East Baton Rouge and West Baton Rouge Parish, LA (H.004100) Supervising Drainage Engineer. Bryan is serving as Waggoner's supervising drainage engineer for this major interstate improvement project from just east of the Mississippi River bridge crossing to just west of College Drive. Bryan is responsible for the final drainage design of the interstate collection systems, local frontage roads, and drainage outfalls including the bridge hydraulic evaluation of the Acadian Thruway Bridge over Dawson Creek.
03/13 - 07/22 SECTION 17 PROJECT	I-10: East Jct. I-49 to LA 328, Lafayette & St. Martin Parishes (H.003003) I-10: LA 328 to LA 347, St. Martin Parish (H.003014) I-10: LA 347 to Atchafalaya Floodway Bridge, St. Martin Parish (H.003014) QA/QC. Bryan performed roadway and drainage design for these three segments of I-10. He also performed superelevation computations and graphical grades to provide positive drainage along relatively flat grades in the median of the interstate. He was also responsible for QA/QC of the roadway plans and sequence of construction for the LA 347 roundabouts and roadway improvements. This project included both pavement preservation and capacity functional classifications.
04/21 - Ongoing SECTION 17 PROJECT	Rural Bridge Replacement Initiative Phase II (South), LA (16 Projects) (440001338), Various Locations, LA Hydraulic Design Engineer. Bryan is serving as Waggoner's supervising Hydraulic Design Engineer for the Phase II Rural Bridge Replacement Initiative. Hydrologic and hydraulic evaluations are being developed to provide a hydraulically suitable replacement for the existing bridge structures that have been designated for replacement under this program. All bridge hydraulic reports, data forms, and data tables are being prepared in accordance the current LADOTD Hydraulics manual and design directives.
09/22 - Ongoing SECTION 17 PROJECT	LA 1088: Soult and Trinity Roundabouts, St. Tammany Parish, LA (H.010116) Project Manager. Bryan led overall project delivery and acting as the primary liaison with LADOTD. He managed multidisciplinary coordination across roadway, drainage, and traffic design to ensure a cohesive and constructible solution, while overseeing schedule, budget, and quality. Bryan also guided stakeholder and agency coordination and provided oversight of the public involvement process, ensuring all deliverables and documentation met LADOTD requirements.

Bryan Harmon resume continued

10/12 - Ongoing	Hooper Road Widening (LA 408) Blackwater - Joor, East Baton Rouge Parish, LA (H.002316) Hydraulic Design QA/QC. The project consists of improving Hooper Road in Central, LA from Blackwater Road to Sullivan Road. Bryan performed all QA/QC and hydraulic design oversight for the project including existing and proposed drainage computations, existing drainage areas, pre- and post-development stormwater parameters, HEC-RAS models of the five existing major cross drains to evaluate existing and proposed conditions, design of reinforced box culverts for cross drains, open ditches, and/or drainage structures and piped systems for storm drainage collection. He was the plan checker for the drainage plan and profile, existing and proposed drainage, and the summary of drainage structure sheets. The design computations were performed using HYDRWIN, Global Mapper, HEC-RAS, Excel, and Civil3D.
08/18 - 10/22	I-220/I-20 Interchange and BAFB Access Design-Build, Bossier Parish, LA (H.003370) Bryan was responsible for the evaluation and design of both the existing and proposed drainage systems for this new four-lane rural arterial and roadway. In addition to the standard LADOTD drainage evaluations for storm drain systems (inlets, pipes, box culverts, and bridges) consideration of impacts to the surrounding floodplain storage basins and wetlands had to be considered. The floodplain area along the southern limits of the project is also bisected by the KCSRR and is subject to significant backwater and overbank flooding from Red Chute Bayou. Due to the floodplain complexities associated with this lateral overflow storage area, coordination with the Bossier Levee District was required which included utilizing elements of their 2-D Unsteady Flow Hec Ras Model for this region. Due to the lateral overflows and interchange of flows, consideration of bridge scour was evaluated for the KCSRR Overpass utilizing the HEC -RAS computer model.
08/21 - 05/23	LA 73: US 61 (Airline Highway) - LA 426 (Essen Lane), East Baton Rouge Parish, LA (H.010652) Project Manager. Bryan was the project manager for the development of preliminary and final plans to fully reconstruct existing LA 73, including complete pavement and base removal and replacement, curbs and gutters, and sidewalks from Airline Highway to the I-12 on-ramp near Drusilla Lane, and for concrete pavement patching and repair of damaged curbs and sidewalks from the I-12 on-ramp to Essen Lane. This plan development consists of all engineering services including a summary of estimated of quantities and cost.
10/16 - Ongoing	I-10: Highland to LA 73 Design-Build, East Baton Rouge and Ascension Parish, LA (H.009250) Design & Construction Liaison and Design Engineer. Bryan is serving as the project design and construction Liaison for the project. He is responsible for coordinating design and construction efforts to ensure a cost effective and efficient delivery process. Bryan also serves as a design engineer for the open ditch and subsurface drainage systems for this 6.7-mile interstate capacity improvement project for LADOTD.
05/21 - 03/23	LA 352 Drainage Improvement, St. Martin Parish, LA (H.014415) Lead Hydraulic Engineer. Bryan is the lead hydraulic engineer for drainage improvements along LA 352 in Henderson, LA. The project includes removing several undersized side drains and side road cross drains with a 10x6 RCB to alleviate regional flooding problems near the I-10 Henderson exit. The design also incorporates a drainage bypass system to balance flows near the interchange. Bryan is responsible for performing HEC-RAS modeling and HYDRO-WIN calculations on the main outfall channel, developing drainage alternatives and associated costs, and QA/QC on the construction plans.
10/20 - Ongoing	I-10 and I-12 College Drive Flyover Ramp Design-Build (CE&I/OV), E. Baton Rouge Parish, LA (H.013897) Road Design and Drainage Design Reviewer. Bryan is serving as both a road design and drainage design reviewer, providing support services to LADOTD for this project. This project consists of modifying the I-10 West/College Drive exit into separate I-12 West and I-10 West exits. Bryan's responsibilities include participation in the progress reviews of each Design Unit and Ready for Construction (RFC) Plan submittals. These reviews include roadway plans, construction sequencing, primary drainage systems, open channel design, with consideration being given to LADOTD Design Guidelines, Hydraulics Manual, standard details and specifications, and to potential impacts to the Wards Creek drainage basin and adjoining infrastructure developments. Having served as the drainage engineer, chief engineer, and ultimately the Director of Public works for the East Baton Rouge City-Parish, Bryan brings significant institutional knowledge of the local drainage and roadway systems within the parish and how they may react to this project modification. He clearly understands the concerns that may be expressed by the local community and the need for proper public-private communication and partnership on a project of this magnitude.

16. STAFF EXPERIENCE:



Firm Employed By: 				
Name	Cal Joy, PE		Years of Relevant Experience with this Employer	<1
Title	Transportation Discipline Manager		Years of Relevant Experience with Other(s) Employers	12
Degree(s)/Years/Specialization		BS / 2012 / Civil Engineering		
Active Registration Number/State/Expiration Date		PE#43830 / LA / 03.31.2028		
Year Registered	2019	Discipline	Civil Engineering	
Contract Role(s)/Brief Description of Responsibilities		Roadway Design		
Cal brings over 12 years of experience delivering roadway, multimodal, and safety improvement projects for state DOTs, MPOs, parishes, and federal clients. His expertise includes managing roadway design from planning and Stage 0 through final plans, leading multi-discipline teams, and overseeing budgets, schedules, QA/QC, and client coordination. Cal has led roadway alignments, intersection improvements, safety enhancements, and multimodal corridors while serving as a trusted seller-doer and primary client interface on projects up to \$1 million in fee.				
Experience Dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
06/21 - 01/26	New Roundabout at LA 931 and Roddy Road, Ascension Parish, Gonzales, LA (Prior Firm) Design Lead. This intersection historically involved high frequency and high severity crashes. This project is funded through the Move Ascension Initiative and addresses traffic mobility and safety issues. Cal and his team provided design services for a new single lane asphalt roundabout at the intersection of LA 931 and Roddy Road in Gonzales, LA. Services include preparing a roundabout report (crash analysis, cost-benefit analysis, traffic analysis, speed study, safety analysis), electrical lighting design, subsurface drainage, permit application, preliminary and final design plans, specifications, special provisions, construction estimates, and engineering calculations. This local roadway intersects a state route, resulting in LADOTD project permit requirements. The design will comply with state and federal guidelines and receive LADOTD review and approval.			
03/21 - 06/21	LA 3040 Corridor Improvements Study, LADOTD, Houma, LA (Prior Firm) Project Manager. Cal led a Stage 0 Feasibility Study for the LADOTD to improve safety and operations along 2.5 miles of LA 3040 (Martin Luther King Blvd) in Houma, LA. The study included traffic data collection, crash analysis, road safety assessments, and capacity analysis to identify deficiencies and develop context-sensitive alternatives. Short-term improvements were proposed such as targeted signalization and access modifications, as well as a long-term median-divided alternative with protected U-turns to reduce conflict points and enhance mobility. The study provided LADOTD with actionable, cost-effective solutions aligned with community needs and agency goals.			
09/19 - 09/22	Harrison Avenue Improvements - Study and Design, St. Tammany Parish, Covington, LA (Prior Firm) Project Engineer. Buchart Horn served as the prime consultant for the Harrison Avenue Improvements project in Covington, LA, leading a comprehensive study and final design effort to enhance safety, capacity, and pedestrian accessibility along a 2.49-mile urban corridor. The project involved the design of ADA-compliant sidewalks on both sides of the roadway, supported by subsurface drainage improvements and utility conflict coordination. As project engineer, Cal developed and evaluated multiple design alternatives, prepared Right-of-Way maps, and completed final construction documents including grading, signage, erosion control, and cost estimates. The project emphasized improved connectivity to residential neighborhoods and public facilities while addressing drainage and access management challenges in a rapidly developing area.			
05/21 - 03/26	MOVEBR Jefferson Highway at Corporate Intersection Improvements, City of Baton Rouge/Parish of East Baton Rouge, LA (Prior Firm) Project Manager. This project consists of extending existing and incorporating additional turning lanes, where necessary, to increase storage length and improve capacity. In addition to turning lane improvements, pedestrian facility (sidewalks, crosswalks, etc. and driveway access enhancements were made to improve safety, pedestrian connectivity to transit facilities, and access management.			

16. STAFF EXPERIENCE:

	Firm Employed By:  WAGGONER				
	Name		Kelsie Bankston, PE	Years of Relevant Experience with this Employer	5
	Title		Project Engineer	Years of Relevant Experience with Other(s) Employers	3
	Degree(s) / Years / Specialization		BS / 2018 / Civil Engineering		
	Active Registration Number / State / Expiration Date		PE# 47126 / LA / 03.31.2027		
	Year Registered	2022	Discipline	Civil Engineering	
Contract Role(s) / Brief Description of Responsibilities		Road & Drainage			
Kelsie is a licensed Professional Engineer with hands-on experience in roadway and drainage design, topographic survey interpretation, and bridge inspection support. Her background includes site visits, reporting, and plan development for bridge replacements and roadway improvements. For this contract, Kelsie will support the roadway design team, focusing on the collection and interpretation of topographic survey data including drainage structures, travel lanes, shoulders, and utility locations. She will assist in developing preliminary and final plans in full conformance with LADOTD's Roadway Design Procedures and Details Manual and the Off-System Highway Bridge Program requirements. Kelsie's field and design experience will help ensure the delivery of accurate, high-quality roadway plans that meet project scope and standards.					
Experience Dates (mm/yy-mm/yy)		Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
10/21 - Ongoing SECTION 17 PROJECT	I-10: LA 415 to Essen Lane on I-10/I-12 (CMAR), E. Baton Rouge Parish, LA (H.004100) Project Engineer. Kelsie assisted in the roadway design development for the I-10: LA 415 to Essen Lane on I-10/I-12 (CMAR) project in East Baton Rouge Parish. Her responsibilities included development of roadway geometrics, profile and superelevation design, typical sections, grading, quantity calculations, and preparation of roadway plan sheets for multiple interstate, ramp, frontage road, and surface street improvements throughout the corridor. Kelsie also contributed to the design and coordination of several roundabout configurations associated with the project, including the single-lane roundabout at Terrace Street and Braddock Street, the spiral/partial double roundabout system at Dalrymple Drive and the I-10 ramps near East Lakeshore Drive, and the interchange "dogbone/dumbbell" roundabout configuration at Lori Burgess Avenue and the I-10 ramps. She was responsible for documenting and tracking design modifications, coordinating review comments, and supporting phased submittals throughout project development.				
10/20 - Ongoing SECTION 17 PROJECT	Rural Bridge Replacement Initiative, LA Project Engineer. Kelsie is managing and designing four bridge replacement projects included in this contract. This work includes assessing site conditions, deciding the structure type and size based on the hydraulics of the channel, and designing the roadway approaches. She is responsible for project management, roadway and slab span bridge design, construction plan preparation, quantity computations, and developing an opinion of probable costs.				
2021 - 02/23	LA 73: US 61 (Airline Highway) - LA 426 (Essen Lane), East Baton Rouge Parish, LA (H.010652) Road Design Engineer. Kelsie was a road design engineer for this pavement preservation project. She was responsible for preparing the design report, geometric details, typical section, sidewalks, pay items, quantity computations, summary tables, and developing the opinion of probable costs. Waggoner was contracted by LADOTD to engineer the reconstruction of LA 73, covering full pavement replacement, curbs, gutters, and sidewalks from Airline Highway to the I-12 on-ramp, and repairs from the I-12 on-ramp to Essen Lane.				
05/21 - 03/23	LA 352 Drainage Improvement, St. Martin Parish, LA (H.014415) Project Engineer. This project involves channel improvements and adding subsurface drainage systems to an outfall channel adjacent to LA 352. Kelsie is responsible for the typical sections, plan profiles, developing a suggested sequence of construction, diversion road design for maintenance of traffic, quantity computations, pay item list, and documentation of comments and responses.				

16. STAFF EXPERIENCE:

	Firm Employed By:  WAGGONER			
	Name		Charlotte Gremillion, PE	
	Title		Project Engineer	
	Years of Relevant Experience with this Employer		5	
	Years of Relevant Experience with Other(s) Employers		2	
	Degree(s) / Years / Specialization		BS / 2018 / Civil Engineering	
Active Registration Number / State / Expiration Date		PE# 47930 / LA / 09.30.2027		
Year Registered		2023	Discipline	Civil Engineering
Contract Role(s) / Brief Description of Responsibilities		Road & Drainage		
Charlotte will be part of the road and drainage team supporting cross-sectioning roadways and ditches at various interval levels. She will be responsible for measuring guard rails, striping, and utilities, ensuring this information is meticulously recorded for use in the final design. Her role will be crucial in ensuring that the existing conditions are fully understood and reflected in the project plans. Charlotte is experienced with transportation and commercial projects, including road design, geometric design, and on-site work. She is trained and experienced in AutoCAD, Civil 3D, MicroStation, and GlobalMapper, which she uses for plan preparation and design, contributing to high-quality deliverables that meet LADOTD standards.				
Experience Dates (mm/yy-mm/yy)		Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
10/20 - Ongoing SECTION 17 PROJECT		I-10: LA 415 to Essen Lane on I-10 and I-12 CMAR, East Baton Rouge and West Baton Rouge Parish, LA (H.004100) Lead Design Engineer. This project is to replace the urban interstate through downtown Baton Rouge under an alternative delivery process. Charlotte serves as a technical design engineer for urban freeways, grade separation interchanges, urban arterials, urban collectors, and local streets. She is the lead design engineer for roundabouts at the Dalrymple Drive Exit Ramp and Terrance Street at Braddock Street intersection. She prepares roadway design calculations, technical reviews, and prepares construction plans for several stages, phases, and segments of the project. She performs quantity calculations and prepares quantity tables for various submittal stages. She is responsible for plan and profile preparation, cross sections, and roadway geometrics for various sections and stages of the project.		
09/22 - Ongoing SECTION 17 PROJECT		LA 1088: Soult and Trinity Roundabouts, St. Tammany Parish, LA (H.010116) Project Engineer. This project includes replacing two intersections and the connecting two-lane urban arterial with roundabouts and a four-lane boulevard section. Charlotte responsibilities include roadway geometrics, design reports, technical calculations, and plan development. She designed all typical sections through the addition of two new roundabouts. She identified and assessed the roadway design constraints in the area when deciding the location of the two roundabouts and roadway approaches. She connected the existing conditions to the new designs so that access would not be limited.		
4/26 - Ongoing SECTION 17 PROJECT		IIJA Off-System Bridge Replacement Project Management Bundle, Statewide (69 Projects)(4400029197) Contract and Lead Project Manager. Charlotte serves as the project manager providing project administration and technical review services for District 61 and East Baton Rouge Parish consisting of more than 19 IIJA-funded off-system bridge replacement projects. Responsibilities included supporting the LADOTD Project Manager in overseeing project delivery, coordinating milestone reviews, managing stakeholder communication, and tracking environmental, Right-of-Way, utility, and survey-related activities throughout project development. The team performed comprehensive roadway, bridge, and hydraulic design reviews at key submittal milestones, evaluating compliance with current AASHTO criteria, LADOTD policies, construction specifications, and industry best practices while assessing overall constructability and biddability. Services also included review of design reports, design exceptions and waivers, bid package preparation support, contractor proposal evaluations, and recommendations for final plan acceptance and project letting.		

Charlotte Gremillion resume continued

03/25 - Ongoing	LA 933 at Joe Sevario Road, Ascension Parish, LA (H.014409) Project Engineer. This project included replacing the existing all-way stop-controlled intersection with a modern single-lane roundabout to improve safety and traffic operations. Charlotte's responsibilities included roadway geometrics, design reports, technical calculations, and plan development. She developed typical sections and geometric layouts for the roundabout and approach roadways, while evaluating site constraints, drainage considerations, and constructability. Charlotte also ensured the design tied seamlessly into existing conditions, maintaining access and minimizing impacts to adjacent properties and infrastructure.
02/23 - Ongoing	Enterprise Boulevard Extension, Lake Charles, County, LA Project Engineer. Waggoner was retained by the City of Lake Charles to perform engineering, surveying, bidding assistance, and construction administration. The project consists of extending the existing four-lane boulevard section of Enterprise Boulevard northward on a new alignment from its current intersection at Katherine Street to an intersection on N. Goos Boulevard near Woodring Street, widening N. Goos Boulevard northward to its intersection with Fitzenreiter Road, and widening Fitzenreiter Road eastward to its intersection with N. Simmons Street. The project also includes the addition of a bike path to the Riverside Park Complex consistent with the City of Lake Charles Bicycle and Pedestrian Master Plan.

16. STAFF EXPERIENCE:

	Firm Employed By:  WAGGONER				
	Name		Thomas Grass, PE	Years of Relevant Experience with this Employer	8
	Title		Senior Project Engineer	Years of Relevant Experience with Other(s) Employers	10
	Degree(s) / Years / Specialization		BS / 2007 / Civil Engineering		
	Active Registration Number / State / Expiration Date		PE#25464 / MS / 12/31/2026		
	Year Registered	2014	Discipline	Civil Engineering	
Contract Role(s) / Brief Description of Responsibilities			Road & Drainage		
Thomas will serve on the road and drainage team and will work closely on the detailed topographic surveys, focusing on stationing and cross-sectioning of roadways. He will be responsible for identifying and documenting drainage structures and any utilities that need adjustments during construction. Thomas' work will support the preparation of the preliminary and final plans, ensuring compliance with DOTD's standards. Thomas joined Waggoner in 2018, bringing ten years of experience in project management, 2D and 3D roadway design, traffic signal design, and bridge design. His expertise also includes commercial and passenger railroad design, traffic impact studies, roadway safety audits, and traffic planning and modeling. These projects have ranged from small projects with short deadlines to long-running, multi-disciplinary projects.					
Experience Dates (mm/yy-mm/yy)		Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
04/19 - Ongoing		Old Highway 80 Bridge Replacement, Meridian, Lauderdale County, MS Transportation Discipline Manager. Thomas served as the transportation discipline manager for this project. Built in 1926, the existing US 80 Bridge over Okatibbee Creek in Lauderdale County needed to be replaced. The old bridge was taken down and replaced with a new bridge that met Mississippi Office of State Aid Road Construction bridge standards. The project included environmental studies and permitting, surveying, hydraulic and hydrological analysis, bridge and roadway design, geotechnical engineering, utility coordination, and construction phase support services. Additional ROW and construction easements were acquired. The bridge's age and historical importance qualified it for nomination to the National Register of Historic Places, so Waggoner collaborated with the Mississippi Department of Archives and History to install a historical marker near the new bridge.			
01/19 - 12/23		Highland Commerce Drive, Ridgeland, Madison County, MS Transportation Discipline Manager. Thomas served as the transportation discipline manager for this project. Waggoner performed the professional engineering services required for the development of Phase A (Field Review plans) including utility relocation phase services, for the Highland Commerce Drive project. The project consists of upgrading 1.5 miles of existing road and an additional 1.5 miles of newly built roadway designed to handle large trucks and encourage development.			
2/20 - Ongoing		Reunion Parkway Phase 2, Madison County, MS Roadway Design, Subconsultant Management. Thomas's lead roles were roadway design and subconsultant management. This Phase A (Field Review plans) and Phase B (Final Construction plans) project crossed I-55 approximately two miles north of exit 108 and connects with Bozeman Road on the western side and Parkway East on the eastern side. The Reunion Parkway Phase 2 roadway will extend approximately 1.2 miles, including a bridge over I-55, and will include four travel lanes and a multi-use path (bikes and pedestrians). Services provided included design phases services, preparation of maps and deeds, and coordination of underground utility relocation.			
08/16 - 1/24		Riverside Drive Rehabilitation, Jackson, Hinds County, MS Lead Designer. Thomas served as the transportation discipline manager for this project. The project includes design and construction engineering services consisting of rehabilitation and improvements to Riverside Drive. Proposed improvements include geometric modifications to improve the typical section, pavement structure, and incorporate storm drainage improvements, utility relocation, pedestrian/bicyclist amenities, existing and proposed landscape related features, Americans with Disabilities Act (ADA) compliance, roadway signage, and public transportation nodes.			

16. STAFF EXPERIENCE:



Firm Employed By:  WAGGONER

Name	Maggie Wei, PE, CFM	Years of Relevant Experience with this Employer	4
Title	Discipline Manager - Water	Years of Relevant Experience with Other(s) Employers	11
Degree(s)/Years/Specialization	MS / 2008 / Civil and Environmental Engineering BS / 1999 / Applied Physics		
Active Registration Number/State/Expiration Date	PE#45616 / LA / 09.30.2027 CFM#US-21-12078		
Year Registered	2015	Discipline	Civil Engineering
Contract Role(s)/Brief Description of Responsibilities	Hydraulics/Drainage Design		

For these contracts, Maggie will serve as a hydraulics and drainage designer, developing effective drainage systems to manage stormwater and prevent flooding. She will analyze factors such as topography and precipitation to create designs that efficiently collect and control water flow, minimizing environmental impact and enhancing infrastructure resilience. Maggie's work will ensure safe and functional transportation networks under various weather conditions. Maggie joined Waggoner in February 2020, bringing with her 11 years of specialized experience in hydraulic modeling for riverine flooding, storm drainage systems, and wastewater collection systems. She currently serves as the Discipline Manager of the Hydrology and Hydraulics Department, providing technical leadership and supervision on hydraulic design, bridge scour analysis, roadway hydraulics, flood risk analysis, and watershed assessment.

Experience Dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
02/20 - 12/22	USDA/NRCS Priority Watershed Assessments, Statewide, MS H&H Project Manager. Maggie was responsible for developing a hydrology model in the HSPF program and performing pollutant reductions analyses in the STEPL tool, as well as preparing a report for watershed assessment. Waggoner coordinated efforts among federal and state agencies that led to the successful development of 26 watershed assessments across Mississippi. These assessments were developed according to requirements specified under the Mississippi River Basin Initiative (MRBI) and the National Water Quality Initiative (NWQI), two major collaborative initiatives between the United States Department of Agriculture (USDA), and the Environmental Protection Agency (EPA). These assessments provide all stakeholders with a framework to help define, quantify, and guide the planning and implementation of watershed protection and restoration activities. The completion of these assessments qualifies the state for federal funding for implementation.
02/22 - Ongoing	FEMA Risk MAP Program, Statewide, MS H&H Project Manager. Maggie is providing and managing H&H design services for this program. The FEMA Risk Map Program consist of multiple projects within 15 HUC-8 watersheds in Mississippi. Some of the projects have been completed and others are currently in progress. The completed work that Maggie managed includes extensive hydraulic surveying and modeling, publishing over 3,000 individual flood insurance rate maps, and working with community officials to help put these new tools to use. This program is ongoing for the Mississippi Department of Environmental Quality (MDEQ).
07/20 - Ongoing	East Brandon Bypass, Brandon, Rankin County, MS H&H Project Manager. Maggie provides and manages all hydraulics and hydrology efforts for the East Brandon Bypass project. Waggoner was tasked with completing the planning phase of the East Brandon Bypass, a 2.5-mile corridor intended to alleviate downtown traffic while allowing for future growth.
08/22 - 12/23	US 72 at Little Yellow Creek and Tennessee-Tombigbee Waterway, Burnsville, Tishomingo County, MS Project Manager. Maggie led all hydraulics and hydrology efforts for the project at Little Yellow Creek and Tennessee-Tombigbee Waterway. This work assignment, under MDOT's Hydraulic Engineering Services Master Contract, provided Phase I and Phase II bridge scour analysis which included data collection and qualitative analysis, hydrologic and hydraulic analyses, and scour analysis for bridge sites of US 72 for Little Yellow Creek and Tenn-Tom Waterway.

16. STAFF EXPERIENCE:



Firm Employed By:



Name	Wesley Melancon, PE		Years of Relevant Experience with this Employer	3
Title	Project Engineer		Years of Relevant Experience with Other(s) Employers	2
Degree(s)/Years/Specialization		BS / 2021 / Civil Engineering		
Active Registration Number/State/Expiration Date		PE#50614 / LA / 03.31.2028		
Year Registered	2025	Discipline	Civil Engineering	

Contract Role(s)/Brief Description of Responsibilities Roadway Design

Wesley joined Waggoner in 2023 as an Engineer Intern in the Baton Rouge office, where he has contributed to the design and development of roadway improvement projects. In this role, he supports project teams through plan development, data collection, and coordination efforts, and has gained experience in drainage design, assisting with hydrologic and hydraulic analyses for transportation projects.

Experience Dates (mm/yy-mm/yy) Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).

10/21 - Ongoing SECTION 17 PROJECT	I-10: LA 415 to Essen Lane on I-10/I-12 (CMAR), E. Baton Rouge Parish, LA (H.004100) Project Engineer. Wesley supported the design of stormwater drainage systems for this major interstate improvement project, contributing to the development of effective water management solutions for the interstate mainline, frontage roads, ramps, and associated outfalls. He assisted in hydrologic and hydraulic analyses to support the drainage design, ensuring compliance with LADOTD standards and project requirements. In addition to drainage, Wesley contributed to roadway design efforts, supporting plan development for roadway geometrics and typical sections. He also assisted in the preparation of quantity take-offs and cost estimates, helping to support project budgeting and advancement through the CMAR delivery process.
10/12 - Ongoing	Hooper Road Widening (LA 408) Blackwater-Joor, East Baton Rouge Parish, LA (H.002316) Project Engineer. Wesley supported both the drainage design and roadway geometrics for the Hooper Road widening project, contributing to the development of a four-lane corridor with a raised median, dedicated bike lanes, and ADA-compliant features. He assisted in hydrologic and hydraulic analyses and the design of stormwater systems, including roadside drainage, subsurface conveyance, and outfall considerations to ensure effective water management throughout the corridor. Wesley also contributed to roadway geometric design, including horizontal and vertical alignments and typical sections, ensuring consistency with LADOTD standards. Additionally, he assisted in preparing quantity take-offs and cost estimates to support project budgeting and design progression.
05/23 - Ongoing	Carroll Avenue over Middle Creek Colyell Creek, Livingston Parish, LA Project Engineer. Kelsie provided checking for the roadway and drainage design and plans. The work included assuring proposed design criteria met minimum design guidelines with consideration for practical design fitting assessed site conditions. Kelsie is checking the geometric layout (horizontal and vertical), drainage calculations, typical sections and cross sections, and quantity computations. Waggoner was contracted by LADOTD to provide preliminary and final engineering and plan preparation to replace a 62-foot by 20-foot railcar bridge with a new 24-foot by 80-foot cast-in-place slab span bridge. The new bridge utilizes the Off-System Slab Span standard details for the proposed clear width. Waggoner also completed road and drainage design, bridge hydraulic and scour impact analyses, topographic survey, property survey, and preparation of ROW maps all while adhering to rigorous quality control measures.
07/19 - Ongoing	MOVEBR Program Management, East Baton Rouge Parish, LA: Project Engineer. Wesley assisted in project management and the preparation of bid packages for various projects under the MOVEBR program. This \$1.0 billion initiative is the largest transportation infrastructure program in East Baton Rouge Parish's history. Funded by a tax proposition, the program aims to increase roadway capacity and enhance safety, mobility, and access management. Additional improvements include pavement resurfacing, traffic signal synchronization, turn lane upgrades, drainage enhancements, lighting, ADA compliance, and Complete Street elements such as cycling paths, sidewalks, transit accommodations, and Green Infrastructure.

16. STAFF EXPERIENCE:



Firm Employed By:  **DRMP**

Name	Anthony Smith			Years of Relevant Experience with this Employer	12
Title	Alternative Delivery Design			Years of Relevant Experience with Other(s) Employers	14
Degree(s)/Years/Specialization			AA / 1998		
Active Registration Number / State / Expiration Date			N/A		
Year Registered	N/A	Discipline	Civil		
Brief Description of Responsibilities		Roadway and Hydraulics			

Anthony Smith serves as an Alternative Delivery Design Specialist for DRMP's Alternative Delivery Market Sector. He has over 20 years of experience in producing plans for both roadway and temporary traffic control design projects and is proficient in MicroStation, GEOPAK, AutoTURN, and GuideSIGN. His responsibilities also include preparing design calculations and reports for a variety of projects, including pavement design, typical section package, horizontal and vertical geometry, superelevation layout, guardrail calculations, limited access interchange design and intersection design, lane closure calculations, and traffic pacing calculations.

Experience Dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
11/20 - 9/23	SR 516 (Lake Orange Expressway) from Orange/Lake County Line to SR 429 (Segment 3) (Contract #516-238), Central Florida Expressway Authority, Orange County, Florida: Senior Roadway Designer for this new systems interchange connecting SR 429 to SR 516, a new 4-lane limited access toll facility that extends to US 27. This interchange includes five new bridges, with two using concrete Florida-U beams and three using steel box girders, and four bridge widenings, where three are using Florida-I beams and one is using steel I-girders. This project also includes two miles of roadway improvements along SR 429, which includes widening, adding ramps, and milling and resurfacing of the remaining existing roadway, a new dual teardrop roundabout at the interchange with Valencia Parkway, permitting with FDEP and SFWMD, coordination with Orange County, Lake County, and local landowners, drainage, intelligent transportation systems, lighting, signing and pavement markings, tolling, aesthetics, and geotechnical services.			
04/18 - 02/20	SR 528/SR 436 Interchange Improvements and SR 528 Widening from SR 436 to Goldenrod Road (Contract #528-143), Central Florida Expressway Authority, Orange County, Florida: Senior Roadway Designer responsible for horizontal and vertical geometry and Temporary Traffic Control Plans for the reconstruction of the SR 528/SR 436 interchange and widening of SR 528 from 4-lanes to 6-lanes with an auxiliary lane eastbound to Goldenrod Road and westbound to Conway Road. This project includes construction of seven new bridges using a mix of steel box girders and concrete Florida-U Beams as well as the replacement of one box culvert. This project also involved extensive coordination with the Greater Orlando Aviation Authority and the Federal Aviation Administration as this interchange serves as the north entrance and exit to the Orlando International Airport. The high-profile design and critical connection to the tourist and business hubs of central Florida is crucial to maintain the highest level of service during all phases of development, combined with a short construction duration of just over two years, aesthetic improvements of terraced walls with pylons, made the TTCP the one of the most important parts of the design. Other project design elements included complex maintenance of traffic, drainage design, permitting, signing and pavement marking, lighting, signalization, intelligent transportation systems, and geotechnical analysis.			
9/15 - 1/19	SR 408 Widening from SR 417 to Alafaya Trail (Contract 408-128), Central Florida Expressway Authority, Orange County, Florida: Senior Roadway Designer for the widening of a limited access toll facility from 4-lanes to 6-lanes, continuing the overall widening of SR 408 from downtown Orlando to the eastern roadway terminus at Alafaya Trail, includes interchange modification with the reconstruction of two ramps at Rouse Road, existing mainline toll plaza modifications, one new ramp toll plaza, three bridge widenings, and one bridge replacement over Alafaya Trail. The widening alleviates congestion at the current point of lane reduction just east of the SR 417 interchange, adds capacity with additional travel lanes and auxiliary lanes, improves safety with features such as increased clear zones, wrong way detection, and guardrail height. Design elements include highway design, drainage, structures, intersections, interchanges, toll plazas, temporary traffic control plans, lighting, intelligent transportation systems, signalization, signing and pavement marking, and utility coordination.			

Anthony Smith continued

2/14 - 6/15	SR 528 (Beachline) Widening from I-4 to Florida's Turnpike (MP 0-4.3), Florida's Turnpike Enterprise, Orange County, Florida: Senior Roadway Designer for widening 4.3 miles of SR 528 from a 4-lane to 8-lane limited access toll facility with inside express toll lanes with delineators in each direction. Project limits are from I-4 to Florida's Turnpike. Plans include roadway, drainage, bridge widenings with Florida-I Beams (six sites), replacement bridges (one site), ramp bridges (two sites), toll gantry, signing and pavement marking, maintenance of traffic, lighting, signals, intelligent transportation system, environmental permitting, and surveying.
7/20 - 6/21	SR 538 (Poinciana Parkway) Capacity Improvements from Ronald Reagan Parkway to Cypress Parkway Design-Build (Contract #538-165), The Lane Construction Corporation for Central Florida Expressway Authority, Osceola County, Florida: Senior Roadway Designer for this \$94.4 million design-build project that widens SR 538 from a 2-lane undivided roadway to a 4-lane divided expressway for seven miles. This project includes the design of new bridges over the Reedy Creek Mitigation Bank, Marigold Avenue, and KOA Street using Florida-I Beams and founded on prestressed concrete piles. The bridge over the Reedy Creek Mitigation Bank is over a mile long, designed to minimize environmental impacts and has minimum vertical clearance that allows the safe passage of wildlife below. The project also included over two miles of sound walls, drainage, environmental, permitting, signing and pavement markings, intelligent transportation systems, lighting, all-electronic tolling, and utility upgrades for the Toho Water Authority. The design-build team's innovative designs included a revised pile configuration that saved \$5 million in project costs.
12/22 - Ongoing	I-275 at I-4 Interchange Improvements Design-Build, The Lane Construction Corporation for FDOT District Seven, Hillsborough County, Florida: Senior Roadway Designer for this interchange improvements project, which includes the design and construction of six new bridges, eight bridge widenings/modifications, four existing bridge coatings, and two existing bridge railing retrofits; widening the existing roadway from 2-lanes to 3-lanes in specific segments; improving existing drainage facilities, and providing complex temporary traffic control plans throughout each phase of the project to minimize disruption for all users. The design-build team's innovative alternative technical concept includes an innovative new dual-lane flyover bridge to accommodate the I-275 southbound traffic onto I-4 eastbound without needing a complex widening. This eliminates over 100 detours by performing off-line construction and provides FDOT with the opportunity to add a new I-4 eastbound auxiliary lane to the Selmon Expressway exit just east of the downtown interchange. Other project design elements include permitting, signing and pavement marking, lighting, signalization, intelligent transportation systems, landscape, and geotechnical.
10/18 - 9/23	Wekiva Parkway Section 8 Interchange Design-Build, The Lane Construction Corporation for FDOT District Five, Seminole County, Florida: Senior Roadway Designer responsible for horizontal and vertical geometry of the project concept and Alternative Technical Concepts, for the design and construction of 2.63 miles of limited access toll road starting from Orange Boulevard to east of Rinehart Road. This \$263.3 million project includes a new system to system interchange that connects I-4, SR 417, and SR 429 as well as accommodates future express lanes. The project includes 20 new bridges and two bridge widenings. Bridge types include a combination of single and multi-span bridges, concrete Florida-I Beams, and steel plate girders. The design-build team's approved interchange alternative technical concept improves operations and safety during and after construction, while reducing overall impacts and long-term maintenance costs. Other project design elements include complex maintenance of traffic, drainage design, permitting, signing and pavement marking, lighting, signalization, intelligent transportation systems, landscape, geotechnical, tolling, and surcharge areas to consolidate deep muck.

16. STAFF EXPERIENCE:



Firm Employed By:  DRMP				
Name	Kimberly Sadowski, PE, RSP1		Years of Relevant Experience with this Employer	25
Title	Roadway Project Manager		Years of Relevant Experience with Other(s) Employers	0
Degree(s)/Years/Specialization		BS / 1999 / Civil Engineering		
Active Registration Number / State / Expiration Date		PE #87312 / FL / 02.28.27		
Year Registered	2019	Discipline	Civil	
Contract Role(s)/Brief Description of Responsibilities		Roadway and Hydraulics		
Kimberly Sadowski, PE, RSP1, serves as a Roadway Project Manager for DRMP's Transportation Market Sector. Her experience includes design and production of roadway design, pavement design and minor drainage design. The scope of projects that Ms. Sadowski has completed ranges from minor intersection improvements to major roadway reconstruction projects. She is trained in specifications, utility coordination and maintenance of traffic.				
Experience Dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
06/17 - 05/18	SR 223, Starke Bypass Segment 2, FDOT District Two, Bradford County, Florida: Roadway Designer responsible for plans preparation for the design of a 2.2-mile new alignment 4-lane rural facility. The project includes new alignment, milling and resurfacing of existing side streets, drainage, permitting, two bridges, maintenance of traffic, utility coordination, signing and pavement marking, signalization, Right-of-Way acquisition and public involvement.			
02/06 - 03/19	SR 312 Ultimate Extension, FDOT District Two, St. Johns County, Florida: Roadway Designer for a 4.1-mile new alignment project from just south of SR 207 to SR 16. The project developed 45% plans to include design of a 6-lane urban and suburban typical design of four bridge structures, stormwater treatment facilities, permitting, widening, milling and resurfacing, maintenance of traffic, utility coordination, signing and pavement marking, signalization, survey and development of Right-of-Way maps.			
05/22 - Ongoing	SR 312 Extension from SR 207 to SR 16, FDOT District Two, St. Johns County, Florida: Engineer of Record and Project Manager for a 4.1-mile alternative alignment and alternative intersections study for the SR 312 corridor from SR 207 to SR 16 based on the proposed new alignment shown in the previously developed 45% plans. The project includes PD&E Support for the Environmental Re-evaluation and preparation of final plans for the selected preferred alternative alignment and alternative intersections.			
7/15 - Ongoing	US 1 Intersections Bundle and SR 600 from Emmett Street to North Charles Street, FDOT District Five, Brevard and Volusia Counties, Florida: Roadway Designer responsible for roadway and traffic improvements at several intersections along SR 5/US 1 and SR 600/US 92 from Emmett Street to North Charles Street. Specifically, she was responsible for design of traffic signal improvements to install mast arms at five intersections along SR 5/US 1 including at Hibiscus Boulevard, SR 500 (US 192), Ballard Drive/Babcock Street, Prospect Avenue and New Haven Avenue. She was also responsible for drainage improvements to mitigate flooding issues on SR 600/US 92 from Emmett Street to North Charles Street by constructing additional curb inlets and replacing the existing storm drain trunkline with a larger pipe system.			
5/20 - 1/24	SR 5 Castaway Marine Drainage Outfall and Resurfacing, KCA for FDOT District Five, Brevard County, Florida: Engineer of Record that was responsible for construction plans for maintenance of traffic for the replacement of a failing cross drain system from the west side of SR 5/SR 500 south of Madrid Drive. This section is a 4-lane, divided rural with paved shoulders and sidewalks in each direction. The failing cross drain falls within an existing drainage easement through the Castaway Marine property on the east side of SR 5/SR 500 and discharges into the Indian River Lagoon. Tasks included roadway analysis, roadway plans, drainage analysis and plans, environmental permits, signing and pavement marking, lighting analysis and plans. Permits obtained include SJRWMD general permit and USACE Nationwide permit.			

7/18 - 12/21	5th Street over Yacht Club Cut Bridge Replacement, City of New Smyrna Beach, Volusia County, Florida: Roadway Designer and Roadway Engineer of Record responsible for the PD&E study and final design for this bridge replacement project. The facility is a 2-lane roadway providing access from the mainland to an island community and marina. The bridge typical section consists of two 9-foot lanes, with 2.5-foot shoulders and a 5-foot sidewalk with traffic railings. The bridge superstructure is comprised of a 3-span Florida Slab Beam (FSB) superstructure using stainless steel reinforcing and consisting of 54-foot spans. The roadway and bridge will be reconstructed on the existing alignment. A temporary ACROW bridge will provide access during the bridge replacement. Scour and tidal influences will play a critical role in design of the structure. The project included two public meetings; one in person and one virtual. A Type I Categorical Exclusion was approved for the project. Mitigation planning included establishing an off-site preservation area and relocating oysters within the project footprint. US Coast Guard and National Marine Fisheries Services coordination and environmental permitting with the St. Johns River Water Management District (SJRWMD) and USACE was completed. This project includes PD&E study, public meeting coordination, Coast Guard coordination, mitigation and environmental permitting, geotechnical investigations, survey, Right-of-Way mapping, utility coordination, roadway, drainage, coastal hydraulics, structures, lighting and signing and pavement marking. This is a LAP project between the City of New Smyrna Beach and District Five.
9/19 - 9/21	SR 312 Interim Extension from SR 312/SR 207 Intersection to Holmes Boulevard, FDOT District Two, St. Johns County, Florida: Roadway Engineer and Roadway Engineer of Record responsible for construction plans for the design of an interim 2-lane facility along the proposed SR 313 corridor between SR 207 and Holmes Boulevard. The new alignment includes stormwater treatment, permitting, widening, milling and resurfacing, maintenance of traffic, utility coordination, signing and pavement marking, signalization, lighting and survey for a rural 2-lane typical.
03/17 - 03/22	Professional Engineering Design Services - Intersection Improvement Projects, Orange County, Florida: Roadway Designer for this continuing contract with Orange County. • Texas Avenue at Rio Grande Avenue, Orange County, Florida: Roadway Designer responsible for the construction plans preparation for shifting the eastbound approach at Texas Avenue and Rio Grande Avenue in Orlando to allow for sidewalk and provide a sidewalk connection of approximately 1,700 feet of sidewalk to on the south side of Texas Avenue to match existing. • John Young Parkway at Americana Boulevard, Orange County, Florida: Roadway Designer responsible for radii and pedestrian improvements at the intersection on the northwest, northeast and southeast quadrants. • University Boulevard at Forsyth Road, Orange County, Florida: Roadway Designer responsible for radii and pedestrian improvements at the intersection on the northwest and northeast quadrants. • Waterford Lakes Parkway at Cypress Lakes Circle, Orange County, Florida: Roadway Designer responsible for construction plans for the construction of a westbound left turn lane and revising the median opening from a full median opening to a directional opening.
4/14 - 5/18	Pineda Causeway Grade Separation Overpass, Brevard County, Florida: Roadway Designer responsible for roadway design support for this grade separated overpass for Pineda Causeway over the Florida East Coast Railway. The project limits begin just east of North Wickham Road and end just west of US 1. More than 3,000-feet of temporary wall will be used to maintain traffic during construction. This project also includes 2,100-feet of permanent retaining wall and traffic signal mast arms. Other design elements will include roadway, intersections, interchanges, traffic control plans, lighting, utility relocation, Right-of-Way survey control maps, cost estimates and environmental permits and mitigation plans.

16. STAFF EXPERIENCE:



Firm Employed By:  **DRMP**

Name	James Fike, PE, CFM		Years of Relevant Experience with this Employer	<1
Title	Drainage Group Leader		Years of Relevant Experience with Other(s) Employers	23
Degree(s)/Years/Specialization	BS / 2001/Civil and Environmental Engineering			
Active Registration Number / State / Expiration Date	PE #67096 / FL/ 02.28.2027 PE #PE035772 / GA / 12.31.2026 PE #037608 / NC / 12.31.2026 PE #124407 / TN / 01.31.2027			
Year Registered	2007	Discipline	Civil	

Contract Role(s)/Brief Description of Responsibilities Drainage

James Fike, PE, CFM, serves as a Drainage Group Leader for DRMP's Transportation Market Sector. His experience includes public sector drainage and water resources projects for FDOT Districts One, Two, Five, and Seven, as well as Florida's Turnpike Enterprise, FDOT's Corridors Program Office, and local municipalities. He is knowledgeable of hydraulic and hydrologic modeling, design of open and closed drainage systems, hydraulic modeling of bridges and culverts, and design of a wide variety of stormwater management facilities to meet water quality and attenuation criteria. Mr. Fike has also successfully permitted projects with multiple agencies.

Experience Dates (mm/yy-mm/yy) Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).

2/24 - Ongoing	SR 40 from End of 4-Lanes to East of CR 314 (FPID #410674-2-32-01; Contract #C9247), FDOT District Five, Marion County, Florida (2011 - Ongoing): Lead Drainage Engineer/Drainage Engineer of Record on this project that includes widening and reconstruction of approximately five miles of SR 40 from 2-lanes to 4-lanes with a multi-use trail. SR 40 is classified as an urban principal arterial providing an east-west route between Ocala and Daytona linking I-75 with I-95. The project is located within the Ocklawaha River and Silver Springs River watersheds. Project improvements include twin bridges serving as wildlife crossings in two locations, open channel and storm drain systems, stormwater ponds, and treatment swales using Biosorption Activated Media (BAM) to meet water quality treatment criteria.
10/24 - Ongoing	Accelerated Start Project Segment B - I-4 (SR 400) from West of SR 429 to East of World Drive, FDOT Corridors Program Office, Osceola County, Florida: Lead Drainage Engineer/Drainage Engineer of Record on this critical segment of the I-4 Accelerated Start Project that continues FDOT's first use of the Modified Phased Design-Build (MPDB) approach. Segment B includes the construction of new congestion relief lanes to improve traffic flow, with targeted completion of these lanes by late 2026. The project also incorporates capacity expansion to accommodate future express lanes and provisions for future rail, ensuring long-term multimodal transportation solutions. The MPDB method fosters early collaboration between design and construction teams, expediting project delivery while minimizing impacts on the traveling public. The success of this segment will further solidify MPDB as a model for future FDOT projects.
10/23 - Ongoing	I-75/SR 93A at Gibsonton Drive, FDOT District Seven, Hillsborough County, Florida: Lead Drainage Engineer/Drainage Engineer of Record on this project providing design and construction plans for modifying the existing interchange at I-75/Gibsonton Drive to a Diverging Diamond Interchange (DDI) in accordance with the PD&E study and SIMR. Ultimate express lanes will be taken into consideration during the design but are not included for construction under this contract. The project includes a new parallel bridge for Gibsonton Drive over I-75 to accommodate a 6-lane typical section. Existing Gibsonton Drive over I-75 will require redecking due to existing precast deck panels and possible widening depending on final DDI configuration. A new bridge parallel to I-75 northbound over the Alafia River is proposed for the westbound to northbound traffic on-ramp which may also require the widening of the existing I-75 northbound bridge over Riverview Drive. An auxiliary lane is proposed for the northbound I-75 off-ramp which includes the widening of the northbound bridge over Bullfrog Creek. Limits of widening/reconstruction on Gibsonton Drive will extend from west of New East Bay Road to east of Branwood Drive. Project will also include drainage and stormwater design, signing and pavement markings, signalization, lighting, intelligent transportation systems (ITS) relocation, environmental permitting and miscellaneous structures.

James Fike, PE, CFM, Continued

06/23 - Ongoing	Crandall Road Over McQueen Swamp Bridge Replacement PD&E and Final Design, Graef-USA for FDOT District Two, Nassau County, Florida: Senior Drainage Engineer for the PD&E and final design for replacement of a structurally deficient bridge-culvert on Crandall Road over Swamp Creek. The project included preliminary design of associated roadway and drainage improvements, hydrologic and hydraulic modeling of Swamp Creek using ICPR, preparation of a Bridge Hydraulics Report, development of temporary drainage for maintenance of traffic alternatives including phased construction, and use of an on-site diversion and permitting with SJRWMD.
02/24 - 02/25	SR 535 (Vineland Road) PD&E Study, FDOT District Five, Osceola and Orange Counties Florida (2020 - 2024): Drainage Quality Control Reviewer for this project where the purpose was capacity and access management improvements along the highly congested Vineland Road near World Center Drive. In addition to adding an additional travel lane, this study evaluated operational improvements to relieve congestion at closely spaced signalized intersections. Multiple options were evaluated at World Center Drive to provide grade separation at this intersection. The project included evaluation of offsite and joint-use ponds, as well as development of Pond Siting and Location Hydraulic Reports.
03/24 - Ongoing	SR 417 (Seminole Expressway) Widening from SR 434 to North of CR 427 (MP 44-49.4) and AET Toll Site Replacement from Aloma to North of CR 427 (MP 38 - MP 49.4), Florida's Turnpike Enterprise, Seminole County, Florida: Lead Drainage Engineer/ Drainage Engineer of Record for this project widening the Seminole Expressway (SR 417) from 4- to 8-lanes between the SR 434 interchange (MP 44) and north of the CR 427/Lake Mary Boulevard interchange (MP 49.4). This includes evaluating previously widened pavement for milling and resurfacing, and the widening of 10 bridges. Additionally, the design will include drainage and stormwater management system design, pavement markings, signals, lighting, intelligent transportation systems (ITS), noise walls, and a re-evaluation of the 2007 PD&E (including the 2016 updates) to address modifications such as AET changes, noise barrier designs, road and bridge design changes, and compensatory drainage treatment for the proposed bridge improvements over Lake Jesup. Necessary supporting documents will be developed as part of this process. The project includes the demolition of unused cash lanes and canopies at the Lake Jesup ORT Plaza, and the transition to full AET at ramp toll plazas.
01/16 -10/23	Turnpike Mainline Widening from Palm Beach Service Plaza to North of Okeechobee Boulevard, Florida's Turnpike Enterprise, Palm Beach County, Florida (2016 - 2023): Project Manager/Senior Drainage Engineer/Drainage Engineer of Record on the design team providing drainage, environmental, tolls, and significant structures design for the widening of the Turnpike mainline from the West Palm Beach Service Plaza to SR 704. This section of the Turnpike is constrained by canals adjacent to the southbound lanes and Florida Gas Transmission lines adjacent to the northbound lanes. The team worked diligently to minimize impacts to the Florida Gas Transmission lines and adjacent canals, including utilizing hydraulic modeling to show what adjustments to the canal cross sectional area could be accommodated. Additionally, the design team provided cost-effective hydraulic solutions that met the criteria of the permitting agency. The design team also investigated multiple wall options to determine the best solution for Florida's Turnpike Enterprise. In order to reduce project costs, the team offered alternative solutions for the design of walls, bridges, and box culverts.
	(Work Prior to DRMP) Crandall Road Over McQueen Swamp Bridge Replacement PD&E and Final Design, Graef-USA for FDOT District Two, Nassau County, Florida (Jul 2023 - Ongoing): Senior Drainage Engineer for the PD&E and final design for replacement of a structurally deficient bridge-culvert on Crandall Road over Swamp Creek. The project included preliminary design of associated roadway and drainage improvements, hydrologic and hydraulic modeling of Swamp Creek using ICPR, preparation of a Bridge Hydraulics Report, development of temporary drainage for maintenance of traffic alternatives including phased construction, and use of an on-site diversion and permitting with SJRWMD

16. STAFF EXPERIENCE:



Firm Employed By:  DRMP					
Name	Donald Brown, PE			Years of Relevant Experience with this Employer	28
Title	Drainage Division Leader			Years of Relevant Experience with Other(s) Employers	0
Degree(s)/Years/Specialization		BS / 1997 / Civil Engineering			
Active Registration Number / State / Expiration Date		PE #59272 /FL / 02.28.2027			
Year Registered	2003	Discipline	Civil		
Brief Description of Responsibilities		Hydraulic Engineering Services			

Donald Brown, PE, serves as a the Drainage Division Leader and a Senior Project Manager for DRMP's Transportation Market Sector. He is responsible for management and development of stormwater systems and transportation permitting. Mr. Brown's expertise include drainage design oversight, permitting of stormwater management systems (primary and secondary), floodplain modeling, bridge hydraulics analysis, pond siting analysis and quality assurance/quality control. He has acquired a strong knowledgebase in environmental regulatory permitting at the federal, state and local levels. Mr. Brown's experience includes widening and new construction projects for Central Florida Expressway Authority, Florida's Turnpike Enterprise and several FDOT Districts.

Experience Dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
10/18 - 06/23	Wekiva Parkway Section 8 Interchange Design-Build, The Lane Construction Corporation for FDOT District Five, Seminole County, Florida: Senior Drainage Engineer and Drainage Engineer of Record responsible for design and permitting of stormwater management systems (primary and secondary), floodplain modeling and compensating storage design for the design of a limited access toll road starting from Orange Boulevard to east of Rinehart Road. This \$263.3 million project includes a new system to system interchange that connects I-4, SR 417 and SR 429 as well as accommodates future express lanes. The project includes 20 new bridges and two bridge widenings. Bridge types include a combination of single and multi-span bridges, concrete Florida-I Beams and steel plate girders. The design-build team's approved interchange alternative technical concept improves operations and safety during and after construction, while reducing overall impacts and long-term maintenance costs. Other project design elements include complex maintenance of traffic, drainage design, permitting, signing and pavement marking, lighting, signalization, intelligent transportation systems, landscape, geotechnical, tolling and surcharge areas to consolidate deep muck.			
06/07 - 12/17	SR 589 (Suncoast Parkway 2) (MP 54.7-63.3), Florida's Turnpike Enterprise, Hernando and Citrus Counties, Florida: Deputy Project Manager and Drainage Engineer of Record for the design of nine miles of new limited access all-electronic tolling facility to extend the Suncoast Parkway. The 9-mile section included 10 bridges and two diamond interchanges and toll facilities. This work also involved managing a re-evaluation for the entire 27-mile corridor and environmental permitting for the entire project. Provided drainage design and permitting services for nine miles of new 4-lane expressway (expandable to 8-lanes) from US 98 north to Grover Cleveland Boulevard.			
06/16 - 12/21	SR 91 (Florida's Turnpike Mainline) Widening from SR 50 Interchange to Minneola Interchange (MP 273-279), Florida's Turnpike Enterprise, Orange and Lake Counties, Florida: Drainage Quality Reviewer responsible for the \$162.3 million widening of six miles of SR 91 from a 4-lane to 8-lane limited access facility. The project included a Public Meeting, extensive coordination with local agencies and presentations to County Commissioners and City Councils along with the development of Interlocal Agreements. The design consisted of 6.5 miles of roadway reconstruction including two interchanges, phased maintenance of traffic including a diversion for the length of the project limits, and two roundabouts along CR 455 adjacent to an overpass structure. The structural design effort was from the concept stage through final design for all structural elements on this project which included the replacement of the twin mainline bridges over Jones Road and Old Highway 50, the replacement of the CR 438 and CR 455 bridges, the replacement of the West Orange Trail pedestrian bridge and the addition of a new bridge to convey Fosgate Road over the mainline. The most significant project challenge was the structural design to accommodate traffic control. This required the extensive use of temporary walls and the design of temporary bridges to convey mainline traffic at the three bridge sites. Plans included all electronic tolling facility toll gantries, roadway, drainage, utility coordination, signing and pavement markings, temporary traffic control, structures, lighting, intelligent information systems, environmental permitting and surveying. The project also included the purchase of Right-of-Way for ponds only.			

Donald Brown, PE continued

07/18 - 12/21	5th Street over Yacht Club Cut Bridge Replacement, City of New Smyrna Beach, Volusia County, Florida: Roadway Designer and Roadway Engineer of Record responsible for the PD&E study and final design for this bridge replacement project. The facility is a 2-lane roadway providing access from the mainland to an island community and marina. The bridge typical section consists of two 9-foot lanes, with 2.5-foot shoulders and a 5-foot sidewalk with traffic railings. The bridge superstructure is comprised of a 3-span Florida Slab Beam (FSB) superstructure using stainless steel reinforcing and consisting of 54-foot spans. The roadway and bridge will be reconstructed on the existing alignment. A temporary ACROW bridge will provide access during the bridge replacement. Scour and tidal influences will play a critical role in design of the structure. The project included two public meetings; one in person and one virtual. A Type I Categorical Exclusion was approved for the project. Mitigation planning included establishing an off-site preservation area and relocating oysters within the project footprint. US Coast Guard and National Marine Fisheries Services coordination and environmental permitting with the St. Johns River Water Management District (SJRWMD) and USACE was completed. This project includes PD&E study, public meeting coordination, Coast Guard coordination, mitigation and environmental permitting, geotechnical investigations, survey, Right-of-Way mapping, utility coordination, roadway, drainage, coastal hydraulics, structures, lighting and signing and pavement marking. This is a LAP project between the City of New Smyrna Beach and District Five.
01/13 - 03/13	Suncoast Parkway Emergency Flood Repairs (MP 54-55), Florida's Turnpike Enterprise, Hernando County, Florida: Lead Drainage Engineer for preparation of a drainage report documenting analysis and stormwater modeling to evaluate long term solutions for roadway flooding. The parkway experienced flooding of the shoulders in 2004 and complete closure of all lanes in 2012. Responsibilities also included preparing construction plans to expand ponds to eliminate flooding at the northern end of the existing Suncoast Parkway. The construction plans included work to expand an existing pond just south of US 98, stockpiling of dirt and environmental work for gopher tortoises and permitting.
04/18 - 02/20	SR 528/SR 436 Interchange Improvements and SR 528 Widening from SR 436 to Goldenrod Road (Contract #528-143), Central Florida Expressway Authority, Orange County, Florida: Senior Roadway Designer responsible for horizontal and vertical geometry and Temporary Traffic Control Plans for the reconstruction of the SR 528/SR 436 interchange and widening of SR 528 from 4-lanes to 6-lanes with an auxiliary lane eastbound to Goldenrod Road and westbound to Conway Road. This project includes construction of seven new bridges using a mix of steel box girders and concrete Florida-U Beams as well as the replacement of one box culvert. This project also involved extensive coordination with the Greater Orlando Aviation Authority and the Federal Aviation Administration as this interchange serves as the north entrance and exit to the Orlando International Airport. The high-profile design and critical connection to the tourist and business hubs of central Florida is crucial to maintain the highest level of service during all phases of development, combined with a short construction duration of just over two years, aesthetic improvements of terraced walls with pylons, made the TTCP the one of the most important parts of the design. Other project design elements included complex maintenance of traffic, drainage design, permitting, signing and pavement marking, lighting, signalization, intelligent transportation systems, and geotechnical analysis.

16. STAFF EXPERIENCE:

	Firm Employed By: 				
	Name	Steven D'Uva, PE		Years of Relevant Experience with this Employer	12
	Title	Roadway Engineer		Years of Relevant Experience with Other(s) Employers	1
	Degree(s)/Years/Specialization		BS / 2010 / Civil Engineering		
	Active Registration Number / State / Expiration Date		PE #85365 / FL / 02.28.2027		
Year Registered	2018	Discipline	Civil		
Contract Role(s)/Brief Description of Responsibilities		Roadway Design			
Steven D'Uva, PE, serves as a Roadway Engineer for DRMP's Transportation Market Sector. His responsibilities include plans production and design calculations for roadway design projects, including limited access and resurfacing projects for Florida's Turnpike Enterprise, Central Florida Expressway Authority, Orange and Brevard Counties and FDOT Districts One, Four, Five and Seven. He is proficient in MicroStation, OpenRoads, GEOPAK and AutoCAD.					
Experience Dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).				
06/16 - 12/21	SR 91 (Florida's Turnpike Mainline) Widening from SR 50 Interchange to Minneola Interchange (MP 273-279), Florida's Turnpike Enterprise, Orange and Lake Counties, Florida: Roadway Engineer responsible for the plans production of roadway design for the \$162.3 million widening of six miles of SR 91 from a 4-lane to 8-lane limited access facility. The project included a Public Meeting, extensive coordination with local agencies and presentations to County Commissioners and City Councils along with the development of Interlocal Agreements. The design consisted of 6.5 miles of roadway reconstruction including two interchanges, phased maintenance of traffic including a diversion for the length of the project limits, and two roundabouts along CR 455 adjacent to an overpass structure. The structural design effort was from the concept stage through final design for all structural elements on this project which included the replacement of the twin mainline bridges over Jones Road and Old Highway 50, the replacement of the CR 438 and CR 455 bridges, the replacement of the West Orange Trail pedestrian bridge and the addition of a new bridge to convey Fosgate Road over the mainline. The most significant project challenge was the structural design to accommodate traffic control. This required the extensive use of temporary walls and the design of temporary bridges to convey mainline traffic at the three bridge sites. Plans included all electronic tolling facility toll gantries, roadway, drainage, utility coordination, signing and pavement markings, temporary traffic control, structures, lighting, intelligent information systems, environmental permitting and surveying. The project also included the purchase of Right-of-Way for ponds only. This project is currently in construction				
06/07 - 12/17	SR 589 (Suncoast Parkway 2) (MP 54.7-63.3), Florida's Turnpike Enterprise, Hernando and Citrus Counties, Florida: Roadway Engineer for the design of approximately nine miles of roadway and the interchanges along US 98 and Cardinal Road. The overall project was a new limited access all-electronic toll facility to extend the Suncoast Parkway. Responsibilities included design, project coordination and quality control. This section included ten bridges, two diamond interchanges and toll facilities. The complete design included plans for roadway, drainage, bridge, intelligent transportation systems, signing and pavement markings, signals, lighting, Right-of-Way mapping and environmental permitting. This work also involved managing a re-evaluation for the entire 27-mile corridor and environmental permitting for the entire project.				

11/20 - Ongoing	SR 516 (Lake Orange Expressway) from Orange/Lake County Line to SR 429 (Segment 3) (Contract #516-238), Central Florida Expressway Authority, Orange County, Florida: Engineer of Record responsible for horizontal and vertical geometry for this new systems interchange connecting SR 429 to SR 516, a new 4-lane limited access toll facility that extends to US 27. This interchange includes five new bridges, with two using concrete Florida-U Beams and three using steel box girders and four bridge widenings, where three are using Florida-I Beams and one is using steel I-girders. This project also includes two miles of roadway improvements along SR 429, which includes widening, adding ramps and milling and resurfacing of the remaining existing roadway, a new dual teardrop roundabout at the interchange with Valencia Parkway, permitting with FDEP and SFWMD, coordination with Orange County, Lake County and local landowners, drainage, intelligent transportation systems, lighting, signing and pavement markings, tolling, aesthetics and geotechnical services.
02/14 - 06/15	SR 528 (Beachline) Widening from I-4 to Florida's Turnpike (MP 0-4.3), Florida's Turnpike Enterprise, Orange County, Florida: Roadway Engineer responsible for plans production and preparation of design profiles and alignments for widening 4.3 miles of SR 528 from a 4-lane to 8-lane limited access toll facility with two inside express toll lanes separated by a 4-foot buffer with delineators in each direction. Plans included roadway, drainage, bridge widenings with Florida-I Beams (three sites), replacement bridges (one site), new ramp bridges (two sites), toll gantry, signing and pavement markings, maintenance of traffic, lighting, signals, intelligent transportation systems, environmental permitting and surveying.
04/15 - 03/16	SR 528 (Beachline) Widening from Florida's Turnpike to McCoy Road (MP 4.3-8.4), Florida's Turnpike Enterprise, Orange County, Florida: Roadway Engineer for the widening into the median of four miles from 6-lanes to 8-lanes by adding one express lane in each direction separated by a 2-foot buffer with delineators. Plans included roadway, drainage, bridge widenings (Florida's Turnpike, US 441 and Landstreet Road), modifications to the existing toll gantry/cash toll plaza, signing and pavement markings, maintenance of traffic, lighting, intelligent transportation systems, environmental permitting and surveying.
08/07 - 11/18	St. Johns Heritage Parkway Southern Project, Brevard County Public Works, Brevard County, Florida: Roadway Engineer that was responsible for the design of a 2-lane divided suburban roadway that can be expanded to a future 4/6-lane section. The original project was split into two sections, with the southern section from the Melbourne City limits to US 192, being schedule first for construction. This project included 3.1 miles of new 2-lane roadway improvements and 0.3 miles of side street widening improvement along US 192. This project involved stormwater design, environmental permitting, intersection design, roadway design, bridge design, utility coordination, Right-of-Way mapping and pedestrian features. The drainage design provided for the future 6-lane widening of the Parkway in the design of the stormwater conveyance systems and the five retention/detention treatment facilities. A single span, 2-lane, 102-foot long bridge was designed for farm access and a concrete box culvert at Canal C-84 was also structurally designed. A new traffic signal was designed at the intersection of the St. Johns Heritage Parkway and US 192. The project involved intensive coordination with outside agencies including: FHWA, FDOT District Five, The City of Palm Bay, SJRWMD, USACOE, FFWCC, USFWS, FDEP and the Melbourne-Tillman Water Control District.
08/07 - 11/18	St. Johns Heritage Parkway Northern Project, Brevard County Public Works, Brevard County, Florida: Roadway Engineer responsible for the design of a 4-lane divided suburban roadway that can be expanded to a future 6-lane section. The original project was split into two sections, with the northern section, from US 192 to where it ties into FDOT's SJHP project, being scheduled later for construction. This project includes one mile of new 4-lane roadway improvements and 0.3 miles of side-street turn lane widening improvements along US 192. This project involved stormwater design, environmental permitting, intersection design, roadway design, utility coordination, Right-of-Way mapping and pedestrian features. The drainage design provides for the future 6-lane widening of the Parkway in the design of the stormwater conveyance systems and the three retention/detention treatment facilities. The project also includes the design of a 59.4-acre joint use floodplain compensation pond. Future traffic signal modifications were also designed for the turn lane additions at the intersection of St. Johns Heritage Parkway and US 192. The project involved intensive coordination with outside agencies including: FHWA, FDOT District Five, SJRWMD, USACOE, FFWCC, USFWS, FDEP and the Melbourne-Tillman Water Control District.

16. STAFF EXPERIENCE:

	Firm Employed By: 				
	Name	Bruno Arriola, PE, ENV SP		Years of Relevant Experience with this Employer	12
	Title	Roadway Engineer		Years of Relevant Experience with Other(s) Employers	3
	Degree(s)/Years/Specialization		BS / 2009 / Civil Engineering		
	Active Registration Number / State / Expiration Date		PE #88984 / FL / 02.28.2027		
	Year Registered	2020	Discipline	Civil	
Contract Role(s)/Brief Description of Responsibilities		Roadway and Hydraulics			
Bruno Arriola, PE, ENV SP, serves as a Project Manager and Roadway Engineer for DRMP's Transportation Market Sector. He has served as Deputy Project Manager and Project Manager for municipal clients and is currently responsible for providing plans for managing continuing services contracts for multiple clients. Mr. Arriola is proficient with MicroStation, AutoCAD Civil 3D, OpenRoads Designer (ORD), and MS Project Scheduling Software.					
Experience Dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).				
06/07 - 12/17	SR 589 (Suncoast Parkway 2) (MP 54.7-63.3), Florida's Turnpike Enterprise, Hernando and Citrus Counties, Florida: Roadway Design Engineer responsible for roadway quantities and engineer's estimate in support of retaining wall design in support of the design of approximately nine miles of roadway and the interchanges with US 98 and Cardinal Road. The overall project was a new limited access highway to extend the Suncoast Parkway. Responsibilities included design, project coordination, administrative duties and quality control. This section included 10 bridges, two diamond interchanges and toll facilities. The complete design included plans for roadway, drainage, bridge, signing and pavement markings, signals, lighting, Right-of-Way mapping and environmental permitting. This work also involved managing a reevaluation for the entire 27-mile corridor and environmental permitting for the entire project.				
12/12 - 06/13	Hanley Road Study and Design, Hillsborough County, Florida: Roadway Engineer for this high priority safety project to improve pedestrian, bicyclist, motorist and overall safety on Hanley Road, from Hillsborough Avenue to Waters Avenue. This project is approximately two miles in length. This corridor is classified as an Urban Collector. The existing features along this corridor include sidewalks, 19 transit bus stops, three schools, the Town and Country Greenway multi-use trail and two midblock pedestrian crossings. This was the first Hillsborough County project to implement sharrows and was awarded the APWA West Coast Branch Project of the Year for 2015.				
05/21 - 08/21	Lakeshore Road Sidewalk Study, Hillsborough County, Florida: Roadway Engineer for this project that involved the evaluation and analysis for placing sidewalk on either the west side or east side of the corridor. Three alternatives were evaluated based on safety, cost, feasibility, drainage/permitting, environmental impacts, Right-of-Way impacts and utility impacts. A feasibility report was prepared to summarize the evaluation and make recommendations on the location of the sidewalk.				
05/21 - 08/21	Fort Island Trail, Citrus County, Florida: Roadway Engineer responsible for roadway design review, cost analysis and presentation to the Citrus County Board. The limits of the proposed improvements and analysis extend from the West end of CR 44 (location of local boat ramp and corresponding parking area) to approximately one mile east along CR 44 in Crystal River, Citrus County. The Fort Island Trail Project was a task assignment to prepare an alternative cost analysis for the Board of County Commissioners. The project included typical section development, roadway design criteria, cost estimates and a PowerPoint presentation with graphics for different alternatives				

03/12 - 12/21	Riviere Road Project Development Study, Pinellas County, Florida: Roadway Engineer for the development of a Project Development Study (PDS). The purpose of the study is to provide build alternatives for transportation improvements such as pedestrian access, bicycle accommodations, safety improvements and drainage improvements along Riviere Road corridor from CR 752 (Tampa Road) to CR 776 (Nebraska Avenue/CR 584A). Findings and alternatives will be summarized on a report and provided to the County for consideration in the future design and construction of this project based on conditions including, but not limited to: Right-of-Way constraints, existing utilities, geotechnical considerations, floodplain impacts, long range planning conformity and environmental impacts.
06/21 - Ongoing	PSTA Clearwater Multimodal Transit Center (MTC), CDM Smith for Pinellas County, Florida: Project Manager and Lead Roadway Engineer for DRMP (sub-consultant to CDM Smith) for the development of a new multimodal facility in Downtown Clearwater that will replace the existing Clearwater Park Street Terminal that has long been overcrowded and needs significant repairs. The proposed Clearwater MTC project site is located in the block bounded by Court Street, Myrtle Avenue, South East Avenue and Franklin Street in Downtown Clearwater. The Clearwater MTC will provide space for a total of approximately sixteen bus bays with passenger platforms and accommodations for electric buses and electric charging infrastructure, space allocated for future potential light rail visions in the region, passenger waiting areas and public plaza space, bicycle and multimodal amenities (including drop-off areas for taxis and ride hailing services) and up to eight parking spaces for PSTA staff or emergency vehicles. LEED certifiable roofing and building principles are also anticipated, including but not limited to solar panels and/or green roofs and other sustainability elements. Tasks to be performed by DRMP include site-civil design, drainage and grading, drainage analysis, resiliency and sustainability research and support and utilities design.
08/20 - 01/24	Main Street Sidewalk Improvements, City of Dunedin, Pinellas County, Florida: Project Manager and Roadway Engineer for the coordination and design of sidewalk improvements along Main Street in Downtown Dunedin. This project includes the replacement of aging brick pavers and the widening of the existing sidewalk footprint within the project limits to provide more room for pedestrian traffic and outside dining for local restaurants, as well as providing accessibility (ADA) compliance by amending substandard longitudinal and cross slopes while providing positive drainage. This project also required close coordination with local business owners, the City of Dunedin and utility owners. Other disciplines involved in this project also included architectural landscaping, lighting and survey to ensure that design and aesthetics followed the overall downtown Dunedin look and feel.
04/21 - 12/23	City of Treasure Island Connectivity Master Plan, City of Treasure Island, Pinellas County, Florida: Roadway Engineer for the development of a Connectivity Master Plan that aims to improve way finding, safety and accessibility to local attractions through bicycle paths, pedestrian paths and waterways throughout the City of Treasure Island in Pinellas County. The selected sites and their corresponding information (conceptual design, cost estimates) under this Master Plan will serve for future incorporation into the City's Capital Improvement Plan (CIP) budget.
10/18 - 12/30	Goodland Drive Rehabilitation Project, FDOT District One, Collier County, Florida: Roadway Engineer for one mile of roadway improvements including raising of the roadway to reduce chronic flooding in a tidal estuary. His responsibilities include plans preparation, quantities and cost estimates. The pavement evaluation includes the use of full depth reclamation as an alternative. The project also included public meetings and agency permitting.
06/19 - 08/21	Himes Avenue at Busch Boulevard and Waters Avenue Intersections Study, Johnson, Mirmiran & Thompson for Hillsborough County, Florida: Roadway Engineer responsible for assisting in the preparation of a Preliminary Engineering Report/PDE for two major intersections of Himes Avenue in Hillsborough County. The two intersections on Himes Avenue include Busch Boulevard and Waters Avenue. The project included traffic counts, traffic analysis for proposed turn lane lengths, intersection safety, drainage impacts, utility impacts, right-of-way analysis, signal design and an alternatives recommendation. Major challenges include avoiding impacts to CSX railroad equipment and TECO poles, maximizing use of Right-of-Way and a contamination site at Waters Avenue.

16. STAFF EXPERIENCE:

	Firm Employed By:  LAZENBY & ASSOCIATES, INC.				
	Name		Ryan Spillers, PE	Years of relevant experience with this employer	32
	Title		Chief Roadway Design Engineer	Years of relevant experience with other employer(s)	0
	Degree(s) / Years / Specialization		BS / 1994 / Civil Engineering		
	Active Registration Number / State / Expiration Date		P.E. 0028574 / LA / 09/30/2027		
	Year registered	1987 1987	Discipline	Civil Engineering	
Contract Role(s) / Brief Description of Responsibilities		Road Design, Hydraulic Analysis & Design			
Mr. Spillers has 32 years of experience in planning and designing highways, streets and bridges and related components on LADOTD projects. He has also served as designer and Project Engineer on several federal-aid Urban System projects for the Ouachita Parish Police Jury and City of Monroe. He is familiar with the LADOTD Minimum Design Guidelines, LADOTD Roadway Design Procedures and Details Manual, and the LADOTD Hydraulics Manual, as well as the AASHTO "Green Book", AASHTO Roadside Design Guide, and the Manual on Uniform Traffic Control Devices.					
Experience Dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).				
12/07 - 05/16	State Project No. H.002622: Arkansas Road (LA 616), Ouachita Parish - This project consisted of widening a 3.2-mile segment of LA 616 from two lanes with open ditches to 5 lanes with subsurface drainage. Mr. Spillers was in responsible charge of developing preliminary and final roadway plans. As part of this project, 4 signalized intersections were replaced with multi-lane roundabouts. Major tasks performed by Mr. Spillers include typical sections, plan-profile sheets, geometric design, striping layout, permanent signing plans, joint layout, modeling/cross section sheets, and developing the suggested sequence of construction. Mr. Spillers also assisted with the hydraulic study of the subsurface drainage systems. The project included one bridge site, where an existing timber bridge was replaced with a RCB.				
02/11 - 05/17	State Project No. H.003854: Bossier North-South Corridor Roadway and Bridges (I-220/Swan Lake Road Interchange to Crouch Road), Bossier Parish - This project consisted of the reconstruction and realignment of a 3.7-mile section of Swan Lake Road and construction of a new 4.2-mile roadway connecting Swan Lake Road and Crouch Road and included two bridge structures. Mr. Spillers was responsible for developing preliminary and final roadway plans, including designing the subsurface drainage systems for the southern portion of the project. Major tasks included typical sections, plan-profile sheets, drainage plan-profile sheets, geometric design, modeling/cross sections, and developing the sequence of construction. Mr. Spillers also performed the necessary hydraulic studies for the two bridge sites. The southern portion of the project contains an urban three-lane section, while the northern segment is a rural, two-lane roadway.				
11/16 - 01/22	Ouachita Parish Police Jury Road Program - Mr. Spillers has served as an integral team member of the Ouachita Parish Police Jury Road Program. His duties consisted of evaluating parish roadways and developing pavement preservation construction plans, including drainage design, to preserve and extend the life of Ouachita Parish roadways, many of which are designed and constructed under the LDOTD Urban Systems program. Some of the Ouachita Parish Urban System pavement preservation projects that Mr. Spillers has provided professional services include: • State Project No. H.011743 - 40 Oaks Farm Rd (Ark Rd - Standard Reed)(Mill, Patch and Overlay) • State Project No. H.011783 - Parker Rd (Moore Rd - Garrett Rd)(Mill, Patch and Overlay) • State Project No. H.013796 - Tanglewood Drive (La 15 - Dellwood Dr.)(Reconstruction) • State Project No. H.013798 - Harrell Road (US 80 - Arkansas Rd)(Mill, Patch and Overlay) • State Project No. H.013803 - Richwood Road No. 2 (US 165 - Brown Street)(Partial Reconstruction, Partial Mill, Patch and Overlay)				

16. STAFF EXPERIENCE:

	Firm Employed By:  LAZENBY & ASSOCIATES, INC.				
	Name		James S. Ellingburg, PE, LSI	Years of relevant experience with this employer	18
	Title		Project Engineer	Years of relevant experience with other employer(s)	0
	Degree(s) / Years / Specialization		BS / 2008 / Civil Engineering		
	Active Registration Number / State / Expiration Date		PE #0037236 / LA / 09/30/2026 LSI #0000814 / LA / 03/31/2028		
	Year registered	1987 1987	Discipline	Civil Engineering	
Contract Role(s) / Brief Description of Responsibilities		Road Design, Hydraulic Analysis & Design			
Mr. Ellingburg has 18 years of experience in developing roadway plans on both LADOTD and local roadway projects. Mr. Ellingburg is familiar with the LADOTD Roadway Design Procedure and Details Manual and the LADOTD Hydraulics Manual, as well as AASHTO design standards for roadway design. Mr. Ellingburg has assisted in hydraulic analysis and design, as well as roadway design and preparation of roadway plans, on a variety of roadway projects. He has also assisted with the processing of topographic survey data on multiple projects.					
Experience Dates (mm/yy-mm/yy)		Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
05/08 - 06/15		State Project No. H.002622: Arkansas Road (LA 616), Ouachita Parish - This project consisted of widening a 3.2-mile portion of LA 616 from a two-lane section to a five-lane urban roadway, and included four multi-lane roundabouts that required extensive geometric design and graphical grade development in order to meet AASHTO and LDOTD standards and requirements for safety. Mr. Ellingburg initially served as an engineering technician, checking the topographic survey in the field for accuracy. Mr. Ellingburg then served as a project staff engineer, assisting the project engineer with development of existing drainage maps, drainage design maps, utility adjustments, and developing roadway plans. Mr. Ellingburg also assisted with roundabout designs, joint layouts, graphical grades and sequence of construction in both Preliminary and Final plan development. Once the project was let for construction, Mr. Ellingburg provided construction support on an as-needed basis by answering field questions from the contractor or LDOTD.			
12/10 - 10/12		State Project No. H.003854: Bossier North-South Corridor Roadway and Bridges (I-220/Swan Lake Road Interchange to Crouch Road), Bossier Parish - This project consisted of the reconstruction and realignment of a 3.7-mile section of Swan Lake Road and construction of a new 4.2-mile roadway connecting Swan Lake Road and Crouch Road and included two bridge structures. Mr. Ellingburg served as a project staff engineer, working on development of existing drainage maps, design drainage maps, roadway drainage plans, and assisting with roadway and bridge design and plan development for both Preliminary and Final plans. The southern portion of the project contains an urban three-lane section, while the northern segment is a rural, two-lane roadway.			
11/11 - 01/12		State Project No. H.004684: El Camino East/West Corridor, Route LA 6, Natchitoches Parish - Mr. Ellingburg served as a project staff engineer, developing existing drainage maps for a LDOTD Topographic Survey.			
09/17 - Present		State Project No. H.007300: Kansas Lane - Garrett Road Connector and I-20 Improvements, Ouachita Parish - Mr. Ellingburg served as a project staff engineer, assisting with generating topographic survey deliverables, developing existing drainage maps for the topographic survey portion of the project. During the design and plan preparation portion of the project, Mr. Ellingburg has performed drainage design, developed design drainage maps, and assisted with design of five multi-lane roundabouts, developing graphical grades and assisting with geometric design and sequence of construction. This urban project includes five multilane roundabouts and interstate ramp modifications that required extensive geometrics and graphical grades in order to meet AASHTO and LDOTD standards and requirements for safety.			

16. STAFF EXPERIENCE:

	Firm Employed By:  LAZENBY & ASSOCIATES, INC.				
	Name		Randy C. Hammons, PE	Years of relevant experience with this employer	25
	Title		Project Engineer	Years of relevant experience with other employer(s)	8
	Degree(s) / Years / Specialization		BS / 1993 / Civil Engineering		
	Active Registration Number / State / Expiration Date		PE #0029504 / LA / 09/30/2025		
	Year registered	2001	Discipline	Civil Engineering	
Contract Role(s) / Brief Description of Responsibilities		Topographic Survey			
Mr. Hammons has more than 25 years of experience in planning and designing highways and bridges on transportation projects in Louisiana, Arkansas, Mississippi, and Tennessee. Mr. Hammons has approximately 18 years of experience supervising and processing topographic survey data, including establishing survey control, calculating existing alignments, creating digital terrain models (DTM's), and developing existing drainage maps for LADOTD projects.					
Experience Dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).				
01/17 – 01/20	Mr. Hammons served as the Project Engineer processing topographic survey field data and developing topographic survey maps and images for State Contract No. 4400009384: Retainer Contract for Professional Surveying Services – Statewide. This retainer contract contained six task orders to perform topographic surveys for various projects over a 3-year time frame. Some of the task orders for Topographic Surveys were as follows: • State Project No. H.003370.5 - I-220/I-20 Interchange and BAFB Access, Route I-220 & I-20 in Bossier Parish (04/2018 - 10/2018). Topographic survey of the proposed I-220/I-20 Interchange and BAFB Access roadway in Bossier Parish using GPS receivers, robotic total stations, SX-10 terrestrial scanner, and mobile lidar. • State Project No. H.007300.5 & H004774.5 - Kansas Lane - Garrett Road Connector and I-20 Interchange in Ouachita Parish (3/2018 - 9/2018) Topographic Survey of the proposed Kansas Lane - Garrett Road Connector and I-20 Interchange using GPS receivers, robotic total stations and a SX-10 terrestrial scanner. • State Project No. H.012036.5 - US 80: Boeuf River Bridge in Richland Parish (03/2019 - 6/2019). Topographic survey for a bridge replacement project at the US 80 crossing of the Boeuf River using GPS receivers, robotic total stations and a SX-10 terrestrial scanner.				
01/20 – Present	Mr. Hammons served as the Project Engineer processing topographic survey field data and developing topographic survey maps and images for State Contract No. 4400017710: Retainer Contract for Professional Surveying Services – Statewide. This retainer contract has contained one task order to perform topographic surveys over a 5-year time frame. The task order for Topographic Surveys is as follows: • State Project No. H.015052.5 - I-20 Widening & Improvements (Vancil to LA 34), Route I-20 in Ouachita Parish (05/2022-01/2023). Topographic survey of a proposed 3.94 mi interstate widening from Vancil Road to LA 34 along I-20 in West Monroe using GPS receivers, robotic total stations and SX-10 terrestrial scanner. Terrestrial mobile lidar was used to locate 20,815 LF of I-20 mainline.				

16. STAFF EXPERIENCE:

	Firm Employed By:  LAZENBY & ASSOCIATES, INC.				
	Name		Hagan H. Lawrence, PE	Years of relevant experience with this employer	9
	Title		Project Engineer	Years of relevant experience with other employer(s)	2
	Degree(s) / Years / Specialization		B.S. / 2015 / Civil Engineering		
	Active Registration Number / State / Expiration Date		PE #0043645 / LA / 03/31/2028		
	Year registered	2019	Discipline	Civil Engineering	
Contract Role(s) / Brief Description of Responsibilities		Road Design, Hydraulic Analysis & Design			
Mr. Lawrence has 9 years of experience in performing drainage design, hydraulic analysis, and development of roadway plans on both LDOTD and local roadway projects. Mr. Lawrence is familiar with the LDOTD Roadway Design Procedure and Details Manual and the LDOTD Hydraulics Manual, as well as AASHTO design standards for roadway design. Mr. Lawrence has assisted in hydraulic analysis and design, as well as roadway design and preparation of roadway plans, on a variety of roadway projects.					
Experience Dates (mm/yy-mm/yy)		Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
1/16 – 8/17		State Project No. H.010287: Well Road Roundabout, Ouachita Parish – This project involved the construction of a roundabout at the I-20 westbound ramp terminal with Well Road. Mr. Lawrence assisted with drainage design, preparation of roadway plans, and quantity calculations (with previous employer). Major tasks performed by Mr. Lawrence include typical sections, plan-profile sheets, and modeling/cross section sheets.			
02/18 – 03/26		State Project No. H.007300: Kansas Lane – Garrett Road Connector and I-20 Improvements, Ouachita Parish – This project consists of widening Garrett Road from two lane to 4 lanes and construction of a new connector roadway from Garrett Road to Kansas Lane. The project includes five multi-lane roundabouts, ramp modifications of the I-20/Garrett Road interchange, a new overpass structure over I-20, and a new overpass structure over Millhaven Road (LA 594) and the adjacent KCS railroad tracks, lighting, and traffic signal work at the intersection of Kansas Lane and Millhaven Road. Mr. Lawrence assisted with subsurface drainage design and assisted with development of drainage plan-profile sheets and design drainage maps.			
09/24 – Present		State Project No. H.015200: East St & Parkview Dr Sidewalks (Mon), Ouachita Parish – This project consists of constructing new ADA-compliant facilities within the vicinity of three schools in Monroe, Louisiana. Mr. Lawrence is performing design and project management. This project is currently in Final Plans awaiting acquisition of the required Right-of-Way by the entity.			
12/17 – Present		Ouachita Parish Police Jury Road Program – Mr. Lawrence is an integral team member of the Ouachita Parish Police Jury Road Program. His duties consist of developing pavement preservation roadway plans, including drainage design and geometric improvements, to preserve and extend the life of Ouachita Parish roadways, some of which are constructed under the DOTD Urban Systems program. Mr. Lawrence has also assisted with coordinating utility relocation to facilitate construction of these projects. Some of the Ouachita Parish Urban Systems projects that Mr. Lawrence has provided professional services on include the following: • State Project No. H.011745 – Sandal Street (Reconstruction) • State Project No. H.011784 – Stubbs-Vinson Road (Mill, Patch and Overlay) (Project included 8' x 8' RCB) • State Project No. H.013791 – Hadley Street (Mill, Patch and Overlay and includes a segment of Reconstruction) • State Project No. H.013776 – Well Road (Mill, Patch and Overlay) • State Project No. H.013802 – Garrett Road (Mill, Patch and Overlay) • State Project No. H.013805 – Fink's Hideaway Road (Reconstruction/Mill, Patch and Overlay)			

16. STAFF EXPERIENCE:

Bridge Design Services

16. STAFF EXPERIENCE:



Firm Employed By:



Name	Joshua Gonya, PE	Years of Relevant Experience with this Employer	2
Title	Senior Bridge Design Engineer	Years of Relevant Experience with Other(s) Employers	15
Degree(s) / Years / Specialization	BS / 2008 / Civil Engineering / Structures		
Active Registration Number / State / Expiration Date	PE# 40859 / LA / 09.30.2026		
Year Registered	2016	Discipline	Civil Engineering

Contract Role(s) / Brief Description of Responsibilities	Bridge
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Experience Dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
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09/13 - 08/17	Load Rating and Posting of On-System Bridges, LADOTD, Statewide, LA Lead Load Rating Engineer. Joshua was the lead load rating engineer for this project. He was responsible for developing LRFR load rating procedures using AASHTOWare BrR for superstructures, and LEAP RC Pier for substructures while working closing with LADOTD personnel. All structures were rated per AASHTO MBE utilizing LADOTD guidelines. Procedures were coordinated with LADOTD to assist in the further refinement of LADOTD BDEM Volume 5 Chapter 6 on load ratings. This project covered a wide variety of bridge superstructure types including: timber, reinforced concrete girders and slabs, prestressed concrete girders, steel trusses, steel plate girders, and steel rolled beams as well as various substructure types.
05/14 - 05/15	Essen Lane over Wards Creek Bridge Widening, LADOTD, Baton Rouge, LA Bridge Design Engineer. Joshua was responsible for initial bridge evaluations and widening of the existing Essen Lane bridge over Wards creek. This project involved utility relocations, extending and matching existing substructures, extending, and matching existing slab span bridge elements. The bridge was evaluated in all temporary structural layouts with temporary traffic conditions. This project included complex urban highway design as required in MPR 11.
05/16 - 12/16	US 82 over Mississippi River In-Depth Bridge Inspection and Load Rating, MDOT, Greenville, MS Field Team Leader and Load Rater. Joshua served as a field team leader and load rater for the in-depth inspection, fracture critical, and element level inspection of the US 82 over the Mississippi river bridge. This project consisted of collecting field data utilizing National Bridge Elements, fracture critical elements, and in-depth hands-on SPRAT access inspectors of 112 stay cables. The findings were used to develop an overall bridge report and load rating.
05/18 - 05/20	Worthsville Road over Tracy Ditch Bridge Replacement - Greenwood, Greenwood, IN Project Manager and Lead Designer. Joshua was the project manager and lead designer. He completed the design of a 72'-6" single-span, Hybrid Bulb-Tee Beam bridge to replace the existing three-sided culvert over Tracy Ditch. Bridge Hydraulic design was completed to size the bridge and provide Q100 roadway serviceability. The bridge was designed to accommodate phased construction so that one lane of traffic could be maintained in each direction during construction. The end bents and bridge piling were spaced and designed to span an existing sanitary force main that could not be relocated. The bridge cross section includes four travel lanes, striped median, two raised sidewalks, and bridge railing.
05/19 - 08/20	SR 15 over Eagle Creek Bridge Replacement, Kosciusko County, INDOT, Kosciusko County, IN Project Manager and Lead Designer. Joshua was the project manager and lead designer. He completed the design of a custom three-span slab superstructure supported by integral end bents and interior open pile bents found on steel shell piles. Hydraulic design and site visits concluded that drift and debris are a major factor for Eagle creek and the open pile bents were used in order to minimize the amount of drift present at the structure. The bridge was designed to accommodate phased construction so that one lane of heavy truck traffic could be maintained at all times during construction. This bridge was in an urban area and required a large effort for utility coordination and local business coordination.

Joshua Gonya resume continued

08/18 - 07/19	SR 3 over Willow Creek Rehabilitation, INDOT, Allen County, IN Project Manager. Joshua was the project manager and was responsible for the inspection, assessment, and rehabilitation recommendations of this project. After infield condition assessments he recommended that the project consist of fiber wrapping substructure elements, patching, overlaying the bridge deck, adding channel protection, and traffic management plans.
08/18 - 07/19	SR 101 over Hamm Ditch Rehabilitation, INDOT, Allen County, IN Project Manager. Joshua was the project manager and he was responsible for the inspection, assessment, and rehabilitation recommendations of this project. After in field condition assessments he recommended that the project consist of deck and coping replacement, patching of the super and sub structures, railing replacement, approach slab replacement, and reconstruction of the roadway to provide a smooth transition over the limits of the project.
08/17 - 09/22	Central Office Load Rating Contract, INDOT, Statewide, IN Project Manager and Lead Load Rating Designer. Joshua oversaw the rating of 300+ bridges throughout the state of Indiana. Some notable ratings include curved post-tensioned segmental, curved steel continuous girder, cold bent steel boxes, steel trusses, precast arches underfill, steel beam bridges, slab spans, and typical continuous prestressed beam bridges. Joshua also provided support in the rating of many steel bridges inaccurately not rating, specifically assisting with the issue of Lateral Torsional Buckling in the negative moment region for a steel girder bridge. These ratings included new design ratings and added deterioration ratings as well as specific investigations and overrides of the preferred rating software (AASHTOware BrR).

16. STAFF EXPERIENCE:



Firm Employed By:  **DRMP**

Name	Scott Benson, PE		Years of Relevant Experience with this Employer	1
Title	Structures Chief Engineer		Years of Relevant Experience with Other(s) Employers	32
Degree(s)/Years/Specialization		BS / 1990 / Civil Engineering		
Active Registration Number / State / Expiration Date		PE #44285 / SC / 07.1.2025 PE #048629 / NC / 12.31.2026		
Year Registered	2025	Discipline	Structures	

Contract Role(s)/Brief Description of Responsibilities Bridge Design

Scott Benson, PE, serves as a Structures Chief Engineer for DRMP's Transportation Market Sector. He has 34 years of experience in design, rehabilitation, and inspection of transportation structures for both public and private clients. He has been responsible for the development and quality control of contract plans, structural designs, and estimates for various agencies including FDOT, NCDOT, NCTA, SCDOT, VDOT, MassDOT, IDOT, CDOT, KDOT, and Illinois Tollway. His experience includes performing technical quality control reviews of plans and calculations both internal and external to ensure client deliverables meet the highest standards. Mr. Benson is also knowledgeable in curved and straight steel plate girder, concrete FIB and Bulb T beam superstructures, interior and end bent design, retaining walls, box culverts, and railroad bridge design.

Experience Dates (mm/yy-mm/yy) Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).

06/19 - 4/25

STV Incorporated, Mecklenburg County, North Carolina and Cook County, Illinois:

- **NC 540 (Triangle Expressway) Southeast Extension from I-40 to South of SR 2542 (Rock Quarry Road) Design-Build, North Carolina Turnpike Authority, Wake County, North Carolina (Jan 2024 - Apr 2025):** Senior Structural Project Engineer for this project that includes the southeast extension of NC 540 (Triangle Expressway) in Raleigh, North Carolina, for the North Carolina Turnpike Authority (NCTA), and I-40 to south of SR 2542 (Rock Quarry Road) with interchanges at SR 2547 (White Oak Road) and US 70 Business. Mr. Benson provided QC technical checks of bridge plans and design calculations for five bridges and seven reinforced concrete box culverts.
- **I-85 Widening Design-Build, NCDOT, Gaston County, North Carolina (Nov 2024 - Apr 2025):** Senior Structural Project Engineer for the preliminary design of three new Y-Line bridges and widening one mainline bridge over South Fork River along the I-85 corridor near Gastonia, North Carolina. Mr. Benson provided QC technical checks for plans and design calculations.
- **I-26/I-240 Interchange Design-Build, NCDOT, Buncombe County, North Carolina (2024):** Senior Structural Project Engineer for the preliminary design of proposed curved girder steel plate girder bridge on I-240 over French Broad River. Mr. Benson provided steel curved girder design and used Midas Civil software to model the steel superstructure.
- **NC 150 Bridge over Lake Norman, NCDOT, Catawba and Iredell Counties, North Carolina (Apr 2021 - Aug 2023):** Senior Structural Project Engineer for the design of a new 1,200-foot bridge from Greenwood Road in Catawba County, North Carolina, to US 21 in Iredell County, North Carolina. The new bridge over Lake Norman will carry 4-lanes of vehicular traffic and a multi-use path for bicycles and pedestrians. Mr. Benson provided QC technical checks for bridge plans and design calculations.

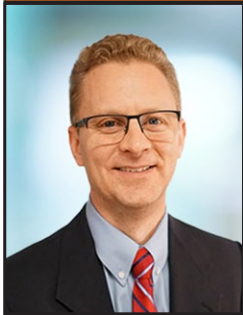
16. STAFF EXPERIENCE:

	Firm Employed By: 				
	Name	Logan Yarbrough, PE, SE		Years of Relevant Experience with this Employer	7
	Title	Structures Engineer		Years of Relevant Experience with Other(s) Employers	5
	Degree(s)/Years/Specialization		BS / 2015 / Civil Engineering		
	Active Registration Number / State / Expiration Date		PE #48958 / NC / 12.31.2026 PE #43575 / SC / 06.30.2026		
	Year Registered	2019	Discipline	Structures	
Contract Role(s)/Brief Description of Responsibilities		Bridge Design			
Logan Yarbrough, PE, SE, serves as a Structures Engineer for DRMP's Transportation Market Sector. His primary duties consist of design of structural elements and production of structures plan sets. His design assignments have included prestressed concrete, continuous steel I-Girder Bridges for bridge replacement, bridge widening and new alignment projects for both conventional and design-build project delivery.					
Experience Dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).				
12/22 - Ongoing	I-275 at I-4 Interchange Improvements Design-Build, The Lane Construction Corporation for FDOT District Seven, Hillsborough County, Florida: Structures Engineer responsible for the design and plan development of four bridge sites for this interchange improvements project, which includes the design and construction of six new bridges, eight bridge widenings/modifications, four existing bridge coatings, and two existing bridge railing retrofits; widening the existing roadway from 2-lanes to 3-lanes in specific segments; improving existing drainage facilities, and providing complex temporary traffic control plans throughout each phase of the project to minimize disruption for all users. The design-build team's innovative alternative technical concept includes an innovative new dual-lane flyover bridge to accommodate the I-275 southbound traffic onto I-4 eastbound without needing a complex widening. This eliminates over 100 detours by performing off-line construction and provides FDOT with the opportunity to add a new I-4 eastbound auxiliary lane to the Selmon Expressway exit just east of the downtown interchange. Other project design elements include permitting, signing and pavement marking, lighting, signalization, intelligent transportation systems, landscape, and geotechnical.				
12/18 - Ongoing	R-2828 Triangle Expressway from East of US 40, WSP Parsons Brinckerhoff for NCDOT, Wake and Johnston Counties, North Carolina: Structures Engineer responsible for preparation of structural calculations and final plan development for three bridge sites along the NC-540 project corridor. All bridge types are multi-span prestressed concrete girder superstructures, utilizing Florida-I Beams. Bridges crossing NC-540 are designed utilizing standard pile bents, MSE abutment walls and interior bents which implement aesthetic column shapes placed on pile supported foundations. DRMP is responsible for bridge design, roadway design, intelligent transportation systems peer review, survey and subsurface utility engineering.				
7/21 - 6/24	Bridge Replacement SR 31 at Red Bluff Creek (GDOT PI 0016505), Atkinson County, Georgia: Structural Engineer responsible for the design of a three span (130-foot) bridge utilizing AASHTO Type II beams supported by Metal Shell Pile bents to replace an existing, triple barrel box culvert. The bridge design included the preparation of 3500 Series plans in accordance with GDOT standards. The project included bridge design, hydrologic and hydraulic study (H&H), surveys, roadway approaches and environmental permitting coordination.				
8/21 - Ongoing	GDOT FY-2020 Bridge Bundles Batch 1 - CR 31 at Little Goose Creek Bridge Replacement (GDOT PI #0016564), GDOT, Wayne County, Georgia: Structural Engineer responsible for the design of a three span; 160-foot bridge utilizing 27-inch Box Beams supported by metal shell pile bents to replace an existing 120-foot bridge structure. The roadway design includes preparation of preliminary and final plans in accordance with GDOT standards. The project included bridge design, hydrologic and hydraulic study (H&H), surveys, roadway approaches, and environmental permitting coordination.				

Logan Yarbrough, PE, SE continued

8/21 - Ongoing	GDOT FY-2020 Bridge Bundles Batch 1 - CR 31 at Little Goose Creek Bridge Replacement (GDOT PI #0016564), GDOT, Wayne County, Georgia: Structural Engineer responsible for the design of a three span; 160-foot bridge utilizing 27-inch Box Beams supported by metal shell pile bents to replace an existing 120-foot bridge structure. The roadway design includes preparation of preliminary and final plans in accordance with GDOT standards. The project included bridge design, hydrologic and hydraulic study (H&H), surveys, roadway approaches, and environmental permitting coordination.
7/20 - 12/23	SR 538 (Poinciana Parkway) Capacity Improvements from Ronald Reagan Parkway to Cypress Parkway Design-Build (Contract #538-165), The Lane Construction Corporation for Central Florida Expressway Authority, Osceola County, Florida: Structures Engineer responsible for the design and review sign structure shop drawings for this \$94.4 million design-build project to widen SR 538 from a 2-lane undivided roadway to a 4-lane divided expressway for seven miles. This project includes the design of new bridges over the Reedy Creek Mitigation Bank, Marigold Avenue and KOA Street using Florida-I Beams and founded on prestressed concrete piles. The bridge over the Reedy Creek Mitigation Bank is over a mile long, designed to minimize environmental impacts and has minimum vertical clearance that allows the safe passage of wildlife below. The project also included over two miles of sound walls, drainage, environmental, permitting, signing and pavement markings, intelligent transportation systems, lighting, all-electronic tolling and utility upgrades for the Toho Water Authority. The design-build team's innovative designs included a revised pile configuration that saved \$5 million in project costs.
6/16 - 12/21	SR 91 (Florida's Turnpike Mainline) Widening from Minneola Interchange to Obrien Road (MP 279.2-285.8), Stantec, Inc. for Florida's Turnpike Enterprise, Lake County, Florida: Structures Engineer responsible for the plan preparation and design of Bridge B10 over SR91 for the widening of SR 91 from a 4-lane to 8-lane limited access facility. DRMP tasks included public meeting and local agency coordination, design of roadway, structural and Intelligent Transportation Systems (ITS) along with survey and Right-of-Way mapping. This is the first Florida's Turnpike Enterprise project to hold a Virtual Public Meeting which included a live presentation along with the development of a dedicated project website with exhibits for the project. Extensive coordination with local agencies included presentations to County Commissioners and City Councils along with the development of Interlocal Agreements. Roadway design was completed for three ramps at the US 27 South Interchange with the mainline. Structural design was completed for the Exit 285 ramp bridge over the mainline. The bridge crosses the Turnpike with two spans of Florida-I 45 beams founded on 24-inch pipe piles. Extensive use of temporary walls and phased bridge construction is used to facilitate traffic control. ITS design addressed all impacts to the existing ITS fiber and CCTV/MVDS/AVI/DMS devices within the project limits. Survey for off pavement areas and Right-of-Way mapping was completed for the entire project limits.
8/20 - Ongoing	SR 408/Tampa Avenue Interchange (Contract #408-315), TLP Engineering for Central Florida Expressway Authority, Orange County, Florida: Structures Engineer responsible for the design of bridge components and load rating for the SR 408/Tampa Avenue interchange modification and widening of eastbound SR 408 from John Young Parkway to Orange Blossom Trail to 4-lanes. DRMP was responsible for the design of the widening of eastbound SR 408 over Rio Grande Avenue using Florida-I Beams, and the associated walls. The intelligent transportation system (ITS) design and plans consisted of a new gigabit fiber network with supporting ITS devices. Surveying services included design survey, Right-of-Way mapping and subsurface utility engineering. The design survey was performed using a combination of Mobile LiDAR, GPS, and conventional survey methods.

16. STAFF EXPERIENCE:



Firm Employed By:  **Horrocks.**

Name	Richard Hansen, PE		Years of Relevant Experience with this Employer	8
Title	VP of Alternative Delivery		Years of Relevant Experience with Other(s) Employers	16
Degree(s)/Years/Specialization	MS / 2002 / Civil & Environmental Engineering BS / 2001 / Civil Engineering			
Active Registration Number/State/Expiration Date	PE#6100772-2202 / UT / 3.31.2027; PE#12134 / ID / 11.30.2026; PE#0057746 / CO / 10.31.2027; PE#22000561 / WA / 11.12.2026			
Year Registered	2006	Discipline	Civil Engineering	

Contract Role(s)/Brief Description of Responsibilities | Alternative Delivery | Transportation Structures Design | Bridge Design

Richard has 24 years of experience in the analysis and design of bridges and transportation structures. He has successfully addressed poor soil, seismic conditions, and utility conflicts through innovative foundation design, challenging Maintenance of Traffic (MOT) requirements through inventive phasing and Accelerated Bridge Construction (ABC) solutions, and clearance and span constraints through an optimum implementation of concrete and steel superstructure alternatives. He has worked directly with Utah Department of Transportation (UDOT), and contractors to be at the forefront of many of the bridge projects that have made Utah nationally recognized for its innovative bridge design and construction. Richard has experience leading multiple structure design teams to meet aggressive design schedules and produce quality deliverables. His experience is critical in minimizing impacts to traffic, meeting design schedules, and addressing limited construction access and clearances at bridges.

Experience Dates (mm/yy-mm/yy) | Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).

02/22 - 06/23

SECTION 17 PROJECT

I-15; 5600 South Progressive Design-Build, Weber County, UT

Deputy Design Manager and Structures Manager. Horrocks was selected by UDOT to begin work on the I-15, 5600 South Progressive Design-Build (PDB) project located on I-15 and SR-97 within Roy and Riverdale City. This is an interchange reconstruction and SR-97 (5600 South) widening project to reduce congestion and improve safety from I-15 west to SR-108. The major items of work include a new interchange with multiple structures, road widening (including widening an existing structure over railroad), intersection improvements, trail systems, utilities, drainage, ROW, and Hill Air Force Base coordination. Horrocks is the lead designer teamed with Granite Construction and WW Clyde, who formed the JV Sand Ridge Constructors, to win this alternative delivery project. Richard served in two capacities, Deputy Design Manager and Structures Design Manager, during the first year of this PDB project. He developed the overall project and structures submittal schedule for the project, developed the initial bridge concepts for three highway bridges and a pedestrian bridge, and oversaw the type selection report and Situation and Layout (S&L) sheet production to obtain Structures Division acceptance during the first phase of the project. As part of this initial phase, Richard worked with the project team to develop preliminary details for continuous flight auger piles that will support the pedestrian structure--the first time UDOT used this foundation system.

01/20 - 07/22

Reno Spaghetti Bowl Xpress (SBX) Design-Build, Reno, NV

Structures Engineer. This design-build project included the reconstruction of I-580 from I-80 to Villanova Street. Work involved the widening and reconstruction of I-580 southbound lanes and bridges. In addition, northbound lanes were reconditioned through full-pavement reconstruction methods. The Horrocks/Ames team provided NDOT with an accelerated design and construction schedule and project phasing that enhanced public safety. Due to increased lane capacity, the public benefits from reduced traffic backups and congestion. Richard lead the design of the 186-ft single-span I-580 SB bridge over Mill Street and the sign structures. He also performed the independent calculations for the I-580 over Truckee River bridge.

08/18 - 12/19	US-89; Farmington to I-84 Progressive Design-Build, Davis County, UT Structures Design Manager. The US-89 project has improved safety and mobility on US-89 and at connections with local cross streets by widening US-89 to three lanes in each direction; adding interchanges - bridges over US-89 with on/off-ramps - at 200 North/400 North, Oak Hills Drive, Gordon Avenue and Antelope Drive; and adding bridges over US-89 at Nicholls Road and Crestwood Road. The project has also improved connections between US-89 and Main Street, SR-193 and Interstate 84. Some sections of new frontage road have been constructed to improve access to existing frontage roads and local streets. The frontage road system will also function as a signed bicycle route. Richard was the Structures Design Manager for this PDB project and managed the design of seven bridges over US-89, two superstructure replacements over the Weber River, three trail box culverts, sign structures, misc. drainage structures, MSE walls, soil nail walls, ground anchor walls, and cast-in-place cantilever retaining walls. He developed the structures submittal schedule for the project., led the structures/geotechnical task force meetings, and oversaw the development of the preparation of the concepts and estimated quantities for all the structures. Richard provide post-design services (working drawing review, NDCs, FDCs, as-built drawings, RFI responses, etc.).
11/18 - 02/24	Porter Rockwell Bridge - Alternative Delivery, Salt Lake County, UT Design Manager and Structures Lead. This Design-Build (DB) project has constructed a bridge across the Jordan River, UPRR rail, UTA rail, and canals. The bridge connects the roadway segments of Porter Rockwell Boulevard on either side of the Jordan River in Bluffdale, Utah. As the Design-Build Program Manager, the Horrocks team provided project management assistance, quality oversight, design review support, construction field support, materials testing and inspection, baseline schedule and monthly update reviews and analysis, and project controls documentation support among other tasks. Richard oversaw coordination for preliminary design for inclusion with DB request for proposal. He developed preliminary layout and design requirements for the new bridge over the Jordan River, UPRR, and UTA tracks and provided reviews of design and constructions submittals.
08/20 - 08/23	US-40; Over Provo River Deck Replacements, Wasatch County, UT Project Engineer. The structural design for the deck replacements of the three-span curved steel girder bridges included increasing each deck width by two feet which will improve traffic control on US-40 to allow three lanes across the structures with two-foot minimum shoulders. Additional rehabilitation design includes replacement of abutment bearings, concrete sealing, and injection grouting of cracks in abutments. Design included a type selection report to determine the preferred deck replacement option, preliminary and 100% reviews, specifications, engineer's estimate, and final advertising package. Richard led the structural design for replacement of two decks on two three-span curved steel girder bridges over the Provo River. This project included increasing each deck width by two feet which will improve traffic control for future projects on US-40 by allowing three lanes across the structures with two-foot minimum shoulders. The deck replacements followed the UDOT SDDM and AASHTO LRFD Bridge Design Specifications. Richard designed the details for the rehab of the bridge bearings, and replacement of a strip seal expansion joint. He responded to contractor RFIs, coordinated responses to RFIs with the UDOT Structure Oversight Engineer, and reviewed construction submittals.
07/19 - 01/23	I-80 and I-215 Renewed - Alternative Delivery, Salt Lake County, UT Structures Design Review. The project included three bridge replacements and other structure rehabilitations; modifications/reconfiguration to existing IC ramps; maintaining trail system access; and ROW, utility, ITS, and hydraulic design. Horrocks completed the categorical exclusion, PI through all phases, and worked with UDOT to develop the RLOI, RFQ, and RFP to procure a DB contractor. Richard's responsibilities included reviewing bridge designs for UDOT and oversight reviews for Accelerated Bridge Construction submittals for compliance with contract documents.

16. STAFF EXPERIENCE:

	Firm Employed By:  Horrocks.				
	Name		Spencer Stephenson, PE	Years of Relevant Experience with this Employer	20
	Title		Deputy Director, Transportation Business Line	Years of Relevant Experience with Other(s) Employers	20
	Degree(s)/Years/Specialization		BS / 2008 / Civil Engineering		
	Active Registration Number/State/Expiration Date		PE#8650307-2202 / UT / 03.31.2027		
	Year Registered	2013	Discipline	Civil Engineering	
Contract Role(s)/Brief Description of Responsibilities		Alternative Delivery Bridge Design Transportation Structures Design Project Management			
Spencer has 18 years of structural design experience with all project types including preconstruction engineering, environmental and feasibility studies, program management, and oversight/review. He is familiar with design-build, design-bid-build, and CM/GC delivery methods. His experience including structure type selection, single-and multi-span highway and railroad bridge design, precast/prestressed concrete elements, steel girder and component design, and finite element modeling, he is also a certified bridge inspector and team leader. Spencer has experience with environmental and feasibility studies, program management and oversight/review, and is familiar with alternative project delivery methods.					
Experience Dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).				
03/21 - 11/25	I-15; Shepard Lane Interchange, Farmington, UT Structures Manager. Spencer was the Project Structures Manager and ensured all elements were designed in accordance with the SDDM and AASHTO bridge design standards. Bridge types selected were all steel girder superstructures. Spencer led the structures team through a complex type selection process for the pedestrian bridges, including the development of several unique details related to connecting a trail to a network of existing retaining walls and bridges.				
11/21 - 11/25	I-15; 1800 North Interchange Design, Clinton & Sunset, UT Structures Manager. Spencer is the Structures Manager for the project, leading a team from Horrocks, DEA, and JUB. Steel girder bridges were selected at the interchange and railroad crossing due to span lengths. Spencer led the effort to develop all UPRR submittals and to coordinate approval through UTA. He has been flexible as the design scope has changed multiple times with additional funds being added to the project - first adding the railroad grade separation structure and most recently adding a pedestrian bridge to the project.				
08/18 - 08/24	US-89; Farmington to I-84 Progressive Design-Build, Farmington, UT Structures Manager. Spencer is the Structures Manager for the project, leading a team from Horrocks and Michael Baker International to develop the design of six new bridges over US-89, two superstructure replacements for the US-89 bridges over the Weber River, soil nail walls, MSE walls, cast-in-place walls, custom post-and-panel walls, ground anchor walls, and two pedestrian trail box structures. The superstructure replacements included increasing the width of the roadway to accommodate an additional lane across each bridge. The new superstructures used steel girders to replace the existing prestressed girders to allow the roadway width to increase without adding additional load to the superstructure. Other work included rehabilitation plans and details for the substructure elements. The existing abutment pedestals have extensive deterioration and cracking. The repair details include removing any delaminated concrete and then encasing the pedestals in concrete. Other repairs include reconstructing bent cap overhangs, backwall repair, wingwall repair, and application of penetrating concrete sealer.				

06/09 - 11/11	Mountain View Corridor Segment 1-3 CMGC, Salt Lake County, UT Structures Manager. The Mountain View Corridor is a planned freeway facility along the west side of the Salt Lake Valley beginning in the northern part of Utah County and continuing to I-80 west of the Salt Lake International Airport. To meet the proposed funding schedule, the project is being constructed in multiple phases. This project initiated Phase 1 and included new roadway from the Porter Rockwell Blvd/Redwood Road intersection up to the intersection with 5400 South. Phase 1 of the project was delivered using CMGC to help develop innovative solutions that maximize the amount of new roadway built. Phase 1 was designed to accommodate the future Phase 2, which will include interchanges at major cross streets, and Phase 3, which will add mainline capacity. Spencer served as the structures manager and ensured the project was delivered on time and within budget. He also directed communication with staff and project managers, and provided technical support to the team to meet project deadlines and goals.
05/11 - 06/12	West Mesquite Interchange Design-Build, Mesquite, NV Structures Manager. The project included the reconstruction of the diamond interchange to a roundabout style interchange, improving the on- and off- ramps; reconstruction of I-15 bridges; widening Falcon Ridge Parkway to increase access and safety and improve traffic flow; and providing a new local roadway connection from the interchange to Leavitt Lane. Spencer served as the structures manager and ensured the project was delivered on time and within budget. He also directed communication with staff and project managers, and provided technical support to the team to meet project deadlines and goals.
08/07 - 04/11	FrontRunner South Commuter Rail, Salt Lake and Utah Counties, UT Structures Manager. The \$514M FrontRunner South line travels 44 miles along the Union Pacific corridor, from the Provo Intermodal Center through Utah County to the Salt Lake Central Station in downtown Salt Lake City. FrontRunner South was a construction manager/general contractor (CMGC), project and design advanced just ahead of construction. UTA finalized details on track alignments, station locations, and structure lay-outs during the course of construction. FrontRunner South features eight stations with the possibility of adding two future stations. The project consisted of over 60 rail structures. Of these 60 structures, Horrocks was responsible for the four structures in the Lehi segment. The Lehi segment consisted of one precast box culvert over Dry Creek, one simple span precast/prestressed box girder bridge over the Lehi Irrigation Waste Ditch, and two 556 foot, six span, steel girder bridges over the new 2100 North Frontage Roads. The box culvert required helical pier foundations to mitigate differential settlement between the new and existing culverts. The bridges at 2100 North required a complex solution, the original bridge layout for 2100 North required four - two span bridges to pass the UPRR and UTA tracks over new frontage roads; however, the design did not allow for future expansion of 2100 North without the addition of a third bridge (shoofly) in the future. To eliminate the requirement for a future third bridge, the layout of the four - two span bridges was changed to two - 6 span bridges that span the new frontage roads and future Mountain View Corridor roadways. The resulting 6 span bridges use simple span steel girders founded on pile supported abutments and pier walls. The two bridges are nearly identical to provide a symmetric look to the area and reduce construction and design costs. Spencer served as the structures manager and ensured the project was delivered on time and within budget. He also directed communication with staff and project managers, and provided technical support to the team to meet project deadlines and goals.
03/16 - 01/18	I-15; Brigham Road to Dixie Drive, St. George UT Project Engineer. The I-15, Brigham Road to Dixie Drive project widened I-15 to add auxiliary lanes in each direction between Brigham Road (Exit 4) and Dixie Drive (Exit 5), and to accommodate an additional future general purpose lane in each direction. The auxiliary lanes allow motorists to enter the freeway at one interchange and get off at the next without having to merge with through traffic or change lanes, and allows for additional weaving distance for traffic exiting the freeway. In order to accommodate the widening, the existing bridge structures over the Virgin River were replaced with new concrete girder bridges founded on over-sized drilled shafts. Total bridge length is 416 ft. Mechanically Stabilized Earth (MSE) retaining walls were included to support the trail that runs adjacent to I-15, south of the river. Prefabricated modular gravity walls were installed to support the reconstructed southbound off ramp and eliminate Right-of-Way (ROW) impacts. Multiple sign structures were installed as part of the project including the cantilever, butterfly, single, and double-mast sign bridges. As the project engineer, Spencer worked closely with the design team to develop engineering plans, drawings, and specifications.

16. STAFF EXPERIENCE:

	Firm Employed By:  Horrocks.				
	Name	David Simmons , PE		Years of Relevant Experience with this Employer	12
	Title	Structures Engineer		Years of Relevant Experience with Other(s) Employers	6
	Degree(s)/Years/Specialization		MS / 2010 / Civil Engineering BS / 2008 / Civil Engineering		
	Active Registration Number/State/Expiration Date		PE#8226945-2202 / UT / 03.31.2027		
	Year Registered	2012	Discipline	Civil Engineering	
Contract Role(s)/Brief Description of Responsibilities		Alternative Delivery Bridge Design Transportation Structures Design Project Management			
David is a team leader with 18 years of bridge inspections, design, and load rating experience using MBE, IMBE, Bridge Inspectors Reference Manual (BIRM), and MBEI codes and the FHWA Recording and Coding Guide. David will apply his experience with Element Level inspection procedures for safety and special inspections of steel, prestressed/reinforced concrete, and timber structures. David brings a bridge asset management perspective to our team as he spent much of his early career working within UDOT using bridge inventory data such as NBI and element level condition state metrics to produce lifecycle plans and statewide bridge asset management programs. While using Pontis and AASHTOWare BrM, he worked side by side with bridge database managers and inspectors to promote consistency and accuracy of bridge inspection data collection entry. This work involved taking part in training of in-house and consultant inspectors to accurately identify and report structure condition.					
Experience Dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).				
12/21 - 11/25	Mountain View Corridor (MVC) 2100 N. to Porter Rockwell Design-Build Program Management, Utah County, UT Structures. The Horrocks program management team that includes partners in other Consultants and UDOT Region 3 developed an RFP that included, among other things, requirements for a wildlife crossing. Criteria, including placement along the new MVC alignment, opening size vs. length, for the wildlife crossing were developed in coordination with Utah Department of Wildlife Resources and based in the latest research regarding wildlife crossing geometrics that encourage successful usage.				
09/18 - 12/25	West Davis Highway Design-Build Program Management, Davis County, UT Structures Segment Lead. David was a Segment Structures Lead on this project, overseeing all concept development for eight structures, including three multi-span, curved steel structures at the system-to-system interchange. Additionally, he provided structures support for the Request for Proposal (RFP) and concept documents and completed reviews for the calculations, plans, and specifications.				
05/18 - 06/21	Bangerter Highway Three Interchanges Design-Build Program Management, Salt Lake County, UT RFP Technical Editor/Structures Engineer. David was a technical editor of the RFP that went out to DB teams. Additionally, he served as a technical reviewer of structure deliverables focusing on the structures section and providing review of other sections as well.				
10/19 - 10/21	I-15; Parapet Replacements Near Beaver, UT Structures Lead. The Horrocks-led team developed a preservation memo, structures design, and roadway design for parapet and substructure repair on eight structures on I-15 in Beaver, Utah. Existing bridge information, including a scope and estimate report, was reviewed and updated based on a site visit. Criteria to determine if parapet replacement or rehabilitation was appropriate were developed with UDOT. Column repairs were also needed. Similar to the parapets, criteria was developed with UDOT to determine appropriate types of preservation. As Structures Lead, David worked closely with the construction management staff and met on-site multiple times to inspect the damage, review contractor-proposed repair methods, and inspect the completed repair.				

David Simmons continued

08/17 - 04/18	NDOT Garnet Interchange Design-Build, North Las Vegas, NV Project Engineer. David provided quality control of design and plan sheet deliverables related to structural elements on the US-93 and Grand Valley Parkway bridges. He also provided quality control of design and plan sheet deliverables for box culverts and sign structures. As part of the quality control process he ensured adherence to applicable and current AASHTO, project specific, and NDOT standards.
05/22 - 11/25	River Road Bridge Replacement, Duchesne, UT Project Manager. As Project Manager, David is coordinating closely with UDOT R3, Duchesne County, and subconsultants. He produced the project design schedule that was based in the UDOT Project Delivery Network. The project was underfunded so David worked closely with project leadership and successfully prepared and presented additional funding request to the Joint Highway Committee. The project design was completed on schedule. David oversaw the creation of the specifications, prosecution and progress, and bidding contract time.
09/16 - 09/18	I-15; Lehi Main - SR-92 Tech Corridor Design-Build Program Management, Lehi, UT Structural Engineer. David served as a Structures Engineer in the development of preliminary bridge concepts. He was also a technical reviewer; ensuring structure deliverables met the contract. Tech Corridor project widened I-15 to six lanes in each direction between SR-92 and Lehi Main Street in Lehi, Utah (4.4-miles) and included 15 bridge replacements, a new Triumph Boulevard bridge over I-15, and a new flyover ramp at 2100 North.
04/16 - 11/16	SH-55; Gold Fork Bridge Design, Valley County, ID Structural Engineer. David performed structural design of superstructure and substructure elements. He also assisted in construction support on this Design-Build project for the Idaho Transportation Department (ITD). The project replaced the existing two-span bridge with a 153-foot single-span concrete girder bridge over the environmentally sensitive Gold Fork River. Improvements completed with this project included wider shoulders and a design speed increase for the approaching roadway. Beyond fulfilling the design manager role for the project, services provided by Horrocks included: bridge design, roadway design, drainage and hydraulic design, traffic control design, SWPPP design and Special Provision development.
11/15 - 07/16	USA Parkway Design-Build, Reno, NV Structures Engineer. David was responsible for design and sheet production for multiple box culverts. He also provided quality control of design and plan sheet deliverables for box culverts not within his design responsibility. In all, the Horrocks structures team designed and detailed two cast-in-place concrete wildlife crossing structures. Four-sided box culvert construction was utilized with a soil covering over the bottom, concrete slab. Criteria that included opening size, length, slope, and soil type/depth were coordinated among disciplines and agencies during design.
08/13 - 10/15	Salt Lake City International Airport Terminal Redevelopment Program, Salt Lake City, UT Structures Engineer. Horrocks was part of the landside civil engineering team for this \$2B redevelopment project and was responsible for schematic design of all water, sewer, and gas system designs, survey services, SUE services, roadway, drainage, pavement marking, and structures design. David was on the bridge design team, he performed design tasks related to the departures bridge which was a 19 span pre-stressed concrete girder bridge that was divided into three frame units. He was specifically responsible for Unit 3, which was a five-span, horizontally curved structure with chorded pre-stressed concrete girders. David also performed construction support, responding to materials submittals, RFIs, etc.

16. STAFF EXPERIENCE:



Firm Employed By:  **Horrocks.**

Name	Midhat Hassan, PE	Years of Relevant Experience with this Employer	2
Title	Senior Bridge Engineer	Years of Relevant Experience with Other(s) Employers	30
Degree(s)/Years/Specialization	MS / 2005 / Civil Engineering BS / 1996 / Civil Engineering		
Active Registration Number/State/Expiration Date	PE#48185 / AZ / 9.30.2026; PE#22864 / NM / 12.31.2026; PE#12724311-2202		
Year Registered	2008	Discipline	Civil Engineering

Contract Role(s)/Brief Description of Responsibilities | Alternative Delivery | Bridge Design | Transportation Structures Design | Project Management

Midhat has over 30 years of experience in both design and construction fields. His experience involves complex projects from concept development, planning, studies through post design and complete construction. Midhat proactively manages project budgets, schedules, and technical and quality requirements in support of the project's objectives. Midhat is well-versed in high level technical tasks while managing and reviewing design related specifications, calculations, reports, and plans. He also has various experience with alternative delivery methods, including design-bid-build, design-build, and construction manager at risk. Exceptional understanding and wide experience with different types of bridges, retaining walls, and their analysis, design, detailing, and construction approaches.

Experience Dates (mm/yy-mm/yy) | Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).

04/24 - 11/25	I-80 West Reno - Bridge Replacements, Reno, NV Senior Bridge Engineer. The project includes the replacement of seven existing structures that were identified as priority bridge replacements based on age and condition ratings. Initially, Horrocks was tasked with developing the contract framework to facilitate the successful implementation of a Design-Build project to replace the vital infrastructure and maintain safety, operations, and mobility on I-80 as well as develop preliminary design and phasing to reduce impacts to the traveling public during construction. However, as the project progressed, the contract was changed to a Design-Bid-Build project with Horrocks as the prime consultant.
04/24 - 9/24	I-80 Verdi Bridge Replacements Environmental Assessment, Reno, NV Senior Bridge Engineer. Interstate 80 (I-80) is a major east-west freeway traversing through northern Nevada and is the major transportation connection between Sacramento, the Bay Area, and the Truckee Meadows. As part of Nevada Department of Transportation's (NDOT) bridge maintenance program, 8 mainline I-80 bridges in the west Reno and Verdi area have been identified as priority candidates for replacement. These bridges include I-773 E/W, G-772 E/W, G-765 E/W and B-764 E/W and will be referred to herein as the Verdi Bridges. The bridges cross the third street on-ramp, Truckee River, UPRR, and Truckee Meadows Water Authority (TMWA) facilities.
10/19 - 03/20	* 4th Street Bridge Replacement over I-40, Flagstaff, AZ Structural Engineer. This project consisted of two single span bridges over both directions of the I40. The bridges were constructed in two segments, the short segment (27.333 feet) was built in place to be used as an emergency route during the removal of the existing bridge and the larger portion (66.33 feet) was built on temporary abutments and then slid into its final place using jacks on both ends. The superstructure consisted of AASHTO type VI girders supported on stub abutments founded on spread footing. Midhat's role was to design the sliding elements, jacking blocks, sliding bars, and sliding and final bearings.

Midhat Hassan continued

09/10 - 05/11	* Avondale Boulevard/ADOT Canal Bridge, AZ Bridge Design Engineer. Midhat was responsible for final design of the NB and SB widening of an existing three-span concrete slab bridge over a major drainage channel. Constraints included a 20-inch diameter high-pressure gas line and numerous other utilities.
06/15 - 02/17	* ADOT Bridge Inspection On-Call Contracts, AZ Structural Engineer. The scope of this contract included routine inspection for several bridges in different locations within Arizona. Bridges varied between steel and pre-cast pre-stressed girders to cast in place girders. Midhat was responsible for performing field inspection according to FHWA and ADOT guides, preparing the inspection reports, and rating the bridge elements according to NBI and ADOT manuals.
06/11 - 02/12	* Dubacher Canyon Hydraulic Structures, AZ Engineer of Record/Structural Engineer. This project included the final design of a wastewater tank, a single-span box culvert, and a stilling basin. The box culvert spanned 50 feet over the roadway. Midhat was responsible for structural design, developing the construction drawings, and post-design support.
12/08 - 07/09	* I-10 Freeway Median Widening, Verrado Way to Sarival Avenue, AZ Bridge Design Engineer. Midhat was responsible for final design of the EB and WB widening of two single-span bridges. Both structures were widened with three cells of cast-in-place/post-tensioned box girders spanning 126 feet.
04/08 - 12/08	* I-10 Freeway Westside Widening, Sarival Avenue to Dysart Road, AZ Bridge Design Engineer. Midhat was responsible for final design of the EB and WB widening of a 20-span bridge over Agua Fria River. The AASHTO Type IV superstructure was flared at one end to accommodate entrance and exit ramps. The piers were supported on circular columns and drilled shafts.
01/11 - 07/11	* I-10 Improvements, Ina Road to Ruthrauff Road DCR, Tucson, AZ. Bridge Design Engineer. Midhat was responsible for preliminary design and cost estimating for three new bridges carrying Ina Road over I-10 and the adjacent Union Pacific Railroad.
11/13 - 08/14	* NMDOT, I25 over Sandia Railroad Spur Bridge Replacement Design, NM Structural Engineer. These 132 foot two-span bridges were built side by side to carry I25 over Sandia RR. Both bridges are 63 feet wide with two equal spans supported on multicolumn pier founded on combined spread footing. Both bridges utilized 36 pre-stressed pre cast girders to support the superstructure. Midhat was responsible for the design of the center pier, he also, performed seismic check to make sure the pier has sufficient strength to stand in an extreme event (EQ).
06/23 - 04/24	* ADOT, I40 over Ranch Santa Fe, Kingman, AZ Lead Structural Engineer. This interchange consisted of two parallel bridges, both has the same length and width (44 feet10 inches). The superstructure is a concrete deck supported on UBT42inch pre-cast pre-stressed girders. The bridge has two identical spans supported on multicolumn center bent and tall abutments. All substructure elements are founded on spread footing. Standard ADOT retaining walls are required on all four corners of each bridge to retain the backfill behind those tall abutments. Midhat's role was to supervise and mentor the design team, manage and direct the plan production, review both calculations and plans, and arrange the quality review. Midhat also attended weekly meetings to coordinate with other disciplines and provided progress report for all structures.



* Prior Project Experience

16. STAFF EXPERIENCE:

	Firm Employed By:  Horrocks.				
	Name		Dana Ames, PE	Years of Relevant Experience with this Employer	18
	Title		Senior Structures Lead	Years of Relevant Experience with Other(s) Employers	29
	Degree(s)/Years/Specialization		MS / 1992 / Structural Design BS / 1988 / Physics BS / 1988 / Civil Engineering		
	Active Registration Number/State/Expiration Date		SE#33812 / AZ / 06.30.2026; PE#27525 / NM / 12.31.2027; CE / SE#010712 / NV / 12.31.2026; PE#8072512-2203 / UT / 03.31.2027		
	Year Registered	1993	Discipline	Civil Engineering	
Contract Role(s)/Brief Description of Responsibilities		Alternative Delivery Bridge Design Transportation Structures Design Project Management			
Dana has over 35 years of diversified experience in civil and structural engineering with a focus on structural design of transportation related structures. He is a licensed civil and structural engineer with extensive design experience of bridges, retaining walls, culverts, drainage structures, and overhead signs. His bridge design experience covers a wide range of bridge configurations, including simple and multi-span structures on both tangent and curved alignments, as well as highly skewed structures. He is familiar with the design of numerous superstructure types including I-girders, steel tub girders, cast-in-place post tensioned box girders, precast I-girders, precast box beams, conventional reinforced slabs, concrete arches, and other structure types. Dana has extensive experience in bridge substructure design, various transportation structure designs, and delivering projects utilizing design-bid-build, design-build, and CMAR methods.					
Experience Dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).				
01/20 - 02/23	Reno Spaghetti Bowl Xpress (SBX), Reno, NV Structural Lead. This design-build project included the reconstruction of I-580 from I-80 to Villanova Street. Work involved the widening and reconstruction of I-580 southbound lanes and bridges. In addition, northbound lanes were reconditioned through full-pavement reconstruction methods. The Horrocks/Ames team provided NDOT with an accelerated design and construction schedule and project phasing in order to enhance public safety. Due to increased lane capacity, the public now benefits from reduced traffic backups and congestion. Dana was responsible for supervising the completion of the bridges, walls, and other structures. He managed a team of structures and project engineers to determine final bridge layouts, types, substructure locations and other key elements for the bridges.				
10/15 - 12/19	Project Neon, Las Vegas, NV Engineer of Record/Structures Lead. Dana was responsible for managing scope, schedule, and budget. He also served as the Lead Engineer for the MSE wall design and was responsible for review and checking for the drainage structures and the Oakey Boulevard bridges. Project Neon was the largest public works project in Nevada at the time. The project widened 3.7 miles of Interstate I-15 between Sahara Avenue and the "Spaghetti Bowl" interchange in downtown Las Vegas. NDOT selected the Design-Build method to complete the first phase of the project.				
02/22 - 06/23	I-15; 5600 South Progressive Design-Build/PDB Weber County, UT Engineer of Record. Dana was the Engineer of Record (EOR) for the twin I-15 over 5600 S bridge and the CULV 1 bridge. He coordinated with other disciplines, completed preliminary design and layout of the structures, supervised preparation of the plans and calculations, and completed QC on items designed by others.				

06/18 - 04/23	Summerlin Parkway CC215 Interchange, Clark County, NV Structures Lead. Clark County Public Works (CCPW) selected Horrocks to provide final design of the CC215-Summerlin system-to-system interchange in west Las Vegas, NV. CCPW is implementing improvements that will provide direct and semi-direct free flowing movements between the CC-215 Western Beltway and Summerlin Parkway. Dana is responsible for supervising the completion of bridges, walls, and other structures. He is preparing the structural basis of design memo that provides basic design criteria for the bridges and walls. Dana works with other project engineers to determine final bridge layouts, types, substructure locations and other key elements for the bridges. During preliminary and final design, he reviews the plans and calculations completed by other staff to verify they meet project, NDOT, and AASHTO requirements.
08/16 - 04/24	Jones Blvd/Blue Diamond to Windmill, Las Vegas, NV Structural Lead. Dana was the initial contact with CCPW and is responsible for overall structural design and completion of the project including coordination with sub-consultants and control of the scope, schedule, and budget. Dana has led the retaining wall design effort completing horizontal and vertical layout of the walls, wall sections, and details. He has also supervised the completion of the bridge plans and calculations including completing a detailed review of the plan and calculations at each submittal stage, verifying the plans and calculations meet CCPW, NDOT and AASHTO standards. He is also responsible for utility coordination on the project.
02/22 - 03/24	I-15 South Phase 2 Sound Walls, Las Vegas, NV Structural Lead. Dana led the design of over three miles of soundwall, including coordination with other disciplines, establishing wall design criteria, supervising calculation, and plan preparation. Horrocks is augmenting NDOT's in-house design team by providing the structural design and drainage assessment for eleven new sound walls along three miles of mainline northbound and southbound I-15 and several interchange ramps and range from 14- to 18-feet tall. The new sound walls will run between the St. Rose Parkway and Blue Diamond Road Interchanges. Final design plans include new inlets and roadside ditches and details for new wall openings to mitigate runoff generated within the I-15 ROW.
02/22 - 03/24	US-89; Farmington to I-84 Progressive Design-Build, Farmington, UT Structures Engineer. Dana led the design of several retaining walls for the project. He also supervised preparation of calculations and plans and completed QC on items designed by others. Horrocks and Michael Baker International teamed to develop the design of six new bridges over US-89, two superstructure replacements for the US-89 bridges over the Weber River, soil nail walls, MSE walls, cast-in-place walls, custom post-and-panel walls, ground anchor walls, and two pedestrian trail box structures.
10/17 - 10/18	I-15 Tropicana Harmon Hacienda NEPA, Las Vegas, NV Project Manager. The Harmon Ave bridge has a unique layout that includes integration of an I-15 ramp structure, partial length bridge widening, and field splices to existing girders. Although this was only a 30% design, it was critical that sufficient analysis be performed to ensure the layout provided would not change afterwards. Due to the complex geometry of the bridge, which included both the integration of an I-15 ramp structure and a partial length bridge widening, additional analysis was required to ensure the layout provided was feasible and cost effective. This additional analysis included accounting for field splices to existing girders, pier caps running parallel to the edge of deck and complex thermal movements. Dana oversaw the design and review of the 30% plans. He was responsible for the personnel, budget, and schedule of the projects.
10/17 - 10/18	CC-215/Grand Montecito Parkway Bridge, Las Vegas, NV Project Manager. Dana was responsible for overall management of the project. Additionally, he oversaw the design of all structural elements required to complete the project, including the bridge and wingwalls. Dana was the primary contact with CCPW and responsible for coordination and communication with CCPW, NDOT, utility companies, subconsultants, and other project stakeholders.
10/17 - 12/20	I-15/215 System to System Interchange Phase 4, Las Vegas, NV Engineer of Record. Dana was responsible for control of scope, schedule, and budget. He led coordination efforts with other project disciplines. For the final design phase, Dana served as the Engineer of Record for the SW ramp over Tropical Parkway bridge.

16. STAFF EXPERIENCE:

	Firm Employed By:  Horrocks.				
	Name	Ryan Page, PE		Years of Relevant Experience with this Employer	4
	Title	Associate Bridge Engineer		Years of Relevant Experience with Other(s) Employers	16
	Degree(s)/Years/Specialization		MS / 2006 / Civil Engineering BS/2004/Civil Engineering		
	Active Registration Number/State/Expiration Date		PE#79632 / FL / 2.28.2027; PE#0050378 / CO / 10.31.2027; PE#13486210-2202		
	Year Registered	2015	Discipline	Civil Engineering	
Contract Role(s)/Brief Description of Responsibilities			Alternative Delivery Bridge Design Transportation Structures Design Project Management		
Ryan is a licensed Professional Engineer with 20 years of experience focused on transportation and infrastructure projects. He has designed and analyzed a wide range of bridge structure types, drainage structures, culverts, and retaining walls. He is knowledgeable regarding accelerated bridge construction (ABC) techniques, as well as highway bridge load rating, gusset plate rating, truss bridge rating, inspection, and condition assessment. Ryan has worked on complex design-build projects including the I-35E project in Dallas and the Gateway project in Kansas City. Ryan has performed work for the state departments of transportation in Colorado (CDOT), New Mexico (NMDOT), Utah (UDOT), Florida (FDOT), Kansas (KDOT), and Texas (TxDOT); as well as with the Canadian Pacific Railway (CP), Burlington Northern Santa Fe Railway Company (BNSF), and Montana Rail Link (MRL). Ryan is an advanced user of both bridge-specific and general structural analysis and computer-aided design and drafting (CADD) programs including: LARSA 4D, MIDAS, MDX, MicroStation, AutoCAD, Mathcad, PG Super, SP Column, and BrR. In addition to design, his responsibilities have included plan and proposal development, checking others' calculations for accuracy, and leading design teams.					
Experience Dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).				
03/21 - 04/23	I-15; Shepard Lane Interchange, Farmington, UT Senior Quality Control Bridge Engineer. Ryan is responsible for checking sheets and calculations for several bridge and wall structures. He checked the design calculations and the plan sheets for the E2800 pedestrian underpass as well as the superstructure sheets for bridge 11035C. Ryan also checked the plan sheets for wall R 921 which consisted of six total walls. He was the checker for overhead sign detail sheets and he completed load rating for C108 plan sheets.				
06/23 - 11/23 SECTION 17 PROJECT	I-15; 5600 South Progressive Design-Build Phase II, Weber County, UT Quality Control Manager. Phase 2 will progressed the design to a final level to Release for Construction (RFC) packages. Phase 2 includes design services during construction. Ryan continuing his QC role and was the checker for calculations and plan sheets for walls and bridges.				
02/22 - 06/23 SECTION 17 PROJECT	I-15; 5600 South Progressive Design-Build Phase I, Weber County, UT Quality Control Manager. Phase 1 utilized the progressive design build process to progress the design to a 30% to 60% level depending on the discipline. Ryan was the checker for calculations and plan sheets for walls R 935, R 936, R 937, and R 93; substructure sheets for bridge C 1102; and for partial substructure calculations. He was the Engineer of Record (EOR) on walls R 936, R 937, and R 938.				
10/21 - 11/22	I-15 MP 10-13 Widening, Exit 11 Interchange, Washington, UT Senior Quality Control Bridge Engineer. Ryan was responsible for checking sheets and calculations for several bridge and wall structures. He was checker for walls R 924, R 925, and R 926 and for some of the plan sheets for bridge F 947. Ryan also checked the load rating of structure 1F 947 and 3F 947.				

2018	* Connect 4, Design-Build, Irving, TX Senior Bridge Engineer. Ryan developed calculations for the superstructure and the substructure. The superstructure is prestressed concrete TxDOT "I" girders. The substructure is cast-in-place, conventionally reinforced concrete with hammerheads and multicolumn bents. He also designed the columns and the drilled shafts, and directed the CAD team on sheet production to match the calculations.
2011 - 2012	* I-15 CORE (Corridor Expansion), Utah County, UT Substructure Design Engineer. Ryan designed the substructure design for Center Street, as well the temporary foundation for Center Street Bridge, which was constructed off-site and moved into its final location using accelerated bridge construction (ABC) techniques. He also designed a temporary bridge consisting of a steel superstructure on temporary steel piles and provided structural engineering for the 920 South overpass, a single-span, prestressed concrete girder bridge supported on piles.
2022	* I-15, Tropicana Design-Build, Las Vegas, NV Senior Bridge Engineer. Ryan led the quality control team and was responsible for checking the sheets and calculations for Harmon Channel. Harmon Channel includes a completely buried box structure that transitions into an open channel. The entire structure consists of cast in place concrete with mild reinforcement. The design also included attachments for light poles and a safety railing.
2022	* I-17 Anthem Way to Jct SR 69 Design-Build, Maricopa and Yavapai Counties, AZ Senior Bridge Engineer. Ryan led the quality control team for checking the sheets and calculations for the widening of the twin structures at New River TI. The widening included stub abutments, piers on spread footings and deep drilled shaft foundations. The superstructure consisted of UBT prestressed concrete bulb "T" girders. Ryan was overall in charge of QC of every aspect of the bridge widening, including load rating and structure modification reports. He had a team working under his direct supervision for checking of each calculation. These calculations included girders, deck, bearings, columns, pier caps, abutments and foundations.
01/17 - 10/17	* I-25 South Gap Project: Widening Between Castle Rock and Monument, CO (Environmental Assessment - EA) Bridge Engineer. Ryan conducted a field investigation of each bridge and developed preliminary calculations for potential widening and replacement structure options, as well as preliminary structure selection reports. He also attended stakeholder coordination meetings.
09/15 - 10/17	* Region 5 Bridge Preventative Maintenance (BPM) Package, Archuleta, Dolores, and La Plata Counties, CO Bridge Engineer. This project involved inspecting seven bridges in Archuleta, Dolores, and La Plata Counties in Colorado, evaluating current conditions, and recommending rehabilitation options. Ranging from joint replacement to approach slab reconstruction to waterproofing and overlays, the team's recommendations resulted in actions including bridge deck repairs, installing waterproofing membrane, replacing expansion devices, and roadway resurfacing and re-striping. Ryan conducted site visits for structure inspections, developed calculations for repair actions. He also worked with CAD staff to develop plans for the structures and attended client meetings.
01/17 - 06/17	* Region 5 Major Structure Asset Management Plan: US 550 over the Animas River Bridge, Durango, CO Bridge Engineer. This project evaluated an existing bridge to determine if it was a candidate for minor Bridge Preventative Maintenance (BPM) repair, major rehabilitation, or replacement. The structure was determined to be scour critical and received a poor Load and Resistance Factor Design (LRFD) rating. Ryan conducted a site visit to inspect the bridge and he oversaw junior staff tasked with performing calculations and developing reports for the project.
2019 - 2020	* Mountain View Corridor Initial Phase, Salt Lake County, UT Senior Bridge Engineer. Ryan developed calculations for the superstructure and the substructure of the Cilma overpass. The superstructure is prestressed concrete UBT bulb "T" girders with a cast in place deck. The substructure is cast-in-place and followed the AASHTO Seismic Design Guide with UDOT specific direction.

16. STAFF EXPERIENCE:

**Other Services -
Tolling Services**

16. STAFF EXPERIENCE:

	Firm Employed By: 				
	Name	Nick DeVito, PE		Years of Relevant Experience with this Employer	20
	Title	Traffic Group Leader		Years of Relevant Experience with Other(s) Employers	0
	Degree(s)/Years/Specialization		BS / 2005 / Civil Engineering		
	Active Registration Number / State / Expiration Date		PE #78448 / FL / 02.28.2027 GA #041853 / GA / 12.31.2026		
	Year Registered	2015	Discipline	Civil	
Contract Role(s)/Brief Description of Responsibilities			Traffic		
Nick DeVito, PE, serves as the Orlando Traffic Group Leader and a Senior Project Manager for DRMP's Transportation Market Sector. His experience in traffic engineering design includes signing and pavement marking, signalization, lighting, intelligent transportation systems (ITS), electrical design traffic studies, and signal re-timing. He is currently responsible for engineering analysis, design, and project management. He has provided traffic design services for projects ranging from continuing service contracts as well as minor intersection improvements to major roadway construction, and limited access facilities. His experience spans a variety of clients from FDOT Districts One, Two, Three, Five, Seven, Florida's Turnpike Enterprise, Central Florida Expressway Authority, and various counties and cities.					
Experience Dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).				
06/16 - 12/21	SR 91 (Florida's Turnpike Mainline) Widening from SR 50 Interchange to Minneola Interchange (MP 273-279), Florida's Turnpike Enterprise, Orange and Lake Counties, Florida: ITS Engineer of Record responsible for the \$162.3 million widening of six miles of SR 91 from a 4-lane to 8-lane limited access facility. The project included a Public Meeting, extensive coordination with local agencies and presentations to County Commissioners and City Councils along with the development of Interlocal Agreements. The design consisted of 6.5 miles of roadway reconstruction including two interchanges, phased maintenance of traffic including a diversion for the length of the project limits, and two roundabouts along CR 455 adjacent to an overpass structure. The structural design effort was from the concept stage through final design for all structural elements on this project which included the replacement of the twin mainline bridges over Jones Road and Old Highway 50, the replacement of the CR 438 and CR 455 bridges, the replacement of the West Orange Trail pedestrian bridge and the addition of a new bridge to convey Fosgate Road over the mainline. The most significant project challenge was the structural design to accommodate traffic control. This required the extensive use of temporary walls and the design of temporary bridges to convey mainline traffic at the three bridge sites. Plans included all electronic tolling facility toll gantries, roadway, drainage, utility coordination, signing and pavement markings, temporary traffic control, structures, lighting, intelligent information systems, environmental permitting and surveying. The project also included the purchase of Right-of-Way for ponds only. This project is currently in construction.				
11/20 - 09/23	SR 516 (Lake Orange Expressway) from Orange/Lake County Line to SR 429 (Segment 3) (Contract #516-238), Central Florida Expressway Authority, Orange County, Florida: ITS Engineer of Record for this new systems interchange connecting SR 429 to SR 516, a new 4-lane limited access toll facility that extends to US 27. This interchange includes five new bridges, with two using concrete Florida-U Beams and three using steel box girders and four bridge widenings, where three are using Florida-I Beams and one is using steel I-girders. This project also includes two miles of roadway improvements along SR 429, which includes widening, adding ramps and milling and resurfacing of the remaining existing roadway, a new dual teardrop roundabout at the interchange with Valencia Parkway, permitting with FDEP and SFWMD, coordination with Orange County, Lake County, and local landowners, drainage, intelligent transportation systems, lighting, signing and pavement markings, tolling, aesthetics, and geotechnical services.				

Nick DeVito, PE continued

07/20 - 06/21	SR 538 (Poinciana Parkway) Capacity Improvements from Ronald Reagan Parkway to Cypress Parkway Design-Build (Contract #538-165), The Lane Construction Corporation for Central Florida Expressway Authority, Osceola County, Florida: ITS Engineer of Record for this \$94.4 million design-build project that widens SR 538 from a 2-lane undivided roadway to a 4-lane divided expressway for seven miles. This project includes the design of new bridges over the Reedy Creek Mitigation Bank, Marigold Avenue and KOA Street using Florida-I Beams and founded on prestressed concrete piles. The bridge over the Reedy Creek Mitigation Bank is over a mile long, designed to minimize environmental impacts and has minimum vertical clearance that allows the safe passage of wildlife below. The project also included over two miles of sound walls, drainage, environmental, permitting, signing and pavement markings, intelligent transportation systems, lighting, all-electronic tolling and utility upgrades for the Toho Water Authority. The design-build team's innovative designs included a revised pile configuration that saved \$5 million in project costs.
07/15 - 01/18	Systemwide Wrong-Way Detection (Contract #599-526C), Central Florida Expressway Authority, Orange County, Florida: Project Manager and Engineer of Record for an innovative systemwide wrong-way detection ITS project. The project consisted of the deployment of a Wrong-Way Detection System at 15 off-ramp locations and 10 mainline locations on the CFX roadway network. The project included product research, vendor coordination, development of specialized details for the installation, wiring, grounding and networking of the rapid flashing beacons and associated local hubs.
08/20 - Ongoing	SR 408/Tampa Avenue Interchange (Contract #408-315), TLP Engineering for Central Florida Expressway Authority, Orange County, Florida: ITS, Tolls and Electrical Engineer of Record for the SR 408/Tampa Avenue interchange modification from a half-diamond to a full diamond, with roundabouts at ramp terminals and widening of eastbound SR 408 from John Young Parkway to Orange Blossom Trail to 4-lanes. DRMP was responsible for the design of a new westbound ramp bridge over Rio Grande Avenue using Florida-U beams, the widening of eastbound SR 408 over Rio Grande Avenue using Florida-I beams and the associated walls. The ITS design and plans consisted of a new gigabit fiber network with supporting ITS devices, including Wrong-Way Driving Detection, CCTV, DCS, and TMS and tolling communications. It also included maintenance of communication plans to maintain end to end connectivity and device uptime during construction. All Electronic Toll ramp toll site design was completed along SR 408 for two interchange ramps (westbound off-ramp to Tampa Avenue and eastbound on-ramp from Tampa Avenue. Surveying services included design survey, Right-of-Way mapping and subsurface utility engineering. The design survey was performed using a combination of Mobile LiDAR, GPS and conventional survey methods.
06/07 - 12/17	SR 589 (Suncoast Parkway 2) from US 98 to South of W. Grover Cleveland Boulevard (MP 54.7-63.3), Florida's Turnpike Enterprise, Hernando and Citrus Counties, Florida: ITS Engineer of Record responsible for traffic design and ITS plans production from south of US 98 to south of West Grover Cleveland Boulevard for a new approximately nine miles of roadway and the interchanges with US 98 and Cardinal Road. The overall project is a new limited access all-electronic tolling facility to extend the Suncoast Parkway. The complete design included plans for roadway, drainage, bridge, intelligent transportation systems, signing and pavement markings, signals, lighting, Right-of-Way mapping and environmental permitting. Overall, ITS Concept of Operations, design and plans included new gigabit Ethernet communications with supporting field installations of dynamic message signs (mainline and arterial), CCTV Camera sites, vehicle detection systems, travel time systems (RFID and bluetooth) and highway advisory radio systems. Work included designing electrical services with automatic transfer switches and permanent generator backup for all field devices. Wiring and fiber splicing diagrams, equipment details and specifications were developed as part of this project.

16. STAFF EXPERIENCE:

	Firm Employed By:  Horrocks.				
	Name	Monica Pavlik, PE		Years of Relevant Experience with this Employer	1
	Title	Environmental Lead		Years of Relevant Experience with Other(s) Employers	31
	Degree(s)/Years/Specialization		MS / 1999 / Environmental Science and Engineering BS / 1993 / Geological Engineering		
	Active Registration Number/State/Expiration Date		PE#0036803 / CO / 10.31.2027		
	Year Registered	2003	Discipline	Civil Engineering	
Contract Role(s)/Brief Description of Responsibilities			Environmental & Permitting Services Project Management Alternative Delivery		
Monica is a seasoned civil and environmental engineer with more than 22 years of leadership in Federal Highway Administration (FHWA) project delivery. She has played a central role in major infrastructure projects across the United States and is nationally recognized for her expertise in NEPA, tolling, innovative project financing, risk management, and alternative contracting methods, including P3s and design-build. Known for her ability to guide complex, high-profile projects involving diverse stakeholders, Monica brings unmatched experience, strong technical acumen, and a collaborative leadership style to overseeing transportation programs. For nearly a decade, Monica has focused almost exclusively on FHWA projects exceeding \$500 million—designated as FHWA Major Projects, which are subject to additional federal requirements. Her work developing Initial and Annual Financial Plan updates, as well as FHWA-required Project Management Plans, has helped numerous projects maintain federal compliance, preserve funding eligibility, and stay on schedule.					
Experience Dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).				
2010 - 2013	*FHWA I-70 Mountain Corridor Tier 1 - Programmatic Environmental Impact Statement (PEIS), C-470 to Glenwood Springs, CO FHWA Lead. Monica coordinated with CDOT to bring in the US Institute for Environmental Conflict Resolution to help move the project forward by building a coalition for making consensus-based decisions on the corridor. The Tier 1 EIS was completed in 2011, and numerous Tier II projects have been efficiently completed since. Floyd Hill is a Tier II project, and she worked with CDOT and the Colorado Division to help the project team meet the Federal requirements for CRSA, Financial Plans and their Project Management Plan.				
2015 - 2018	*FHWA Central 70 PPP-RFP Development Through Construction, Denver, CO FHWA Lead. \$1.23 billion PPP is reconstructing I-70 between I-25 and Peña Blvd, adding 10 miles of Express Lanes in each direction, including a cut-and-cover tunnel. Monica provided federal oversight from RFP preparation through construction to ensure compliance with federal requirements, including FHWA Major Project Requirements.				
2012 - 2016	*FHWA US36 Phase I and Phase II-multi-modal reconstruction and widening from Denver to Boulder, CO FHWA Lead. Provided federal oversight, starting with the scoping for the EIS, completion of NEPA, RFPs development, and the completion and acceptance of construction. This was a TIFIA/TIGER challenge federal grant project, CDOT’s first use of TIFIA financing. This project was also CDOT/CTIO’s first Public-Private Partnership (PPP).				
2011 - 2025	*FHWA North I-25 EIS, Denver to Fort Collins, CO Environmental Engineer. A part of FHWA Oversight, Monica worked on this project off and on for many years. She led the NEPA process for FHWA from 2004 (scoping through the first ROD in 2011. From 2011-2025, she oscillated among others in the FHWA Colorado Division on various aspects of the procurement, subsequent environmental work and meeting FHWA Major Project requirements including Cost and Schedule Risk Assessments (CSRAs) and Financial Plans.				

* Prior Project Experience

16. STAFF EXPERIENCE:

**Other Services -
Roadway Lighting**

16. STAFF EXPERIENCE:



Firm Employed By:



Name	Michael Travis, PE		Years of Relevant Experience with this Employer	3
Title	Senior Electrical Engineer		Years of Relevant Experience with Other(s) Employers	27
Degree(s)/Years/Specialization	BS / 1996 / Electrical Engineering			
Active Registration Number/State/Expiration Date	PE#29940 / LA / 03.31.2028			
Year Registered	2001	Discipline	Electrical Engineering	

Contract Role(s)/Brief Description of Responsibilities Roadway & Aesthetic Lighting

For this contract, Michael will focus on roadway and aesthetic lighting design. He brings extensive experience in designing and overseeing the construction and operation of electrical systems for both private and public facilities. His expertise includes electrical lighting systems, emergency generator systems, security, life safety, and energy management systems. Michael has worked on projects for commercial buildings, correctional facilities, military facilities, parks, schools, and universities. He has provided comprehensive design of electrical power and control systems, including life safety, instrumentation, networking communication, and video surveillance. His designs incorporate segregated redundant networks using ring and star topologies for complex security access and control monitoring systems.

Experience Dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
02/15 - 09/16	Downtown Greenway, East Baton Rouge Parish, LA Michael completed the design of electrical lighting and power systems for a greenway to accommodate bicyclists and pedestrians in existing streets through the use of planted areas with feature lighting. Electrical design consisted of pathway lighting fixtures flush with the surrounding ground to illuminate the pathway along with accent lighting for existing monumental trees. Project provided LED source lighting fixtures for energy efficiency and low maintenance. Lighting design provided hinged base standards for ease of maintenance and provided local 120volt ground fault protected receptacles for use to connect decorative lighting. Design provided photocell-controlled lighting contractors to operate all the outdoor lighting.
07/08 - 02/09	Baton Rouge Metropolitan Airport Taxiway L Extension, East Baton Rouge Parish, LA Michael was responsible for the design that provided the replacement of excessive height roadway lighting fixtures on Interstate I-110 to a lower height compatible with the extension of Taxiway 'L' at the airport. Design required coordination with the requirements of the various Glide Slope Angles expected for the adjacent runway extension.
06/11 - 02/12	Louisiana State University Exterior Retrofit Lighting Michael was the Electrical Engineer responsible for the retrofitting of approximately 2,000 existing exterior building fixtures including road lighting with light sources to achieve a 50% reduction in operation and maintenance and to aide in personnel security at the main campus. Roadway lighting retrofit was for all of Nicolson Extension and from gate to gate on Highland Road.
10/10 - 06/11	Camp Minden Phase I LA ARNG Regional Training Institute, Minden, LA Michael responsible for the design of primary electrical distribution system including the Central Plant electrical design, emergency generator system/distribution. Fiber backbone underground communication system / distribution. Roadway and vehicle parking lighting for the Training Site.

16. STAFF EXPERIENCE:



Firm Employed By:  **DRMP**

Name	Justin Hayes, EI		Years of Relevant Experience with this Employer	6
Title	Area Traffic Group Leader		Years of Relevant Experience with Other(s) Employers	16
Degree(s)/Years/Specialization	BS/2012/Electrical Engineering			
Active Registration Number/State/Expiration Date	EI#1100022172/FL			
Year Registered	2018	Discipline	Civil Engineering	

Contract Role(s)/Brief Description of Responsibilities ITS

For these contracts, Justin will focus on implementing advanced technologies to improve traffic management and enhance transportation efficiency. Justin will develop and deploy systems for traffic monitoring, signal control, and traveler information to optimize the flow of vehicles and reduce congestion. Justin oversees design and plans production in traffic engineering, focusing on intelligent transportation systems (ITS), signing, and roadway lighting. His responsibilities extend to shop drawing review, utility coordination, cost estimates, traffic studies, and lighting analysis. With expertise in wiring circuits, electromechanical repairs, and electrical technologies, including analog and digital circuits, Justin's experience includes circuit design and software development for locomotive simulators for clients such as Amtrak, Siemens, Union Pacific, and BNSF.

Experience Dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
10/18 - 06/23	Wekiva Parkway Section 8 Interchange Design-Build, The Lane Construction Corporation for FDOT District Five, Seminole County, FL Traffic Engineer responsible for the electrical design of the decorative lighting for both alternating and direct current system for the design of a limited access toll road starting from Orange Boulevard to east of Rinehart Road. This \$263.3 million project includes a new system to system interchange that connects I-4, SR 417 and SR 429 as well as accommodates future express lanes. The design utilized specialized wall washer fixtures, pole top fixtures, and LED rope lighting. The project includes 20 new bridges and two bridge widenings. Bridge types include a combination of single and multi-span bridges, concrete Florida-I Beams and steel plate girders. The design-build team's approved interchange alternative technical concept improves operations and safety during and after construction, while reducing overall impacts and long-term maintenance costs. Other project design elements include complex maintenance of traffic, drainage design, permitting, signing and pavement marking, lighting, signalization, intelligent transportation systems, landscape, geotechnical, tolling and surcharge areas to consolidate deep muck.
06/21 - 08/21	Audible Pedestrian Detectors, FDOT District Two, Nassau, Clay, Duval, and Clay Counties, FL Electrical Engineer responsible for installing and setting up an audible pedestrian detector at South 8th Street and Beech Street in Nassau County. Justin also repaired an audible pedestrian detector at the intersection of Martin Luther King Jr. Parkway, and Main Street. Reviewed all remaining audible pedestrian detectors in the remaining counties for proper operation. Determined that signals that rested in crosswalk would unnecessarily cause visually impaired individuals to wait for an entire cycle.
03/20 - Ongoing	SR 8 over SR 10 (US 90A) Nine Mile Road (Bridge#480061) FDOT District Three, Escambia County, FL Electrical Engineer responsible for developing the electrical design for the ITS system and lighting system for the replacement of the twin bridges at SR 8 (I-10) over SR 10 (Nine Mile Road). The bridges were programmed for replacement due to structural deficiency and insufficient vertical clearance. The recommended replacement bridges consist of two-span at 170'-6" each with an overall bridge length of 341'-0" and configured to accommodate the interim SR 10 suburban typical section and the future diversion diamond interchange. The bridge construction will proceed with a three-phase approach, with the middle portion being removed and replaced. Westbound traffic will be placed on the newly constructed middle portion while the westbound bridge is removed and replaced. The last phase is a mirror of the second phase. The phased construction is facilitated by temporary critical walls strategically placed to avoid utilities. The design is currently ongoing and has required extensive coordination with two Design-Build projects on an ongoing PD&E project.

Justin Hayes resume continued

08/20 - Ongoing	SR 408/Tampa Avenue Interchange (Contract#408-315), TLP Engineering for Central Florida Expressway Authority, Orange County, FL Electrical Engineer responsible for developing the electrical design for the ITS system and lighting system for the SR 408/Tampa Avenue interchange modification and widening of eastbound SR 408 from John Young Parkway to Orange Blossom Trail to 4-lanes. DRMP was responsible for the design of a new westbound ramp bridge over Rio Grande Avenue using Florida-U Beams, the widening of eastbound SR 408 over Rio Grande Avenue using Florida-I Beams, and the associated walls. The intelligent transportation system (ITS) design and plans consisted of a new gigabit fiber network with supporting ITS devices. All Electronic Toll ramp toll site design was completed along SR 408 for two interchange ramps (westbound off-ramp to Tampa Avenue and eastbound on-ramp from Tampa Avenue. Surveying services included design survey, right-of-way mapping and subsurface utility engineering. The design survey was performed using a combination of Mobile LiDAR, GPS, and conventional survey methods.
04/22 - 09/22	Cabinet Riser Base Design, FDOT District Two, St. Johns County, FL Project Manager responsible for aiding in designing the cabinet riser base, testing, and installation. The Historical Districts in St. Johns County experienced significant flooding due to Hurricanes Matthew and Irma. The project included a riser base that can be installed under the traffic signal cabinets to raise the cabinets high up off the ground to avoid future flooding impacts. The design was tested to withstand forces exerted by a Category 4 hurricane. Once the initial design was complete for Type 6 cabinets, other designs were created for different size cabinets.
09/21 - Ongoing	System-wide Guide Sign (Contract#599-646) WBQ Design and Engineering, Inc. for Central Florida Expressway Authority, Orange County, FL Electrical Engineer responsible for developing the electrical design for the ITS system and lighting system for the CFX System-wide guide sign and lighting replacement of existing conventional, underdeck, and guide sign lighting systems to LED at various locations along SR 417, SR 429, SR 451, and SR 528. Project limits include 11 miles of mainline, three intersections, nine bridges, and 126 guide signs, totaling approximately 20 miles. Design elements include permitting, signing and pavement markings, lighting, and intelligent transportation systems. Other project design elements included survey, geotechnical, electrical, and structural design and analysis for proposed and existing overhead sign structures.
04/22 - Ongoing	Fiber Interconnect along SR A1A, SR13 and SR 312, Atkins for FDOT District Two, St. Johns and Duval Counties, FL Traffic Engineer responsible for designing fiber optic system to repair and complete FDOT's backbone fiber system in District Two to support this task that consists of the development of a set of fiber interconnect plans for three separate corridors along SR A1A, SR13 and SR 312. DRMP provided ITS Analysis, fiber interconnect design and development of the existing ATMS system. The first corridor involved installing 1700 feet of underground conduit and fiber cable along SR A1A from Ponte Vedra Lakes Boulevard to Marsh Landing Parkway in St. Johns County and Duval County. The second corridor involved installing 2400 feet of bridge-mounted conduit and fiber cable across the Julington Creek Bridge on SR 13 in St. Johns County. The third corridor involved replacing 200 feet of damaged conduit and replacing 2700 feet of existing fiber cable along SR 312 in St. Johns County.
05/22 - Ongoing	SR 313 (SR 312 Extension) from SR 312/SR 207 Intersection to Holmes Boulevard, FDOT District Two, St. Johns County, FL Electrical Engineer for a new alignment project from just south of SR 207 to Holmes Boulevard. The project includes design of a 2-lane rural typical design, stormwater treatment facilities, permitting, widening, milling and resurfacing, maintenance of traffic, utility coordination, signing and pavement marking, signalization, lighting, geotechnical services and survey.

16. STAFF EXPERIENCE:

	Firm Employed By:  Horrocks.				
	Name		Ashley Dowell, PE	Years of Relevant Experience with this Employer	13
	Title		ITS Design Group Manager	Years of Relevant Experience with Other(s) Employers	0
	Degree(s)/Years/Specialization		MS / 2013 / Civil Engineering BS / 2012 / Civil Engineering		
	Active Registration Number/State/Expiration Date		PE#P-23399 / ID / 07.31.2026; PE#98885 / FL / 02.28.2027; PE#9867472-2202		
	Year Registered	2016	Discipline	Civil Engineering	
Contract Role(s)/Brief Description of Responsibilities		Alternative Delivery Roadway & Aesthetic Lighting ITS Design			
Ashley is a professional engineer in the state of Utah and a certified Road Safety Professional (RSP1). Her 13 years of experience includes traffic engineering, roadway safety evaluations, ITS, traffic signal, and lighting designs. Her expertise covers all facets of design, including warranting analyses, AGi32 photometric calculations, site plan layouts, circuit design, and material reviews during construction. She has extensive knowledge of the DOT Signal and Lighting Design Guidelines and IES and AASHTO Roadway Lighting Design Guides. As the Signals and Lighting Design Lead for Horrocks, Ashley's role includes the design of traffic signals that range from HAWK signals to Single-Point Urban Interchange (SPUI) signals and lighting systems, that range from trail underpasses, and local street lighting to freeway high mast lighting. Additionally, she provides oversight design support for UDOT, reviewing signal and lighting designs for various Design-Build (DB) projects in the state. As Project Manager, Ashley has the opportunity to collaborate with many entities on a project, including local and DOT counterparts, other consultant engineers, and utility companies. She navigates a project's signal and lighting betterment requests for cities, power service requests, and cross-discipline design coordination to resolve conflicts during design and construction. She understands communication is critical to a successful project.					
Experience Dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).				
06/23 - Ongoing SECTION 17 PROJECT	5600 South PDB Phase II, Roy, UT Traffic Engineer. Ashley is assisting with the design of all traffic signals and street lighting for this project located on I-15 and SR-97 (5600 South) within Roy and Riverdale City. This is an interchange reconstruction and SR-97 widening project to reduce congestion and improve safety from I-15 west to SR-108. The major items of work include a new interchange with multiple structures, road widening (including widening an existing structure over railroad), intersection improvements, trail systems, utilities, drainage, survey, ROW, traffic modeling, ITS, lighting, signals, signing, environmental reevaluation, and Hill Air Force Base coordination.				
03/21 - 4/23	I-15; Shepard Lane Interchange, Farmington, UT Traffic Engineer. Ashley is assisting with the design of all traffic signals and street lighting for this project which involves adding a new IC at Shepard Lane, including bridges over I-15 and UPRR/UTA and a series of dedicated pedestrian bridges and a trail at Park Lane for access from the UTA park and ride to the east side of US-89. Horrocks' role includes project management; IACR development; structural, oversight of geotechnical, roadway, drainage, signals, lighting, signing, and utility design; and railroad coordination. Horrocks is also providing supplemental mapping and topography, ROW plans, and SUE.				
10/21 - 11/25	I-15 Spanish Fork/Springville Interchange Design, Utah County, UT Traffic Engineer. Ashley is assisting with the design of all traffic signals and street lighting for this project that has created a new I-15 interchange at 4800 S./1600 S. in Spanish Fork/Springville, roadway rehabilitation and widening from Main Street to SR-51, and a new structure over the Union Pacific Railroad (UPRR).				

Ashley Dowell continued

01/20 - 11/22	Reno Spaghetti Bowl Xpress Design-Build, Reno, NV Traffic Engineer. Ashley assisted with the design of all traffic signals and street lighting. Horrocks provided the design for widening, realignment, and reconstruction of the I-580 southbound lanes, including the southbound bridges, and reconstruction of the interior northbound lanes.
08/18 - 12/19	US-89, Farmington to I-84 Progressive Design-Build, Farmington, UT Traffic Engineer. Ashley was the design lead for all street lighting, signing, and traffic signals responsible for preparing the designs, plans, specifications, and ensuring the designs complied with UDOT and MUTCD standards. She also conducted corridor-wide safety analyses to recommend safety improvements for inclusion in the project.
12/13 - 09/18	SR-18; Interchange at Bluff & Sunset Street, St. George, UT Traffic Engineer. Ashley designed the street lighting and traffic signals. This included all calculations, plans and details for street lighting, pedestrian tunnel lighting, and traffic signals in accordance with MUTCD and state regulations. She also completed a safety analysis for the corridor based on historical crash data.
11/17 - 03/21	I-15 Northbound; Bangerter Highway to I-215, Salt Lake County, UT Traffic Engineer. Ashley provided design oversight support for traffic signal, street lighting, and ITS designs. She was responsible for developing the contract requirements and reviewing plans and specifications, and ensuring the design was in compliance with the contract.
05/22 - 04/24	I-90; Spokane Street to US-95, Coeur d'Alene ID Illumination Design Lead. Ashley was the Illumination Design Lead for this project providing IC ramp lighting and mainline continuous lighting on I-90. Ashley also provided the safety analysis for the IC modification report for this project.
11/15 - 01/17	USA Parkway Design-Build, Reno, NV Traffic Engineer. Ashley was the lead designer for the street lighting, ITS, signing, and traffic control plans. This included all calculations and designs for roundabout lighting, CCTV sites, AVCS sensors, and the sign layouts in accordance with MUTCD and state regulations. She also assisted with QC for the traffic control plans and details.
07/17 - 05/18	Garnet Interchange Design-Build, North Las Vegas, NV Traffic Engineer. Ashley assisted with the design of traffic signals and street lighting for this project that redesigned and reconstructed the I-15 Garnet IC and provided improvements to the US-93 corridor. Horrocks' design utilized a modified diverging diamond IC to improve traffic flow, reduce travel times, and increase safety for motorists.
10/14 - 04/15	I-15 Exit 118 Design-Build Program Management, Mesquite, NV Traffic Engineer. Ashley assisted with the design of all traffic signals and street lighting for this project that included an arch bridge over I-15; four ramps; 1,500 feet of Lower Flat Top Drive; traffic modeling and analysis; storm drain design; culvert crossings jacked and bored beneath I-15; extensive retaining walls; and environmental support. While functioning as the program manager, Horrocks developed the preliminary design of the interchange in accordance with NDOT, AASHTO, RTC and Mesquite standards.

16. STAFF EXPERIENCE:



Firm Employed By:  DRMP				
Name	John Florez, PE		Years of Relevant Experience with this Employer	9
Title	Traffic Engineer		Years of Relevant Experience with Other(s) Employers	0
Degree(s)/Years/Specialization		BS/2014/Civil Engineering		
Active Registration Number/State/Expiration Date		PE#91167/FL/02-25-2028		
Year Registered	2021	Discipline	Civil Engineering	
Contract Role(s)/Brief Description of Responsibilities		ITS Designer		
For these contracts, John will be responsible for directing the planning, design, and deployment of ITS solutions for transportation projects. Leading a team of specialists, he will oversee the development and implementation of innovative technologies aimed at enhancing traffic management, safety, and efficiency.				
Experience Dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
10/18 - 06/23	Wekiva Parkway Section 8 Interchange Design-Build, The Lane Construction Corporation for FDOT District Five, Seminole County, FL Lighting Engineer responsible for plans production and lighting analysis for the design and construction of 2.63 miles of limited access toll road starting from Orange Boulevard to east of Rinehart Road. This \$263.3 million project includes a new system to system interchange that connects I-4, SR 417 and SR 429 as well as accommodates future express lanes. The project includes 20 new bridges and two bridge widenings. Bridge types include a combination of single and multi-span bridges, concrete Florida-I Beams and steel plate girders. The design-build team's approved interchange alternative technical concept improves operations and safety during and after construction, while reducing overall impacts and long-term maintenance costs. Other project design elements include complex maintenance of traffic, drainage design, permitting, signing and pavement marking, lighting, signalization, intelligent transportation systems, landscape, geotechnical, tolling and surcharge areas to consolidate deep muck.			
06/07 - 12/17	SR 589 (Suncoast Parkway 2) from US 98 to South of W. Grover Cleveland Boulevard (MP 54.7-63.3), Florida's Turnpike Enterprise, Hernando and Citrus Counties, FL Traffic Engineer responsible for lighting design and lighting plans production for the design of approximately nine miles of roadway and the interchanges along US 98 and Cardinal Road. The overall project was a new limited access all-electronic toll facility to extend the Suncoast Parkway. The complete design included plans for roadway, drainage, bridge, intelligent transportation systems, signing and pavement markings, signals, lighting, right-of-way mapping and environmental permitting. Overall, ITS Concept of Operations, design and plans included new gigabit Ethernet communications with supporting field installations of dynamic message signs (mainline and arterial), CCTV Camera sites, vehicle detection systems, travel time systems (RFID and bluetooth) and highway advisory radio systems. Work included designing electrical services with automatic transfer switches and permanent generator backup for all field devices. Wiring and fiber splicing diagrams, equipment details and specifications were developed as part of this project.			

John Florez resume continued

06/16 - 12/21	SR 91 (Florida's Turnpike Mainline) Widening from SR 50 Interchange to Minneola Interchange (MP 273-279), Florida's Turnpike Enterprise, Orange and Lake Counties, FL Traffic Engineer responsible for the \$162.3 million widening of six miles of SR 91 from a 4-lane to 8-lane limited access facility. The project included a Public Meeting, extensive coordination with local agencies and presentations to County Commissioners and City Councils along with the development of Interlocal Agreements. The design consisted of 6.5 miles of roadway reconstruction including two interchanges, phased maintenance of traffic including a diversion for the length of the project limits, and two roundabouts along CR 455 adjacent to an overpass structure. The structural design effort was from the concept stage through final design for all structural elements on this project which included the replacement of the twin mainline bridges over Jones Road and Old Highway 50, the replacement of the CR 438 and CR 455 bridges, the replacement of the West Orange Trail pedestrian bridge and the addition of a new bridge to convey Fosgate Road over the mainline. The most significant project challenge was the structural design to accommodate traffic control. This required the extensive use of temporary walls and the design of temporary bridges to convey mainline traffic at the three bridge sites. Plans included all electronic tolling facility toll gantries, roadway, drainage, utility coordination, signing and pavement markings, temporary traffic control, structures, lighting, intelligent information systems, environmental permitting and surveying. The project also included the purchase of right-of-way for ponds only.
04/18 - 02/20	SR 528/SR 436 Interchange Improvements and SR 528 Widening from SR 436 to Goldenrod Road (Contract#528-143), Central Florida Expressway Authority, Orange County, FL Lighting Engineer responsible for plans production and lighting analysis for the reconstruction of the SR 528/SR 436 interchange and widening of SR 528 from 4-lanes to 6-lanes with an auxiliary lane eastbound to Goldenrod Road and westbound to Conway Road. This project includes construction of seven new bridges using a mix of steel box girders and concrete Florida-U Beams as well as the replacement of one box culvert. This project also involved extensive coordination with the Greater Orlando Aviation Authority and the Federal Aviation Administration as this interchange serves as the north entrance and exit to the Orlando International Airport. Other project design elements included complex maintenance of traffic, drainage design, permitting, signing and pavement marking, lighting, signalization, intelligent transportation systems and geotechnical analysis.
03/20 - Ongoing	SR 8 over SR 10 (US 90A) Nine Mile Road (Bridge#480061) FDOT District Three, Escambia County, FL Lighting and ITS Engineer responsible for design and plans production for the replacement of the twin bridges at SR 8 (I-10) over SR 10 (Nine Mile Road). The bridges were programmed for replacement due to structural deficiency and insufficient vertical clearance. The recommended replacement bridges consist of two-span at 170'-6" each with an overall bridge length of 341'-0" and configured to accommodate the interim SR 10 suburban typical section and the future diversion diamond interchange. The bridge construction will proceed with a three-phase approach, with the middle portion being removed and replaced. Westbound traffic will be placed on the newly constructed middle portion while the westbound bridge is removed and replaced. The last phase is a mirror of the second phase. The phased construction is facilitated by temporary critical walls strategically placed to avoid utilities.
09/01 - 07/04	SR 408 Widening from SR 417 to Alafaya Trail (Contract 408-128), Central Florida Expressway Authority, Orange County, FL Traffic Engineer responsible for the development of plans and design of lighting system of a limited access toll facility from 4-lanes to 6-lanes, continuing the overall widening of SR 408 from downtown Orlando to the eastern roadway terminus just east of Alafaya Trail, includes interchange modification with the reconstruction of two ramps at Rouse Road, existing mainline toll plaza modifications, one new ramp toll plaza, three bridge widenings and one bridge replacement over Alafaya Trail. The widening alleviates congestion at the current point of lane reduction just east of the SR 417 interchange, adds capacity with additional travel lanes and auxiliary lanes and improves safety with features such as increased clear zones, wrong way detection and guardrail height. Design elements include highway design, drainage, structures, intersections, interchanges, toll plazas, temporary traffic control plans, lighting, intelligent transportation systems, signalization, signing and pavement marking and utility coordination.

16. STAFF EXPERIENCE:

**Other Services -
Graphic Design & Public Relations**

16. STAFF EXPERIENCE:



Firm Employed By: **alta**

Name	Spencer Finch, PE, LEED AP		Years of Relevant Experience with this Employer	26
Title	Trail Design		Years of Relevant Experience with Other(s) Employers	0
Degree(s)/Years/Specialization	BS / 1997 / Environmental Engineering MS / 2001 / Transportation Engineering			
Active Registration Number / State / Expiration Date	PE #24GE04624300 / NC / LEED Accredited Professional			
Year Registered	1993	Discipline	Civil	

Contract Role(s)/Brief Description of Responsibilities Traffic

Spencer is an engineering leader with 26 years of experience. His distinctive set of skills and expertise includes transportation engineering (Complete Streets and bicycle and pedestrian facility planning and design), environmental engineering and due diligence, green stormwater infrastructure planning and design, environmental, transportation and natural resources permitting, and sustainable infrastructure. He has expertise in grant writing/grant management, helping projects secure funding at early stages of development and advance through subsequent stages.

Experience Dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
01/20 - Ongoing	Elm Street and Heritage Greenway Design, High Point, NC: Principal-in-Charge. Spencer is the Principal-in-Charge of the Elm Street and Heritage Greenway Design project for the City of High Point. Alta is currently engaged in the 30% Design Plan phase of the project, which will prepare two alternative alignments of the Heritage Greenway (dependent on railroad acquisition) and for the makeover of Elm Street into a safer, greener, more inviting corridor for pedestrians and bicyclists, connecting downtown High Point to the Amtrak Station and the Truist Stadium, among other destinations.
01/22 - Ongoing	High Point West Green Drive GSI Conceptual Design, NC: Project Manager, Principal-in-Charge. Alta conducted an analysis with the goal of performing a preliminary engineering review to evaluate the feasibility of installing GSI stormwater control measures (SCMs) on the street to identify potential locations and types of SCM to be used. As Project Manager and Principal-in-Charge, Spencer developed and managed the scope for the feasibility assessment and alternatives analysis, and then supervised the team as they developed the conceptual design and cost estimate.
01/23 - 12/24	Maynard Road/Black Creek Greenway Crossing Feasibility Study, Cary, NC: Principal-in-Charge. Alta is conducting a feasibility study for an underground crossing where the Black Creek Greenway meets Maynard Road in Cary, NC. Spencer is the Principal-in-Charge, providing comprehensive leadership for the project.
01/20 - Ongoing	Utle Creek Greenway Design Phase II, Holly Springs, NC: Principal-in-Charge. With Spencer as Principal-in-Charge, Alta led the design of the second phase of the Utle Creek Greenway. The greenway will connect the Holly Glen neighborhood to the first phase of the greenway. The project consists of preparing full design plans, specifications, and permitting for approximately one mile of a 10-foot-wide asphalt trail.
01/20 - 12/21	LYNX Silver Line Rail Trail Study, Charlotte, NC: Principal-in-Charge. Alta led conceptual design services for a continuous 29-mile rail trail corridor that parallels the future Silver Line light rail system and spans more than five jurisdictions across the greater Charlotte area. The planning study focused on determining a feasible alignment for the rail trail and developing a framework for implementation, and Alta has now progressed to assist the design team with 30% design plans. Spencer served as Principal-in-Charge.

16. STAFF EXPERIENCE:



Firm Employed By: **alta**

Name	Mike Repsche, PE		Years of Relevant Experience with this Employer	25
Title	Trail Design		Years of Relevant Experience with Other(s) Employers	0
Degree(s)/Years/Specialization	BS / 2000 / Civil Engineering MS / 2001 / Environmental Engineering			
Active Registration Number / State / Expiration Date	PE#33609 / NC / 12-31-2026			
Year Registered	2007	Discipline	Civil	

Contract Role(s)/Brief Description of Responsibilities Traffic

Mike is a Principal and Professional Engineer with 25 years of experience. He has a vast, diverse background working on challenging active transportation projects throughout the United States. His ability to provide multi-disciplinary services from planning to engineering makes him a unique asset to any team. Mike has spearheaded numerous projects from inception through design and development. Mike's highlighted projects include: greenway and bikeway design, green infrastructure design, multimodal corridor studies, transportation system improvements, and transit and access plan for pedestrians and bicyclists.

Experience Dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
01/20 - Ongoing	Utle Creek Greenway Design, Holly Springs, NC: Project Manager. Alta, with Mike as Project Manager, led the design of the second phase of the Utle Creek Greenway. The greenway will connect the Holly Glen neighborhood to the first phase of the greenway. The project consists of preparing full design plans, specifications, and permitting for approximately one mile of a 10-foot-wide asphalt trail
01/17 - 12/18	Cross Charlotte Trail Hidden Valley Corridor, NC: Principal-in-Charge. Mike is serving as Principal-in-Charge for the Cross Charlotte Trail - Hidden Valley project. The project design includes various facility types to be constructed from Tryon Street to Orr Road, as well as neighborhood connections and a connection to MLK Middle School. The total project length is approximately 1.8 miles. The facility types for the project include greenways, sidepaths, and bike boulevards. Additional elements of the project include drainage design, boardwalks, walls, and signing, and pavement markings.
01/17 - 12/21	Cross Charlotte Trail 7th to 10th Street Segment, NC: Project Manager. Mike is the Project Manager and Lead Engineer for the planning and design of this segment of the Cross Charlotte Trail. This project includes the design and permitting of approximately 3,700 linear feet of the Cross Charlotte Trail between 7th Street and 10th Street, and also included the design of an underpass at the 7th Street Bridge. Mike led Alta's efforts to develop preliminary and final plans and designs for stormwater and drainage, structures, traffic signals, Right-of-Way phasing, and trail alignment.
01/17 - 12/24	Middle Creek Greenway, Apex, NC: Project Manager. Mike served as Project Manager for the greenway connection between the existing Holly Springs Greenway and the terminus of the existing Middle Creek Greenway. This project involved extensive coordination with NCDOT not only for the encroachment permit for the Sunset Lake Road crossing improvements, but also to enable a proper greenway connection beneath the NC-540 expressway. In order to avoid design conflicts, additional detailed coordination was required with the local municipality due to the project's proximity to an adjacent sewer pump station. Key design elements of the greenway include: a trailhead area with parking and user amenities, a pedestrian refuge island crossing a DOT maintained roadway, and a wetland crossing.

16. STAFF EXPERIENCE:



Firm Employed By: **alta**

Name	Steve Bzomowski, AICP		Years of Relevant Experience with this Employer	14
Title	Trail Design		Years of Relevant Experience with Other(s) Employers	0
Degree(s)/Years/Specialization	MURP / 2011 BS / 2007 / Human Dimensions in Natural Resources			
Active Registration Number / State / Expiration Date	AICP #29491			
Year Registered	2016	Discipline	Civil	

Contract Role(s)/Brief Description of Responsibilities Design

Steve is a Planner in Alta's Durham office focusing on active transportation and open space planning across numerous contexts at the local, regional, and statewide level. He has a diverse skill set in GIS, writing, field and remote analysis, public engagement, and project management. Steve also has international experience and greatly values the diverse perspectives that each endeavor reveals in communities at home and abroad. He is highly motivated to find and focus realistic solutions that foster community innovation and lead to active, diverse, and prosperous places.

Experience Dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
01/24 - 12/24	Madison-Mayodan Greenway Study, Madison and Mayodan, NC: Project Manager. The Piedmont Triad Regional Council (PTRC), Towns of Madison and Mayodan, Rockingham County, and NC State Parks initiated this study to assess opportunities and challenges for connecting Mayo River State Park and the Towns of Madison and Mayodan with a greenway. Alta led this feasibility study that developed alignment recommendations based on a field and remote assessment, past planning, and stakeholder and community feedback. Recommendations include approximately four miles of off-street greenway trails, most of which already lie on publicly owned lands. Steve served as Project Manager.			
01/21 - 12/21	Raleigh Sidepath Study, NC: Project Manager. As Project Manager, Steve led the project team in examining the network of existing City of Raleigh sidepaths. This included general pavement condition evaluation, pavement and intersection markings, and opportunities and challenges for widening the City of Raleigh sidepath system from 8' (or less) to 10'. This analysis covered over 30+ miles of City of Raleigh sidepaths.			
01/20 - 12/21 Implementation Task 01/22 - 12/23	The Great Trails State (North Carolina Statewide Trail Network), NC: Lead Planner. Alta helped NCDOT, a 50+ member steering committee, and hundreds of stakeholders identify a proposed network of trails that connects every county in North Carolina. A major focus of this plan is to connect population centers with State Parks and provide a network of individual trails that connect neighborhoods, parks, schools, downtowns, job centers, and commercial services. As the Lead Planner for this effort, Steve led community engagement, existing conditions analyses, and the development of statewide recommendations.			
01/15 - 12/18	Wake County Greenway System Plan, NC: Planner. Alta created an implementation focused plan to create a connected and comprehensive system of greenway trails in Wake County. Steve led the GIS mapping and helped lead network development. This involved assessing over 170 miles of greenways that are either existing or in development across 12 municipalities within the County. The plan provides a framework for the implementation of a greenway system that strategically connects existing segments, communities, parks, schools, and other key destinations.			

16. STAFF EXPERIENCE:

	Firm Employed By: emergent method				
	Name		Brittany Winston	Years of Relevant Experience with this Employer	10
	Title		Graphic Designer	Years of Relevant Experience with Other(s) Employers	3
	Degree(s)/Years/Specialization		BA / 2012 / Graphic Design		
	Active Registration Number / State / Expiration Date		N/A		
	Year Registered	N/A	Discipline	Graphic Designer	
Contract Role(s)/Brief Description of Responsibilities			Graphic Design		
Brittany is a Graphic Designer with over 13 years of combined experience specializing in visual identity development, branding, and communications support for complex public-sector programs. She has led design efforts for major initiatives such as the Louisiana Watershed Initiative and CPRA Annual Plans, creating cohesive brand systems and a wide range of outreach materials to effectively engage diverse audiences. Her expertise includes translating technical information into compelling visual content across print, digital, and presentation formats to support stakeholder engagement and public understanding.					
Experience Dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).				
06/18 - Ongoing	Louisiana Watershed Initiative, Louisiana Office of Community Development (OCD), Baton Rouge, LA Graphic Designer. Brittany is responsible for establishing brand standards for the Louisiana Watershed Initiative. She serves on the team which leads outreach and engagement for LWI, overseeing all communication efforts. Initial branding related efforts included social graphics, flyers, mapping, templates, and presentations.				
09/18 - 10/21	Graphic Designer, Annual Report, The Water Institute of the Gulf, Baton Rouge, LA Graphic Designer. Brittany led the development and design of The Water Institute of the Gulf's Annual Report, which showcased the agency's current initiatives and progress over a multi-year period. Served as the graphic design lead, supporting community outreach and engagement through the creation of newsletters, brochures, rack-cards, and flyers. She was responsible for leading the development and management of the institutes' brand by creating brand logos, event signage, and ensuring consistency across deliverables.				
03/17- Ongoing	Restore Louisiana Homeowner Assistance Program, Office of Community Development (OCD), Statewide, LA Graphic Designer. Brittany supports design of complex visual brand identity system for clarity across a variety of audiences for the Restore Louisiana Homeowner Assistance Program. Creates supporting materials, such as posters, flyers, social graphics, templates, and presentations for outreach efforts. She oversees brand implementation by multiple contractors and state agency teams and supports development of specific communications both internal to the program and for external audiences.				
07/16 - Ongoing	Fiscal Year Annual Plans, Louisiana Coastal Protection and Restoration Authority, Baton Rouge, LA Graphic Designer. Brittany designed and developed Annual Plans for CPRA's Mississippi River Mid-Basin Sediment Diversions Program for Fiscal Year 2021, 2022, 2023, 2024, 2025, 2026, and 2027, which focused on providing maximum benefit and sustainability to Louisiana's rapidly deteriorating coastline. She designed layout and visuals for CPRA's 2017 Coastal Master Plan, a five-year strategic effort mandated by the state of Louisiana to find sustainable ways to protect and restore the coastal wetlands. Brittany created supporting materials, such as flyers, brochures, social graphics, templates, and presentations to aid CPRA's outreach and engagement efforts. Designed visuals and layout for CPRA's Coastal 101 presentation, a bank of slides that is used by CPRA to educate diverse sets of audiences on the history and causes of Louisiana's land loss crisis and how CPRA is addressing the issue.				

16. STAFF EXPERIENCE:

	Firm Employed By: emergent method				
	Name		Keesler Morrison	Years of Relevant Experience with this Employer	5
	Title		Communicator	Years of Relevant Experience with Other(s) Employers	2
	Degree(s)/Years/Specialization		BS / 2020 / Economics		
	Active Registration Number / State / Expiration Date		N/A		
	Year Registered	N/A	Discipline	Communicator	
Contract Role(s)/Brief Description of Responsibilities			Communicator		
Keesler is a communications and stakeholder engagement professional with 7 years of experience managing outreach strategies for infrastructure, environmental, and planning initiatives. He leads communications strategy development, stakeholder engagement, and content creation for complex programs, including the LADOTD Highway Priority Program and coastal restoration efforts. Keesler specializes in translating technical information into accessible messaging, facilitating public and stakeholder collaboration, and delivering high-impact communications that support program goals and decision-making.					
Experience Dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).				
9/26 - Ongoing	Highway Priority Program, Louisiana Department of Transportation and Development, Baton Rouge, LA Outreach and Engagement Project Manager. Keesler is responsible for creating deliverables to represent the Highway Priority Program and convert dense, complex information into an easy to read and understand format. Leads all content creation and graphic design work associated with the Highway Priority Program's outreach materials. He develops presentations, one-pagers, and other associated materials for distribution at the Highway Priority Program Roadshow.				
06/24 - Ongoing	Virginia Flood Protection Master Plan, Virginia Department of Conservation and Recreation, Statewide, VA Outreach and Engagement Project Manager. He is responsible for the overall direction of outreach and engagement strategies to effectively engage stakeholders. Leads overall strategy development and execution.				
06/24 - Ongoing	Comprehensive Conservation Management Plan, Lake Pontchartrain Restoration Program, St. Tammany Parish, LA Outreach and Engagement Project Manager. Keesler leads the overall strategy development and execution of stakeholder outreach and engagement. Responsible for deliverable development. He also leads in-person and virtual meeting preparation and execution to internal and external stakeholders, including logistics planning, coordination, and facilitation.				
06/24 - Ongoing	Atchafalaya Master Plan, Louisiana Coastal Protection and Restoration Authority, Baton Rouge, LA Outreach and Engagement Project Manager. Keesler is responsible for the execution of planning efforts by contributing to the overall direction of plans, including the definition of goals, objectives, and actionable steps to align with the organization's vision. He aids in the creation of presentations by organizing content, designing slides, and articulating key messages. Keesler also assists in the development of webinar outlines by structuring topics, planning interactive elements, and ensuring a coherent and engaging flow.				
01/22 - Ongoing	Fiscal Year 2023, 2024, 2025, 2026, and 2027 Annual Plans, Louisiana Coastal Protection and Restoration Authority, Baton Rouge, LA. Outreach and Engagement Project Manager. Keesler supports overarching communications strategy for the CPRA Annual Plans, which inventory projects, present implementation schedules, and identify funding schedules and budgets to provide an update on the state's efforts to protect and restore its coast and describe the short-term and long-term results that citizens can expect to see as the state progresses toward a sustainable coast. He leads content development through building relationships with project teams, administrative personnel, and executive leadership to understand project information and synthesize its budget, purpose, and status for public audiences. He coordinates community outreach and engagement efforts, including facilitating workshops, public meetings, and other various meeting facilitation needs by giving presentations, fielding questions, and serving as the liaison between the technical program team and community members. Keesler ensures program brand consistency across all communication channels, including presentations, talking points, print deliverables, and digital/social content.				

16. STAFF EXPERIENCE:

**Other Services -
Alternative Delivery**

16. STAFF EXPERIENCE:

	Firm Employed By:  DRMP			
	Name		TJ Lallathin, PE	
	Title		Senior VP of Alternative Delivery	
	Degree(s)/Years/Specialization		BS/2006/Civil Engineering	
	Active Registration Number/State/Expiration Date		PE#72433/FL/02-28-2027	
	Year Registered	2011	Discipline	Civil Engineering
Contract Role(s)/Brief Description of Responsibilities		Discipline Lead - Alternative Delivery		
For this project, TJ will oversee and coordinate the planning and execution of alternative delivery methods, ensuring alignment with project goals and regulatory requirements, managing multidisciplinary teams, and driving innovative solutions to optimize project delivery and performance. TJ has been involved in all phases of design, from preliminary engineering to the final design of highway-related structures for conventional and design-build projects. His bridge design experience includes concrete beams (AASHTO, Florida-I Beams, haunched box beams, post-tensioned girders) and steel girder bridges (I-girder, box girder), flat slab bridges (cast-in-place and prestressed panels), bridge widening, phased bridge replacements, new bridges, and pedestrian bridges.				
Experience Dates (mm/yy-mm/yy)		Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
10/18 - 06/23		Wekiva Parkway Section 8 Interchange Design-Build, The Lane Construction Corporation for FDOT District Five, Seminole County, FL Design Project Manager for the design of a limited access toll road starting from Orange Boulevard to east of Rinehart Road. This \$263.3 million project includes a new system to system interchange that connects I-4, SR 417 and SR 429 as well as accommodates future express lanes. The project includes 20 new bridges and two bridge widenings. Bridge types include a combination of single and multi-span bridges, concrete Florida-I Beams and steel plate girders. The design-build team's approved interchange alternative technical concept improves operations and safety during and after construction, while reducing overall impacts and long-term maintenance costs. Other project design elements include complex maintenance of traffic, drainage design, permitting, signing and pavement marking, lighting, signalization, intelligent transportation systems, landscape, geotechnical, tolling and surcharge areas to consolidate deep muck.		
04/16 - 04/18		SR 528 (Beachline Expressway) at Innovation Way Interchange Design-Build, Central Florida Expressway Authority, Orange County, FL Design Project Manager and Structures Engineer of Record for this design-build project which involved bridge design for five bridge sites and construction of a new interchange alignment between the proposed Innovation Way extension and existing SR 528. Roadway, signing and pavement marking, signalization, fiber optic network, lighting and retaining wall plans were completed upon initiating design. The five bridge sites included two ramp structures over the Brightline rail corridor, two structures carrying Innovation Way over Brightline and SR 528 and one widening at SR 528 over Innovation Way. The two ramp bridges consisted of Florida-I Beams (FIB) supported by post-tensioned, inverted-tee piers and were founded on prestressed concrete piles. In addition, the piers supporting the ramps were oriented at an approximate 60 degree skew angle and implemented aesthetic column shapes. The Innovation Way bridges also used FIBs founded on prestressed concrete piles. The bridge widening at SR 528 implemented AASHTO Type II Beams supported by standard piers. The project included the preparation of structural calculations and final plans for the bridge component, bridge load ratings and design and details for crash walls at the railroad crossings.		

TJ Lallathin resume continued

05/20 - 05/21	SR 538 (Poinciana Parkway) Capacity Improvements from Ronald Reagan Parkway to Cypress Parkway Design-Build (Contract#538-165), Central Florida Expressway Authority, Osceola County, FL Design Project Manager for this \$94.4 million design-build project to widen SR 538 from a 2-lane undivided roadway to a 4-lane divided expressway for seven miles. This project includes the design of new bridges over the Reedy Creek Mitigation Bank, Marigold Avenue and KOA Street using Florida-I Beams and founded on prestressed concrete piles. The bridge over the Reedy Creek Mitigation Bank is over a mile long, designed to minimize environmental impacts and has minimum vertical clearance that allows the safe passage of wildlife below. The project also included over two miles of sound walls, drainage, environmental, permitting, signing and pavement markings, intelligent transportation systems, lighting, all-electronic tolling and utility upgrades for the Toho Water Authority. The design-build team's innovative designs included a revised pile configuration that saved \$5 million in project costs.
09/22 - Ongoing	I-275 at I-4 Interchange Improvements Design-Build, FDOT District Seven, Hillsborough County, FL Design Project Manager for this interchange improvements project, which includes the design and construction of six new bridges, eight bridge widenings/modifications, four existing bridge coatings, and two existing bridge railing retrofits; widening the existing roadway from 2-lanes to 3-lanes in specific segments; improving existing drainage facilities, and providing complex temporary traffic control plans throughout each phase of the project to minimize disruption for all users. The design-build team's innovative alternative technical concept includes an innovative new dual-lane flyover bridge to accommodate the I-275 southbound traffic onto I-4 eastbound without needing a complex widening. This eliminates over 100 detours by performing off-line construction and provides FDOT with the opportunity to add a new I-4 eastbound auxiliary lane to the Selmon Expressway exit just east of the downtown interchange. Other project design elements include permitting, signing and pavement marking, lighting, signalization, intelligent transportation systems, landscape, and geotechnical.
01/16 - Ongoing	I-95 Express Lanes and Ramp Signals - Phase 3A-1 from South of Broward Boulevard to North of Commercial Boulevard, FDOT District Four, Broward County, FL Structures Engineer of Record for the widening of I-95 over Powerline Road as part of a design-build project which involved the widening of I-95 for approximately 6.6 miles and included 13 bridge sites. The existing I-95 over Powerline Road Bridges are twin four-span steel girder bridges consisting 97'-3" approach spans and 153'-3" main spans for an overall bridge length of 501'-0", with the two center spans being continuous. The substructures consist of reinforced concrete abutments and piers founded on prestressed concrete piles. The southbound bridge was widened 28'-2 5/8" and the northbound bridge was widened 27'-8 3/8" in order to incorporate two express lanes in each direction. The widening of the bridges was designed to match the existing structures, with the exception of the pier foundations. With the coordination of the design-build team, drilled shafts were used in place of driven piles to support the new piers in order to minimize the disruptions to traffic along Powerline Road during construction.
08/12 - 07/16	SR 9B extension from I-95 to US 1 Design-Build, Arcadis, Inc./Superior Construction Company Southeast, LLC. for FDOT District Two, Duval County, FL Structures Engineer of Record for this design-build project which involves design for two twin bridge sites, SR 9B over Veveras Drive and SR 9B over FEC Railroad and US 1. SR 9B over Veveras Drive is single span structure and consists of Florida-I 54 Beams supported by end bents founded on spread footings. Spread footings used in lieu of driven pile served to accelerate the project schedule and reduce construction costs. SR 9B over FEC Railroad and US 1 is a two-span structure and consists of Florida-I 78 Beams (FIB 78) supported by end bents and a standard pier founded on 24-inch square prestressed concrete piles. This FIB 78 superstructure alternative was a major cost and time savings over the conventional steel girders first proposed for this site. Both bridge sites accommodate a future median widening which includes additional piles driven in the median at SR 9B over FEC Railroad and US 1 end bents. The project included the preparation of structural calculations and final plans for all structural components, including bridges, MSE walls, mast arms, a cantilever sign structure, intelligent transportation system poles and bridge load ratings. Also provided Peer Review for the remainder of the bridges on this project.

16. STAFF EXPERIENCE:



Firm Employed By:  **Horrocks.**

Name	Matt Horrocks, PE		Years of Relevant Experience with this Employer	24
Title	Chief Operations Officer		Years of Relevant Experience with Other(s) Employers	0
Degree(s)/Years/Specialization		MS / 2004 / Civil Engineering BS / 2002 / Civil Engineering		
Active Registration Number/State/Expiration Date		PE#5338670 / UT /3.31.2027; PE#15265 / ID / 09.06.2026		
Year Registered	2007	Discipline	Civil Engineering	

Contract Role(s)/Brief Description of Responsibilities | Alternative Delivery | Program Management | Transportation Design | Roadway Design

Matt is the Innovative Contracting Business Line Leader for Horrocks with 24 years of experience with the firm in transportation engineering. In project management/roadway design roles on many projects, Matt has become known for delivering projects with unique design challenges and on tight schedules. Matt strives to implement his knowledge and expertise in developing innovative ideas and solutions to address project challenges and issues and has done so on several UDOT, ADOT, ITD and NDOT projects. Matt has established himself as a transportation leader who specializes in innovative contracting delivery methods including Design-Build (DB), Construction Manager/General Contractor (CMGC), Construction Manager At-Risk (CMAR), and Progressive Design-Build (PDB). Over the past 12 years, Matt has been the Lead Engineer on some of Horrocks' largest, most complex, and most aggressive projects to date, such as I-15 Garnet Interchange Design-Build, USA Parkway Design-Build, I-15 CORE Program Management, and I-15 Mesquite Interchange Design-Build. He also served as Lead Engineer for one of Horrocks' largest CMAR projects, Mountain View Corridor.

Experience Dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
01/20 - 06/23	Reno Spaghetti Bowl Xpress (SBX) Design-Build, Reno, NV Principal-in-Charge/Project Manager. This design-build project included the reconstruction of I-580 from I-80 to Villanova Street. Work involved the widening and reconstruction of I-580 southbound lanes and bridges. In addition, northbound lanes were reconditioned through full-pavement reconstruction methods. The Horrocks/Ames team provided NDOT with an accelerated design and construction schedule and project phasing that enhanced public safety. Due to increased lane capacity, the public benefits from reduced traffic backups and congestion. Matt was responsible for monitoring and directing the performance of design staff, coordinating with the client design team, final decision making on key design issues, ensuring design met all applicable standards, assembling plan set, specifications, engineer's estimate, and preparing final bid documents.
08/17 - 04/19	Garnet Interchange Design-Build, North Las Vegas, NV Principal-in-Charge/Project Manager. The Garnet Interchange 16-month fast-track project called for replacing the existing I-15 bridge structures, built in 1963, while building a new modified diverging diamond interchange. Other improvements consist of a 5-mile-long US-93 widening from two to four divided lanes from the Garnet Interchange to just north of Apex Power Parkway, with added capacity for future expansion. Meanwhile, a partial interchange was created at US-93 and Grand Valley Parkway, better servicing the 2,000-acre Apex Industrial Park in North Las Vegas. A 2-mile-long, two-lane frontage road was also added, parallel to US-93, that connects North Las Vegas Boulevard, Apex Great Basin Way and Grand Valley Parkway, with a future extension to Apex Power Parkway. Matt was responsible for monitoring and directing the performance of design staff, coordinating with client design team, final decision making on key design issues, ensuring design met all applicable standards, assembling plan set, specifications, engineer's estimate, and preparing final bid documents.

11/15 - 08/17	USA Parkway Design-Build, Reno, NV Principal-in-Charge/Project Manager. The roadway provides a new 19-mile transportation link between I-80 and US-50 at Silver Springs, the longest new alignment developed by NDOT in several decades. The project had a significant number of cuts and embankments, requiring careful consideration of roadside safety, including barrier/guardrail, cable rail, rock fall catchment and roadside ditch geometry. In addition, the project included 80 culvert crossings requiring significant hydraulic design and hydrological analysis, including energy dissipation and embankment protection, and was designed on a fast track 7-month schedule. This project provides a high-quality, aesthetically pleasing, durable, and maintainable roadway that accommodates increased truck traffic, improves mobility and safety for the public, and supports regional economic development. As Principal and Project Manager, Matt was responsible for monitoring and directing the performance of design staff, coordinating with the client design team, final decision making on key design issues, ensuring design met all applicable standards, assembling plan set, specifications, engineer's estimate, and preparing final bid documents.
06/14 - 09/15	SR-303L; US 60 to Happy Valley Parkway - Alternative Delivery, Maricopa County, AZ Design Principal/Design Manager. This five-mile segment of freeway reconstruction required Horrocks to work closely with ADOT and the design-build contractor to ensure all design elements and the project layout was accurate, within schedule, and met current safety standards. The team also coordinated with ADOT and adjacent construction projects along the SR 303 to facilitate a seamless flow between the projects during construction. Matt worked with ADOT's team to develop innovative technical solutions and project communication strategies that saved \$400,000.
06/08 - 02/12	I-15; Corridor Expansion (CORE) Design-Build Program Management, Utah County, UT Program Management Segment Design Lead. The I-15 Corridor Expansion (I-15 CORE) project was the largest freeway construction project in the State of Utah, with the fastest construction schedule for a billion-dollar public highway project in United States history. I-15 CORE was constructed for the Utah Department of Transportation (UDOT) by a consortium of local contractors with Horrocks as a major part of the program management team. The I-15 CORE project widened and reconstructed 24 miles of freeway, reconstructed more than four miles of cross streets, rebuilt and reconfigured ten freeway interchanges, and replaced 63 aging bridges. The project was located in Utah County through one of the most heavily trafficked corridors in Utah. In addition to the heavy traffic use, the project encompassed significant coordination with residents, businesses, government agencies, utilities, UTA, UPRR and other stakeholders. The project was completed on schedule and under budget. Matt was responsible for overseeing all design activities for his segment.
05/11 - 05/12	West Mesquite Interchange Design-Build, Mesquite, NV Design Manager. The project included the reconstruction of the diamond interchange to a roundabout style interchange, improving the on- and off- ramps; reconstruction of I-15 bridges; widening Falcon Ridge Parkway to increase access and safety and improve traffic flow; and providing a new local roadway connection from the interchange to Leavitt Lane. Matt was responsible for overseeing final construction plans and specifications for all design elements within his segment, SUE, utility relocations and agreements, ROW deeds and acquisition, GIS, survey, traffic signals, lighting, ITS, MOT, and storm drainage.
11/07 - 09/12	Access Utah County - Alternative Delivery, Utah County, UT Program Management Roadway Design Lead. Access Utah County is the consolidation of management of six major highway projects into a single UDOT project management team. SR-92, SR-77, Pioneer Crossing, Vineyard Connector, Payson Bridge Deck Replacement, and Geneva Road widening. By managing all six projects with one team, UDOT was able to accelerate the construction bidding process, enabling each project to be built sooner and provide congestion relief to several communities within the Utah Valley. Horrocks performed the following for the project: preliminary design, hydraulics, structure layouts, ATMS, cost estimate and Right-of-Way in design-build format with HNTB as prime consultant. Matt was responsible for overseeing all roadway design activities and the development of UDOT's diverging diamond interchange standards and guidelines.

16. STAFF EXPERIENCE:



Firm Employed By:  **Horrocks.**

Name	Shane Marshall, PE		Years of Relevant Experience with this Employer	8
Title	Chief Growth Officer		Years of Relevant Experience with Other(s) Employers	26
Degree(s)/Years/Specialization		BS/1995/Civil Engineering		
Active Registration Number/State/Expiration Date		PE#0045570 / LA / 9.30.2027		
Year Registered	1999	Discipline	Civil Engineering	

Contract Role(s)/Brief Description of Responsibilities | Alternative Delivery | Project Management | Quality Control and Peer Reviews

Shane has more than 30 years of experience in the transportation industry, including five years with Horrocks. He joined Horrocks after working with the Utah Department of Transportation (UDOT) for more than 25 years. As UDOT Deputy Director and Region 3 Director, he was involved in transit and railway projects across the state. As the UDOT Region 3 Director, Shane managed six counties in central Utah and oversaw the operations of the State's transportation system in those areas, which included transit planning. Shane has excellent leadership skills, a thorough understanding of UDOT and other DOT policies and procedures, understands how to form solid relationships with local government leaders, and has collaborated with large teams on multiple efforts. He utilizes his communication skills and knowledge of transportation and transit needs as well as his in-depth understanding of State DOTs and the Federal Highway Administration (FHWA) to foster effective relationships with state transportation clients which is one of the most significant market segments for the firm.

Experience Dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
07/19 - Ongoing	Louisiana Department of Transportation and Development, East Baton County, LA (H.004100) Project Manager. The scope of work for this project includes providing facilitated partnering with the LADOTD, the design consultant, the contractor, and the ICE. Partnering facilitation includes interviews, an initial workshop, and quarterly follow-up meetings. The scope also includes ongoing strategic advisory services on the execution of the Construction Manager At-Risk (CMAR) process. As the project manager, Shane is helping to identify and interview key project stakeholders to understand their understanding, commitment, and thoughts on partnering. He is also developing material for, attending, and facilitating the initial partnering workshop. Throughout the project, he is providing strategic advisory services to LADOTD.
06/19 - 11/25	I-80 and I-215 Renewed - Alternative Delivery, Salt Lake County, UT Project Manager. The project includes three bridge replacements and other structure rehabilitations; modifications/reconfiguration to existing IC ramps; maintaining trail system access; and ROW, utility, ITS, and hydraulic design. Horrocks completed the categorical exclusion, PI through all phases, and worked with UDOT to develop the RLOI, RFQ, and RFP to procure a DB contractor. Derek is the Structures Lead and Deputy Project Manager. The structural role includes design and construction oversight of two bridge slides (1300 East & 1700 East), bridge widening (2300 East), phased 2000 East structure, two temporary bridges, and a number of construction-related repairs/fixes. Shane is serving as Project Manager on this DB project to replace six miles of pavement on I-80 and I-215.

06/21 - 5/2025	I-15; EIS from Farmington to Salt Lake City, Davis and Salt Lake Counties, UT Project Manager. Horrocks is leading the preparation of a NEPA EIS to identify solutions to improve mobility along I-15 generally between 600 North in Salt Lake City and US-89 in Farmington. The EIS team will evaluate the project area for future construction of a project that involves repairing aging infrastructure, redesigning interchanges to accommodate traffic, and providing comfortable and connected facilities for active transportation users particularly around east-west connectivity. Horrocks is the prime consultant on the EIS and a subconsultant for the Public Involvement contract. The study includes data collection, travel time runs, travel demand modeling, traffic safety, corridor planning, alternatives analysis for multimodal facilities, and public outreach. The goals for the EIS include conducting a holistic, transparent, and technically sound process used to evaluate the long-term mobility needs of diverse communities; proactively engage stakeholders through equitable practices; consider the broad range of perspectives and potential solutions; and enhance quality of life through transportation. Shane is the Project Manager providing overall project management and coordination.
08/19 - 03/22	Central Corridor Transit Study, Utah County, UT Project Manager. Horrocks lead the Central Corridor Transit Study project for UDOT and UTA for a study area within Utah County, bounded by Geneva Road, I-15, and the US-89 corridors. Gathering traffic and ridership data provided by the participating agencies, Horrocks distilled the complex information into a customized GIS database. Using this data, Horrocks provided a defensible alternatives analysis document with a sound locally preferred alternative from a field of transit alternatives developed during the study. These potential alternatives were developed in cooperation with 11 partnering agencies during the course of five workshop sessions and a three-step public involvement process. In addition to the workshops, a technical committee consisting of the core leadership team of Horrocks, UDOT, UTA, and representatives from the 11 partnering agencies met as needed to ensure that the process is steered by the local governments. The entire project was delivered within an aggressive 12 month schedule. As the Project Manager, Shane was largely responsible for key stakeholder engagement and successfully worked with the broad project team of UDOT, UTA, MAG and seven surrounding communities to obtain their buy-in and approval on a Locally Preferred Alternative. Shane coordinated with 11 agencies, including UTA, to develop and evaluated transit alternatives on a limited number of north-south corridors within Utah County study area. Shane worked with the project partners to determine community goals and opportunities for transit, define the problem, engage stakeholders and the public, and conduct a financial analysis.
10/20 - 11/21	South Utah County Transit Study Analysis, Utah County, UT Project Manager. Horrocks worked with the Utah Transit Authority (UTA) to engage the public in a planning process to identify a Locally Preferred Alternative (LPA) for transit alignment. Horrocks developed materials to educate the public on transit modes, evaluation criteria, potential alignments and stop locations. The team communicated this information through FAQ sheets, technical summaries, informational handouts, and presentations containing illustrations, photographs, diagrams, charts and graphs to make the information easily accessible and understood by the public. For example, Horrocks was tasked with taking the performance analysis of different transit modes in the area and developing graphics and content that easily compared them to one another. This helped key stakeholders and the public make well-informed comments that helped advance the planning process. As the project manager Shane facilitated communication between UTA, UDOT, and the five cities along the corridor and helped to develop transit alternatives that expand transit service into southern Utah County from Provo to Santaquin.

16. STAFF EXPERIENCE:



Firm Employed By:  **Horrocks.**

Name	Kris Peterson, PE	Years of Relevant Experience with this Employer	4
Title	Regional Business Development Lead	Years of Relevant Experience with Other(s) Employers	26
Degree(s)/Years/Specialization	MS / 1996 / Civil Engineering; BS / 1995 / Civil Engineering		
Active Registration Number/State/Expiration Date	PE#274530-2202 / UT / 3.31.2027; PE#147586 / TX / 12.31.2026		
Year Registered	1999	Discipline	Civil Engineering

Contract Role(s)/Brief Description of Responsibilities | Alternative Delivery | Federal Projects | Project Management | Construction Management

Kris has more than 30 years of proven leadership in the transportation industry. He joined Horrocks after serving with UDOT during his entire career (26 years with UDOT, 11 years on the Senior Leadership Team). While at UDOT he served in several senior leadership roles, including Director of Construction and Materials, Region Director, and Project Development Director. During Kris' tenure in UDOT Leadership positions, he was heavily involved in drafting and updating contracts, rules, policies, and guidelines for the Department of Transportation. He also served as a member of the UDOT Standards Committee for over 10 years (three years as chair) and led the committee through the recent transition to yearly updated electronic standards. As Project Development Director, Kris also served as the selection official for all innovative contracting projects as well as the claims review board chair tasked with resolving formal contractual claims from contractors. At Horrocks, Kris has led or been a key participant in several important transportation projects, including US-89/91 Logan Main Street Study, I-84/ US-89 Interchange Environmental, and I-15 Statewide Study among others.

Experience Dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
11/22 - 11/25	Mountain View Corridor; Old Bingham Highway to Porter Rockwell, Bluffdale, UT Project Manager. The Horrocks team is designing a new alignment for the existing for SR-85, also known as Mountain View Corridor (MVC) for UDOT. The middle segment will be grade-separated between the Porter Rockwell interchange and the Old Bingham Highway. Four total traffic lanes (two southbound lanes and two northbound lanes) and bridges carrying intersecting cross streets over MVC will be constructed, totaling approximately 22 bridges at 16 locations. The existing highway will be converted into frontage roads with new standard slip-ramps. Not only does this major project entail the management of multiple subconsultant firms to achieve the deadline, but UDOT is using this project as a mentoring and training platform for their junior staff, several of whom will co-locate with the Horrocks team. Kris is responsible for monitoring and directing the performance of design staff, coordinating with the client design team, final decision making on key design issues, ensuring the design met all applicable standards, assembling the plan set, specifications, engineer's estimate, and preparing the final bid documents.
10/22 - 8/25	US-89/91; Logan Main Street Study, Logan, UT Project Manager. The Logan Main Street Corridor Study is an Operational Analysis to identify solution sets that will improve mobility and reduce congestion along a 37-block corridor in Logan. For this study, Horrocks is the Prime firm and is providing planning, roadway, and utility services; microsimulation traffic modeling; solution screening; environmental recommendations; and Right-of-Way (ROW) concept estimates and reports. Kris is responsible for monitoring and directing the performance of design staff, coordinating with the client design team, final decision making on key design issues, and ensuring the preliminary design met all applicable standards.

12/21 - 1/25	I-84/US-89; Interchange Environmental, South Weber, UT Project Manager. Phase I of an environmental study to evaluate the current and future needs of the I-84/US- 89 area at the mouth of Weber Canyon to help determine an appropriate Class of Action. The first phase is focused on updating previously completed traffic analyses and to host a brainstorming workshop in an effort vet design solutions from the Concept Report, to possibly consider other potential solutions that haven't been evaluated, and to identify major constraints that could impede implementation of possible solutions. Kris is responsible for monitoring and directing the performance of design staff, coordinating with the client design team, final decision making on key design issues, and vetting preliminary design options to ensure they met all applicable standards.
05/20 - 1/25	I-15; Statewide Study, Statewide, UT Senior Transit/Transportation Planner. Statewide study of I-15 to develop a data-driven tool identifying needs, conflicts, and competing priorities on I-15. Analysis involved detailed examination of all statewide models to pinpoint gaps in projects, provide projections of future needs, resolve conflicting future lanes data, identify frontage road gaps, and assess footprint for ultimate buildout. The study team conducted facilitated discussions of priorities with all four UDOT regions and multiple divisions at Central and UDOT leadership. Kris is responsible for monitoring and directing the performance of design staff, coordinating with the client design team, final decision making on key design issues, and vetting preliminary design options to ensure they met all applicable standards.
10/21 - Ongoing	I-15; Spanish Fork/Springville Interchange Design, Utah County, UT Project Manager. UDOT Region 3 selected the combined team of Horrocks, Kimley-Horn, Lochner, RB&G Engineering, and RDV to provide design services for the Springville/Spanish Fork Interchange on I-15 in Utah County, Utah. UDOT approved the EA completed by Horrocks to evaluate a new interchange on I-15 in order to alleviate congestion at adjacent interchanges, improve safety and mobility, provide access to a newly completed Intermountain Healthcare (IHC) hospital, and develop active transportation facilities along the 1600 South/2700 North corridor. The project was designed by utilizing a digital delivery plan set, which will be advertised and built by a contractor without any plan sheets. This innovative approach will help UDOT achieve its goal of becoming paperless in the future. Horrocks is the prime firm and has provided project management, roadway design, structures design, utility design and subsurface utilities engineering (SUE) coordination, ROW design and documents, and public involvement. Kris is responsible for monitoring and directing the performance of design staff, coordinating with the client design team, final decision making on key design issues, ensuring the design met all applicable standards, assembling the plan set, specifications, engineer's estimate, and preparing the final bid documents.
10/22 - 10/24	Snow Basin Slide Repair, Snowbasin, UT Project Manager. This project includes developing and bidding a plan set to repair and protect SR-226 at MP 1.2 due to an active landslide occurring above SR-226. Initiated approximately 500 feet above the road, the slide has lifted and overtopped the travel lanes. The project team is designing the roadway repairs and stabilizing the slide. Services include roadway, signing, striping, survey, and SUE. UDOT is completing the environmental with support from Horrocks. Kris is responsible for monitoring and directing the performance of design staff, coordinating with the client design team, final decision making on key design issues, ensuring the design met all applicable standards, assembling the plan set, specifications, engineer's estimate, and preparing the final bid documents.

16. STAFF EXPERIENCE:



Firm Employed By:  **Horrocks.**

Name	Joe Serre, PE		Years of Relevant Experience with this Employer	4
Title	Constructability Specialist		Years of Relevant Experience with Other(s) Employers	17
Degree(s)/Years/Specialization		BS / 2003 / Civil and Environmental Engineering		
Active Registration Number/State/Expiration Date		PE#7531239-2202 / UT / 3.31.2027		
Year Registered	2009	Discipline	Civil Engineering	

Contract Role(s)/Brief Description of Responsibilities | Alternative Delivery | Value Engineering | Project Management | Pre-construction Estimating

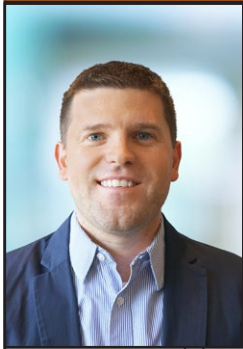
Joe is a licensed professional engineer with over 20 years of construction management, constructability reviews, and cost estimating experience. He has served as the contractor project manager on many UDOT projects and understands what it takes to construct a project. Prior to joining Horrocks, Joe spent 13 years at Geneva Rock as an Estimator and Project Manager. During his final four years at Geneva, he was an Area Manager responsible for work in Wasatch and Summit Counties. Joe will apply his extensive, hands-on experience reviewing project constructability, including the project limitations specification, and providing vital feedback to teams to minimize potential change orders during construction. He also has extensive experience reviewing project cost estimates throughout the project's life to ensure the team stays within the budget.

Experience Dates (mm/yy-mm/yy) | Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).

10/21 - Ongoing	I-15; Spanish Fork/Springville Interchange Design, Utah County, UT Constructability Specialist. UDOT Region 3 selected the combined team of Horrocks, Kimley-Horn, Lochner, RB&G Engineering, and RDV to provide design services for the Springville/Spanish Fork Interchange on I-15 in Utah County, Utah. UDOT approved the EA completed by Horrocks to evaluate a new interchange on I-15 in order to alleviate congestion at adjacent interchanges, improve safety and mobility, provide access to a newly completed Intermountain Healthcare (IHC) hospital, and develop active transportation facilities along the 1600 South/2700 North corridor. The project was designed by utilizing a digital delivery plan set, which will be advertised and built by a contractor without any plan sheets. This innovative approach will help UDOT achieve its goal of becoming paperless in the future. Horrocks is the prime firm and has provided project management, roadway design, structures design, utility design and subsurface utilities engineering (SUE) coordination, ROW design and documents, and public involvement. As the constructability specialist, Joe prepared documentation, including plans, specifications, construction cost estimates, and constructability. He also provided cost estimation and constructability options. Joe also reviewed any change orders for compliance.
01/19 - Ongoing	Midway City General Engineering On-Call, Midway, UT Constructability Specialist. Provide general engineering including project design and construction management. Services include: Address general engineering questions from the public, sewer line design and construction management, capital facility updates, development plan review, and construction inspection. As the constructability specialist, Joe prepared documentation, including plans, specifications, construction cost estimates, and constructability. He also provided cost estimation and constructability options. Joe also reviewed any change orders for compliance.
01/19 - Ongoing	Heber City General Engineering On-Call, Heber, UT Constructability Specialist. General Municipal Engineering for Heber City, including water, wastewater, irrigation water, storm water, transportation, site work, construction management, asphalt pavement, development plan review. As the constructability specialist, Joe prepared documentation, including plans, specifications, construction cost estimates, and constructability. He also provided cost estimation and constructability options. Joe also reviewed any change orders for compliance.

01/19 - Ongoing	West Davis Highway Program Management - Alternative Delivery, Davis County, UT Constructability Specialist. The West Davis Highway is a new 16-mile, four-lane divided highway project currently under construction in western Davis County. The first phase of construction connected I-15 and Legacy Parkway at approximately Glovers Lane in Farmington, extending west and north, terminating at 4500 West and the future extension of SR-193 in West Point. In future phasing, the highway is planned to extend to 1800 North in West Point. Horrocks is providing Program Management and Design support services to UDOT Region One as a subconsultant to HDR (Prime Consultant), the project is being completed via Design-Build delivery. Freeway-style interchanges with on- and off-ramps will be built at Legacy/I-15 (Farmington), 950 North (Farmington), 200 North (Kaysville), 2700 West (Layton), 2000 West (Syracuse), and Antelope Drive (Syracuse). West Davis also includes over 10 miles of new trail and new trail connections to create a consolidated system connecting Emigration Trail to Legacy Parkway Trail. As the constructability specialist, Joe prepared documentation, including plans, specifications, construction cost estimates, and constructability. He also provided cost estimation and constructability options. Joe also reviewed any change orders for compliance.
01/20 - 04/22	SR-172; 5600 West Railroad Crossing, Salt Lake City, UT Constructability Specialist. This project includes the widening of 5600 W. in both directions, adding traffic signals at various intersections, upgrading the I-80 intersection to a diverging diamond interchange (DDI), and constructing a new bridge over the existing UPRR rail line. As the constructability specialist, Joe prepared documentation, including plans, specifications, construction cost estimates, and constructability. He also provided cost estimation and constructability options. Joe also reviewed any change orders for compliance.
04/21 - 01/22	Bangerter Highway Corridor - Environmental Assessment, Salt Lake County, UT Constructability Specialist. The Bangerter Highway Environmental Study evaluated the conversion of the 12 remaining at-grade, signalized intersections to grade-separated interchanges, which will make Bangerter Highway a free-flowing expressway for its entire length. In addition to the interchanges, other project challenges have included coordination/relocation of a large diameter aqueduct, construction of multiple pedestrian bridges, and city/community outreach. Horrocks is the prime consultant, with HDR, Avenue Consultants, Bowen Collins and Associates, and RB&G as subconsultants. As the constructability specialist, Joe prepared documentation, including plans, specifications, construction cost estimates, and constructability. He also provided cost estimation and constructability options. Joe also reviewed any change orders for compliance.
11/21 - 04/22	I-15; 1800 North Interchange Design, Davis County, UT Constructability Specialist. The Utah Department of Transportation (UDOT) Region 1 has selected the Horrocks and David Evans and Associates (DEA) team to provide environmental re-evaluation and design services for a new interchange on I-15 at 1800 North (SR-37) in Sunset. This interchange will connect 1800 North with Hill Air Force Base east of the I-15 corridor. Horrocks completed the original Environmental Impact Statement (EIS) of this interchange in 2015, which helped in pre-positioning our team for this strategic win. Horrocks is a sub to DEA and will lead the environmental and structures design for this project while also providing Military Installation Development Authority (MIDA) and Hill Air Force Base coordination, active transportation design, constructability and cost estimates, and Subsurface Utility Engineering (SUE) services. As the constructability specialist, Joe prepared documentation, including plans, specifications, construction cost estimates, and constructability. He also provided cost estimation and constructability options. Joe also reviewed any change orders for compliance.

16. STAFF EXPERIENCE:



Firm Employed By:  **Horrocks.**

Name	Joe Sonnen, PE		Years of Relevant Experience with this Employer	6
Title	Program Management Practice Lead		Years of Relevant Experience with Other(s) Employers	8
Degree(s)/Years/Specialization		MS / 2012 / Civil Engineering BS / 2010 / Civil Engineering		
Active Registration Number/State/Expiration Date		PE#16523 / ID / 12.31.2026; PE#88614 / MT / 6.30.2026; PE#27547 / NM / 12.31.2026; PE#10098735-2202 / UT / 3.31.2027; PE#52691 / WA / 12.25.2027		
Year Registered	2015	Discipline	Civil Engineering	
Brief Description of Responsibilities		Alternative Delivery Program Management Construction Support		

Joe has 14 years of experience in transportation engineering and has devoted his career to alternative delivery program management for heavy highway projects. He has helped various state DOTs preparing RFPs for DB highway contracts, including leading the development of design and construction requirements, procurement documents, and preliminary engineering concepts. Joe has led program management contracts for roadway reconstruction and widening projects, site and land development, and multi-use trails. Joe's comprehensive program management experience using various funding sources in multiple states and with complex project scopes will make him a valuable asset to MDT projects.

Experience Dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
11/20 - Ongoing SECTION 17 PROJECT	I-25 Comanche and Montgomery Interchange Design-Build Program Management, Albuquerque, NM Deputy Project Manager/Contract Specialist/Document Control. Joe served as the Deputy Project Manager and procurement lead for the DB Program Management for the Comanche and Montgomery IC project. Located along a busy section of I-25 in Albuquerque, the project involves the development of the DB procurement package, performance specifications, preliminary engineering design services, procurement of the DB team, and construction management of the final project.			
04/21 - Ongoing	I-25 and Gibson Boulevard Interchange Improvement Design-Build Program Management, Albuquerque, NM Deputy Project Manager/Contract Specialist/Document Control. Joe is serving as Deputy Project Manager and procurement lead for the DB Program Management for the Gibson Blvd Interchange project. The project involves the development of the DB procurement package, performance specifications, preliminary engineering design services, procurement of the DB team, and construction management of the final project.			
11/20 - 5/24	Porter Rockwell Bridge Design-Build Program Management, Bluffdale, UT Procurement Manager/Contract Specialist/Document Control. Joe served as the Procurement Manager for this DB project that constructed a bridge across the Jordan River, UPRR rail, UTA rail, and various canals. The bridge connects the roadway segments of Porter Rockwell Boulevard on either side of the Jordan River in Bluffdale, Utah. As the DB Program Manager, the Horrocks team provided project management assistance, quality oversight, design review support, construction field support, materials testing and inspection, baseline schedule and monthly update reviews and analysis, and project controls documentation support among other tasks.			
11/20 - 04/24	I-80 and I-215 Renewed Design-Build Program Management, Salt Lake County, UT Program Management Practice Lead and Contract Specialist. Joe served as the Program Management Practice Lead and Contract Specialist for this project that includes three bridge replacements and other structure rehabilitations; modifications/reconfiguration to existing IC ramps; maintaining trail system access; and ROW, utility, ITS, and hydraulic design. Horrocks completed the CE, PI through all phases, and worked with UDOT to develop the Request for Letters of Interest (RLOI), RFQ, and RFP to procure a DB contractor.			

09/21 -03/24	Bangerter Highway 7400 South and 9000 South Intersections to Interchanges, Salt Lake County, UT Program Management. Joe provided program management for multiple Bangerter Interchange projects that included converting two signalized intersections at 4700 South and 9800 South in Salt Lake County to grade separated interchanges. Our team has also recently completed the Program Manager role for the Bangerter 3 and 4 Interchanges project. Horrocks is the prime and will provide project management, complete 30% of the design, develop the RFP, coordinate the utility and SUE designs, conduct public involvement efforts, oversee ROW design and document development, conduct ROW acquisition, coordinate staff augmentation for construction management, and provide Construction Information Management System (CIMS) tools and services during construction.
2015 - 2017	* Bangerter Highway and 600 West Interchange Design-Build Program Management, Salt Lake County, UT RFP Documents; Project Controls Specialist. The project included a new interchange in a rapidly developing area to keep up with the increasing traffic demands. The project team prepared the concept and RFP documents in less than 3 months to meet the fast-spaced schedule, nearly half the time of other DB projects. With difficult stakeholders, including the City approving construction of a building encroaching into a proposed on ramp, the project team remained flexible in the procurement approach and continued to analyze potential risk and risk mitigations throughout the project.
2016 - 2019	* Districts 4, 5, & 6; 17 Bridge Replacements Design-Build Program Management, ID Procurement Manager/Design Review Lead/Risk Management/Contract Specialist/Document Control. Joe provided program management of 17 bridge replacements throughout ITD's districts 4, 5, and 6. Horrocks guided ITD through the procurement process as this was the first DB project for all three districts.
2013 - 2016	* Greensferry Overpass Design-Build Program Management 2013-2016 Procurement Manager; Design Review Lead. Although the Post Falls Urban Renewal Agency was funding and building the new overpass over I-90, the City of Post Falls would own the roadway and ITD would own the bridge when the project was complete. Joe guided the procurement process and worked with the renewal agency to complete a bridge that the City and ITD could ultimately accept and meet their standards. As the new overpass was being constructed within an urbanized area, multiple business and residential acquisitions/relocations were required. Through incentivizing a reduced project footprint and working with the contractor on construction phasing, the project was completed on schedule and within budget.

16. STAFF EXPERIENCE:

	Firm Employed By: 			
	Name		Nigel Atkinson	
	Title		Traffic Engineer	
	Degree(s)/Years/Specialization		BS/2018/Electrical Engineering MS/Exp. 2024/Business Administration	
	Active Registration Number/State/Expiration Date		N/A	
	Year Registered	N/A	Discipline	Civil Engineering
Contract Role(s)/Brief Description of Responsibilities				Electrical Vehicle Charging
For these contracts, Nigel will focus on implementing infrastructure to support the growing adoption of electric vehicles. Nigel will plan, design, and deploy charging stations along transportation routes and in public spaces to provide convenient access for EV owners. Nigel's responsibilities include assisting with technical troubleshooting and Traffic System Management and Operations (TSM&O) project efforts. He also evaluates intelligent transportation systems (ITS), connected automated vehicles (CAV), and smart city plans. Most of his experience includes autonomous vehicle research and development as well as emerging technology.				
Experience Dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
01/21 - Ongoing	I-75 (SR 93) from Collier County Line to Gator Crossing Canal Bridge, FDOT District One, Lee County, FL ITS Engineer for the milling and resurfacing of this 13.8-mile, 6-lane facility extending from Collier County Line to Gator Crossing Canal Bridge on I-75 (SR 93). The work includes milling and resurfacing the emergency median crossovers, existing frontage roads, ramps, shoulders, northbound and southbound lanes of I-75. It also includes bringing the existing Traffic Monitoring Systems into compliance as well as guardrail relocation/replacement and shoulder gutter replacement. Overall project includes bridge inspection, load rating, traffic related structures design, 3D Laser scanning, subsurface utility engineering, topographic, wetland delineation, resurfacing, restoration and rehabilitation, ATMS, intelligent transportation systems, lighting, maintenance of traffic, pavement design, signing and pavement marking, public involvement, utility coordination and a 3D model completed in OpenRoads Designer (ORD).			
01/21 - Ongoing	I-75 (SR 93) from Toll Booth to Collier Boulevard, FDOT District One, Collier County, FL ITS Engineer for the milling and resurfacing of this 1.6-mile, 4-lane facility, extending from Toll Booth to Collier Boulevard on I-75 (SR 93). The work includes milling and resurfacing the northbound and southbound lanes and shoulders of I-75 and widening the inside median shoulders. Overall project includes bridge inspection, load rating, traffic related structures design, 3D Laser scanning, subsurface utility engineering, topographic, wetland delineation, resurfacing, restoration and rehabilitation, ATMS, intelligent transportation systems, maintenance of traffic, pavement design, signing and pavement marking, public involvement, utility coordination and a 3D model completed in OpenRoads Designer (ORD).			
08/20 - Ongoing	SR 408/Tampa Avenue Interchange (Contract#408-315), TLP Engineering for Central Florida Expressway Authority, Orange County, FL ITS Engineer for the SR 408/Tampa Avenue interchange modification and widening of eastbound SR 408 from John Young Parkway to Orange Blossom Trail to 4-lanes. DRMP was responsible for the design of a new westbound ramp bridge over Rio Grande Avenue using Florida-U Beams, the widening of eastbound SR 408 over Rio Grande Avenue using Florida-I Beams, and the associated walls. The intelligent transportation system (ITS) design and plans consisted of a new gigabit fiber network with supporting ITS devices. All Electronic Toll ramp toll site design was completed along SR 408 for two interchange ramps (westbound off-ramp to Tampa Avenue and eastbound on-ramp from Tampa Avenue. Surveying services included design survey, right-of-way mapping and subsurface utility engineering. The design survey was performed using a combination of Mobile LiDAR, GPS, and conventional survey methods.			



Sections 17

LA1 Improvements: Fourchon - Golden Meadow

Lafourche Parish

Waggoner Engineering, Inc.
Lead Design Firm

Past Performance Disciplines performed by Waggoner:
Road, Bridge, Traffic, CE&I/OV, Survey, Environmental, Right-of-Way, ITS,
Other (Project Management), Other (Roadway Lighting), Other (SUE)

17. FIRM EXPERIENCE:

Firm	Project Name	Project Relevance																Past Performance Disciplines															
		Alternative Delivery	Project Management & Support	Quality Control & Peer Reviews	Environmental/Permitting	Traffic Engineering & Design Services	Surveying Services	SUE & Utility Relocation	Geotechnical Engineering	Roadway & Hydraulics	Bridge Design	Plan Dev. & Letting Support	Construction Support	Tolling	ITS Design & Support	Roadway & Aesthetic Lighting	Public Relations	Graphic Design/Professional Presentation	Road	Bridge	Traffic	CE&I/OV	Geotech	Survey	Environmental	Right-of-Way	ITS	Other (Alternative Delivery)	Other (Project Management)	Other (Public Relations & Graphic Design)	Other (Professional Presentation)	Other (Roadway Lighting)	Other (SUE)
Waggoner	I-10: E. Jct I-49 to Atch. Floodway Bridge		•	•	•	•	•	•		•		•	•						•		•			•	•	•			•			•	
	I-49 South: Ambassador Caffery & US 90 Interchange		•	•		•				•	•	•	•						•	•	•					•			•				
	Rural Bridge Replacement Initiative Phase II		•	•	•	•	•	•		•	•	•							•	•	•		•	•	•				•				
	IDIQ Contract for Critical Projects		•	•				•		•	•	•	•						•	•				•		•					•	•	
	I-10: LA 415 to Essen Lane on I-10 and I-12 CMAR	•	•	•	•			•		•	•	•	•						•		•				•	•		•	•			•	
DRMP	Wekiva Parkway Section 8 Interchange Design Build	•	•	•	•	•	•	•		•	•	•	•	•	•	•			•	•	•		•	•	•				•			•	
	SR 91 (Florida's Turnpike Mainline) Widening from SR 50 Interchange to Minneola Interchange		•	•	•	•	•	•		•	•	•	•	•	•	•			•	•	•		•	•	•				•			•	
	SR 589 (Suncoast Parkway 2) from US 98 to South of W. Grover Cleveland Blvd.		•	•	•	•	•	•		•	•	•	•	•	•	•			•	•	•		•	•	•						•	•	
Horrocks	US-89 Farmington to I-84 Progressive Design Build	•	•	•	•	•	•	•		•	•	•	•		•	•			•	•	•		•	•	•		•		•			•	•
	Reno Spaghetti Bowl Xpress (SBX) Design Build	•	•	•	•	•	•	•		•	•	•	•		•	•			•	•	•		•	•	•		•		•			•	•
	I-25 Comanche and Montgomery Interchanges Design-Build Program Management	•	•	•	•	•	•	•		•	•	•	•		•	•			•	•	•		•	•	•		•		•			•	•
Alta	Bayou Sauvage National Wildlife Refuge Access		•		•												•	•	•										•	•			
Forte and Tablada	LA 47 Over Bayou Bienvenue						•	•															•										
	I-10/Loyola Interchange Improvements						•	•															•										
Lazenby	I-20 Widening/Overlay (Vancil Rd to LA 34)						•	•															•										
	Kansas Lane - Garrett Road Connector and I-20 Improvements						•	•												•			•										
Ardaman	I-10: LA 415 to Essen Lane on I-10 and I-12 CMAR	•							•														•				•						
	I-20 Mississippi River Bridge Review		•						•														•					•					
Vectura	I-12 to Bush - LA 3241 (I-12 - LA 36) Corridor Study							•												•													
Emerg. Method	DOTD Highway Priority Program															•	•												•	•			

17. FIRM EXPERIENCE:

Firm Name			
Project Name	I-10: East Junction I-49 to Atchafalaya Floodway Bridge	Past Performance Evaluation Category(ies)*	Road, Traffic, Survey, Environmental, Right-of-Way, Other (Project Management), Other (SUE)
		Firm Responsibility	Prime
Project Number	H.003003, H.010106, H.003014	Owner's Name	LADOTD
Project Location	Lafayette & St. Martin Parishes	Owners Project Manager	Nick Olivier, PE
Owners Address, Phone, Email	1201 Capitol Access Road, Baton Rouge, LA 70802 225.379.1133 nicholas.olivier@la.gov		
Services Commenced by this Firm (mm/yy)	6/13	Total Consultant Contract Cost (\$1,000's)	\$3,174.7
Services Completed by this Firm (mm/yy)	7/22	Cost of Consultant Services Provided by this Firm (\$1,000's)	\$2,846.7

Project Description:

Waggoner was the prime consultant for surveying and engineering services to replace and widen 15 miles of I-10 near Lafayette, LA. These projects were designed under 3 task orders in an IDIQ Roadway Design contract, 2 of which were designed concurrently under an accelerated delivery schedule. Waggoner was responsible for coordinating the multi-discipline project and preparing the final plan package. This included subconsultants and DOTD in-house staff responsible for bridge design, permanent signing, weigh-in-motion, roadway lighting, and SUE designations.

Project management responsibilities included scheduling, attending, and documenting all project design and review meetings, evaluating value engineering recommendations, developing a PMP for each segment, preparing a Financial Plan for Segment 1, and supporting DOTD for FASTLANE grant applications. Falcon questions were also addressed during letting.

The project includes adding one lane in each direction to the inside of I-10, a median barrier, bridge widening (designed by DOTD), WIM system relocations, and complex traffic management/sequencing to maintain two lanes of traffic throughout construction, interchange improvements at LA328 (Breaux Bridge) and LA 347 (Henderson). The Henderson interchange was modified to incorporate roundabouts at the EB and WB ramp termini.

W The road and traffic design components include typical sections for both asphalt and concrete alternatives, horizontal and vertical geometrics with existing bridge structures constraining the design parameters, geometric details, and a detailed analysis of the sequence of construction that will maintain two lanes of traffic in each direction. Detailed hydraulic analysis of cross drains and a

major outfall channel adjacent to LA 352 including HEC-RAS modeling was conducted to alleviate flooding problems at the Henderson interchange. A Level 4 TMP was also developed by Waggoner for each Segment.

Waggoner performed the topographic survey which included establishing GPS control for the entire 15-mile corridor, topography of the existing roadways, bridges, a depressed median, drainage structures and outfalls, interchanges, roadways along Melvin Dupuis, LA 347, LA 352, and utility crossings. DOTD survey and linework codes were used in the field. Inroads Survey, CADconform, and DOTD codes were used to prepare the topographic map and required location and survey deliverables. Waggoner coordinated with DOTD's right-of-way consultant for required right-of-way and COA modifications at Melvin Dupuis.

SUE Services included QLD mapping and QLC surveys, utility conflict matrices for each segment, assisting DOTD with utility coordination, and as-builts of relocated utilities prior to construction.

Waggoner also prepared permit sketches, public meeting exhibits, and attended public meetings for CE environmental clearance.

Waggoner provided construction support for all 3 segments. This included responding to RFIs, construction drawing reviews, reviewing contractor proposals, plan changes, and attending partnering meetings.

Project Relevance:

- ✓ Project Management & Support
- ✓ Quality Control & Peer Reviews
- ✓ Environmental/Permitting
- ✓ Traffic Engineering & Design
- ✓ Surveying Services
- ✓ SUE & Utility Relocation
- ✓ Roadway & Hydraulics
- ✓ Plan Development & Letting Support
- ✓ Construction Support

Team Members Involved:

Robert Lear, Miles Williams, Alex Farr, Bryan Harmon, Joshua Renard, Andrew Windmann

17. FIRM EXPERIENCE:

Firm Name				
Project Name	I-49 South: Ambassador Caffery & US 190 Interchange	Past Performance Evaluation Category(ies)*		Road, Bridge, Traffic, Other (Project Management)
		Firm Responsibility	Subcontractor	
Project Number	H.002868	Owner's Name	LADOTD	
Project Location	Lafayette Parish	Owners Project Manager	Ryan Morvant, PE	
Owners Address, Phone, Email		1201 Capitol Access Road, Baton Rouge, LA 70802 225.379.1067 ryan.morvant@la.gov		
Services Commenced by this Firm (mm/yy)	1/13	Total Consultant Contract Cost (\$1,000's)		Unknown
Services Completed by this Firm (mm/yy)	Ongoing	Cost of Consultant Services Provided by this Firm (\$1,000's)		\$1,294.8

Project Description:

The I-49 Ambassador Caffery project upgrades an existing at-grade intersection on US 90 with a grade separated X-Pattern interchange on Future I-49. It includes two-lane one-way frontage roads, U-turns, MSE Walls, subsurface and open drainage systems, and signalized ramp intersections. The project also was designed to accommodate future flyover directional ramps to Ambassador Caffery Pkwy and continuation of the interstate and frontage roads southward.

Waggoner is a major sub for this project and was responsible for all roadway geometrics for the interstate, frontage roads, urban arterials, ramp connections, intersections, and transitions to existing roadways. Waggoner also prepared all existing and design drainage calculations and drainage plan profiles. All bridge design for the I-49 bridges over Ambassador Caffery were designed by Waggoner. We coordinated with Huval & Associates who designed the bridges over the BNSF Railroad at the north end of the project. Additional design responsibilities included traffic signal design, utility conflict matrix development, and construction support.

Waggoner has recently completed construction support, including shop drawing reviews, RFI's, change orders, and on-call services as needed.



Project Relevance:

- ✓ Project Management & Support
- ✓ Quality Control & Peer Reviews
- ✓ Traffic Engineering & Design
- ✓ Roadway & Hydraulics
- ✓ Bridge Design
- ✓ Plan Development & Letting Support
- ✓ Construction Support



Team Members Involved:

Robert Lear, Miles Williams, Alex Farr, Bryan Harmon, Joshua Renard, Kelsie Bankston, Andrew Windmann

17. FIRM EXPERIENCE:

Firm Name				
Project Name	Rural Bridge Replacement Initiative Phase II	Past Performance Evaluation Category(ies)*		Road, Bridge, Geotech, Survey, Environmental, Right-of-Way, Other (Project Management)
		Firm Responsibility	Prime	
Project Number	4400029912	Owner's Name	LADOTD	
Project Location	Districts 02, 03, 07, 61, and 62, LA	Owners Project Manager	Valerie Tourres	
Owners Address, Phone, Email		1201 Capitol Access Road, Baton Rouge, LA 70802 225.379.1308 valerie.tourres@la.gov		
Services Commenced by this Firm (mm/yy)	10/20	Total Consultant Contract Cost (\$1,000's)		\$8,137
Services Completed by this Firm (mm/yy)	Ongoing	Cost of Consultant Services Provided by this Firm (\$1,000's)		\$8,137

Project Description:

Waggoner was contracted by LADOTD to provide all necessary engineering and related services required for developing plans for the replacement of 29 bridges on the Louisiana State Highway System in Districts 02, 03, 07, 61, and 62.

Waggoner performed the investigation and analysis necessary to create the preliminary and final plans for various types and configurations of roadways and bridges. The 29 bridges were grouped into 16 projects where Waggoner used topographic survey provided by a subconsultant to establish horizontal and vertical geometry in accordance with applicable design guidelines. From this geometry, limits of construction and required right-of-way takings were established for the purpose of capturing requisite environmental areas of interest needed for NEPA approval and various agency permits.

All drainage design, grading, and structural design was performed by Waggoner. Structural design included such components as reinforced concrete decks, slab spans, and bent caps, as well as precast prestressed concrete girders and piles. Overall site conditions, hydraulic design needs, and constructability was considered when choosing the bridge replacement types and sizes.

Frequent communication was maintained between the Project Manager and the client to provide updates on the numerous submittals and extensive collaboration involved in managing 16 projects concurrently.

PRELIMINARY & FINAL PLANS

- **Road & Drainage Design**
 - Prepare Design Reports, Design Waivers, and Exceptions
 - Establish horizontal and vertical geometry
 - Calculate hydraulic impact of bridge replacement
 - Guardrail & embankment widening design
 - Typical Sections
 - Plan Profiles & Geometric Details
 - Suggested Sequence of Construction
 - Cross Sections
 - Quantities and Opinion of Probable Construction Costs
- **Bridge Design**
 - Reinforced concrete design (Slab spans, bridge decks, bents)
 - Precast concrete design (girders, piles)
 - Reinforced Concrete Box Culverts
 - Reveted Channels
 - Steel Sheet Piling
- **Quality Assurance/Quality Control**

Waggoner has submitted 12 of its 16 final project plans to LADOTD, with three projects already under construction. The remaining projects will strategically go out for construction bids over the next one to three years.

Team Members Involved:

Robert Lear, Miles Williams, Alex Farr, Bryan Harmon, Joshua Renard, Kelsie Bankston, Joshua Ricard, Andrew Windmann, Charlotte Gremillon

Project Relevance:

- ✓ Project Management & Support
- ✓ Quality Control & Peer Reviews
- ✓ Environmental/Permitting
- ✓ Surveying Services
- ✓ SUE & Utility Relocation
- ✓ Geotechnical Engineering
- ✓ Roadway & Hydraulics
- ✓ Bridge Design
- ✓ Plan Development & Letting Support
- ✓ Construction Support



17. FIRM EXPERIENCE:

Firm Name				
Project Name	IDIQ Contract for Engineering and Technical Support Services	Past Performance Evaluation Category(ies)*		Road, Bridge, Survey, Right-of-Way, Other (Project Management), Other (Roadway Lighting)
		Firm Responsibility	Prime	
Project Number	4400029197	Owner's Name	LADOTD	
Project Location	Statewide	Owners Project Manager	Paul Vaught, PE	
Owners Address, Phone, Email		1201 Capitol Access Road, Baton Rouge, LA 70802 225.379.1816 paul.vaughtiii@la.gov		
Services Commenced by this Firm (mm/yy)	12/25	Total Consultant Contract Cost (\$1,000's)		\$2,640 (fee)
Services Completed by this Firm (mm/yy)	Ongoing	Cost of Consultant Services Provided by this Firm (\$1,000's)		\$2,272 (fee)

Project Description:

Waggoner was selected to deliver design services to the LADOTD Road Design section. This retainer contract has the same scope of services elements as the advertised contract. Task orders under this contract address urban and suburban corridor improvements, capacity improvements, intersection improvements, and hydraulic upgrades.

H.016093 - US 84: Grand Cane Bayou & Relief Bridges (DeSoto, LA):

Waggoner is providing, hydraulic, roadway, and bridge design services for the replacement of three load-posted bridges with 3 new C-I-P slab span bridges. Services include preliminary and final construction plans, conducting environmental documentation and permitting, completing hydraulic analyses, and developing geotechnical field data and engineering recommendations for bridge foundations. The project also involves preparing construction cost estimates, and supporting project advancement through final construction while maintaining compliance with LADOTD, FHWA, and AASHTO guidelines.

H.016094 - US 371: Brushy Creek Bridge (Webster, LA):

Waggoner is providing survey, hydraulic, roadway, and bridge design services for the replacement of an obsolete and load-posted bridge with a new LG-36 PPC girder bridge. Services include preliminary and final construction plans, topographic survey, conducting environmental documentation and permitting, completing hydraulic analysis, and developing geotechnical field data & engineering recommendations for bridge foundations. The project also involves preparing construction cost estimates, and supporting project advancement through final construction while maintaining compliance with LADOTD, FHWA, and AASHTO guidelines.

These two projects were added to this contract due to the heavy attention given to the them from a local invested manufacturer that is currently load restricted from using both routes.

IIJA Off-System Bridge Project Management:

Waggoner is providing Project Administration and Technical Review Services for approximately 70 IIJA Off-System Bridge Replacement projects across multiple LADOTD districts throughout Louisiana. Services include project management support, coordination with designers and LADOTD stakeholders, milestone review management, environmental and right-of-way coordination, bid package development, and letting support. Waggoner performs independent technical reviews of roadway, bridge, and hydraulic design deliverables to verify compliance with current AASHTO and LADOTD standards, design policies, constructability requirements, and project biddability. The effort also includes evaluation of design exceptions and waivers, review of construction-phase plan modifications, and ongoing oversight to facilitate successful project delivery from design through letting.

H.010116 LA 1088: Soult & Trinity Roundabouts (St. Tammany Parish, LA):

Waggoner is providing road design engineering and related services for two intersections and complete streets design. The roundabout at Soult St. includes complex spiral geometrics for lane assignments. The design incorporates NCHRP 1043 roundabout guidelines for speed control. Complete streets include a 14' multi-use path on one side of the corridor due to existing constraints.

Team Members Involved: Robert Lear, Miles Williams, Alex Farr, Bryan Harmon, Charlotte Gremillion, Kelsie Bankston, Jace Ricard, Steven Gilliam, Wesley Melancon, Andrew Windmann, Joshua Gonya

Project Relevance:

- ✓ Alternative Delivery
- ✓ Project Management
- ✓ QC & Peer Reviews
- ✓ Environmental/Permitting
- ✓ Surveying Services
- ✓ SUE & Utility Relocation
- ✓ Geotechnical Engineering
- ✓ Roadway & Hydraulics
- ✓ Bridge Design
- ✓ Construction Support
- ✓ ITS Design & Support
- ✓ Roadway & Lighting

17. FIRM EXPERIENCE:

Firm Name			
Project Name	I-10: LA 415 to Essen Lane on I-10 and I-12 CMAR	Past Performance Evaluation Category(ies)*	Road, Traffic, Environmental, Other (Alternative Delivery) Other (Project Management), Other (SUE)
		Firm Responsibility	Subconsultant
Project Number	H.004100	Owner's Name	LADOTD
Project Location	East Baton Rouge & West Baton Rouge Parishes	Owners Project Manager	Nick Olivier, PE
Owners Address, Phone, Email	1201 Capitol Access Road, Baton Rouge, LA 70802 225.379.1133 nicholas.olivier@la.gov		
Services Commenced by this Firm (mm/yy)	10/20	Total Consultant Contract Cost (\$1,000's)	\$29,583
Services Completed by this Firm (mm/yy)	Ongoing	Cost of Consultant Services Provided by this Firm (\$1,000's)	\$4,170

Project Description:

Waggoner is the lead roadway design team member for this transformational transportation improvement for the Capital Region. It is being delivered in an accelerated time frame by an alternative delivery CMAR process. Our primary responsibility includes geometrics and road design for the frontage roads, ramps, and local roadway upgrades. We are also responsible for the drainage design for the entire project, which includes subsurface and open ditch systems.

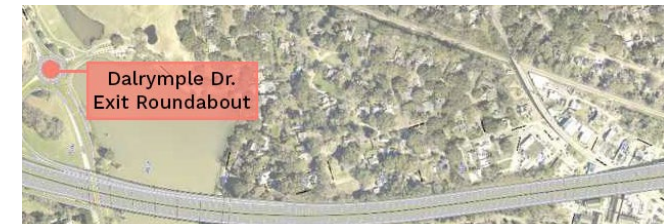
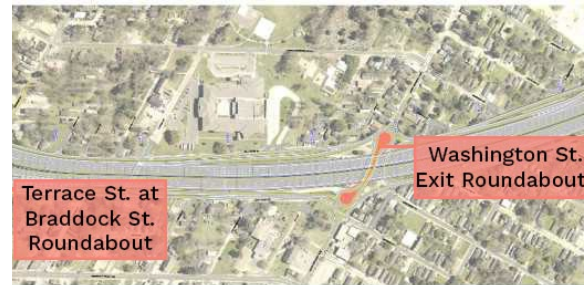
The road design components include typical sections, plan profiles, drainage plan profiles, geometric layouts, geometric details, graphical grades, cross sections, complete streets pedestrian and bicycle facilities, pay item and quantity computations, and non-standard special provisions. Waggoner prepared all Design Reports for the project which included interstate, ramp, urban arterial, urban collector, local roads, and roundabout classifications. All associated design waivers and design exception documentation was also prepared by Waggoner. All plan development is being performed in accordance with LADOTD electronic delivery standards.

Traffic engineering responsibilities include providing geometrics and alternatives for the IMR, complex urban and freeway geometrics, construction phasing, and suggested sequence of construction/MOT.

Waggoner also served as a sub for the Environmental Assessment NEPA process. Waggoner was responsible for the line and grade study geometrics, interchange alternatives, community connections meetings, public meetings and workshops, researching and compiling as-built plans, constructability reviews, opinion of probable costs, and ROW limits.

Waggoner also prepared SUE and Utility Relocation plans to consolidate utilities into a major duct bank. The duct bank minimizes the need for multiple relocations during project phasing and is a significant cost savings. We participated in utility coordination with LADOTD, EBR Parish, and several utility companies.

Construction support includes shop drawings reviews, review and responses to RFIs, and review of contractor proposals made throughout the CMAR process.



Project Relevance:

- ✓ Alternative Delivery
- ✓ Project Management & Support
- ✓ Quality Control & Peer Reviews
- ✓ Environmental/Permitting
- ✓ SUE & Utility Relocation
- ✓ Roadway & Hydraulics
- ✓ Plan Development & Letting Support
- ✓ Construction Support

Team Members Involved:

Robert Lear, Miles Williams, Bryan Harmon, Alex Farr, Joshua Renard, Andrew Windmann, Josh Gonya, Kelsie Bankston, Charlotte Gremillion, Joshua Ricard

17. FIRM EXPERIENCE:

Firm Name			
Project Name	Wekiva Parkway Section 8 Interchange Design-Build	Past Performance Evaluation Category(ies)*	Road, Bridge, Traffic, Geotech, Survey, Environmental, ITS, Other (Project Management), Other (SUE)
		Firm Responsibility	Prime Designer
Project Number	240200-4-52-01	Owner's Name	The Lane Construction Corporation for FDOT District Five
Project Location	Seminole County, Florida	Owners Project Manager	Dyelan Phillips
Owners Address, Phone, Email	2601 Maitland Center Parkway, Maitland, FL 32751 407.331.3100 djphillips@laneconstruct.com		
Services Commenced by this Firm (mm/yy)	10/18	Total Consultant Contract Cost (\$1,000's)	\$24,999
Services Completed by this Firm (mm/yy)	06/23	Cost of Consultant Services Provided by this Firm (\$1,000's)	\$12,510

Project Description:

This \$263.3 million design-build project includes the design of a new 2.63 mile limited access toll road and system to system interchange connecting I-4, SR 417, and SR 429 that completes the beltway around Orlando and accommodates for future I-4 Beyond the Ultimate express lanes.

The project includes 20 new bridges and two bridge widenings with bridge types of single and multi-span bridges, concrete Florida-I Beams and steel plate girders. There are 25 stormwater management facilities to address water quality, attenuation and floodplain impacts. DRMP was also responsible for the preparation of an Interchange Modification Report (IMR), permitting, design of retaining walls, noise walls, signing and pavement markings, signals, and lighting.

DRMP, in partnership with our Contractor, designed an innovative Alternative Technical Concept (ATC) that provided \$25 million in project cost savings, improved operations and safety during and after construction, reduced bridge deck area by 200,000-SF, preserved four existing bridges, minimized overall impacts and long-term maintenance costs.



Project Relevance:

- ✓ Alternative Delivery
- ✓ Project Management & Support
- ✓ Quality Control Reviews and Peer Reviews
- ✓ Environmental/Permitting
- ✓ Traffic Engineering & Design
- ✓ Surveying
- ✓ SUE & Utility Relocation
- ✓ Roadway & Hydraulics
- ✓ Bridge Design
- ✓ Plan Development and Letting Support
- ✓ Construction Support
- ✓ Tolling
- ✓ ITS Design and Support
- ✓ Roadway and Aesthetic Lighting Design

Team Members Involved:

TJ Lallathin, George McLatchey, Rachel Schmidt, Anthony Smith, Brent Bass, Don Brown, John Florez, Jim Highland, Justin Hayes, Carlos Martinez, Logan Shappell, Brady Hart, Jocelyn Haisch-Lynn, Fernando Nisiama, Nigel Atkinson, Logan Yarbrough

17. FIRM EXPERIENCE:

Firm Name			
Project Name	SR 91 (Florida's Turnpike Mainline) Widening from SR 50 Interchange to Minneola Interchange (MP 273-279)	Past Performance Evaluation Category(ies)*	Road, Bridge, Traffic, Survey, Environmental, Right-of-Way, ITS, Other (Project Management), (SUE)
		Firm Responsibility	Prime
Project Number	435784-1-3201 & 435785-1-32-01	Owner's Name	Florida's Turnpike Enterprise
Project Location	Orange and Lake Counties, Florida	Owners Project Manager	Anil Sharma, PE
Owners Address, Phone, Email	Turkey Lake HQ, MP 263 Bldg 5313, Ocoee, FL 24761 407.280.9969 anil.sharma@dot.state.fl.us		
Services Commenced by this Firm (mm/yy)	06/16	Total Consultant Contract Cost (\$1,000's)	\$9,910
Services Completed by this Firm (mm/yy)	12/21	Cost of Consultant Services Provided by this Firm (\$1,000's)	\$4,703

Project Description:

This project consisted of the preparation of construction plans for the widening of six miles of SR 91 from a 4-lane to 8-lane roadway. The project replaced bridge structures at five locations (CR 438, Jones Road, Old 50, CR 455 and Blackstill Lake Road), replaced one pedestrian overpass structure (West Orange Trail over SR 91) and added a new alignment overpass structure for Fosgate Road over SR 91. The proposed West Orange Trail bridge is a two-span prefabricated steel truss bridge with aesthetic signage attached to the bridge. The bridge is fully enclosed with a 14' clear width and provides 12' of vertical clearance.

The project also included the design of two roundabouts with landscaping and lighting adjacent to the CR 455 overpass structure. Plans and design included roadway, maintenance of traffic, drainage, utility coordination, structures, signing and pavement markings, lighting, intelligent information systems, landscaping, All Electronic Tolling (AET) facility toll gantries, and environmental permitting. The project also included design survey, subsurface utility engineering, right-of-way surveys and development of legal descriptions and sketches for the purchase of right-of-way for ponds and roadway improvements.



Project Relevance:

- ✓ Project Management & Support
- ✓ Quality Control Reviews & Peer Reviews
- ✓ Environmental & Permitting
- ✓ Traffic Engineering & Design
- ✓ Surveying Services
- ✓ SUE and Utility Relocation
- ✓ Roadway & Hydraulic
- ✓ Bridge Design
- ✓ Plan Development & Letting Support
- ✓ Construction Support
- ✓ Tolling
- ✓ ITS Design & Support
- ✓ Roadway & Aesthetic Lighting Design

Team Members Involved:

George McLatchey, Brent Bass, Don Brown, Steven D'Uva, Stephen Donegan, Nick DeVito, John Florez, Jim Highland, Carlos Martinez, Logan Shappell, Fernando Nisiama, Kimberly Sadowski, Bharathi Chigurupati, Rachel Schmidt, Jocelyn Haisch-Linn, Pavan Paiavula, Justin Hayes, Logan Yarbrough

17. FIRM EXPERIENCE:

Firm Name			
Project Name	SR 589 (Suncoast Parkway 2) from US 98 to South of W. Grover Cleveland Boulevard (MP 54.7-63.3)	Past Performance Evaluation Category(ies)*	Road, Bridge, Traffic, Geotech, Survey, Environmental, ITS, Other (Tolling), Other (SUE)
		Firm Responsibility	Prime
Project Number	405270-1-32-01	Owner's Name	Florida's Turnpike Enterprise
Project Location	Hernando and Citrus Counties, FL	Owners Project Manager	Judith Fernandez
Owners Address, Phone, Email	11201 N McKinley Drive, M-S-700, Tampa, FL 33612 813.975.4813 judith.fernandez@dot.state.fl.us		
Services Commenced by this Firm (mm/yy)	06/07	Total Consultant Contract Cost (\$1,000's)	\$4,793
Services Completed by this Firm (mm/yy)	12/17	Cost of Consultant Services Provided by this Firm (\$1,000's)	\$3,644

Project Description:

Florida's Turnpike Enterprise sought a professional engineering services firm to design a pedestrian bridge structure to carry pedestrians on Suncoast Multi-Use Trail safely over US 98 adjacent to the Suncoast Parkway Section 2.

This project consisted of the preparation of construction plans for a 4-lane new alignment roadway. The project included five sites along SR 589 and one pedestrian bridge site over US 98; all using Florida-I Beams. Along SR 589, three sites consisted of twin overpass structures; one site consisted of a two-span structure over SR 589 with aesthetic piers; and the final site consisted of twin bridges over a Wildlife Crossing. All sites included the design of MSE retaining walls. The Suncoast Trail pedestrian bridge over US 98 includes a 258.5-foot long, two-span structure over US 98 consisting of Florida-I 54 Beams. The bridge includes an elevated switch-back structure at the south end consisting of 16 spans with a total length of 532.5-ft. The north approach is a straight ramp leading up to the bridge. The switch-back structure was founded on spread footings to eliminate pile foundations.

The existing Suncoast Trail carries pedestrians and cyclists along 42 miles through Hillsborough, Pasco, and Hernando counties. The new bridge over US 98 will be the continuation point of the trail into Citrus County, Florida as part of the Suncoast Parkway 2 project. Pedestrians and cyclists will be able to cross safely over US 98 to access the new Suncoast Trail extension. Safety upgrades for the bridge include an aluminum railing along the switchbacks and a fenced enclosure over US 98.



Project Relevance:

- ✓ Project Management & Support
- ✓ Quality Control Reviews & Peer Reviews
- ✓ Environmental & Permitting
- ✓ Traffic Engineering & Design
- ✓ Surveying Services
- ✓ SUE and Utility Relocation
- ✓ Roadway & Hydraulic
- ✓ Bridge Design
- ✓ Plan Development & Letting Support
- ✓ Construction Support
- ✓ Tolling
- ✓ ITS Design & Support
- ✓ Roadway & Aesthetic Lighting

Team Members Involved:

George McLatchey, Don Brown, Steven D'Uva, Nick DeVito, John Florez, Jim Highland, Bruno Arriola, Mike Jaroch

17. FIRM EXPERIENCE:

Firm Name	 Horrocks.		
Project Name	US-89 Farmington to I-84 Progressive Design-Build	Past Performance Evaluation Category(ies)*	
		Firm Responsibility	Lead Design
Project Number	S-0089(406)398	Owner's Name	Utah Department of Transportation
Project Location	Davis County, UT	Owner's Project Manager	Mike Romero
Owners Address, Phone, Email	4501 South 2700 West, Salt Lake City, UT 84114 801.618.7746 michaelromero@utah.gov		
Services Commenced by this Firm (mm/yy)	08/18	Total Consultant Contract Cost (\$1,000's)	\$382,485
Services Completed by this Firm (mm/yy)	06/23	Cost of Consultant Services Provided by this Firm (\$1,000's)	\$27,385

Project Description:

The US-89 project is a 12-mile reconstruction and widening project to convert US-89 into a six-lane freeway and convert six signalized intersections into grade-separated interchanges. US-89 is a major north-south urban arterial located within the cities of Farmington, Fruit Heights, Kaysville, Layton, and South Weber, approximately 20 miles north of Salt Lake City.

The project was constructed using the innovative delivery method Progressive Design-Build (PDB). PDB is a hybrid of CM/GC and Design-Build delivery methods and allows the owner to select a design-build team at the initial phases of the project, and direct them to build the desired project. As part of the Oak Hills Contractors Design-Build team, Horrocks and our teaming partner Michael Baker International served as the lead designers on this project for the preparation of final construction plans, specifications, survey, SUE utility agreements, ROW deeds, ROW acquisition, GIS, and contract documents.

Major elements of this project included a new roadway and interchange, new bridge structures, pedestrian bridge structures, retaining walls, noise walls, survey, SUE, utility relocations, traffic signals, lighting, ATMS, MOT, and storm drainage. This project also included coordination with Weber Basin Water Conservancy District and the Bureau of Reclamation for the final design and protection of a 78-inch aqueduct.

On UDOT's first PDB project, the team delivered a project budget eight weeks after the award using the environmental study's design documents for preliminary pricing of major scope elements. During preconstruction, we used the rapid design and cost iteration process from DB projects to make best-value decisions with UDOT's team to achieve the speed of DB with the collaboration of CMGC.



Project Relevance:

- ✓ Alternative Delivery
- ✓ Project Management & Support
- ✓ Quality Control & Peer Reviews
- ✓ Environmental/Permitting
- ✓ Traffic Engineering & Design
- ✓ Surveying Services
- ✓ SUE & Utility Relocation
- ✓ Roadway & Hydraulics
- ✓ Bridge Design
- ✓ Plan Development & Letting Support
- ✓ Construction Support
- ✓ ITS Design & Support
- ✓ Roadway & Aesthetic Lighting

Team Members Involved:

Ryan Pitts, Ashley Dowell, Spencer Stephenson, Dana Ames, Richard Hansen, Matt Horrocks, David Simmons

17. FIRM EXPERIENCE:

Firm Name	 Horrocks.		
Project Name	Reno Spaghetti Bowl Xpress (SBX) Design-Build	Past Performance Evaluation Category(ies)*	
		Firm Responsibility	Lead Design
Project Number	202901-001	Owner's Name	Nevada Department of Transportation
Project Location	Reno, NV	Owner's Project Manager	Pedro Rodriguez
Owners Address, Phone, Email		725 W 4th St, Winnemucca, NV 89445 775.301.0796 prodriguez@dot.state.nv.us	
Services Commenced by this Firm (mm/yy)	01/20	Total Consultant Contract Cost (\$1,000's)	\$223,000
Services Completed by this Firm (mm/yy)	02/23	Cost of Consultant Services Provided by this Firm (\$1,000's)	\$16,943

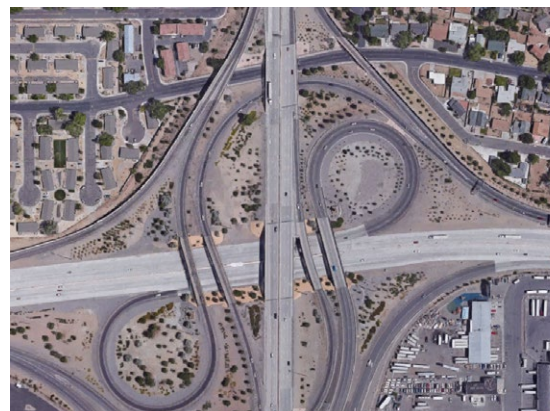
Project Description:

The US-89 project is a 12-mile reconstruction and widening project to convert US-89 into a six-lane freeway and convert six signalized intersections into grade-separated interchanges. US-89 is a major north-south urban arterial located within the cities of Farmington, Fruit Heights, Kaysville, Layton, and South Weber, approximately 20 miles north of Salt Lake City.

The project was constructed using the innovative delivery method Progressive Design-Build (PDB). PDB is a hybrid of CM/GC and Design-Build delivery methods and allows the owner to select a design-build team at the initial phases of the project, and direct them to build the desired project. As part of the Oak Hills Contractors Design-Build team, Horrocks and our teaming partner Michael Baker International served as the lead designers on this project for the preparation of final construction plans, specifications, survey, SUE utility agreements, ROW deeds, ROW acquisition, GIS, and contract documents.

Major elements of this project included a new roadway and interchange, new bridge structures, pedestrian bridge structures, retaining walls, noise walls, survey, SUE, utility relocations, traffic signals, lighting, ATMS, MOT, and storm drainage. This project also included coordination with Weber Basin Water Conservancy District and the Bureau of Reclamation for the final design and protection of a 78-inch aqueduct.

On UDOT's first PDB project, the team delivered a project budget eight weeks after the award using the environmental study's design documents for preliminary pricing of major scope elements. During preconstruction, we used the rapid design and cost iteration process from DB projects to make best-value decisions with UDOT's team to achieve the speed of DB with the collaboration of CMGC.



Project Relevance:

- ✓ Alternative Delivery
- ✓ Project Management & Support
- ✓ Quality Control & Peer Reviews
- ✓ Environmental/Permitting
- ✓ Traffic Engineering & Design
- ✓ Surveying Services
- ✓ SUE & Utility Relocation
- ✓ Roadway & Hydraulics
- ✓ Bridge Design
- ✓ Plan Development & Letting Support
- ✓ Construction Support
- ✓ ITS Design & Support
- ✓ Roadway & Aesthetic Lighting

Team Members Involved:

Matt Horrocks, Dana Ames, Ashley Dowell, Richard Hansen

17. FIRM EXPERIENCE:

Firm Name			
Project Name	I-25 Comanche and Montgomery Interchanges Design-Build Program Management	Past Performance Evaluation Category(ies)*	Road, Bridge, Traffic, Survey, Environmental, Right-of-Way, ITS, Other (Alternative Delivery), Other (Roadway Lighting), Other (SUE)
		Firm Responsibility	Prime
Project Number	CN A301901	Owner's Name	New Mexico Department of Transportation
Project Location	Albuquerque, NM	Owner's Project Manager	Joe Casares
Owners Address, Phone, Email	1120 Cerrillos Road, Santa Fe, NM 87505 505.469.4239 joseph.casares@dot.nm.gov		
Services Commenced by this Firm (mm/yy)	11/20	Total Consultant Contract Cost (\$1,000's)	\$278,000 (Ongoing)
Services Completed by this Firm (mm/yy)	Ongoing	Cost of Consultant Services Provided by this Firm (\$1,000's)	\$21,909

Project Description:

Horrocks is providing Design-Build (DB) Program Management for the Comanche and Montgomery Interchange project for the New Mexico Department of Transportation. Located along a busy section of I-25 in Albuquerque, the project involves the development of the DB procurement package, performance specifications, preliminary engineering design services, procurement of the DB team, and construction management of the final project.

Improvements at the Comanche interchange includes a new interstate bridge, new off-ramp location, additional interstate lanes, auxiliary lanes, frontage road improvements, advanced U-turns for frontage road circulation, and Comanche road improvements. Improvements at the Montgomery interchange (already designed) include similar components with new on and off ramp braided bridges, and multi-use trails.

Horrocks will be responsible for re-evaluating the Montgomery plans and modifying the design to suit the Comanche improvements, by combining project limits, quantities, general notes, schedules, details, build notes, suggested sequencing and other pertinent project information into one plan set.

Horrocks will be obtaining all certifications and other regulatory approvals and required authorizations, assemble bid documents, review proposed construction schedules and costs, review alternative concepts submitted by prospective contractors, assess project impacts and risks, and develop the RFQ/RFP packages for DB. During construction, the Horrocks team will monitor MOT traffic, provide public outreach, project oversight, validate design changes by the DB contractor and ensure project changes maintain funding obligation.



Project Relevance:

- ✓ Alternative Delivery
- ✓ Program Management & Support
- ✓ Quality Control & Peer Reviews
- ✓ Environmental / Permitting
- ✓ Traffic Engineering & Design
- ✓ Surveying Services
- ✓ SUE & Utility Relocation
- ✓ Roadway & Hydraulics
- ✓ Bridge Design
- ✓ Plan Development & Letting Support
- ✓ Construction Support
- ✓ ITS Design & Support
- ✓ Roadway & Aesthetic Lighting

Team Members Involved:

Joe Sonnen, Shane Marshall, Ashley Dowell, Joe Serre, and Ryan Pitts

17. FIRM EXPERIENCE:

Firm Name					
Project Name	Bayou Sauvage Project	Past Performance Evaluation Category(ies)*		Road, Other (PR and Graphic Design), Other (Professional Presentation)	
		Firm Responsibility	Subconsultant		
Project Number	N/A	Owner's Name	Regional Planning Commission for Jefferson Batture, LLC		
Project Location	New Orleans, LA	Owners Project Manager	Lauren Williams		
Owners Address, Phone, Email		10 Veterans Blvd, New Orleans, LA 70124 504.533.8644 lwilliams@batture-eng.com			
Services Commenced by this Firm (mm/yy)	2024	Total Consultant Contract Cost (\$1,000's)		Unknown	
Services Completed by this Firm (mm/yy)	2025	Cost of Consultant Services Provided by this Firm (\$1,000's)		\$ 48.4	

Project Description:

Alta is supporting the New Orleans Regional Planning Commission to develop plans for interior and exterior bicycle and pedestrian access and blueway planning for the Bayou Sauvage National Wildlife Refuge.

The Refuge is the second largest urban wildlife refuge in the United States, consisting of over 27,000 acres of wetlands in the eastern portion of Orleans Parish. It is one of the prime bird habitat and bird-viewing refuges in the nation, with over 270,000 annual visitors. Yet, access to the refuge is haphazard - there is no visitor center, no trailhead facilities, and visitors many times park on the side of the road and walk right in. In addition, access from adjoining neighborhoods is blocked by transportation infrastructure (major interstate and arterials) and other physical obstacles, such as canals or abandoned/vacant sites.

The vision for the Refuge is one that provides better facilities for visitors, has better internal trails, blueways, and natural infrastructure, and one that better connects to neighborhoods, so that all can access and enjoy it. Alta is helping facilitate public and stakeholder input, identify transportation safety and access concerns, assess and prioritize options, and ultimately set in stone a plan to bring the Refuge's vision to reality.

Team Members Involved: Spencer Finch, PE, LEEP AP

Project Relevance:

- ✓ Road Design
(Complete Streets)
- ✓ Public Relations
- ✓ Graphic Design
- ✓ Professional Presentation



17. FIRM EXPERIENCE:

Firm Name	FORTE & TABLADA		
Project Name	LA 47 Over Bayou Bienvenue	Past Performance Evaluation Category(ies)*	Survey
		Firm Responsibility	
Project Number	H.015935	Owner's Name	LADOTD c/o HNTB
Project Location	Orleans and St. Bernard Parishes, LA	Owners Project Manager	Dusty Bastion, PE (HNTB)
Owners Address, Phone, Email	1000 Perkins Rowe, Suite 640, Baton Rouge, LA 70810 225.368.2810 dbastion@hntb.com		
Services Commenced by this Firm (mm/yy)	02/24	Total Consultant Contract Cost (\$1,000's)	\$104
Services Completed by this Firm (mm/yy)	03/24	Cost of Consultant Services Provided by this Firm (\$1,000's)	\$104

Project Description:

Forte and Tablada performed an emergency topographic survey in support of the replacement of the LA 47 Paris Road Bridge over Bayou Bienvenue, located just north of Chalmette, Louisiana. The survey limits extended approximately 1,300 feet along LA 47—500 feet south of the southern bridge abutment to 500 feet north of the northern abutment—and included 500 linear feet of Bayou Bienvenue (250 feet upstream and downstream of the bridge).

Scope of Services:

- The scope included a full topographic survey capturing:
- Surface features required for bridge replacement design
- All utilities with depths and drainage structures
- Finish floor elevations of structures within the survey corridor
- Limited bridge detail including deck features, pile cap centerline, number of piles, and bottom of stringers
- Stationary Terrestrial Laser Scanning (TLS) on hard surfaces including roadways and the bridge deck
- Apparent right-of-way determination based on existing monumentation

All deliverables were completed in accordance with the LA DOTD Location and Survey Manual, including point cloud data in E57 and LAS format.

Key Challenge: The biggest challenge faced by the survey team was the aggressive turnaround time required to support an emergency bridge closure. Forte and Tablada deployed multiple field crews and leveraged advanced scanning technologies to meet critical project deadlines without sacrificing quality or accuracy.

Deliverables:

- Digital Terrain Model (DTM)
- Topographic CAD files
- Utility and drainage mapping
- TLS Point Cloud (E57 and LAS)
- Apparent right-of-way mapping

Project Relevance:

✓ Surveying Services

Outcome: Despite the urgency, Forte and Tablada delivered all required survey data within 30 days of receiving advanced notice to proceed—months ahead of the official contract execution. The rapid mobilization and delivery enabled the design team to proceed immediately with critical bridge replacement efforts. This project showcases Forte and Tablada's capability to perform under pressure and deliver precise geospatial data on compressed timelines for high-priority infrastructure needs.



Team Members Involved:

Brad Holleman, Ross Wilson

17. FIRM EXPERIENCE:

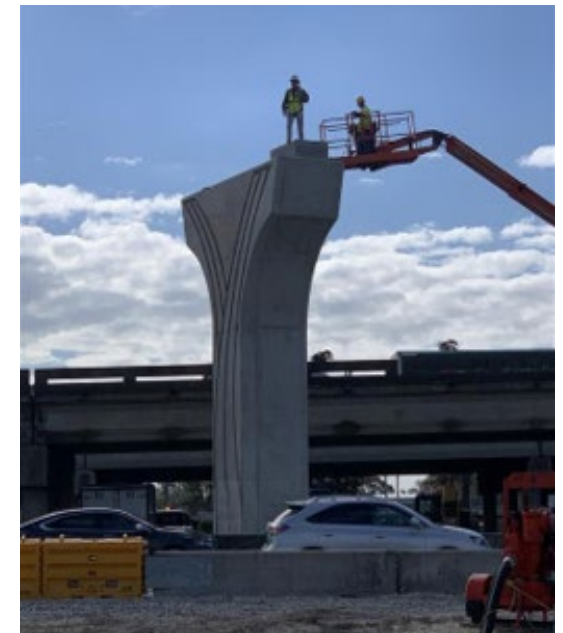
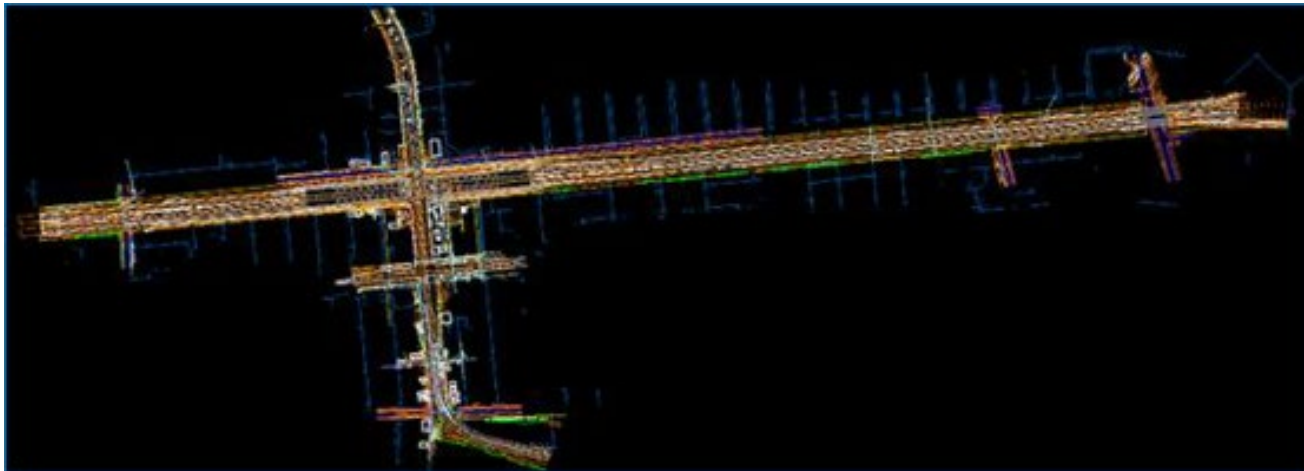
Firm Name			
Project Name	I-10/Loyola Interchange Improvements	Past Performance Evaluation Category(ies)*	Survey
		Firm Responsibility	
Project Number	H.011670	Owner's Name	LADOTD
Project Location	Kenner, LA	Owners Project Manager	Tim Nickel, PE
Owners Address, Phone, Email	1201 Capitol Access Road, Baton Rouge, LA 70804 225.379.1292 timothy.nickel@la.gov		
Services Commenced by this Firm (mm/yy)	07/19	Total Consultant Contract Cost (\$1,000's)	Unknown
Services Completed by this Firm (mm/yy)	Ongoing	Cost of Consultant Services Provided by this Firm (\$1,000's)	\$552

Project Description:

Forte and Tablada performed services as prime surveyor, overseeing QA/QC processes across collaborating survey firms in a comprehensive project spanning from the Kenner levee to the Williams Blvd. off-ramp, inclusive of sections of Loyola Avenue and Veterans Blvd. Our oversight encompassed topographic surveys, right-of-way mapping, property surveys, drainage surveys, right-of-way monument mapping, and rigorous QA/QC oversight for this design-build initiative. During the collaborative effort, our expertise ensured seamless coordination and adherence to quality standards, underscoring our role in maintaining project integrity and success despite challenges such as a compressed schedule and the rapid subsidence of the Airport entryway, which was located in marshland terrain.

Project Relevance:

✓ Surveying Services



Team Members Involved:

Joey Coco, Brad Holleman, Ross Wilson

17. FIRM EXPERIENCE:

Firm Name	 LAZENBY & ASSOCIATES, INC.		
Project Name	I-20 Widening/Overlay (Vancil Rd to LA 34)	Past Performance Evaluation Category(ies)*	Survey
		Firm Responsibility	Prime
Project Number	H.015052	Owner's Name	LADOTD
Project Location	Ouachita Parish, LA	Owners Project Manager	Steve A. LeBlanc, PLS
Owners Address, Phone, Email	1201 Capitol Access Road, Baton Rouge, LA 70802 225.379-1292 steve.leblanc2@la.gov		
Services Commenced by this Firm (mm/yy)	05/22	Total Consultant Contract Cost (\$1,000's)	\$393
Services Completed by this Firm (mm/yy)	01/23	Cost of Consultant Services Provided by this Firm (\$1,000's)	\$393

Project Description:

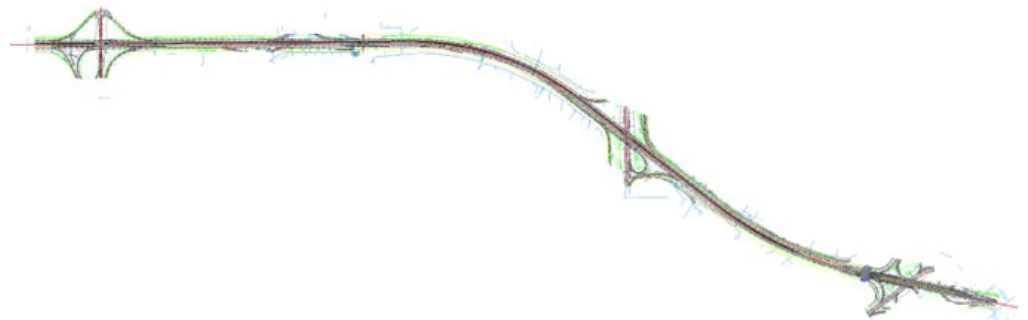
Lazenby & Associates, Inc. was the prime consultant on this project, which included performing topographic surveying services within the existing I-20 ROW for existing interstate widening & overlay. Approximately 20,815 feet (3.94 mi) along I-20 (urban interstate) thru West Monroe, LA is included in the topographic survey limits, including portions of 3 urban principal arterial and 1 urban major collector interchanges/overpasses.

Static/RTK GPS survey methods were used to establish horizontal and vertical control for the field survey. Conventional survey methods using total stations and digital levels were used to collect the topographic survey data for the project. In addition, 3D LIDAR point clouds were collected using both stationary terrestrial tripod mounted scanner and mobile scanning. Topographic features were extracted from the 3D point cloud such as hard surface pavement, bridge structures, traffic signs, overhead truss sign supports, guardrails, and existing traffic lighting. 360 camera images collected with the mobile LIDAR and georeferenced aerial imagery were used to assist with the QA/QC validation of the topographic survey.

In addition to the collection of topographic survey features, other surveying services include the establishment of referenced iron rods along the project to define the GPS control, locating and research of ownership of all utilities within the limits of the topographic survey using LA One Call and preparation of an existing drainage map of the project area. An existing DTM was developed using surface elevations collected and existing alignments were calculated along the I-20 corridor, interchanges and overpasses.

Project Relevance:

- ✓ Project Management & Support
- ✓ Surveying Services



Team Members Involved:

Ronald Riffin, Randy Hammons, James Ellingburg, Noah Sampognaro

17. FIRM EXPERIENCE:

Firm Name			
Project Name	Kansas Lane - Garrett Road Connector and I-20 Improvements	Past Performance Evaluation Category(ies)*	
		Firm Responsibility	Prime
Project Number	H.007300	Owner's Name	LADOTD
Project Location	Ouachita Parish, LA	Owners Project Manager	Catherine Mastin, PE
Owners Address, Phone, Email		1201 Capitol Access Road, Baton Rouge, LA 70802 225.379-1652 catherine.mastin@la.gov	
Services Commenced by this Firm (mm/yy)	09/17	Total Consultant Contract Cost (\$1,000's)	\$2,997
Services Completed by this Firm (mm/yy)	Ongoing	Cost of Consultant Services Provided by this Firm (\$1,000's)	\$1,436

Project Description:

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

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

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

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

Project Relevance:

- ✓ Project Management & Support
- ✓ Surveying Services



Team Members Involved:

Jerry Lazenby, Paul Fryer, Ronald Riggan, James Spillers, Randy Hammons, James Ellingburg, Hagan Lawrence, Noah Sampognaro, Blaine Holloway

17. FIRM EXPERIENCE:

Firm Name			
Project Name	I-10: LA 415 to Essen Lane on I-10 & I-12 (CMAR)	Past Performance Evaluation Category(ies)*	
		Firm Responsibility	Subconsultant
Project Number	H.004100.5	Owner's Name	LADOTD
Project Location	East Baton Rouge Parish, LA	Owners Project Manager	Nicholas Olivier
Owners Address, Phone, Email	1201 Capitol Access Road, Baton Rouge, LA 225.379.1133 nicholas.olivier@la.gov		
Services Commenced by this Firm (mm/yy)	07/21	Total Consultant Contract Cost (\$1,000's)	\$20,800
Services Completed by this Firm (mm/yy)	Ongoing	Cost of Consultant Services Provided by this Firm (\$1,000's)	\$692

Project Description:

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

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

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

Project Relevance:

- ✓ Alternative Delivery
- ✓ Geotechnical Engineering



Team Members Involved:

Robert Jewell, Megan Bourgeois, Ross McGillivray, Jarmon King, Robert Rousset, Jessica Litt, Casey Floyd, Chae Hrenyk

17. FIRM EXPERIENCE:

Firm Name			
Project Name	I-20 Mississippi River Bridge Review	Past Performance Evaluation Category(ies)*	
		Firm Responsibility	Prime
Project Number	H.004646, H.010603, H.010612.6	Owner's Name	LADOTD
Project Location	Madison Parish, LA	Owners Project Manager	Chris Nickel
Owners Address, Phone, Email	1201 Capitol Access Road, Baton Rouge, LA 225.379.1100 chris.nickel@la.gov		
Services Commenced by this Firm (mm/yy)	10/09	Total Consultant Contract Cost (\$1,000's)	\$7,326
Services Completed by this Firm (mm/yy)	Ongoing	Cost of Consultant Services Provided by this Firm (\$1,000's)	\$7,326

Project Description:

Ardaman conducted a geotechnical study to develop a list of technically feasible remedial alternatives to decrease the potential for ground movements to occur at the site of the I-20 Bridge. Movement of the east abutment of the bridge was first realized in 2001 during an inspection. Over the years Mississippi DOT has retained several consultants who have studied the problem, but no viable solution was identified.

Ardaman conducted a comprehensive review of past slope stability evaluations and recommendations. This task was followed by developing a refined geotechnical site characterization plan for the bank/bluff area for further analyses. Drilling operations included obtaining extremely sensitive samples containing prehistoric shear planes from the river via barge and on land, all with extremely difficult access conditions. The drilling program also included installation of geotechnical instrumentation such as Shape Accelerator Arrays, inclinometers, and vibrating wire piezometers. Engineering analyses performed included seepage and drawdown analyses and both equilibrium and finite element numerical modeling slope stability analyses.

As part of the project, Ardaman developed a full slope stabilization design and construction remediation strategy and a monitoring program for the bluff instability and ground movements affecting the existing I-20 Mississippi River Bridge.

W

Ardaman is currently managing a phase of the project which involves upgrading the entire instrumentation communication system. It also includes gathering and continuously monitoring various types of instrumentation data, inspects of the site and monitoring changes in topography by obtaining periodic survey data.



Project Relevance:

- ✓ Project Management & Support
- ✓ Geotechnical Engineering

Team Members Involved:

Megan Bourgeois, Robert Jewell, Ross McGillivray, Jarmon King, Chandler Willis, Casey Floyd

17. FIRM EXPERIENCE:

Firm Name			
Project Name	I-12 To Bush - LA 3241 (I-12 - LA 36) Corridor Study	Past Performance Evaluation Category(ies)*	Traffic
		Firm Responsibility	Subconsultant
Project Number	H.004100	Owner's Name	LADOTD
Project Location	Lacombe, LA	Owners Project Manager	Joachim Umeozulu, PE
Owners Address, Phone, Email	1201 Capitol Access Road, Baton Rouge, LA 70802 225-379-1386 joachim.umeozulu@la.gov		
Services Commenced by this Firm (mm/yy)	09/16	Total Consultant Contract Cost (\$1,000's)	\$1,895
Services Completed by this Firm (mm/yy)	05/17	Cost of Consultant Services Provided by this Firm (\$1,000's)	\$84

Project Description:

As part of the LADOTD TIMED program, Vectura prepared a formal traffic study for the new alignment of LA 3241. The traffic study examined concepts that improved the safety and efficiency of the roadway consistent with the latest LADOTD policies related to access management and complete streets. The study included analyses for intersection and corridor improvements such as median openings, spacing of openings, signalized, unsignalized, and roundabout intersections.

Task 1 Data Collection

Vectura collected the following traffic data for 10 intersections:

- 7-day (mainlines) and 2-day (side streets) 24-hour tube counts with vehicle classification
- Turning movement counts for morning and evening peak periods
- 15-minute driveway counts
- Traffic Signal warrants, radar speed studies, and sight distance evaluation
- Developed growth rate methodology and AM and PM peak forecast traffic volumes

Task 2 Traffic Study

This task included a roundabout study as defined in EDSM VI.1.1.5, VI.1.1.1, and LADOTD Traffic Engineering Manual Section 20.2. This task included the following elements:

- Performed Vistro and Sidra analyses for existing conditions
- Performed Vistro and Sidra analyses for implementation and design years.
- Intersection alternatives included restricted median openings, signalized and unsignalized intersections, median U-turns at existing signal locations, restricted crossing U-turn (RCUT) intersections, and roundabouts
- Developed Vissim model of the preferred corridor layout
- Developed Draft Traffic Study Report (3 copies)

Task 3 Safety Analyses

- Developed 3-year crash analyses report as per LADOTD standards



Project Relevance:

✓ Traffic Engineering & Design

Team Members Involved:

Brin Ferlito, Laurence Lambert

17. FIRM EXPERIENCE:

Firm Name	emergent method				
Project Name	DOTD Highway Priority Program	Past Performance Evaluation Category(ies)*		Other (PR and Graphic Design), Other (Professional Presentation)	
		Firm Responsibility	Prime		
Project Number	4400033750	Owner's Name	LADODT		
Project Location	Baton Rouge, LA	Owners Project Manager	Peggy Jo Paine		
Owners Address, Phone, Email		1201 Capitol Access Road, Baton Rouge, LA 70802 225-379-1200 peggy.paine@la.gov			
Services Commenced by this Firm (mm/yy)	09/25	Total Consultant Contract Cost (\$1,000's)		\$ 149	
Services Completed by this Firm (mm/yy)	Ongoing	Cost of Consultant Services Provided by this Firm (\$1,000's)		\$ 97	

Project Description:

The Emergent Method team, led by Keesler Morrison, provided comprehensive strategic communications, public outreach, graphic design, and program management support for the Department of Transportation and Development's (DOTD) Highway Priority Program. The project focused on translating complex infrastructure and funding data into highly accessible, professional resources to support legislative approval, public education, and stakeholder engagement.

Program Overview & Strategic Material Development: Developed a comprehensive suite of public information and technical materials to clearly communicate the scope, funding, and scheduling of the state's Highway Priority Program projects.

Program Guide Creation & Design: Led by Brittany Gentile, the team managed the end-to-end copywriting, layout, and graphic design of the official Highway Priority Program Guide, turning dense regulatory and engineering data into a polished, user-friendly document.

Legislative Approval Support & Presentation Materials: Created high-impact presentation materials and strategic messaging to support DOTD leadership during the legislative approval process and associated committee hearings.

"Road Show" & Public Outreach Support: Provided foundational logistics, coordination, and collateral support for the program's regional "road show," ensuring consistent messaging and effective public engagement across the state.

Targeted Collateral & One-Pagers: Developed a series of concise, visually engaging one-pagers and custom graphics to break down specific program components, regional impacts, and budgetary allocations for quick stakeholder consumption.

Critical Project Resources & Innovation: Designed specialized, creative communication tools—including custom project placemats and other collateral—to effectively highlight and contextualize critical high-profile infrastructure projects within the larger program.

Project Relevance:

- ✓ Program Management & Support
- ✓ Strategic Communications
- ✓ Public Outreach & Engagement
- ✓ Legislative Support Services
- ✓ Presentation Development
- ✓ Technical Writing & Editing
- ✓ Graphic Design & Visualization
- ✓ Public Information Materials Development
- ✓ Stakeholder Engagement



Sections 18

I-220/I-20 Interchange Improvements & BAFB Access Design Build

Bossier Parish
H.003370

Waggoner Engineering, Inc.
Lead Design Firm

Past Performance Disciplines performed by Waggoner:
Road, Traffic, Environmental, Other (Alternative Delivery), Other (SUE)

18. APPROACH AND METHODOLOGY:

Waggoner Engineering, Inc. has assembled a multidisciplinary team of transportation professionals, technical specialists, and strategic advisors specifically structured to support LADODT's Critical Projects program. Ranked #330 on ENR's 2026 Top 500 Design Firms list, Waggoner combines deep regional experience with the national resources of the Trilon Group to deliver scalable, high-quality infrastructure solutions.

Our team includes fellow Trilon partners **DRMP, Inc., Horrocks Engineers, Inc., and Alta Planning + Design**, providing LADODT with expanded capabilities in transportation engineering, program delivery, and multimodal planning. Complementing these resources are **Lazenby & Associates, Inc.** and **Forte & Tablada, Inc.**, providing surveying and geomatics expertise; **Vectura Consulting Services, LLC**, delivering specialized traffic engineering and operations support; and **Emergent Method, LLC**, offering program management and strategic advisory services. This structure enables Waggoner to deliver technically sound, efficiently coordinated solutions across a wide range of project types and disciplines.

Our approach is designed to support multiple concurrent task orders, accelerate delivery schedules, and provide LADODT with consistent, high-quality outcomes across all assignments.

IDIQ BACKGROUND AND UNDERSTANDING

Waggoner has extensive experience delivering projects under IDIQ and retainer-based contracting structures for LADODT. Our team has successfully executed projects across all 12 service disciplines identified in the advertisement and understands the flexibility, responsiveness, and coordination required for successful IDIQ delivery. Waggoner's team structure, staffing approach, and project management processes are specifically designed to address these conditions. Additionally, Waggoner holds multiple IDIQ/Retainer contracts for various LADODT programs including:

- Critical Projects (44-29197)
- Roadway (44-2747) & Design Services (44-32781, 44-19010)
- Highway Safety (44-2710)
- SUE Services (44-19183, 44-25512)
- Bridge Preservation (44-0634)

Notably, we successfully completed **three major interstate projects in Lafayette and St. Martin Parishes (I-10: E. Jct I-49 to Atchafalaya Floodway Bridge)** as separate tasks under an IDIQ contract. For the I-10 projects, Waggoner's services covered 9 of 12 items in Section A. We collaborated with LADODT and other consultants on the remaining 3. These I-10 Lafayette projects are showcased in Section 17.

Waggoner understands the contracting elements included in the advertisement, including the secondary selection process as outline in Attachment C. We acknowledge the critical project time assigned to this advertisement in Attachment A. **Our team has dedicated overlapping resources and personnel for the major disciplines to handle multiple task assignments (6+) as needed.**

APPROACH AND KEYS TO SUCCESS

Waggoner's delivery strategy for this IDIQ contract is built on proven practices that enable efficient execution, scalability, and consistent results across multiple concurrent task orders. The following key principles define our approach to successful project delivery:

- **Integrated, High-Performing Team:** Waggoner brings together a multidisciplinary team with a proven track record of delivering LADODT projects. Established working relationships, combined with the expanded capabilities of our Trilon partners, ensure seamless coordination, efficient problem-solving, and consistent execution across all disciplines.
- **Continuity of Experienced Personnel:** Key staff assigned to this contract have direct experience delivering similar LADODT projects and working together as a team. This continuity reduces ramp-up time, improves efficiency, and ensures consistent quality across all task orders.
- **Scalable Staffing for Concurrent Workload:** Our team is specifically structured to support multiple simultaneous task orders. With overlapping resources and dedicated discipline leads, Waggoner can rapidly scale to meet workload demands without impacting schedule, quality, or responsiveness.
- **Early Alignment and Defined Expectations:** Successful delivery begins with clear alignment. Waggoner works closely with LADODT at the outset of each task order to define scope, schedule, deliverables, and performance expectations, ensuring a shared understanding that is maintained throughout execution.
- **Structured Communication and Accountability:** We implement a formal communication framework that ensures clarity, responsiveness, and accountability. All communications, decisions, and submittals are documented, and established protocols streamline coordination between LADODT and the project team.
- **Disciplined Project Management:** Our Project Managers actively drive performance by managing schedules, budgets, and team coordination while maintaining continuous focus on meeting project objectives. This proactive approach ensures on-time, on-budget delivery.
- **Field-Informed Decision Making:** Site visits by key personnel provide critical insight into existing conditions, constraints, and risks. This field-driven approach strengthens design decisions, improves constructability, and reduces unforeseen issues during later phases.

- **Embedded Quality Control:** Quality control is integrated into every phase of project delivery. Rigorous internal reviews ensure technical accuracy, completeness, and consistency, reducing rework and enhancing overall deliverable quality.
- **Proactive Risk Management:** Risks are identified early and continuously monitored throughout each task order. Waggoner actively communicates potential issues and implements mitigation strategies to minimize impacts to schedule, budget, and delivery outcomes.

Contract Management, Task Order Management, & Staffing Assignments

As the prime consultant, Waggoner will serve as the primary point of contact for LADODT. **Robert Lear, PE, LSI, with over 29 years of experience in successfully managing and delivering LADODT transportation projects, will be the overall contract manager responsible for all administrative and management duties.** Upon receiving a task order from LADODT, Robert will assign a project manager from Waggoner. Together, they will collaborate with LADODT to develop the task order scope, estimate, and schedule. The selection of the project manager will depend on the type of project and the background/experience that best aligns with the project goals. We anticipate that projects will primarily require expertise in road, bridge, and project management.

Because IDIQ contracts can encompass a wide variety of disciplines in both size and scope, Waggoner has established a team structure that designates key individuals as team leaders for each of the primary disciplines outlined in the Scope of Services. These team leaders, who are subject matter experts, will offer technical guidance to the project delivery team and serve in an advisory capacity to the project manager. Depending on the number of simultaneous task orders issued, our preference is to have the applicable team leaders also serve as active members in task order delivery and in responsible charge. **This model ensures capacity for multiple simultaneous task orders without delays or resource conflicts.**

METHODOLOGY

Waggoner uses the LADODT Project Delivery Manual (PDM) as the foundation for all project execution, enhanced by internal processes that improve efficiency, communication, and quality.

- **Scope and Task Development:** Immediately after task order assignment, Waggoner will work with the LADODT PM to develop the scope. This includes defining purpose and need. We will work with the PM to develop a blank manhour spreadsheet, sheet count, and conceptual schedule. Any NEPA or Stage 0 requirements will be discussed, and a Stage 0 Preliminary Scope and budget checklist completed. This early coordination ensures all parties are aligned with respect to goals, deliverables, and expectations. Once items are established, independent manhour estimates will be completed for negotiated fee determination.
- **Kick-Off Meeting/Pre-Design Planning Conference & Work Planning:** Once a NTP is issued, Waggoner and LADODT will hold a project kickoff

meeting. LADODT and Waggoner team members will walk through the scope, discuss the items listed in the Reconnaissance Evaluation/Pre-Design Planning Conference Form, determine milestone deliverable dates, and estimate LADODT review periods at each milestone. Design criteria, Stage 0 environmental constraints, and safety concerns will be discussed and documented. Any LADODT provided services will be requested at this time. All project points of contact with contact information will be collected and meeting minutes will be distributed.

The following addresses each enumerated item in Attachment A.

1. PROJECT MANAGEMENT

Robert Lear will be the overall contract manager, and work alongside with Alex Farr and Andrew Windmann, as PMs. The PMs will be responsible for meeting project delivery requirements and engage with subconsultants. PM duties include preparing monthly status reports to accompany invoices, developing and maintaining project schedules, and preparing internal work plans to meet each milestone. Robert, Alex and Andrew, have commendable experience managing LADODT projects, particularly utilizing their technical and management skills to efficiently deliver projects on time and within budget.

- **Project Meetings:** Our PM and LADODT PM will schedule, attend and facilitate all meetings. Relevant team members will be invited, agendas prepared ahead, and meeting minutes provided within 48-72 hours.
- **Value Engineering (VE) & Cost Schedule Risk Assessments (CSRA):** Waggoner has participated in CSRA for major projects such as the I-10: LA415 to Essen CMAR Project. The Waggoner team takes a comprehensive approach to VE and CSRA. We first develop a study plan before VE, which aims to provide valuable information about the project background, the scope of work, and logistical details. We then identify high-cost areas of the project and develop less expensive solutions that meet the project's purpose and needs while retaining feasibility. Any VE or CSRA will follow FHWA's Consultant-Led CER Guidance.
- **Project Management Plans (PMP):** A PMP will be developed for every task order with the goal of submitting a project that is comprehensive, realistic, deliverable, and endorsed by all team members. This includes the overall schedule, key personnel, budgets, scope of work, responsibility matrix, deliverables, QA/QC forms, checklists, project-specific Design Quality Plans, and communication protocols. Internal project SharePoint sites will be established for team collaboration and file sharing. All deliverables to LADODT will be transmitted via ProjectWise by the project manager. It is assumed that a design-bid-build project will follow the standard milestone deliverables established by LADODT.
- **Initial Financial Plans:** FHWA approved Financial Plans have been prepared. These plans are required for projects with cost from \$100M to \$500M or TIFIA funded projects and include annual updates. Waggoner prepared IFPs for the I-10 Lafayette projects shown in Section 17.
- **Grant Applications & Agreements:** The Waggoner team will support LADODT throughout the full grant lifecycle, from pre-award planning

through application, award, and closeout. Our offerings solve shared mission needs across multiple coordinating agencies while incorporating unique business and regulatory processes for grant programs. Waggoner previously assisted with FASTLANE grants for I-10 Lafayette Widening (Section 17), TIFIA loan and TIGER grant applications for LA1 in Lafourche Parish. DRMP has extensive experience in acquiring funding and managing state and federal incentive, emergency, and disaster federal grant programs, as well as vast knowledge of state and federal grant programs, particularly those subject to the Office of Management and Budget's Uniform Guidance (2 CFR 200). DRMP, Horrocks and Alta's experience in obtaining funding for state and local governments has included the Federal TIGER/RAISE/BUILD grants, SMART grants, ROUTES grants, the Federal Transit Administration Grant Program, the Highway Safety Grant Program, and Pedestrian and Bicycle Funding Opportunities.

- **Miscellaneous Project Agreements:** Waggoner has assisted LADODT in preparing project agreements such as Memorandums of Understandings (MOUs) with stakeholders, and Cooperative Endeavor Agreements. Our DRMP, Horrocks and Alta partners have performed this task for several local and state agencies as well.

2. QC REVIEWS/PEER REVIEWS

Miles Williams, PE, and Jason Crain, PE, lead our QA/QC program, with assistance from subject matter experts throughout the US. With our collective expertise in bridge, road, traffic, and geotechnical design, the Waggoner team will focus on design elements, constructability, and serviceability during Quality Control and Peer reviews. Spanning the country, the Waggoner team has unique insights into lessons learned and best practices from across the states. We will leverage this experience in our reviews and deliver effective solutions to produce high-quality finished products for LADODT. This practice will be incorporated on independent peer reviews of design and calculations performed by others as well as reviewing conformity of the construction specifications (standard, supplemental, or special provisions) with the plan set to ensure LADODT and the public receive safe, durable, and high-quality final products. Waggoner currently provides this service to East Baton Rouge Parish for major engineering programs.

3. ENVIRONMENTAL AND PERMITTING SERVICES

Our team is committed to protecting and enhancing environmental, scenic, historic, and natural resources, supporting each project with meticulous documentation. Eric Jefferson, PE, AICP, PTP (Waggoner) and George McLatchey, PWS, CEP (DRMP) lead our environmental and permitting team. They will be involved in all projects requiring this service.

- **NEPA Support:** Our services include a full range of NEPA document preparation, including programmatic categorical exclusions, categorical exclusions, environmental assessments, and environmental impact statements. Compliance with NEPA and other environmental laws, rules, and regulations will be guided by LADODT's Stage 1 process described

in the 2022 Manual of Standard Practice and the 2025 Environmental NEPA Checklist. We have prepared NEPA documentation for federally funded transportation projects throughout the United States.

- **Permit Applications:** Waggoner has successfully prepared, coordinated, and secured a wide range of federal, state, and local permits for transportation and infrastructure projects. Our experience includes USACE Section 10/404 permits, LA Departmental of Conservation and Energy coastal use permits, USCG bridge permits, water quality certifications, CPRA coordination and approvals, letters of no objection, wetland delineation and technical reports, and other environmental and regulatory documentation required to support project delivery.
- **Mitigation Compliance:** Waggoner prepares and coordinates mitigation-related documentation, including Compensatory Mitigation Plans, Monitoring Plans, and Monitoring Reports. Our team also incorporates permit commitments and environmental commitments into project design and construction documents to support regulatory compliance throughout project delivery.
- **Material Sampling & Testing:** The Waggoner team offers exceptional environmental and construction materials testing services for transportation departments, state and local governments, federal agencies, and special districts throughout the US. Successful materials testing and reporting require a knowledgeable, dedicated, and responsive testing staff. We have several certified materials testing labs throughout the western United States, providing flexibility to implement material testing services. Our laboratory staff provides construction materials testing for soils, aggregates, concrete, and bituminous products, including HMA, SMA, and BWC. Access to our in-house labs provides faster turnaround times for test results, allowing the contractor to adjust and keep projects on schedule.

4. TRAFFIC ENGINEERING & DESIGN SERVICES

Brin Ferlito, PE, PTOE, and Laurence Lambert, PE, PTOE, PTP (Vectura) will lead our Traffic Engineering Services team. They will be involved in all projects requiring this service. They have years of experience providing Traffic Engineering Services to LADODT, and both have taken the LADODT Traffic Engineering Process and Report course.

- **Traffic Data Collection:** Data collection will be performed in accordance with procedures and specifications included in the LADODT Traffic Engineering Manual, ITE Manual of Transportation Engineering Studies, MUTCD, FHWA Traffic Monitoring Guide, Highway Capacity Manual, and The Manual of Transportation Engineering Studies (2nd Edition). Data collection includes counts for 24-hour volume and classification, turning movements, peak hour, ADT, bicycles, and pedestrians, to name a few. We utilize the latest technology and rigorous QA/QC processes to provide highly accurate datasets.
- **Traffic Modeling & Analysis:** Waggoner has experienced transportation

engineers well-versed in traffic models used by LADODT to analyze complex alternatives. We utilize TranPLAN, TransCAD, CORSIM, VISSIM, HCS, Sidra, and Synchro to analyze and compare alternatives. Our Vectura traffic discipline leads have a complete understanding of how to format traffic-related studies and reports in accordance with LADODT standards.

- **Traffic Control Analysis:** Waggoner has experience preparing traffic control analyses for applications such as Intersection Control Evaluations, Access Management, and Queue Analyses in accordance with LADODT EDSMs and policies. We have experience with FHWA Cap-X tools, Safety Performance for Intersection Control Evaluation (SPICE) tools, Sidra, Vissim, and HCS software. Traffic signal design, operations, equipment, signs, inventory, and signal plans are prepared according to LADODT's Signal Manual.
- **Intersection Control, Signing & Pavement Marking Design:** Waggoner's traffic and road design team are trained in applying the MUTCD, LADODT Pavement Marking Manual, LADODT Sign Manual, and standard plans. This includes regulatory, warning, guide, and construction zone signing, temporary and permanent pavement markings, and signalization.
- **Geometric Design & Reviews:** Waggoner's staff has successfully delivered complex geometric projects to LADODT, and has staff trained in the application of the 2017 LADODT Minimum Design Guidelines, the AASHTO Green Book, the Roadside Design Guide, the LADODT Road Design Manual, the LADODT Complete Streets Manual, the LADODT EDSMs, the MUTCD, and various AASHTO and NCHRP reports. Our team will work with various disciplines to ensure the proper design criteria are applied and documented.
- **Transportation Management Plans:** Waggoner follows the requirements of EDSM VI.1.1.8 for TMP development. We will coordinate with LADODT to obtain traffic volume and safety data to perform safety analysis and alternative route analysis. If data is unavailable, we will follow the Traffic Study Scope of Services outlined on the LADODT website. Along with specifying the correct TTC details, the traffic team will coordinate with the bridge/road designers on a Work Zone Impact Management Strategy document to minimize risk and delays to the traveling public.
- **Develop Access Justification Reports, IJR's, & IMR's:** Waggoner's lead for traffic engineering services has prepared Access Justification Reports for LADODT, including Interchange Justification Reports (IJRs) and Interchange Modification Reports (IMRs). Our transportation engineers have the requisite knowledge and tools to develop deliverables that will address the FHWA 8 Policy Points needed for approval.

5. SURVEYING SERVICES

Paul Fryer, PE, PLS (Lazenby), Ross Wilson, PLS (Forte and Tablada), and Jace Ricard, PLS (Waggoner) lead our surveying team. They understand the processes and delivery requirements as outlined in the LADODT Location & Survey Manual (Oct. 2023) and Addendum A (Oct. 2024).

- **Topo, Bathy, Boundary Surveys:** All surveys begin with control surveys. Horizontal and vertical precisions and control standards will meet or exceed LADODT requirements, and the appropriate datums, projections, and geoids will be defined. Control sketches will be approved by LADODT prior to the commencement of topo/bathy/boundary surveys. Data collection will utilize RTK, robotic total stations, or 3D LiDAR Terrestrial Scanning methods, as appropriate, to ensure proper accuracy. Digital levels are used to establish vertical control at TBMs. The LADODT Feature Code Guidebook will be used to code all data and attributes. Lazenby, Forte, Tablada, and Waggoner have extensive experience performing and collecting bathymetric survey data of lakes, streams, and rivers to determine underwater features, channel depths, water body depths, locations of debris and tree stumps on lake bottoms, and bottom profiles using single-beam and multibeam equipment. Our survey crews have the experience required to access and navigate shallow marshes and water bodies by boat.
- **Drainage Maps:** Drainage maps will be prepared by overlaying the preliminary design limits onto an aerial/topographic map. All drainage structures within design limits will be surveyed for location, type/size, and inverts obtained as part of the normal topographic survey. Drainage structures that fall outside the limits but within 300 feet will be located for size/type and inverted by a crew assigned to drainage structures only. The drainage structures that fall outside the 300-foot buffer but within the drainage area limits will be surveyed only for type and location.
- **Right-of-Way Maps & Title Work:** Once final alignments are established, we will begin to obtain title reports, if not provided by LADODT, for affected properties for inclusion in the ROW maps. We will begin the Base ROW maps in accordance with LADODT standards. Final ROW maps will be produced within 45 days of authorization to proceed, typically after the JPR meeting. All the ROW mapping, title takeoffs, title reports, and property surveying will be in accordance with LADODT standards.

6. SUE & UTILITY RELOCATIONS

Josh Renard, PE (Waggoner) will lead our SUE/Utility team. **Waggoner has served as the prime consultant on multiple LADODT IDIQ contracts for SUE Services since 2017** and has performed all the services identified in the advertisement scope of work.

- **SUE Quality Levels A-D:** Waggoner owns the following software and equipment to perform Quality Levels B and A SUE Services:
 - **Ground-Penetrating Radar:** Leica DS2000 4-wheeled radar utility detector with CT2000G controller. Dual antenna 250MHz and 700 MHz frequencies.

- **Telecom Toner and Wand:** Radio detection RD8100 has the capability to add specific frequencies to dial into a telecom utility's specific locating frequency.
- **Electromagnetic Pipe and Cable Locating Equipment capable of both passive and active means of detection:** Radio detection RD8100 has both passive and active means for detection with multiple frequencies and power filters to eliminate noise and interference.
- **Vacuum Truck:** Atakapa Services, a Waggoner partner firm, has multiple vac trucks available to support all Quality Level A test holes and site restoration services needed for this contract.

Waggoner uses a systematic approach to SUE. We hold conversations with the LADODT, the design team, and utility owners early in development to identify constraints and requirements. Existing utility maps or permit drawings are used to depict QL-D, and all visible above-ground features collected in surveys are presented to identify critical areas. QL-B designations and QL-A locates are performed in accordance with ASCE38-22 and LA 811 requirements.

- **Utility Conflict Matrices:** Waggoner prepares utility conflict matrices to guide the utility coordination process. Conflict points are identified, appropriate locating methods are recommended, and the final disposition/ resolution of conflicts is determined using this form.

7. GEOTECHNICAL ENGINEERING SERVICES

Ardaman specializes in geotechnical engineering consulting, including field and laboratory investigations, foundation evaluation and design, geotechnical performance monitoring, and construction quality assurance inspection and testing. Their addition brings a wealth of experience in the transportation and infrastructure arena with our 40-year relationship with LADODT and multiple other agencies and industries. Ardaman maintains offices in Baton Rouge, New Orleans, and Shreveport, Louisiana.

- **Field Investigations & Analysis:** Ardaman performed numerous subsurface investigations for new and/or existing transportation structures, many of which include field reconnaissance (rights of entry, utility locations, access, GPS location, elevation determination, mobilization/ demobilization), water table elevations, deep soil borings, shallow roadway borings, cone penetrometer test soundings, field resistivity imaging, geotechnical laboratory testing, development of field and laboratory results database, geotechnical analysis and design (slope stability, embankment settlement, pile foundations, drilled shaft foundations, pile-supported approach slab design, bridge foundation static and dynamic load test programs, earth retaining structures and culvert design), construction monitoring and geotechnical instrumentation installation and monitoring including developing programs detailing duration of reading, and installing and monitoring piezometers, inclinometers, Shape Accel Arrays, settlement monitoring devices and other geotechnical instrumentation in all types of surface and subsurface conditions.
- **Laboratory Testing Services:** The Ardaman Baton Rouge laboratory is accredited by AASHTO for methods under both AASHTO Materials

Reference Laboratory and Cent and Concrete Reference Laboratory, validated by the USACE, and accredited by the Louisiana Environmental Laboratory Accreditation Program through the Louisiana Department of Environmental Quality. Ardaman's geotechnical testing laboratories are operated under a certified quality assurance system implemented and maintained by engineers serving as onsite QA officers. All laboratory data undergoes quality control checks and is then processed electronically to generate soil boring logs and gINT database files in the standard LADODT format. Their laboratories have the capability to perform all anticipated laboratory tests for a typical task order under this contract.

- **Construction Monitoring:** Recently, Ardaman has provided construction monitoring of multiple transportation projects. Our Louisiana engineering staff has been trained to use the Pile Driving Analyzer, Wave Equation Analyses, oversight and interpretation of static load tests, development of pile driving criteria, and an inspector's chart based on the test or monitor piles and selecting final pile tip elevations based on results of load tests and/or dynamic monitoring results. Our staff is also trained in drilled shaft foundation inspection, including reviewing the Contractor's Installation Plan and overseeing excavation and completion of required LADODT forms. Megan Bourgeois, PE, and Chae Hrenyk both completed the National Highway Institute's (NHI) Drilled Shaft Inspector's training course and are certified in the full scope of inspection of the construction of drilled shafts.

8. ROADWAY DESIGN & HYDRAULIC ENGINEERING SERVICES

Alex Farr, PE (Waggoner) and Bryan Harmon, PE (Waggoner), will lead our roadway design and hydraulic engineering team.

- **Hydraulic Analysis & Design:** LADODT's Hydro Win software and LADODT's Hydraulics Manual will be the primary tools for hydraulic design on typical roadway projects. We also have experience running detailed 1D and 2D HEC-RAS models for various applications, including watershed modeling and bridge hydraulics, as well as other FHWA Hydraulic Toolbox programs.
- **Type, Size, Location Parameters for Drainage Structures:** Waggoner's water resources specialized engineers and designers have expertise in understanding LADODT's drainage structure standard plans for catch basins, headwalls, wingwalls, conflict boxes, etc. They understand LADODT's design criteria for storm selection, Design Flood Stage, minimum roadway elevations, construction clearance requirements, scour, and erosion control.
- **Project Design Criteria:** The LADODT Minimum Design Guidelines serve as the basis for all roadway projects. Waggoner will prepare Design Reports for each functional class of roadway on each project. We have experience preparing Design Waivers and Design Exceptions where applicable. All design reports, waivers, exceptions, and selected road design guidance from manuals, EDSMs, NCHRP reports, standard plans, etc., are documented in the Project Design Notebook & Calculations.
- **Roadway Design:** Waggoner has provided roadway plans for LADODT for over 30 years. We use MicroStation, InRoads, and CADCONFORM

to design and produce plans and calculations. We use Open Roads for other State DOTs and government clients. We know LADODT's preliminary and final plan delivery requirements and milestones as shown in the Road Design Manual. For a typical road design, the preliminary plan phase focuses on establishing horizontal and vertical geometrics, typical sections, drainage design, cross sections, and the conceptual sequence of construction components. The final plans phase provides detailed drawings and quantity computations. The LADODT Road Design Manual, AASHTO Green Book 2018, Roadside Design Guide, LADODT Hydraulics Manual, and accepted LADODT reference material will be used to guide the design process. Our team includes Lazenby, who has a long-standing relationship with LADODT Road Design, and Alta who brings a specialized experience for non-motorized users. Alta is nationally recognized for its pedestrian and bicycle facilities, trails, and greenways, pioneering active transportation.

9. BRIDGE DESIGN SERVICES

- **Bridge and Structural Evaluations:** Structural-related task orders will be prioritized and tailored to ensure that the appropriate staff is available to execute the task order scope proficiently and expeditiously as needed. Bridge-related task orders under this contract will likely include priority repair/rehabilitation projects requiring immediate attention under tight time constraints. Our multidisciplinary team offers experience locally, regionally, and nationally across a wide range of bridge and miscellaneous structure designs, making us well qualified to provide the structural services to develop bridge and structural solutions. Once field information is gathered, we will evaluate the current load-carrying capacity of the superstructure and substructure components, factoring in the condition of the bridge ascertained in the field. Based on this analysis, we will propose a scope to reestablish a minimum desirable capacity, if feasible and practical. For the final deliverable, we will submit a comprehensive bridge evaluation report, prepared in accordance with the Bridge Design Section's Design Policy for Bridge Rehabilitation/Repair Projects in BDEM Part I, Chapter 6. We will adhere to the procedures prescribed in this policy to summarize the evaluation results and recommended actions.
- **Bridge Load Ratings:** Waggoner will create LRFR current-condition bridge ratings for the bridge components in accordance with AASHTO Manual for Bridge Evaluation, BDEM Part II, Volume 5 - Bridge Evaluation/Rating, and applicable BDTMs. The rating provided will depend on the service. Current condition load ratings will be provided for existing bridges, either as a stand-alone analysis or part of a rehabilitation evaluation. As-designed load ratings would be provided for new bridge structures and would subsequently be followed by as-built load ratings that capture the actual constructed bridge or bridge rehabilitation action. These load ratings will be summarized in a final report that includes the completed load rating summary sheet, site details, and all supporting calculations.

- **Bridge and Structural Analysis & Design:** We will perform load analysis and prepare complete, accurate design calculations for any structural component required under this contract, all in accordance with the latest versions of the AASHTO LRFD Bridge Design Specifications, as amended and supplemented by the BDEM and applicable BDTMS. This includes reinforced concrete structural components (culverts, slabs, bridge decks, foundation elements, walls), prestressed and post-tensioned precast concrete elements (girders and segmental superstructure and substructure elements), and steel components seen on longer span bridge crossings or crossings having geometric features that are not suitable for concrete applications. Waggoner will provide structural analysis and design for highway sign/light/ITS support structures; highway safety hardware; roadway (and bridge) barriers; and retaining/sound walls. These designs will adhere to the available AASHTO specifications or guide specifications.
- **Conceptual/Feasibility Studies for Major Projects:** Waggoner is well-positioned to provide early-stage conceptual studies, layouts, and cost/economy comparisons that may be requested by the Critical Projects Section. Our team's breadth of experience across the country allows us to apply lessons learned from previous projects at the onset of project planning. As the impact on traffic and overall construction time is often a major evaluation and decision point, our team can leverage our experience with Accelerated Bridge Construction (ABC) techniques to provide LADODT with alternatives to conventional construction details. This innovative approach includes intrinsic benefits in safety, quality, durability, social costs, and environmental impacts, all of which ultimately result in construction, time, and operating costs to the Department and the public. Furthermore, the Federal Highway Administration has encouraged states to dedicate 20% of bridge funding towards ABC.

10. PLAN DEVELOPMENT & LETTING SUPPORT SERVICES

- **Preliminary & Final Plan Preparation:** The preliminary and final plan development process typically follows the Road Design Tasks for Completion Milestones chart shown in Figure 1-03 of the LADODT Road Design Manual. Milestone submittals will be made at the 30%, 60%, 90%, and 100% Preliminary Plan stages and at the 60%, 95% and stamped/signed 98% Final Plan stages. These submittals will include plans and associated calculations.
- **Required Documentation:** All required documentation, including review comments and responses, QA/QC certifications, Constructibility Review Forms, Opinions of Probable Construction Cost (OPCC), and calculations, will be submitted with each appropriate delivery milestone. A final OPCC will accompany the final plan submittal, including all required special provisions and NS-Item specification write-ups.

Key Milestones:

Pre-Design Tasks	Conduct project team site visits, initiate Stage 0 environmental checklist or NEPA requirements, begin control and topographic survey, initiate existing drainage map, initiate data collection for traffic data, initiate geotechnical data collection, including cores, shallow borings, and deep borings
30% PP	Prepare geometric design, establish typical sections and pavement design, and begin utility conflict matrix.
60% PP	Address comments from 30% PP submittal, establish horizontal and vertical geometry, design drainage, preliminary bridge concept, sequence of construction, and cross sections. Initiate property survey.
95% PIH	Address all comments from previous submittals, review for constructability, finalize ROW, and complete preliminary QA/QC checklist. An opinion of probable construction costs and a detailed pay item list are included.
100% PP	Address comments from the plan-in-hand meeting, finalize property survey and base ROW maps, and create permit sketches.
60% FP	Finalize the typical section, roadway geometrics, drainage design, and required right-of-way-taking lines, and include the quantity summary tables in the plans. Detail sheets include geometric details, joint layouts, graphical grades, permanent pavement markings, permanent signing, traffic signal plans, structural details, and final drainage calculations.
Joint Review	Meet with the LADODT Location & Survey section and the ROW consultant to finalize the ROW maps.
95% FP	(Advance Check Prints) Final plan review meeting with project team, bridge design and complete details, final QA/QC checks, final constructability/biddability review.
98% FP	Address comments from the final plan review meeting, prepare full-sized sealed plans, final calculations, files, special provisions, and final construction cost estimate for submission to LADODT.
100% FP	Complete all final plans, specifications, and estimates, transmit plans to the general files, and set the letting date.

*The Waggoner Task Order Project Manager will facilitate the Plan-in-Hand and Final Plan Review meetings. Typically, LADODT Location and Survey section facilitates Joint Plan Review meetings, however we will support and assist them with scheduling and summarizing the minutes of this and any other meetings held under this contract.

- Letting Support Services:** Once the project is ready for bids, we will provide responses to Contractor questions submitted via the Falcon/WebSuite site. If questions require plan revisions, we will update the affected sheet(s) in accordance with EDSM No. I. 1.1.28 - Procedures for Final Plan Transmittal and Final Plan Modifications, including Plan Revisions and/or Plan Changes Resulting from Change Orders. We understand the time-sensitivity of responses and will strive to provide quick, yet thorough replies once we are made aware of any new inquiry.

11. CONSTRUCTION SUPPORT

We plan to keep our project managers and discipline leads involved with the project into the construction stage. This includes working with the LADODT Project Manager, the District personnel, and the CE&I consultants to address RFIs, assisting with solutions to unforeseen field conditions, reviewing contractor project submittals, and preparing plan changes when necessary. Some anticipated construction submittals include fabrication drawings for structural components, product selections, and value-engineering proposals. We will review each of these submittals to ensure conformity with the contract plans and specifications. These reviews will adhere to our internal QC/QA procedures, just as our production processes do.

Waggoner has provided construction-related engineering support for several projects, including design-bid-build and design-build projects. Having experience on some of the Department's largest construction projects, we have already demonstrated and will continue to strive for a strong partnership with the client and contractor throughout the construction timeframe.

Name	Duration (days)	2027				2028				2029			
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Road Design Schedule	908												
Project Kickoff and Initiation	45												
Preliminary Plans	439												
60% Preliminary Plans	210												
60% DOTD Review and Comment	28												
90% Preliminary Plans	120												
90% DOTD Review and Comment	21												
100% Preliminary Plans	60												
Environmental Clearance	90												
Final Plans	379												
60% Final Plans	180												
60% DOTD Review and Comment	21												
95% Final Plans	90												
95% DOTD Review and Comment	28												
98% Final Plans (Signed and Sealed)	60												
Final Calculations, Files, Load Rating Report	60												

12. OTHER SERVICES

- **Tolling Implementation & Design:** Our team has the experience and capabilities to implement intelligent tolling systems proven to address pressing industry challenges, including fare collection, road condition monitoring, incident detection, and rule enforcement. Implementing these intelligent systems minimizes revenue leakage through up-to-date automated systems and provides a better user experience by offering price-guarantee strategies. The Waggoner team is well versed in the design, construction, and implementation of these systems.
- **ITS Design and Services:** Our partners, DRMP, Inc., have extensive experience with ITS management, operations, and maintenance engineering and inspection. They will incorporate their knowledge of designing and maintaining ITS as it is needed on specific projects. ITS Design will take into consideration the following: new or existing fiber routing and system equipment, potential Utility Make Ready (UMR) work, existing slack fiber, system architecture, existing or new CCTV, splicing, and access to new or existing signal cabinets. As a part of the design process, contract documents are prepared, including Project Special Provisions, Quantity Estimates for Bid items, and the Engineer's cost estimate.
- **Roadway Lighting:** Roadway lighting services will mainly adhere to the procedures and standards established in LADODT's "A Guide to Constructing, Operating, and Maintaining Highway Lighting Systems" document. Existing lighting system designs/retrofits will be governed by the original agreements and subsequent amendments. We have experienced personnel in the planning, design, operation, and maintenance of roadway/pathway illumination, as well as the electrical design requirements necessary to provide increased visibility, better obstacle recognition at higher speeds, and greater driver comfort, resulting in more efficient traffic flow, greater user security, and economic growth.
- **Aesthetic Lighting:** Aesthetic lighting is typically desired on bridges in urbanized areas to create a visual focal point in locations otherwise dominated by standard blank streets and building lighting. Points of emphasis will focus on driver safety while creating a bold, memorable look consistent with other color schemes used in the community. The Waggoner team offers both civil and electrical engineers well-versed in context-sensitive solutions and lighting design.
- **Graphic Design & Presentation Material Development:** Waggoner has experience in developing graphics and presentation materials for several LADODT projects. This includes roll plots, audio-visual presentations, handouts, public notices, event venue planning and logistics, and transcripts. We focus on presenting information in a format that enhances the user experience and engagement.
- **Public Relations & Community Advisory Services:** Emergent Method is a nationally recognized management consulting firm focused on developing and implementing plans, programs, and initiatives that deliver transformative impact.

- **Alternate Delivery:** Alternative delivery methods are used to address complex engineering challenges or constraints related to a project's risk, schedule, or budget. Waggoner, DRMP, and Horrocks have extensive experience in using alternative delivery methods to help owners manage these challenges and constraints. As the program manager, designer, or independent quality firm, we will partner with LADODT to achieve successful project outcomes through Construction Manager/General Contractor, Construction Manager at Risk, Design-Build, or Progressive Design-Build delivery methods. We have the following LADODT alternative delivery experience:
 - **Design-Build: I-10:** Highland to LA73 (Lead Designer), I-20/I-220 Interchange at Barksdale Air Force Base (Lead Road Design), and I-10/I-12 College Flyover Ramp (CE&I/OV Team Member).
 - **CMAR:** I-10: LA 415 to Essen Lane (COREX10 Design Team Lead Road Design). Horrocks is providing a LADODT advisory role and meeting facilitation for partnering.
 - **Public Private Partnership:** Belle Chasse Bridge & Tunnel Replacement (Drainage Design and Independent Technical Reviews).

Horrocks is well-versed in Transportation Infrastructure Alternative Delivery, especially in progressive design-builds. Horrocks was the lead designer for the first PDB delivery in Utah and has since successfully delivered several other major projects with this method.

Waggoner - DRMP - Horrocks - Alta Trilon has worked on more than \$17.5B in construction value on alternative delivery jobs.	
	Design Firm or Owner Verification Firm for five DOTD alternative delivery projects (design-build/cmar/public private partnership) valued at \$1 Billion in construction value.
	Lead Design Firm for 20 design-build projects in Florida valued at \$1.5 Billion in construction value.
	Lead Design Firm for alternative delivery on more than \$15 Billion total alternative delivery in construction.
	Alta is a national leader in active transportation best practices, technical assistance, grant support, and a strong record of project delivery and client satisfaction.

"Waggoner's performance throughout the early stages of this project has been excellent. In addition to the deliverables, they were extremely helpful during the CMAR procurement process and supplied LADOTD with various drawings, presentations, etc. to use during our meetings with the potential CMAR contractors. They were also very cooperative and understanding when the project was changed from CMAR to design-bid-build and they worked with LADOTD on refining the scope, estimates, and schedule."

Kurt Brauner, PE, LADOTD Project Manager

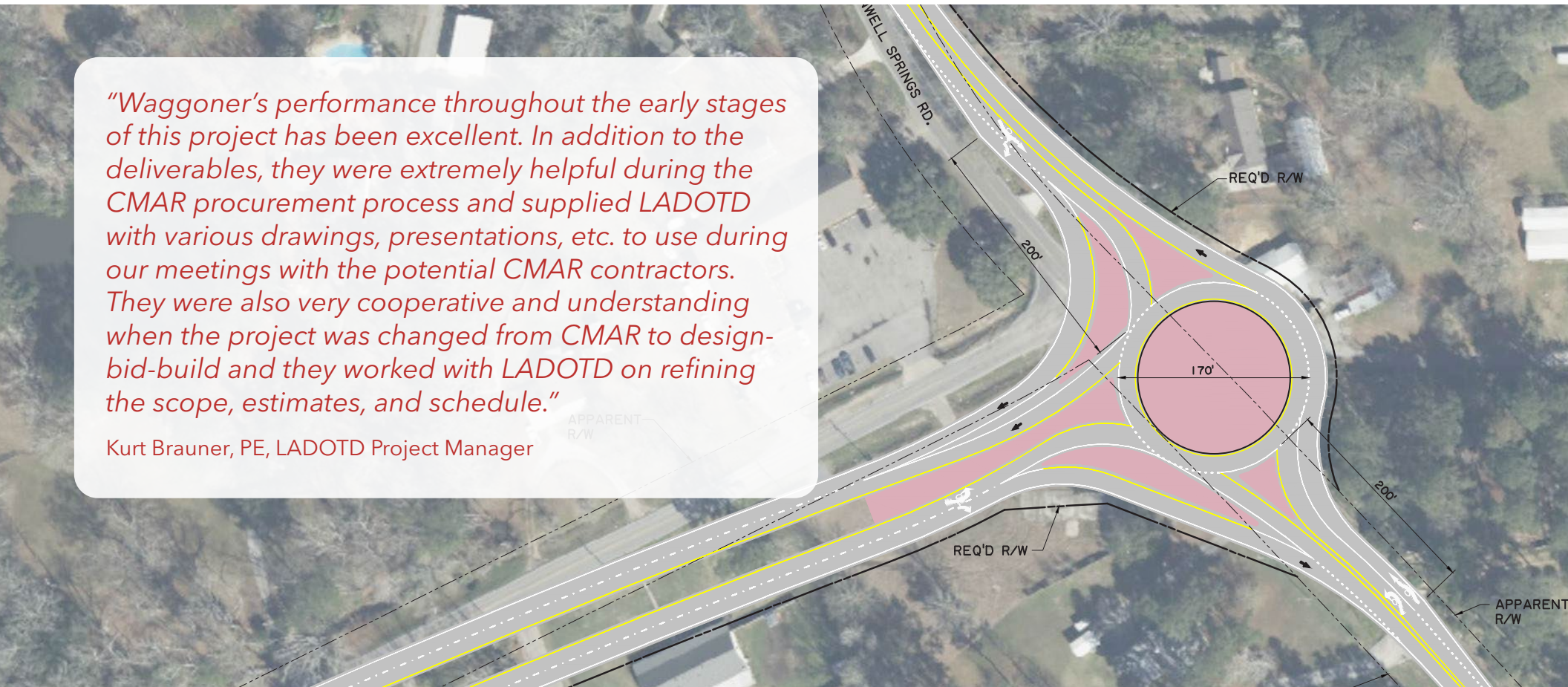
Section 19-23

Hooper Road Widening - LA 3034 - LA 37

East Baton Rouge Parish
H.009300

Waggoner Engineering, Inc.
Lead Design Firm

Past Performance Disciplines performed by Waggoner:
Road, Traffic, Other (Project Management)



19. WORKLOAD:

Firm(s) ALL FIRMS MUST BE REPRESENTED IN THIS TABLE	Past Performance Evaluation Discipline(s)	Contract Number and State Project Number	Project Name	Remaining Unpaid Balance
 WAGGONER	Road	44-19010, H.010652	LA 73: US 61 (Airline) - Essen Lane	\$2,349
		44-19010, H.010116	LA 1088: Soult and Trinity Roundabouts T.O. 3	\$288,702
		44-18646, H.004100	I-10: LA 415 to Essen Lane on I-10 and I-12	\$2,300,770
		44-24084, H.009300	CMAR Contract for Hooper Road Widening (LA 3034 - LA 37)	\$ 9,820
		44-32781, H.016795	LA 983: LA 984 - LA 416	\$45,033
		44-32781, H.016796	LA 404: LA 75 - LA 3001	\$61,871
	Bridge	4400029912 (4400019338)	Rural Bridge Replacement Initiative Phase II (South) (16 Project #s)	\$223,892
		4400029918 (4400025041)	IJA Off-System Bridge Program, District 62 (6 Projects)	\$20,502
		4400029197, H.016093	US 84: Grand Cane Bayou & Relief Bridges	\$106,644
		4400029197, H.016094	US 371: Brushey Creek Bridge	\$229,452
	Survey	44-32781, H.016795	LA 983: LA 984 - LA 416	\$25,720
		44-32781, H.016796	LA 404: LA 75 - LA 3001	\$57,097
	Other (Project Management)	4400029197, 69 Projects	IJA Off-System Bridge Project Management (7 Districts)	\$ 861,674
	Environmental	44-19379, H.013797	LA 30: EBR PL - I-10 (Environmental Assessment)	\$86,020
		44-19010, H.010116	LA 1088: Soult and Trinity Roundabouts T.O. 4	\$22,500
		44-29915, H.004526	LA 1: Leeville to Golden Meadow (Phase 2) Permitting	\$158,781
 DRMP	Environmental	440002919, H.0160963	US 84: Grand Cane Bayou	\$5,729
		4400029197, H.016094.5	US 371: Brushy Creek Bridge	\$22,554
 Horrocks.	Other (Alternative Delivery)	H.004100	LADOTD I-10 CMAR	\$133,506
 emergent method	Planning	4400027092	CURRENT Authority Support	N/A
	Other (Outreach, Engagement, Communications)	4400033750	Highway Priority Program Outreach and Engagement	\$53,000

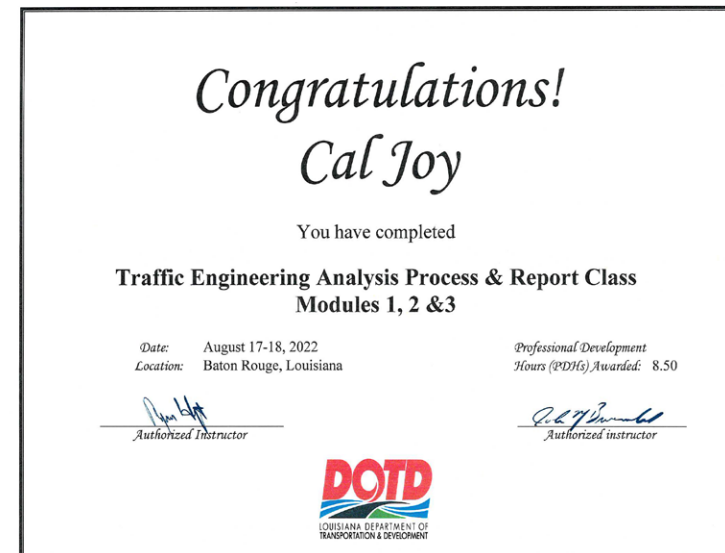
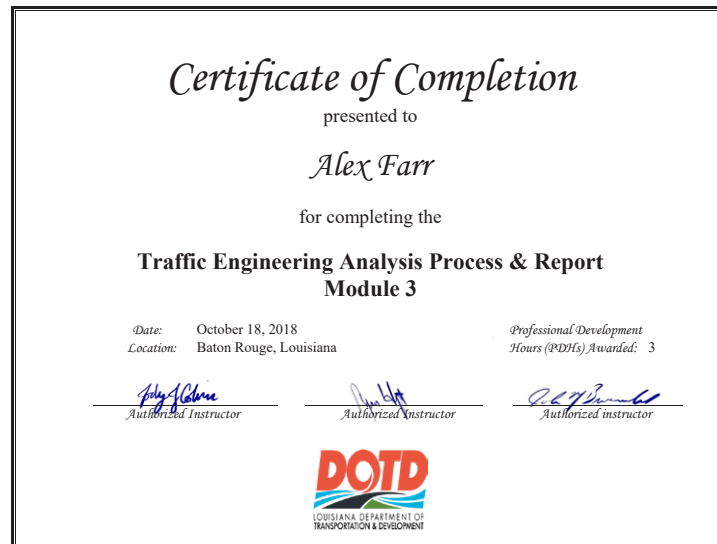
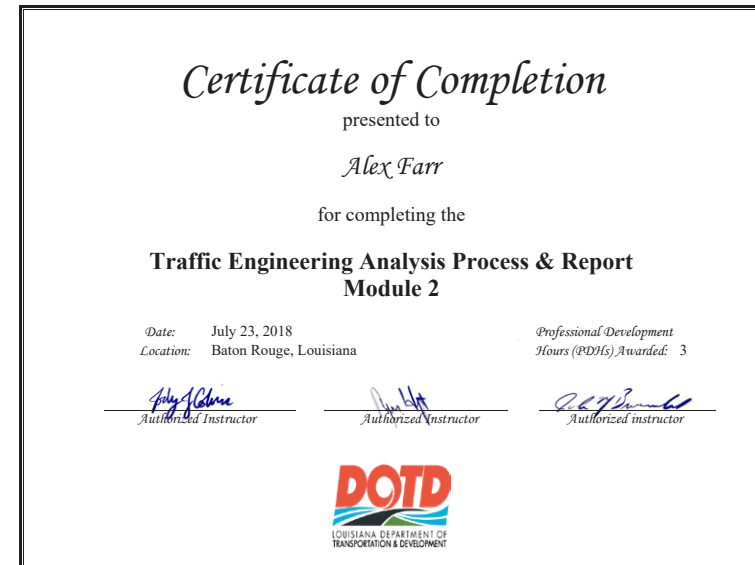
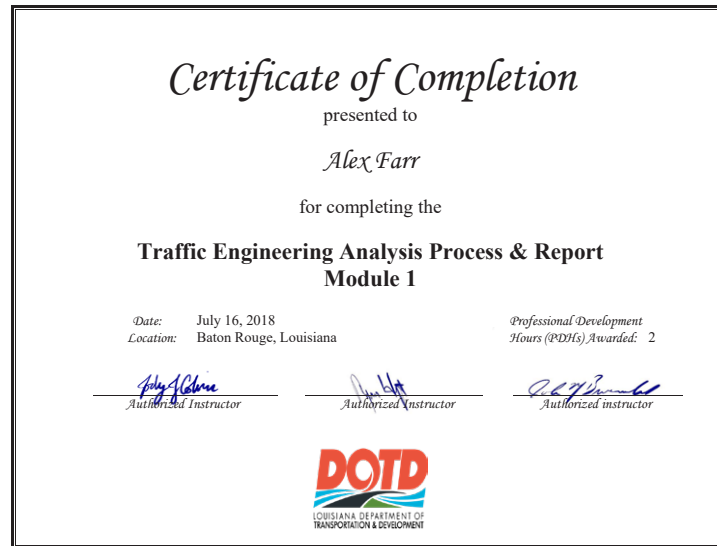
Firm(s) ALL FIRMS MUST BE REPRESENTED IN THIS TABLE	Past Performance Evaluation Discipline(s)	Contract Number and State Project Number	Project Name	Remaining Unpaid Balance
alta		N/A	N/A	N/A
FORTE & TABLADA	Road	4400024641/H.005734.5	LA 447 Corridor	\$ 300,449
	Bridge	4400021594/H.009859.5	Task Order No. 6 - Load Rate Selected Statewide Bridges	868,594
		4400021594/H.009730.5	Task Order No. 8 - In-Depth Bridge Inspections	110,464
		4400021594/H.015546.6	Task Order No. 9 - Caplis Sligo Road Over Red Chute	5,244
		4400021594/H.009859.5	Task Order No. 10 - Statewide Bridge Rating	862,237
		4400023921/H.015519.6	Task Order No. 5 - Smith Road over Red Chute Bayou	9,024
		4400024589/H.014990.5	OSBR S. Tiger Bend Rd & East Achord Rd Bridges	41,837
		4400013387/H.013137.5	OSBR Ouachita	23,249
		4400019864/H.014318.5	OSBR Gurney Road Bridges	4,708
		4400025037/H.014994.5	OSBR Bonne Idee Rd over Bonne Bayou	3,487
		4400024586/H.014981.5	OSBR Hosston River Road	5,689
	Survey	4400021594/H.011965.6	Task Order No. 2 - IWGO Bridge Rehabilitation (Drone)	\$47,688
		4400021532/H.010116.5	LA 1088: Sault & Trinity Roundabouts	\$22,187
		4400021532/H.012059.5	LA 19: Bridges near Zachary	\$19,490
		4400021532/H.013195.5	LA 98 Curve Realignment	\$6,464
		4400021532/H.005734.5	LA 447 Corridor Study	\$109,275
		4400021532/H.012563.5	LA 73: Bayou Manchac Bridge (HBI)	\$461
		4400027919/H.015587.5	LA 3211 @ Yokley Rd Roundabout	\$7,031
		4400021532/H.004100.5	I-10: LA 415 to Essen on I-10 & I-12	\$102,019
		4400031906/H.004791.6	LA 23: Belle Chasse Bridge & Tunnel (HBI)	\$174,018
		4400030630/H.015724.5	Kings Hwy: Healthcare & Dev Corridor	\$42,039
		4400025029/H.015341	D61(EBR) IJJA Off-System Bridge	\$53,978
		4400025029/H.015341	D61(EBR) IJJA Off-System Bridge - SA 3	\$9,113
		H.004100	I-10 Capital Corridor	\$4,240
		4400004128/H.004273.5	I-49 Connector Additional ROW	\$6,692
		4400031228/H.015469.5	Shreveport Pavement Program	\$44,235
	CE&I/OV	4400023837/H.013714.6	Valhi Blvd Shared-Use Path (Houma)	\$65,411

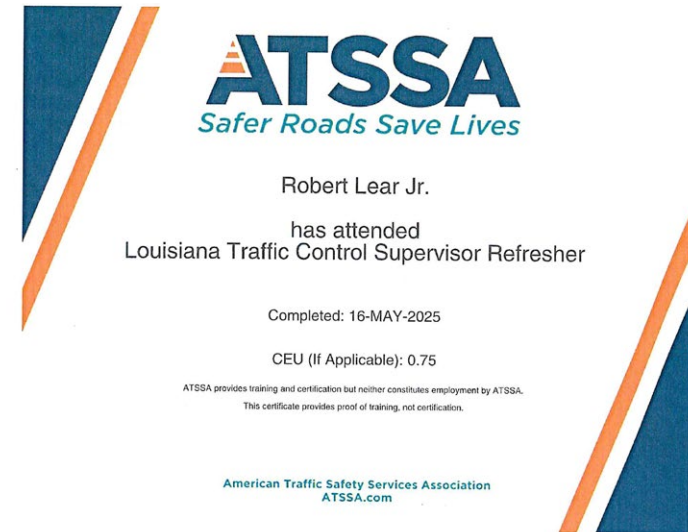
Firm(s) ALL FIRMS MUST BE REPRESENTED IN THIS TABLE	Past Performance Evaluation Discipline(s)	Contract Number and State Project Number	Project Name	Remaining Unpaid Balance
	Road	4400010428, H.004774.5 (L&A, Inc. 17E051.00)	Kansas-Garrett Connector & I-20 Improvements, Ouachita Parish (Road Design-Urban & Rural Design-Controlled Access) (99% Complete)	\$31,992
		4400026026, H.009837.5	LA 64: Roundabout @ LA 1019	\$93,726
		4400026026, H.015231.5	US 80 Roundabout @ US 80, LA 15 & LA 546	\$189,181
		4400026026, H.016037.5	LA 1138-1 & LA 1138-2: Corridor Improvements	\$359,901
		4400026026, H.015615.5	LA 14: Roundabout @ Corbina Road	\$209,916
		4400026913, H.015200.5	East Street & Parkview Drive Sidewalk	\$51,058
		4400026913, H.016208.5	Shephard St. Sidewalks	\$4,000
		4400026913, H.016192.5	US 425 & Arkansas St. Sidewalks	\$1,631
		4400026913, H.016204	Benton Road, Shed Road Sidewalks & KCS Crossing	\$196,385
		4400031585, H.016797.5	US 80 & US 167 Repairs	\$282,023
		4400031585, H.016563.5	LA 151: Claiborne P/L-LA 545	\$248,113
	Bridge	4400025025, H.015462.5	Pilgrim Rest Church Road Over Steep Bank Creek	\$4,050
		4400025025, H.015461.5	Firetower Road Over Rock Creek	\$4,150
		4400025025, H.015454.5	Keppler Creek Road Over Sugar Creek	\$4,150
		4400025025, H.015457.5	Olen Hughes Road Over Bayou Bonne Idee	\$8,446
		4400025025, H.015337.5	Mineral Springs Road Over Clark Creek	\$15,600
		4400025025, H.015459.5	Lapine Road Over Rogers Creek	\$1,050
		4400025025, H.015453.5	Hale Road Over Alligator Bayou	\$17,611
		4400025025, H.015456.5	Hodge Road Over Cypress Bayou	\$31,798
		4400025025, H.015452	Henderson Loop Road Over Wildcat Bayou	\$67,415
		4400021887, H.012047	US 167 Bridge & US 167 Bridge Relief Over Big Creek	\$165,918
		4400021887, H.012542	LA 114 Bridge Over Belle Deau Bayou, LA 107 Bridge Over Bayou Jack Relief	\$98,745
		4400021887, H.012543	LA 8 Bridge Over Big Creek	\$96,262
		4400021887, H.012544	LA 120 Bridge Over Creek	\$293,580
	Survey	4400021972, H.015641.5	US 165 Super Street (Deloach St.-White St.)	\$427,740
		4400021972, H.015640.5	LA 150 & LA 818 Roundabout	\$64,076
		4400021972, H.014054.5	I-69 FRTG RD CONN (Ellerbe Rd-LA 1)	\$13,084
		4400027916, H.009837.5	LA 64: Roundabout @ LA 1019	\$40,384
		4400027917, H.004825.5	LA 28: Widening: LA 3128 to LA 116	\$150,908
		4400027735,	Stonewall Fryerson to Ellerbe Road	\$474,190
		4400027687 H.008768.5	Hydrographic Surveying Monitoring (North Region)	\$24,485

Firm(s) ALL FIRMS MUST BE REPRESENTED IN THIS TABLE	Past Performance Evaluation Discipline(s)	Contract Number and State Project Number	Project Name	Remaining Unpaid Balance
	Geotech	44-4128, H.004273	I-49 Connector, Lafayette	\$740,206
		44-18899, H.004791	LA 23: Belle Chasse Bridge & Tunnel (HBI)	\$45,666
		44-19013, H.004100.5 & .6	I-10 CMAR Design Continuation: LA 415 TO ESSEN ON I-10 & I-12	\$925,025
		H.004435	I-12 to Bush Construction Phase	\$39,040
		44-8671, H.009266	I-10 Widening: LA 73 to LA 30	\$46,811
		44-17438, H.013284	MRB GBR LA 1 to LA 30 Connector	\$3,979
		44-6189, H.004647.6	I-20 Mississippi River Bridge at Vicksburg	\$1,270,473
		44-25025, H.015452, H.015453, H.015456, H.015458	IIJA	\$19,887
		44-21519, H.012030.5	KCS RR Overpasses US 371	\$39,877
		44-21887, H.012542, H.012453, H.012047	Replacement of 15 Bridges	\$240,616
		44-6189, H.016313.5, H.016314.5	Culvert Replacements	\$3,371
		H.015430	IIJA	\$3,192
		H.001798	LA 531: Bridges Near Dubberly	\$12,533
		H.016094	US 371: Brushy Creek Bridge	\$36,357
		H.016204	Benton Sidewalks & RR Crossing	\$8,550

	Traffic	4400025299, H.01564.5	LA 47 Hayne Blvd Safety Improvements	\$9,437
		4400018271, H.014746.5	LA 383 Stage 0 Corridor Study	\$20,146
		4400025299, H.014305	US 61: Cardinal Dr to Bert St	\$6,203
		4400026026, H.016037	LA 1138-1 & LA 1138-2: Corridor Improvements	\$142,847
		4400025299, H.016437.5	US 190: Wooddale to Livingston P/L Study	\$43,652
	CE&I/OV	4400025299, H.01564.5	EBR Computerized Traffic Signal, Ph VB	\$23,595

20. CERTIFICATIONS/LICENSES:







Cal Joy
has attended
Louisiana Traffic Control Supervisor Refresher

Completed: 14-MAR-2025

CEU (If Applicable): 0.75

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American Traffic Safety Services Association
ATSSA.com



Joshua Renard
has attended
Louisiana Traffic Control Supervisor Refresher

Completed: 16-MAY-2025

CEU (If Applicable): 0.75

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American Traffic Safety Services Association
ATSSA.com



Jace Ricard
has attended
Louisiana Traffic Control Supervisor Refresher

Completed: 14-MAR-2025

CEU (If Applicable): 0.75

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Name	Type	City	Status
WAGGONER ENGINEERING, INC.	Business Corporation (Non-Louisiana)	JACKSON	Active

Previous Names

Business: WAGGONER ENGINEERING, INC.
Charter Number: 34954531F
Registration Date: 6/16/2000

Domicile Address

143 A LEFLEURS SQUARE
 JACKSON, MS 39211

Mailing Address

143 A LEFLEURS SQUARE
 JACKSON, MS 39211

Principal Business Office

143 A LEFLEURS SQUARE
 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
 BATON ROUGE, LA 70801

Status

Status: Active
Annual Report Status: In Good Standing
Qualified: 6/16/2000
Last Report Filed: 5/30/2025
Type: Business Corporation (Non-Louisiana)



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Name	Type	City	Status
DRMP, INC.	Business Corporation (Non-Louisiana)	ORLANDO	Active

Previous Names

Business: DRMP, INC.
Charter Number: 45281809F
Registration Date: 2/23/2023

Domicile Address

941 LAKE BALDWIN LANE
 ORLANDO, FL 32814

Mailing Address

941 LAKE BALDWIN LANE
 ORLANDO, FL 32814

Principal Business Office

941 LAKE BALDWIN LANE
 ORLANDO, FL 32814

Registered Office in Louisiana

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

Principal Business Establishment in Louisiana

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

Status

Status: Active
Annual Report Status: In Good Standing
Qualified: 2/23/2023
Last Report Filed: 4/8/2026
Type: Business Corporation (Non-Louisiana)



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Name	Type	City	Status
HORROCKS ENGINEERS, INC.	Business Corporation (Non-Louisiana)	PLEASANT GROVE	Active

Previous Names

Business: HORROCKS ENGINEERS, INC.
Charter Number: 44358558F
Registration Date: 4/6/2021

Domicile Address

2162 W GROVE PARKWAY
SUITE 400
PLEASANT GROVE, UT 84062

Mailing Address

2162 W GROVE PKWY,
STE. 400
PLEASANT GROVE, UT 84062

Principal Business Office

2162 W GROVE PARKWAY
SUITE 400
PLEASANT GROVE, UT 84062

Registered Office in Louisiana

3867 PLAZA TOWER DR.
BATON ROUGE, LA 70816

Principal Business Establishment in Louisiana

3867 PLAZA TOWER DRIVE
BATON ROUGE, LA 70816

Status

Status: Active (Voluntary Withdrawal Pending)
Qualified: 4/6/2021
Last Report Filed: 5/29/2024
Type: Business Corporation (Non-Louisiana)



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Name	Type	City	Status
ALTA PLANNING + DESIGN, INC.	Business Corporation (Non-Louisiana)	SACRAMENTO	Active

Previous Names

Business: ALTA PLANNING + DESIGN, INC.
Charter Number: 41995918F
Registration Date: 8/25/2015

Domicile Address

2710 GATEWAY OAKS DRIVE
 SUITE 150N
 SACRAMENTO, CA 958333505

Mailing Address

101 SW MAIN ST.
 SUITE 2000
 PORTLAND, OR 97204

Principal Business Office

101 SW MAIN ST.
 SUITE 2000
 PORTLAND, OR 97204

Registered Office in Louisiana

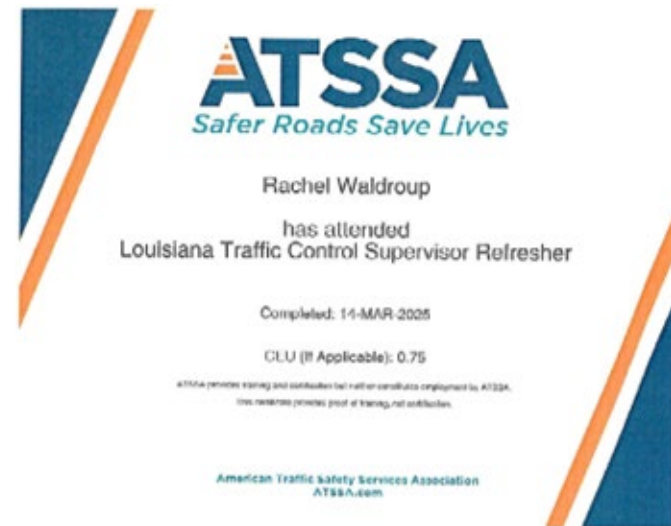
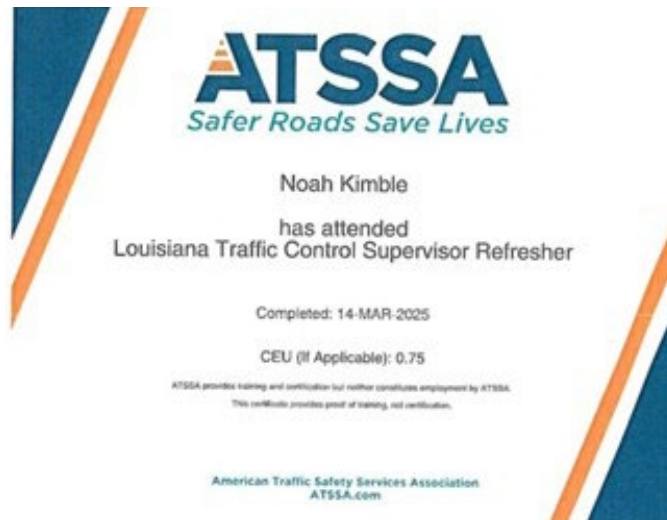
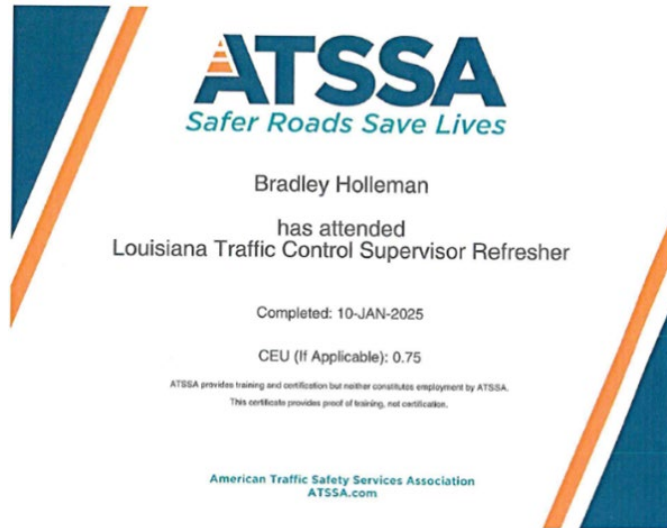
450 LAUREL STREET, 8TH FLOOR
 BATON ROUGE, LA 70801

Principal Business Establishment in Louisiana

450 LAUREL STREET
 8TH FLOOR
 BATON ROUGE, LA 70801

Status

Status: Active
Annual Report Status: In Good Standing
Qualified: 8/25/2015
Last Report Filed: 7/29/2025
Type: Business Corporation (Non-Louisiana)







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Name	Type	City	Status
FORTE AND TABLADA, INC.	Business Corporation	BATON ROUGE	Active

Previous Names

Business: FORTE AND TABLADA, INC.

Charter Number: 25306090D

Registration Date: 2/8/1961

Domicile Address

9107 INTERLINE AVE.
BATON ROUGE, LA 70809

Mailing Address

9107 INTERLINE AVE.
BATON ROUGE, LA 70809

Principal Office Address

9107 INTERLINE AVE.
BATON ROUGE, LA 70809

Status

Status: Active

Annual Report Status: In Good Standing

File Date: 2/8/1961

Last Report Filed: 1/12/2026

Type: Business Corporation



Jerry Lazenby
has attended
Louisiana Traffic Control Supervisor Refresher

Completed: 19-JUL-2024

CEU (If Applicable): 0.75

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American Traffic Safety Services Association
ATSSA.com



Paul Fryer
has attended
Louisiana Traffic Control Supervisor Refresher

Completed: 18-OCT-2024

CEU (If Applicable): 0.75

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This certificate provides proof of training, not certification.

American Traffic Safety Services Association
ATSSA.com



Ronald Riffin
has attended
Louisiana Traffic Control Supervisor Refresher

Completed: 19-JUL-2024

CEU (If Applicable): 0.75

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American Traffic Safety Services Association
ATSSA.com



Randy Hammons
has attended
Louisiana Traffic Control Supervisor Refresher

Completed: 19-JUL-2024

CEU (If Applicable): 0.75

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American Traffic Safety Services Association
ATSSA.com



Hagan Lawrence
has attended
Louisiana Traffic Control Supervisor Refresher

Completed: 19-JUL-2024

CEU (If Applicable): 0.75

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American Traffic Safety Services Association
ATSSA.com



James Ellingburg
has attended
Louisiana Traffic Control Supervisor Refresher

Completed: 19-JUL-2024

CEU (If Applicable): 0.75

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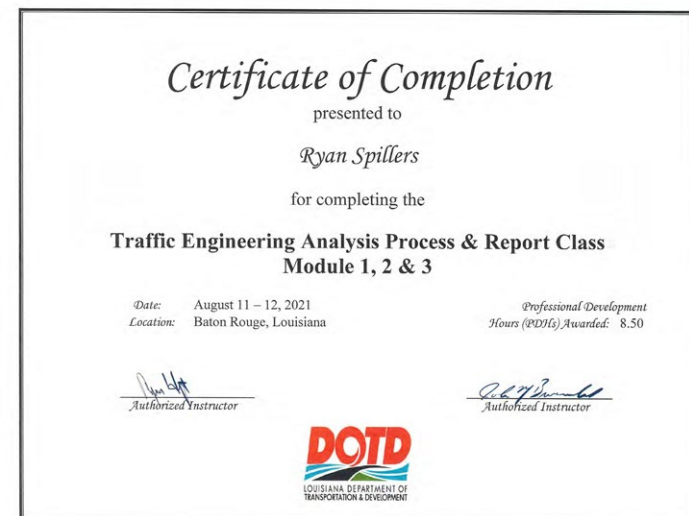
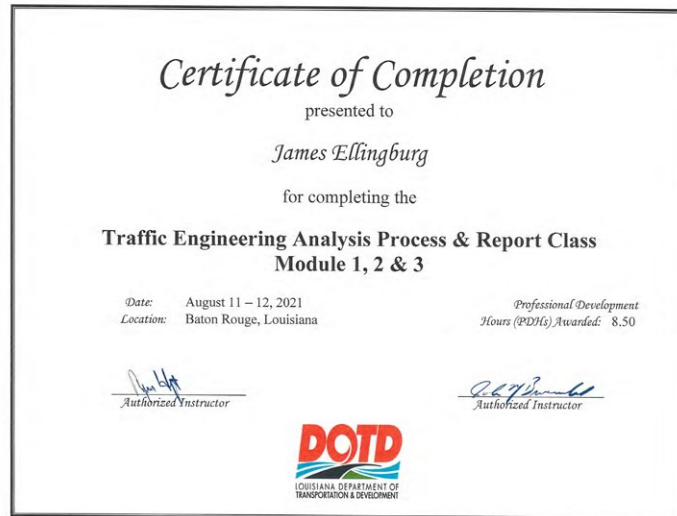
Ryan Spillers
has attended
Louisiana Traffic Control Supervisor Refresher

Completed: 19-JUL-2024

CEU (If Applicable): 0.75

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Name	Type	City	Status
LAZENBY & ASSOCIATES, INC.	Business Corporation	WEST MONROE	Active

Previous Names

HARRISON AND LAZENBY, INC. (Changed: 1/1/1995)
Business: LAZENBY & ASSOCIATES, INC.
Charter Number: 33702440D
Registration Date: 1/5/1982

Domicile Address

2000 N. SEVENTH ST.
WEST MONROE, LA 71291

Mailing Address

C/O JERRY G. LAZENBY
2000 N. SEVENTH ST.
WEST MONROE, LA 71291

Principal Office Address

2000 N. SEVENTH ST.
WEST MONROE, LA 71291

Status

Status: Active
Annual Report Status: In Good Standing
File Date: 1/5/1982
Last Report Filed: 12/8/2025
Type: Business Corporation

Certificate of Completion

presented to

Brin 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



Certificate of Completion

presented to

Brin 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



Certificate of Completion

presented to

Brin Ferlito

for completing the

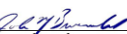
Traffic Engineering Analysis Process & Report Module 3

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

Professional Development
Hours (PDHs) Awarded: 3


Authorized Instructor


Authorized Instructor


Authorized instructor



Certificate of Completion

presented to

Laurence Lambert

for completing the

Traffic Engineering Analysis Process & Report Module 1

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

Professional Development
Hours (PDHs) Awarded: 2

[Signature]
Authorized Instructor

[Signature]
Authorized Instructor

[Signature]
Authorized instructor



Certificate of Completion

presented to

Laurence Lambert

for completing the

Traffic Engineering Analysis Process & Report Module 2

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

Professional Development
Hours (PDHs) Awarded: 3

[Signature]
Authorized Instructor

[Signature]
Authorized Instructor

[Signature]
Authorized instructor



Certificate of Completion

presented to

Laurence Lambert

for completing the

Traffic Engineering Analysis Process & Report Module 3

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

Professional Development
Hours (PDHs) Awarded: 3

[Signature]
Authorized Instructor

[Signature]
Authorized Instructor

[Signature]
Authorized instructor



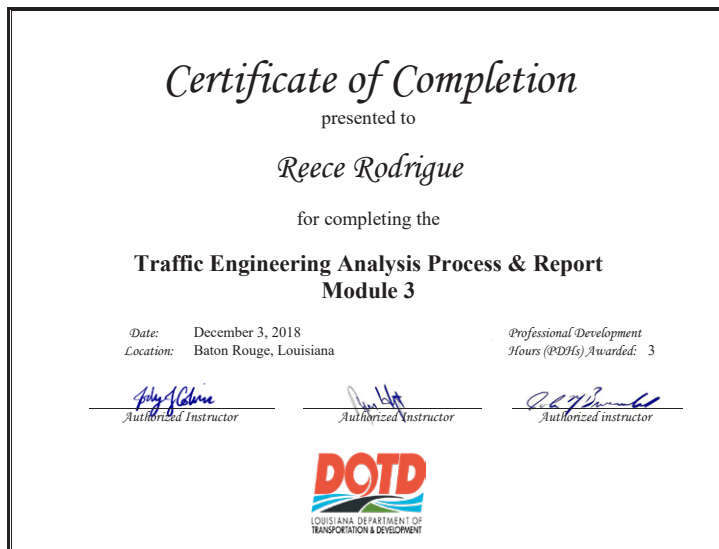
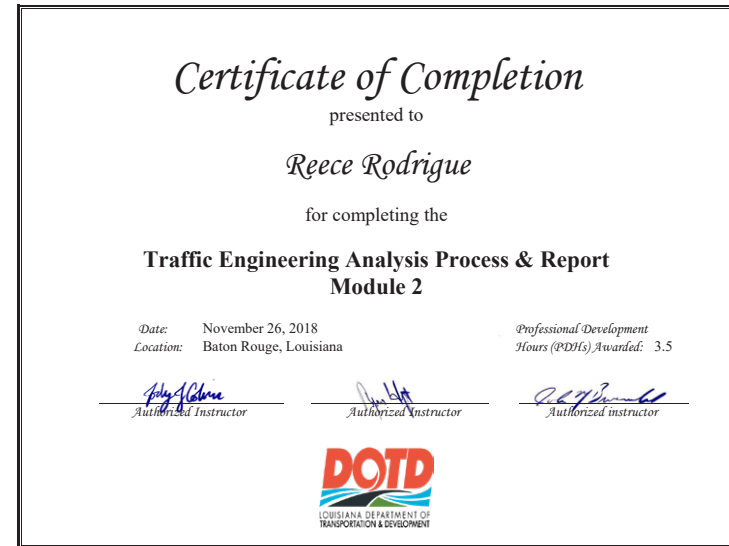
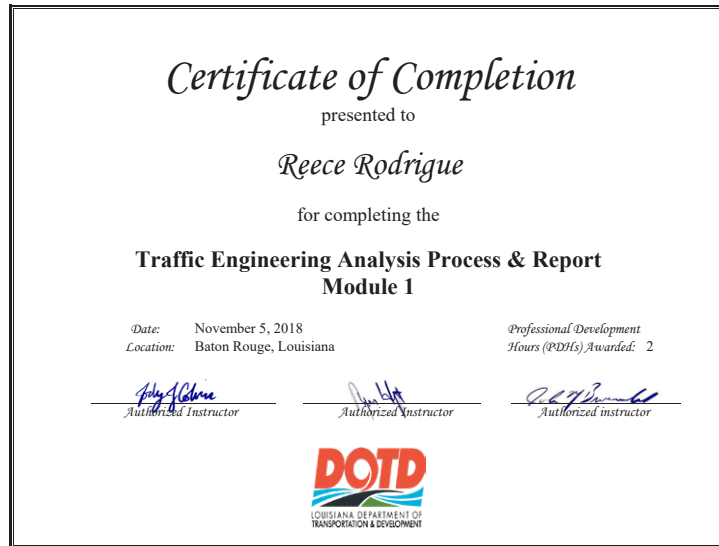
Laurence Lambert
has attended
Louisiana Traffic Control Supervisor Refresher

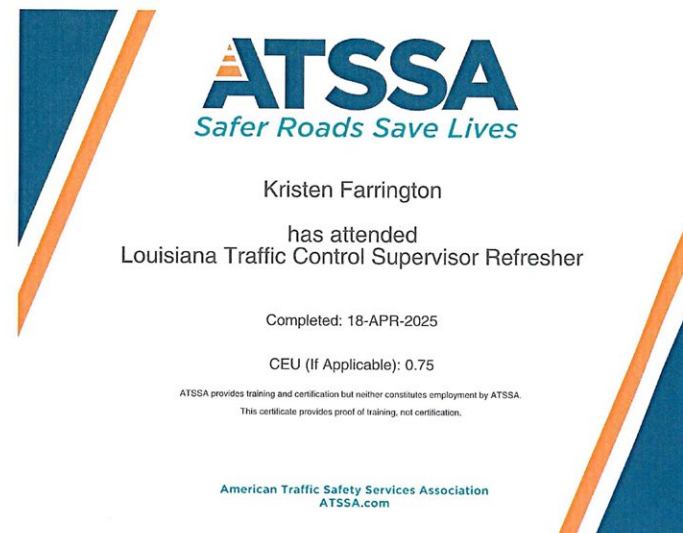
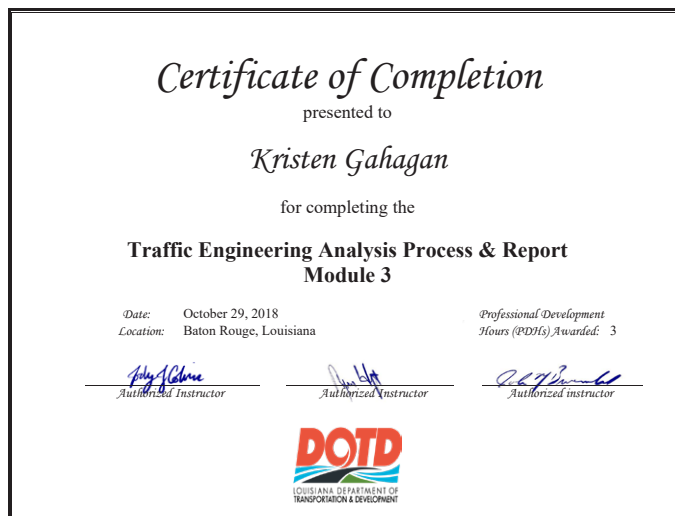
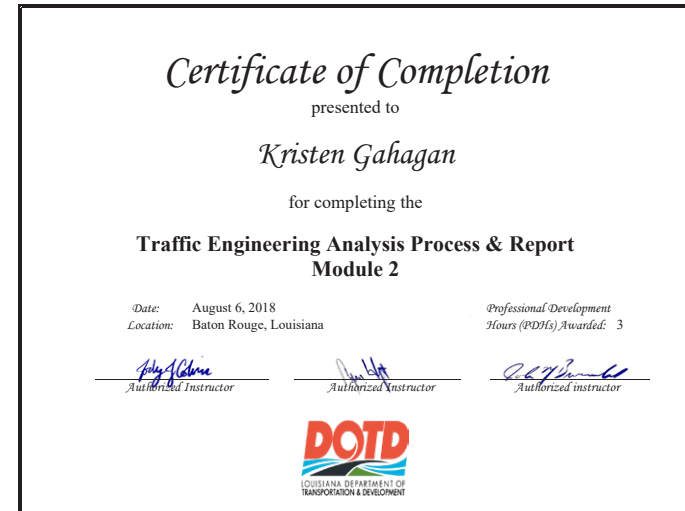
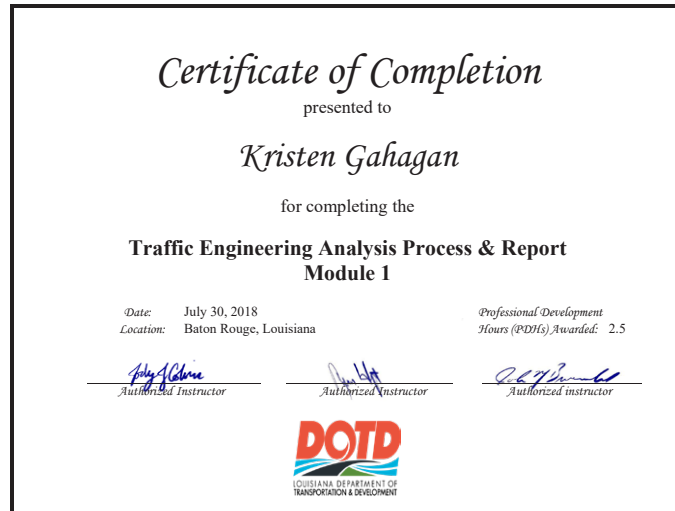
Completed: 27-APR-2026

CEU (If Applicable): 0.75

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ATSSA.com









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Name	Type	City	Status
VECTURA CONSULTING SERVICES, LLC	Limited Liability Company	BATON ROUGE	Active

Previous Names

Business: VECTURA CONSULTING SERVICES, LLC
Charter Number: 41994609K
Registration Date: 8/24/2015

Domicile Address

4467 BLUEBONNET BLVD.
SUITE A
BATON ROUGE, LA 708099639

Mailing Address

PO BOX 14269
BATON ROUGE, LA 70898

Status

Status: Active
Annual Report Status: In Good Standing
File Date: 8/24/2015
Last Report Filed: 7/30/2025
Type: Limited Liability Company



Megan Bourgeois
has attended
Louisiana Traffic Control Supervisor Refresher

Completed: 21-JUN-2024

CEU (If Applicable): 0.75

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American Traffic Safety Services Association
ATSSA.com



Megan Bourgeois
has attended
National Flagger Certification Training Course

Completed: 15-AUG-2024

CEU (If Applicable): 0

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American Traffic Safety Services Association
ATSSA.com



Robert Jewell
has attended
Louisiana Traffic Control Supervisor Refresher

Completed: 23-AUG-2024

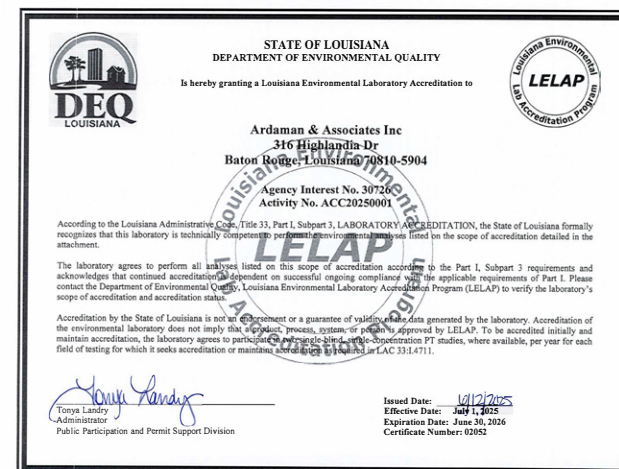
CEU (If Applicable): 0.75

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ATSSA.com









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Name	Type	City	Status
ARDAMAN & ASSOCIATES, INC.	Business Corporation (Non-Louisiana)	ORLANDO	Active

Previous Names

Business: ARDAMAN & ASSOCIATES, INC.
Charter Number: 34396031F
Registration Date: 12/13/1991

Domicile Address

8008 SOUTH ORANGE AVENUE
ORLANDO, FL 32809

Mailing Address

3475 E. FOOTHILL BLVD.
PASADENA, CA 91107

Principal Business Office

8008 SOUTH ORANGE AVENUE
ORLANDO, FL 32809

Registered Office in Louisiana

3867 PLAZA TOWER DR.
BATON ROUGE, LA 70816

Principal Business Establishment in Louisiana

316 HIGHLANDIA DR.
BATON ROUGE, LA 70816

Status

Status: Active
Annual Report Status: In Good Standing
Qualified: 12/13/1991
Last Report Filed: 11/13/2025
Type: Business Corporation (Non-Louisiana)



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Name	Type	City	Status
EMERGENT METHOD, LLC	Limited Liability Company	BATON ROUGE	Active

Previous Names

SPEYRER CONSULTING, LLC (Changed: 12/31/2014)

Business: EMERGENT METHOD, LLC

Charter Number: 40910135K

Registration Date: 8/8/2012

Domicile Address

804 MAIN ST.

BATON ROUGE, LA 70802

Mailing Address

804 MAIN ST.

BATON ROUGE, LA 70802

Status

Status: Active

Annual Report Status: In Good Standing

File Date: 8/8/2012

Last Report Filed: 7/18/2025

Type: Limited Liability Company

21. QA/QC PLAN:

If the advertisement requires submission of QA/QC plan, include it here. Otherwise, leave this section blank.

Waggoner Engineering, Inc.

Quality Assurance/Quality Control Plan for Bridge Design Projects

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

Contract Nos. 4400035363, 4400035364, 4400035365, 4400035366, and 4400035367

This document is a supplement to Waggoner's Quality Assurance/Quality Control Plan dated August 2020

June 2026

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I. Introduction

At Waggoner Engineering, Inc. (formerly Sigma Consulting Group Inc.), we emphasize good communication as the key component in achieving excellence. This communication begins with our firm's mission, and continues with goals, company procedures, and then periodic feedback for making changes.

The procedures are what guide our day to day quality efforts. They are organized into company procedures and project procedures. Our method for assuring quality over the long term is addressed in our mission, quality goal, and feedback.

This document establishes the minimum requirements for the Quality Control (QC) and Quality Assurance (QA) for all LADOTD bridge design projects, with specific references to this project.

Waggoner is fully responsible for the QC/QA of our work, and the work of all subconsultants. All subconsultants are to adhere to these guidelines also.

LADOTD is not responsible for performing QC/QA of Waggoner's or their subconsultants' work.

II. References

- Quality Control/Quality Assurance Plan. 2020. Waggoner Engineering, Inc.
- LADOTD Bridge Design and Evaluation Manual, Part I – Policies and Procedures, Chapter 3: Policy for QC/QA
- Policy on Quality Control and Quality Assurance. 2012. Louisiana Department of Transportation and Development, Bridge Design Section
- Guidance on Quality Control and Quality Assurance (QC/QA) in Bridge Design. 2011. Federal Highway Administration.

III. Definitions

Quality Control (QC) - Procedures of checking the accuracy of the calculations and consistency of the drawings, detecting and correcting design omissions and errors before the design plans are finalized, and verifying the specifications for the load-carrying members are adequate for the service and operation loads.

Quality Assurance (QA) - Procedures of reviewing the work to ensure the quality controls are in place and effective in preventing mistakes, and consistency in the development of bridge design plans and specifications.

Designer - An individual directly responsible for the development of design calculations, drawings, specifications and contract documents, and review of shop drawings related to a specific bridge design with a level of technical skills and experience commensurate with the complexity of the subject structure or structures being designed. The designer must be licensed by the State of Louisiana as an engineer intern or a professional engineer.

Detailer - The detailer is the individual directly responsible for the creation of CAD drawings.

Checker - An individual responsible for performing a full technical review of the structural design calculations, drawings, specifications, and contract documents. The checker must be licensed by the State of Louisiana as an engineer intern or a professional engineer. If the designer is an engineer intern, then the checker must be a professional engineer.

Reviewer - An individual responsible for performing QA procedures for assuring that QC procedures have been performed. The reviewer must be licensed by the State of Louisiana as a professional engineer and have substantial experience in the design of similar structures.

Engineer of Record - An individual responsible for all bridge structural aspects of the design of the structure including the design of all of the bridge's systems and components. The EOR must be licensed by the State of Louisiana as a professional engineer and must have commensurate experience in the design

of similar structures. The EOR can be the designer, the design checker, the reviewer, or the supervisor/team leader who is directly involved in the project development. The Engineer of Record normally seals and signs the final contract plans and specifications.

Area	Role	Team Member	Responsible For
Project Management	Project Manager/ Point of Contact	Andrew Windmann, PE	Determining appropriate staff to assign work. Overall project delivery in conformance with established scope, schedule, and budget.
Bridge Design	Designer	Joshua Gonya, PE	Design of structural elements that are not covered by existing LADOTD standard details.
	Checker	Leah Bourg, EI	In-depth check of the designer's calculations and plans. Independent or review designer's calculations.
	QA Review	Andrew Windmann, PE	Confirms that all calculations and plans have corresponding documents and that these documents were adequately checked in conformance with Waggoner's and LADOTD's QA/QC policies. Performs high-level review for project biddability and constructability and ensures any identified modifications are incorporated.
Bridge Hydraulics	Designer	Charlotte Gremillion, PE	Creation of hydraulic model for unrestricted, existing, and proposed crossings at the body of water. Creation of report summarizing hydraulic data and requirements along with any scour analysis and mitigation.
	Checker	Bryan Harmon, PE	In-depth check of the HEC model(s) and hydraulics report. Ensures analysis was performed in conformance with LADOTD Off-System Bridge Hydraulics Manual and other governing FHWA Circulars as specified by AASHTO.
	QA Review	Robert Lear, Jr, PE, LSI	Confirms the hydraulic analysis and report following Waggoner's internal QA/QC procedures and that plans match the report.
Roadway & Drainage	Designer	Kelsie Bankston, PE	Design of proposed/adopted roadway and bridge geometry, established design typical sections and limits of construction, determines roadway drainage needs and provides adequate open or closed drainage systems to ensure adverse affects are avoided or minimized.
	Checker	Alex Farr, PE	In-depth check of the designer's use of correct minimum guidelines, horizontal and vertical geometries, and drainage calculations.
	QA Review	Robert Lear, Jr., PE, LSI	Confirms that all decisions made have justification and back-up. Ensures full QA/QC process is performed and adhered to. Performs high-level review for project biddability and constructability along with any fatal flaws in the design and construction plans.

IV. Project Procedure

A. Development of Project Design Criteria

Design criteria (bridge) must be developed and submitted for LADOTD for review and approval. Though the design criteria may change throughout the project, a current list of the criteria shall be maintained at all times. Any design assumptions made, or design exemptions obtained shall be listed in the design criteria and referenced in the calculations and drawings as appropriate. A design criteria checklist is included in the Appendix.

B. Design Process

During the design process, the designer must follow the design criteria established for the project. A bridge type, size and location (TS&L) study must be developed first and approved by the supervisor or team leader prior to proceeding with the design of structural components. The design calculations shall be organized and maintained in a standard calculation book format.

- The designer has the responsibility to ensure that his calculations or drawings have been checked and signed by a checker.
- All project calculations will be filed as directed by the Project Manager. Except for very small projects, the calculations should be maintained in a 3-ring binder/folder with a Table of Contents and page numbers.
- All calculations will be prepared neatly. These calculations will always be checked by an independent checker and signed by both the designer and the checker. Calculations performed on CAD, such as quantities, will be documented on printouts or drawings (preferably half-size), and checked independently. If such documentation is not readily available from the software, calculations shall be manually documented or performed using other methods.
- The calculations or drawings should be readable without the designer explaining the content. It may be necessary for the designer to explain the philosophy behind the design to the checker.
- All assumptions used in the calculations shall be listed, verified and approved by the Project Manager. Where code dictates a requirement, the code, code date, section number and applicable table will be listed. Where information is obtained from other calculations, disciplines or reference material, the source shall be identified.
- During development of design calculations, the designer should keep in mind that proper sketches and details should be presented as others may use these calculations in developing construction drawings.
- Computer programs (both commercial and in-house) are a great time-saver to the design process. However, it is the designer's responsibility to be familiar with the program, and its design assumptions and internal design routines and methods to the extent that he could duplicate a given result.
- Compute and document input for the computer programs, as you would design calculations. These should be attached to the computer printout when passed to checking. It is not necessary to copy (for checking) lengthy computer printouts.
- The checking of calculations shall be on a copy of the original and shall be retained with the original. After all corrections have been made, the checker shall sign the original. The checker shall sign every page of the calculations to ensure that pages are not added to the end of what he checked. No erasing is permitted after the checker has signed the original calculations.
- All drawings prepared in CAD will be plotted by the technician and checked for correctness and accuracy (by the technician) prior to delivering the drawing to the designer/engineer. It is the CAD technician's responsibility to ensure that the drawing is drawn correctly. The drawing designated as the check print should be in the format of the final deliverable.
- As a general rule, all engineers and technicians should review the plans, specifications and calculations during the development process not only for accuracy, but also that the elements fit together. This is especially true with inter-discipline projects. Checks should also be made on how revisions to one element of a project might affect other portions of the project.
- Each submittal should include a QC/QA certification that the process is being followed and the plan documents and information presented is accurate and meets the requirements of the submittal.

C. Checking Process

The checker may begin the checking process at the completion of the entire design/detail process or may check components of the designer/detailer's work as it is completed. Likewise, the checker may provide feedback at the completion of the entire checking process or as each component of check is completed.

During the design check process, the design checker must verify the accuracy of the designer's calculations, pay items, quantities, special provisions including Non-Standard items, and cost estimate. Regardless of the checking method employed, the designer's calculations are the calculations of record and must be updated to correct any errors or omissions discovered by the design checker. The design checker should also ensure that the drawings adequately and accurately present the design information.

During the detail check process, the detail checker must ensure the drawings are in accordance with the design information and CAD standards. All dimensions and quantity calculations must be verified. The following stamp should be applied to every Check Print drawing.

No: _____		Date: _____	
CHECK PRINT			
Dwg. Checked against calcs. And calc check confirmed			
by: _____		Date: _____	
Checked: _____		Date: _____	
Backchecked: _____		Date: _____	
Corrected: _____		Date: _____	
Verified: _____		Date: _____	

Any discrepancies that arise should be resolved between the designer/detailer and the checker, and the calculations and plan details should be corrected accordingly. If the designer/detailer and the checker are unable to resolve their discrepancies, the issue should be brought to the attention of the supervisor or team leader.

The checker shall be free to follow his own procedure for checking; however, the following must be adhered to regardless of his/her other methods.

- The checking of calculations shall be on a copy of the original and shall be retained with the original. After all corrections have been made, the checker shall sign the original. The checker shall sign every page of the calculations to ensure that pages are not added to the end of what he checked. No erasing is permitted after the checker has signed the original calculations.
- Checker is to show all additions or changes (noted in red) in sufficient detail for a draftsman's complete understanding. Avoid verbal instructions. Checker should initial and date each drawing as it is checked.
- If reasons for errors are not clearly apparent, consult draftsman before making change.
- Various checklists (both department and client) exist and should be used where applicable.
- To minimize the number of marked-up drawings being circulated, only the stick file or a clearly designated "Check Print" set should be used for corrections.
- The checker of both the calculations and the drawings should compare the two. They must match.
- After drawings have been checked, notify disciplines concerned, of additional requirements, omissions, or changes.
- After checking is completed the check print should be returned to the original designer for his/her back-check and pick-ups. The original designer shall initial and date each sheet as back-checked.

- Any markups not completely addressed shall be indicated and discussed with Checker before the Back-Check print is returned.
- After Back-Check pickups are made, the drawings should be returned to the checker for final review. The CAD technician shall initial and date each sheet as corrected. After a final review, the checker shall initial and date each sheet as verified.
- All changes or approvals to checked design package shall be color coded as described in the Waggoner drafting standards. Below is a list of colors and intent for use:

YELLOW	indicates checked and complete
RED	indicates addition
GREEN	indicates "remove the item in green"
BLUE	indicates checkers comments are picked-up and complete
BLACK	to be used to write specific instructions or comments
CIRCLED AREA	indicates "not satisfactory" with a pencil comment explaining why, be specific.

The drawings should be locked when the checking process begins and then locked again when complete. This keeps unauthorized changes from occurring and ensures that the entire project team is using accurate and up-to-date information.

After the designer, design checker, detailer, and detail checker are satisfied with the state of the design calculations, drawings, special provisions, and cost estimate as appropriate, the design and detail check shall be considered complete. This shall be no later than the 95% Final Plans stage.

D. Quality Assurance/Review Process

Upon completion of the design and detail check, the designer is responsible for preparing a QA information package. A QA information package checklist is included in the Appendix. This QA package is given to a reviewer; the reviewer is the engineer responsible for ensuring that the QC process was followed and is complete.

During quality assurance process, the reviewer shall perform a cursory review of all documents in the QA information package submitted by the designer. This review should focus on the constructability of the plan details; areas of critical structural importance; areas where, based on the reviewer's experience, mistakes may be typically found; and areas that may be new to the design practice. The reviewer may, but need not, produce independent calculations to verify submitted information. The reviewer shall provide feedback to the designer and resolve all issues. The QA process shall be completed no later than the 98% final plans stage. At this point, the QC/QA certification (included in Appendix) shall be signed by the designer, design checker, detailer, detail checker, and reviewer.

E. Responsibilities of the EOR

- Ensure the QC/QA certification is signed by all responsible parties. Ensure the geotechnical design information shown on bridge plans is co-stamped by a Geotechnical Engineer and the hydraulic information shown on bridge plans is co-stamped by a Hydraulic Engineer.
- Assemble design calculations from all designers, finalize the calculation book, and seal the cover sheet of the calculation book.
- Ensure the names of the designer, design checker, detailer, detail checker, and reviewer are correctly shown on the title block of each plan sheet. Stamp all plan sheets or designate a designer, design checker, or reviewer who shall be licensed by the State of Louisiana as a professional engineer to stamp the sheets developed under their supervision. The EOR must stamp the general note sheets.
- Ensure all special provisions are accurately shown on the construction proposal. The special provisions are typically stamped by the Specification Engineer as part of the construction proposal; however, if the Specification Engineer is not qualified or not willing to stamp the special provisions, the EOR must stamp these provisions.

F. Responsibilities of the LADOTD Bridge Task Manager:

The LADOTD bridge task manager will participate in the following:

- Initiate a design kick-off meeting as soon as the project is awarded to discuss project expectations, design criteria, submittal schedule, implementation of QC/QA plan document, as well as to become familiar with the consultant's design team members who are identified as the designers, design checkers, and reviewers.
- Review and approve design criteria and TS&L and ensure the design criteria is updated as the project progresses.
- Review consultant's submittals - **LADOTD Bridge Task Managers shall not perform QC/QA of consultants' work.** However, they will selectively check the plans for constructability, consistency, and clarity.

V. Plan Development

The following procedures help with our quality in the production of drawings and specifications:

- Use department-generated CADD standards and CADD drafting manual, as required.
- Each drawing has an automatic date stamp, along with a correct title block.
- Each drawing should always have a status stamp (Preliminary, For Review, For Approval, etc.) that also identifies the Engineer-of-Record.
- Dimensions and data should be shown only once, to reduce possible discrepancies.
- Cross referencing should be as simple and as clear as possible.
- Coordinate the drawings and specifications with each other.
- Use LADOTD standard specifications and standard plans when appropriate.
- When specifying products, use the LADOTD accepted Qualified Products List when possible.
- If the Qualified Products List does not contain the desired product, document the decision process for approving a product along with any relevant codes.
- Document for the files: relevant communications, alternatives, and reasoning for picking an alternative.

Appendix

- Design Criteria Checklist
- QA Information Package Checklist
- Consultant Submittal QC/QA Certification
- QC/QA Certification (Final)

Appendix Design Criteria Checklist

Design criteria for each project shall include, but not limited to, the following sections:

Cover Sheet

The following information must be included on the cover sheet:

- LADOTD project number
- Project name
- Revision date
- The Supervisor or Team Leader's signature and date

Governing Design and Construction Specifications and Other References

A list of governing design and construction specifications and other references used for the project shall be included in this section. The edition number, interim revisions, and/or publication date must be specified for each reference.

Design Assumptions and Design Exceptions

All design assumptions and design exceptions received must be included in this section along with supporting documents.

General Information

The general information as listed below should be included in this section:

- Bridge information (number of bridges, bridge clear width, length, number of lanes, lane width, shoulder width, etc.)
- Road information (roadway classifications, design speed, traffic data, etc.)
- Vertical datum
- Vertical and horizontal clearances
- Hydraulic design information (design water elevations, scour depth and scour elevation, etc.)
- Other relevant information

Hydraulic Design Criteria

All hydraulic design criteria (design year, design water elevations, scour depth and scour elevation, etc.) shall be included in this section and the information shall be provided by the Hydraulic Engineer.

Design Factors

The ductility factor, redundancy factor, and operational importance factor shall be listed in this section.

Design Loads

All design loads (dead load, live load, wind load, thermal loads, vessel collision loads, seismic load, wave loads, etc.) used for the project shall be included in this section.

Limit States

All applicable limit states for this project shall be listed in this section.

Bridge Barrier

The design criteria, types, and test levels for bridge barriers shall be listed in this section. Standard plans and special details should be listed if they are utilized.

Guardrail

The design criteria, types, and test levels for guardrails shall be listed in this section. Standard plans and special details should be listed if they are utilized.

Approach Slab

Design criteria for approach slab shall be included in this section. Standard plans and special details should be listed if they are utilized.

Deck and Deck Drainage

All design criteria for deck and deck drainage design shall be included in this section. Standard plans and special details should be listed if they are utilized.

Bearing

All bearing types and design criteria for each bearing type shall be included in this section. Standard plans and special details should be listed if they are utilized.

Joint

All joint types and design criteria for each type shall be included in this section. Standard plans and special details should be listed if they are utilized.

Superstructure

All superstructure types and design criteria for each type shall be included in this section. Standard plans and special details should be listed if they are utilized.

Substructure

All substructure types and design criteria for each type shall be included in this section. Standard plans and special details should be listed if they are utilized.

Piles and Drilled Shafts

All pile types, sizes, and structural design criteria shall be included in this section. Standard plans and special details should be listed if they are utilized.

Geotechnical Design

All geotechnical design criteria shall be included in this section. Standard plans and special details should be listed if they are utilized.

Mechanical Design

All mechanical design criteria shall be included in this section if applicable. Standard plans and special details should be listed if they are utilized.

Electrical Design

All electrical design criteria shall be included in this section if applicable. Standard plans and special details should be listed if they are utilized.

As-Designed Bridge Rating Criteria

All as-designed bridge rating criteria shall be included in this section.

Software

All software used for design and check shall be included in this section.



Appendix QA Information Package Checklist

Project No:

Project Description:

___ Calculation Book

___ Plans

___ Special Provisions

___ Cost Estimates

___ Other Documents

Appendix
Consultant Submittal QA/QC Certification

Project No:
Project Description:

I, the undersigned Supervisor or Team Leader for this project, certify that the information included in this submittal has been prepared in accordance with the QA/QC plan documents and the information presented is accurate and meets the requirements of this submittal.

Submittal Description

Supervisor or Team Leader Name

Signature

Date

22. SUB-CONSULTANT INFORMATION:

Firm Name (as registered with Louisiana's Secretary of State)	Address	Point of contact and Email Address	Phone Number
DRMP, Inc.	941 Lake Baldwin Lane Orlando, FL 32814	Glenn J. Lusink, PSM President glusink@drmp.com	407.896.0594
Horrocks Engineers, Inc.	2162 West Grove Parkway, Suite 100 Pleasant Grove, UT 84062	Matt Horrocks Chief Operations Officer matth@horrocks.com	801.763.5513
Alta Planning + Design, Inc.	508 W. 5th St., Suite 200 Charlotte, NC 28202	Spencer Finch Principal spencerfinch@altago.com	984.226.0500
Forte and Tablada, Inc.	9107 Interline Avenue Baton Rouge, LA 70809	Bradley Holleman, PLS, PE SVP, Geospatial bholleman@forteandtablada.com	225.927.9326
Lazenby & Associates, Inc.	2000 N. Seventh St. West Monroe, LA 71291	Paul Fryer Senior Vice President pfryer@lazenbyengr.com	318.387.2710
Ardaman & Associates, Inc.	316 Highlandia Drive, Baton Rouge, LA 70810	Robert Jewell Branch Manager rjewell@ardaman.com	225.666.4598
Vectura Consulting Services, LLC	4467 Bluebonnet Blvd., Suite A Baton Rouge, LA 70809	Sheelagh Brin Ferlito, PE Partner bferlito@vecturacs.com	225.223.6685
Emergent Method, LLC.	804 Main Street Baton Rouge, LA 70802	Keesler Morrison Senior Manager keesler.morrison@emergentmethod.com	225.372.5102

23. LOCATION:

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



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