

STATEMENT OF QUALIFICATIONS

Contract No. 4400025702

ENTITY CONTRACT FOR VINTAGE DR
MULTI USE PATH POWER – WILSON
(CE&I)

December 13, 2022



Submitted by:



December 13, 2022

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

RE: **CONTRACT NO. 4400025702**
ENTITY CONTRACT FOR VINTAGE DR MULTI USE PATH: POWER – WILSON (CE&I)
STATE PROJECT NO. H.013813.6

Dear Selection Committee:

Infrastructure Consulting & Engineering, PLLC (ICE) appreciates the opportunity to submit the attached 24-102 DOTD Form in response to your request for qualifications to assist the Louisiana Department of Transportation and Development and Jefferson Parish with performing construction engineering and inspection services for the above referenced project

As demonstrated in this submittal, *the ICE Team has significant CE&I experience* and extensive knowledge and expertise with projects of similar scope and size. We have worked on similar dynamically- funded, local transportation infrastructure improvement programs in other states and have been reselected numerous times. We also have *extensive roadway construction and multi-use path experience*, further described in sections 16 and 17 of this submittal. All proposed staff assigned to provide CE&I services for this project were selected because of their qualifications, experience, knowledge of LADOTD requirements, availability AND for their successful delivery of CE&I services on previous contracts.

Should you require any additional information, please do not hesitate to contact me anytime at (843)-200-6196 (direct) or billy.coleman@ice-eng.com.


Respectfully Submitted,
Infrastructure Consulting & Engineering, PLLC




William L. Coleman, III, PE
Executive Vice President / Chief Operations Officer

PROPOSAL TO PROVIDE CONSULTANT SERVICES


1. Contract title as shown in the advertisement	ENTITY CONTRACT FOR VINTAGE DR MULTI USE PATH: POWER – WILSON (CE&I)
2. Contract number(s) as shown in the advertisement	4400025702
3. State Project Number(s), if shown in the advertisement	H.013813.6
4. Prime consultant name (as registered with the Louisiana Secretary of State where such registration is required by law)	Infrastructure Consulting & Engineering, PLLC
5. Prime consultant license number (as registered with the Louisiana Professional Engineering and Land Surveying Board (LAPELS) if registration is required under Louisiana law)	EF 6428
6. Prime consultant mailing address	4000 S. Sherwood Forest Blvd. Suite 301, Baton Rouge, LA 70816
7. Prime consultant physical address (existing or to be established, if location is used as an evaluation criteria)	4000 S. Sherwood Forest Blvd. Suite 301, Baton Rouge, LA 70816
8. Name, title, phone number, and email address of prime consultant's contract point of contact	William Coleman, III, PE – Executive Vice President / Chief Operations Officer, 843-200-6196, billy.coleman@ice-eng.com
9. Name, title, phone number, and email address of the official with signing authority for this proposal	William Coleman, III, PE – Executive Vice President / Chief Operations Officer, 843-200-6196, billy.coleman@ice-eng.com

<p>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.</p>	<p>Signature (shall be the same person as #9):</p> <p></p> <hr/> <p>Date: December 13, 2022</p>
<p>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.</p>	<p><u>Firm(s):</u> <u>Firm(s)' %:</u></p>

12. PAST PERFORMANCE EVALUATION DISCIPLINE TABLE

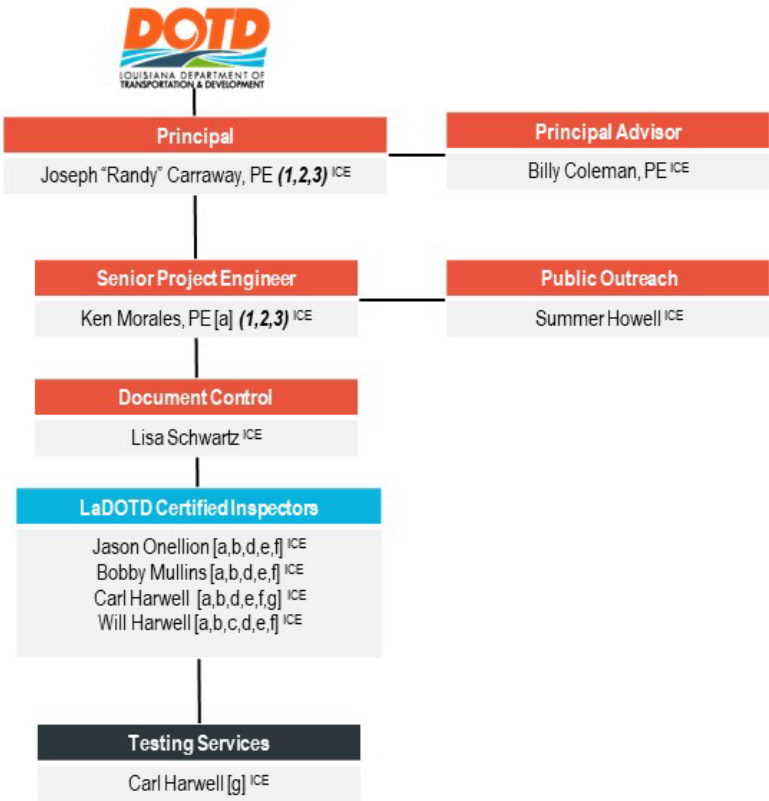
Evaluation Discipline(s)	% of Overall Contract		Each Discipline must total to 100%
CE&I/OV	100%	100%	100%
Percent of Contract	100%	100%	100%

13. FIRM 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
	Supervisor – Engineer	1	2
	Supervisor – Other	1	2
	Inspector – Lead	1	2
	Inspector – Certified	3	5
	Inspector	0	3
	Project Office Manager	1	2

14. ORGANIZATIONAL CHART

Firm Key	
ICE	Infrastructure Consulting & Engineering, PLLC



MPR Requirements:

- (1) LA Registered PE
- (2) LA Registered PE – Civil
- (3) Min. 5 Years Road Construction

LaDOTD Certifications [in brackets]:



- | | |
|-------------------------------|----------------------------------|
| [a] ATSSA Flagger, TCT, TCS | [e] Embankment/Base Course |
| [b] Asphaltic Concrete Paving | [f] Structural Concrete |
| [c] Asphaltic Plant | [g] District Laboratory Operator |
| [d] PCC Paving | |

* Traffic Engineering Analysis Modules

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 / certification & number	State of license	License / certification expiration date
1, 2, 3	Joseph "Randy" Carraway, PE		Professional Engineer PE0045938	LA	03/31/2024
	Ken Morales, PE		Professional Engineer PE0027431	LA	09/30/2024

16. STAFF EXPERIENCE

Firm employed by: 				
Name	JOSEPH "RANDY" CARRAWAY, PE		Years of relevant experience with this employer	10
Title	PRINCIPAL IN CHARGE		Years of relevant experience with other employer(s)	22
Degree(s) / Years / Specialization		Bachelor of Science / 1989 / Civil Engineering with Construction Emphasis		
Active registration number / state / expiration date		PE0045938 / Louisiana / 03-30-2024		
Year registered	2021	Discipline	Professional Engineer	
Contract role(s) / brief description of responsibilities		Mr. Carraway will serve as a PRINCIPAL on this contract. He meets MPR Nos. 1, 2, and 3.		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).			
PROJECT EXPERIENCE:				
11/15 – 03/20	85/385 Gateway Project (I-385 Widening and Interchange Improvements), Construction Management & CEI – Greenville, SC – Deputy Resident Engineer / Materials Management Engineer. The 85/385 Gateway Project as it became known by the public and local media was constructed using the design-build method of project delivery. The project involved creating a new interchange within the general footprint of the existing through staging construction of new lanes, ramps, and bridges while maintaining traffic. Portions of I-385 and I-85 were widened, and improvements were made to Roper Mountain Road, Woodruff Road, Garlington Road, Miller Road, and Chrome Drive. Additionally, 12 new bridge structures were built, including two flyovers, and modifications were made to an existing bridge. Mr. Carraway served dual roles as the Deputy Project Engineer and the Materials Management Engineer. He led a team of 40 inspectors at peak construction and provided both project and construction management for all phases and aspects of the work including inspection, testing, sampling, materials certification, monthly pay requests, change orders, public relations, and conflict resolution between the contractor and client. Mr. Carraway also actively participated in the design reviews for eight months before construction began.			
12/06 – 05/10	Palmetto Parkway Phase II – North Augusta, SC – Engineer. This project was 6.5 miles of new interstate that tied I-20 to the north with I-520 to the south. This section completed the loop around Augusta, GA and North Augusta, SC. There were four sets of dual bridges and eight individual bridge crossings for a total of 16 structures. Seven reinforced box culverts of varying size crossed the project, with the largest over 880 feet in length. The roadway section was concrete pavement along the mainline with asphalt pavement at ramps and loops. Over six million cubic yards of earthwork were balanced along the length of the site. Mr. Carraway's responsibilities reflected all aspects of project management to include: management of all contract documentation and filing; scheduling and management of a 16 person staff, and coordination with sub-consultants for project coverage and inspection; facilitation of weekly construction meetings for job progress, scheduling, contract compliance, and problem solving; coordination with the contractors and Engineers of Record for plan discrepancies and changes in site conditions from original design; and monthly preparation of work to date estimates for contractor's payment.			



09/00 – 01/04	Loring Mill Road – Sumter, SC – Engineer. This project was a rural two-mile, two-lane road that was being upgraded to three lanes with curb and gutter, sidewalks, and drainage. Mr. Carraway's responsibilities reflected the following aspects of project management: constructability reviews of the roadway plans; daily documentation of work progress and site inspection for plan compliance; coordination with utility companies for the identification of conflicts, agreement of resolution, and implementation of utility relocations; verification of erosion control requirements and documentation for environmental protection; weekly and annual interviews for compliance with federal regulations; coordination with the Engineer of Record and contractor for plan discrepancies and changes in site conditions from original design; monthly preparation of work to date estimates for contractor payment; and coordination and direction of biweekly utility/progress meetings with the contractor, utility personnel, and other involved parties.
04/00 – 09/00	SC 9 – Chester County, SC – Engineer. This project included construction of a five-span pre-stressed concrete girder bridge with two stages of construction. Mr. Carraway's responsibilities reflected the following aspects of inspection: daily site inspection for plan compliance; daily documentation of work progress for plan compliance; weekly interviews for compliance with federal regulations; and report documentation for concrete pours, drilled shafts, and steel pile installation.

16. STAFF EXPERIENCE (CONT.)

Firm employed by: 				
Name	WILLIAM L. "BILLY" COLEMAN, III, PE		Years of relevant experience with this employer	17
Title	PRINCIPAL ADVISOR		Years of relevant experience with other employer(s)	12
Degree(s) / Years / Specialization		Bachelor of Science / 1993 / Civil Engineering		
Active registration number / state / expiration date		20624 / South Carolina / 06-30-2024		
Year registered	2000	Discipline	Professional Engineer	
Contract role(s) / brief description of responsibilities			Mr. Coleman will serve as a PRINCIPAL ADVISOR on this contract.	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).			
PROJECT EXPERIENCE:				
11/15 – 03/20	85/385 Gateway Project (I-385 Widening and Interchange Improvements), Construction Management & CEI – Greenville, SC – Project Engineer. Mr. Coleman was responsible for coordinating all day-to-day CE&I operations with onsite SCDOT staff to maximize quality and efficiency and minimize risk of inaccuracy or miscommunication. He also provided daily supervision, ensuring an appropriate level of inspection staff were present during all phases of construction. Mr. Coleman processed over 900 RFIs and design changes and prepared social media updates. The project involved creating a new interchange within the general footprint of the existing through staging construction of new lanes, ramps, and bridges while maintaining traffic. Portions of I-385 and I-85 were widened, and improvements were made to Roper Mountain Road, Woodruff Road, Garlington Road, Miller Road, and Chrome Drive. Additionally, 12 new bridge structures were built, including two flyovers, and modifications were made to an existing bridge. The purpose of this project was to improve the safety, operation, capacity, and condition of the interchange of Interstate 85 and Interstate 385 and the adjacent segments of interstate roadway.			
11/15 – 06/18	Featured Project US 21 (Boundary Street) Redevelopment – Beaufort County, SC – Constructability Review. Mr. Coleman performed a constructability review that resulted in saving the County countless construction change orders and supplemental agreements that would have caused project delays. The County rescinded and rebid the project after reviewing the constructability review findings. This redevelopment project took place along US 21 between Neil Road and Ribaut Road and included improvements to First Street between Hogarth Street and the US 21 and SC 170 intersection. Improvements such as the addition of a raised median, construction of a multiuse path, landscaping, lighting, signal work, and undergrounding existing overhead utilities were also included.			



03/15 – 04/15	Marshland Roundabout – Hilton Head, SC –Project Manager. Mr. Coleman managed the project and oversaw the design services and contractor QA/QC Inspection services to ensure the project was being constructed according to the plans and specifications. The project involved the design and construction of a roundabout to replace the existing T-Intersection at Mathews Drive and Marshland Road on Hilton Head Island. The roundabout sits in a super elevated curve with multiple approaching lanes. The access was reduced on Mathews Drive from two to one lane to allow for the construction of a single lane roundabout with a slip lane from Marshland Road. It was critical that traffic was maintained during construction and the surrounding areas were minimally disturbed. Mr. Coleman also managed the teams responsible for monitoring the environmental impacts and maintenance of traffic. He was responsible for ensuring a high-quality project was constructed without sacrificing safety and schedules.
06/10 – 06/13	US 17/Johnnie Dodds Boulevard Improvements – Charleston County, SC – Design Manager. Mr. Coleman led the design and QA/QC inspection services of the entire project. He oversaw and provided roadway design plans, design management, quality management, utility coordination, hydrology, lighting, value engineering, survey verification, and QA/QC inspection services. This design-build project involved improvements to the three-mile-long segment of US 17 between the Arthur Ravenel Jr. Bridge and I-526 in Mount Pleasant, SC. The US 17 mainline roadway was widened from two to three lanes in each direction and a tight urban diamond interchange was constructed at the US 17 and Bowman Road intersection. The new interchange required construction of a 161-foot single-span bridge to carry US 17 over Bowman Road and replacement of the adjacent Bowman Road Bridge over Shem Creek. Frontage roads and intersecting side streets along US 17 were improved through the addition of bicycle lanes and sidewalks. The project also featured the addition of raised landscaped medians, curb and gutter, lighting, and mast-arm traffic signals with adaptive signal control.
06/08 – 06/11	Palmetto Commerce Parkway, Phase II – North Charleston, SC – Project Manager. This four-mile, design-build new-roadway construction project joins Phase I of Palmetto Commerce Parkway to Ashley Phosphate Road. This was the first design-build project for Charleston County. The new alignment consists of a four-lane section with a raised planted median and an eight-foot-wide multi-use asphalt pathway, with both rural and urban roadway sections. Also included in this project were four bridges, one of which was approximately 750 feet long. Mr. Coleman was responsible for all roadway design, coordination with the entire Design-Build team, overseeing all construction inspections, and utility coordination.
06/08 – 06/11	Featured Project Mathews Drive Widening, Pathway, & Roundabout Project Phase I (South) – Hilton Head Island, SC – Project / Construction Manager. Mr. Coleman was responsible for the redesign of the entire project. He provided roadway design plans, design management, roadway as-built plans, VE, survey verification, and QA/QC inspection services. This one-mile project involved widening the two-lane roadway section with open ditches to a three-lane roadway with dedicated left turn lanes, curb and gutter with planted raised medians, closed drainage system, a roundabout, and a bike path.
01/09 – 12/09	Mathews Drive / Airport Road Pathway & Roundabout Project – Hilton Head Island, SC – Construction and Design Manager. Mr. Coleman provided design plans, design management, as-built plans, VE, survey verification, and QA/QC inspection services for the one-mile bicycle pathway and roundabout at Mathews Drive and Airport Road

16. STAFF EXPERIENCE (CONT.)

Firm employed by: 				
Name	KEN MORALES, PE		Years of relevant experience with this employer	3
Title	PROJECT ENGINEER		Years of relevant experience with other employer(s)	22
Degree(s) / Years / Specialization		Bachelor of Science / 1986-1991 / Transportation Engineering		
Active registration number / state / expiration date		PE0027431 / Louisiana / 09-30-2024		
Year registered	1997	Discipline	Professional Engineer	
Contract role(s) / brief description of responsibilities		Mr. Morales will serve as a PROJECT ENGINEER on this contract. He meets MPR Nos. 1, 2, and 3 and the MPR for Traffic Control Supervisor.		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).			
LaDOTD PROJECT EXPERIENCE:				
11/12 – 12/12	Drainage Rehabilitation – DeQuincy Industrial Airpark, DeQuincy, LA – Engineer. This project included improving safety and providing a long-term solution to drainage and erosion issues around the infield inlets. Mr. Morales was responsible for providing designs for drainage improvements, new structures, and upgrades to the existing systems.			
03/12 – 09/12	Perimeter Fence and Gate Improvements – DeQuincy Industrial Airpark, DeQuincy, LA – Engineer. This project consisted of removing the existing fence, clearing the property boundary, and installing approximately 13,415 linear feet of chain-link perimeter fence and gates to serve as a security fence. The items of work included removing existing barb-wire fencing, clearing and grubbing the property boundary, constructing new chain-link fencing and gates, installing erosion control measures, and seeding areas of disturbed soil.			
02/13 – 06/18	LaDOTD Retainer Contract for Design-Build Support Services – Baton Rouge, LA - Design Review Manager. This contract involved providing construction inspection and quality assurance for statewide design-build transportation projects. Services included project initiation, design-build procurement support, contract administration and management, design and construction quality acceptance (owner verification), construction engineering and inspection (CE&I), partnering, public information support, document control, and dispute resolution.			
03/14 – 06/18	LaDOTD US 90 (I-49 S) CE&I – Baton Rouge, LA – Design Review & QA/QC. Mr. Morales was responsible for providing design oversight, quality assurance of project construction plans and construction engineering support to field personnel.			
11/03 – 08/07	Old Hammond Highway (US 61 to Millerville Road) – Baton Rouge, LA – Design Engineer. Mr. Morales was responsible for the design and preparation of preliminary and final plans. The project involved the widening of LA 426 to a five-lane urban section for approximately six kilometers and the design of			



	several major and minor intersections. The roadway consisted of four 3.6-meter travel lanes and one 4.3-meter continuous turn lane with curb and gutter sections and subsurface drainage.
04/18 – 10/19	Pecue Lane/I-10 Interchange – Baton Rouge, LA – Design Engineer. Mr. Morales provided design services of related earthwork and MSE retaining walls of twin girder span bridges over I-10 in Baton Rouge. The project employed the use of a Diverging Diamond Interchange, which is the first one used in the State of Louisiana.
10/11 – 03/15	LaDOTD I-10 Widening Design-Build Project – Baton Rouge, LA – Design Quality Manager. Mr. Morales performed design oversight of the widening of the mainline of I-10 from four lanes to six lanes, including signage and median barrier. Other improvements consisted of modification of drainage structures to accommodate the widened highway, modification and upgrade of the existing lighting, guardrail, and pavement markings.
11/08 – 03/10	Staring Lane Extension Phase I, (Burbank Drive – LA 42 to Highland Road) (Green Light Program) – Baton Rouge, LA – Project Manager/Designer. Mr. Morales was responsible for the design and production of final plans including base and final right of way maps to extend Staring Lane to Burbank Drive. The project included constructing a new four-lane/five-lane curb and gutter roadway utilizing subsurface drainage. Sidewalk improvements, turn lanes, pedestrian crosswalks, pavement markings and signalization, as well as additional safety improvements, subsurface drainage, and earthwork were also included as part of the improvements.
02/07 – 06/09	Comite Drive (Plank Road to Cline Drive) – Baton Rouge, LA - Project Manager/Design Engineer. The work for this project involved upgrading the two-lane rural roadway to a three-lane curb and gutter section. Mr. Morales was responsible for project management and coordination of all designs including a concrete slab, five-span bridge, geometric realignment (horizontal and vertical), new pedestrian sidewalks, pavement markings and signalization, pedestrian safety improvements at the intersection of Plank Road with Comite Drive, subsurface drainage design, sequence of construction, earthwork, typical sections, quantity calculations, and project development.
02/01 – 08/03	Bluebonnet Boulevard Extension from Nicholson Drive to Burbank Drive – Baton Rouge, LA – Project Manager and Designer. Mr. Morales provided all aspects of design related services including geometric design, subsurface drainage, and quantity calculations. This project included widening of Bluebonnet Boulevard to a four-lane and five-lane urban section for approximately 2.5 miles and the widening of Bluebonnet Boulevard Extension to a four-lane urban roadway with a raised median, curb and gutter sections, and subsurface drainage for approximately 2.5 miles.

16. STAFF EXPERIENCE (CONT.)

Firm employed by: 				
Name	LISA SCHWARTZ		Years of relevant experience with this employer	11
Title	DOCUMENT CONTROL SPECIALIST		Years of relevant experience with other employer(s)	9
Degree(s) / Years / Specialization		Bachelor of Science / 1992 / Business Administration		
Active registration number / state / expiration date		N/A		
Year registered	N/A	Discipline	N/A	
Contract role(s) / brief description of responsibilities		Ms. Schwartz will serve as the DOCUMENT CONTROL SPECIALIST on this contract.		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).			
PROJECT EXPERIENCE:				
05/18 – Present	CEI Resurfacing year 1, 2, 3 & 5 (2018-2020 & 2022) – Beaufort County, SC – Document Control Specialist. This resurfacing project consists of resurfacing over 46 miles of roadways throughout Beaufort County. Construction activities include cleaning and edging preparations, milling of roadways, 6” full depth patching, leveling, resurfacing or thin lift asphalt preservation, applying new pavement markings and raised pavement markers, and re-establishing roadway shoulders. Ms. Schwartz serves as the Document Control Specialist responsible for project file management compliant with SCDOT and municipal standards, logging and tracking material samples, test reports, materials certifications, and project submittals, monitoring inspector daily work reports, asphalt roadway inspection reports, and SCDOT lab reports, and organizing and taking project photos throughout duration of projects.			
10/15 – 08/19	Featured Project US 21 (Boundary Street) Redevelopment – Beaufort County, SC – Document Control Specialist. Ms. Schwartz served as the CE&I Construction Office Administrative Assistant and Document Control Specialist for this project which included the construction management and CE&I for 1.72 miles of roadway improvements which include a portion of Boundary Street and First Street. The Boundary Street improvements consisted of two 11-foot travel lanes in each direction separated by a variable grass median, curb and gutter, upgraded traffic signals, underground utility duct bank system, and multi-use path for pedestrians. The First Street improvements consisted of two 10-foot travel lanes in each direction, 8-foot parking lanes, curb and gutter, sidewalks, and an underground utility duct bank system. Ms. Schwartz worked closely with the Project Manager and jobsite inspectors as needed. She created and maintained project files in compliance with the SCDOT system. She was responsible for entering and tracking new material submittals, certifications into SCDOT program (ProjectWise, Site Manager, and VMware), logging inspector daily reports, maintaining project photos, monitoring RFI and change order logs, tracking plan revisions and updates, project email communications, meeting minutes and voice recordings, daily contractor quantity reports, AS-1 sheets, answering phones, entering payments for estimates, and assisting with estimate documentation.			



06/18–06/21	<p>Indefinite Civil Engineering Services Contract – Town of Hilton Head, SC – Document Control Specialist. Coligny Roads Project: This project consisted of improving access and roadway infrastructure to support the future park and museum at the Coligny Circle Park. Ms. Schwartz served as a Document Control Specialist responsible for maintaining project records, project status updates, construction documentation and project closeout information. South Island Transportation Projects: The projects in this portion of the contract include: Pope Avenue and Office Park Road Intersection, Pope Avenue at New Orleans Road Intersection, Lemoyne Avenue, Coligny Area/Pope Avenue, Nassau Street, Lagoon Road, Tanglewood Avenue, and South Forest Beach Drive. Ms. Schwartz served as a Document Control Specialist responsible for maintaining project records, logging and tracking material samples, test reports, materials certifications, project submittals, monitoring inspector daily work reports, change order and estimates preparation, data collection, municipal and federal regulations, project status updates, construction documentation and project closeout information.</p>
11/10–09/15	<p>SC 802 Bridge and Roadway – Beaufort, SC – Document Control Specialist. Ms. Schwartz served as administrative assistant and Document Controls Assistant for the construction office. The project consisted of widening SC 802 from US 21/SC 802 to Ribaut Road from two to four lanes and included a new two-lane bridge across the Beaufort River. It also included widening SC 802 from SC 280 to SC 170 from two lanes to four lanes. Ms. Schwartz was responsible for setting up a new office, creating a functioning filing system, answering phones, managing SCDOT required documentation (bridge and road), entering and logging daily inspector reports, sample and certification entries, transcribing meeting minutes, and logging project submittals, schedules, and timesheets. She assisted project supervisors and employees as needed and maintained a quantity tracking system comparable to the SCDOT program (Site Manager).</p>

16. STAFF EXPERIENCE (CONT.)

Firm employed by: 				
Name	SUMMER HOWELL		Years of relevant experience with this employer	2
Title	PUBLIC OUTREACH COORDINATOR		Years of relevant experience with other employer(s)	20
Degree(s) / Years / Specialization		Bachelor of Administration/ 2020 / Business Administration		
Active registration number / state / expiration date		N/A		
Year registered	N/A	Discipline	N/A	
Contract role(s) / brief description of responsibilities			Ms. Howell will provide PUBLIC OUTREACH services on this contract.	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).			
PROJECT EXPERIENCE:				
<p>Ms. Howell serves as a Strategic Business Manager for ICE as part of the Maintenance and Construction Engineering and Inspection departments. She is an excellent communicator who brings a thorough understanding of contract comprehension, logistics coordination, resource management efficiency, and budget adherence. Beginning her career working for the Florida Department of Transportation, District 2, paired with her continued and extensive work history with multiple FDOT districts as part of private industry, she has a thorough understanding of the FDOT’s policies, procedures, and goals, along with the preferred distinctions of each District. Ms. Howell’s multiple years as an industry leader in asset maintenance also has her uniquely qualified to comprehend, process, and manage several pertinent Department programs including Plans Review (ERC), Permits Review and Approvals (OSP), Maintenance Rating Program (MRP) Surveys, Uniform Inspections of Rest Areas, Welcome Centers, Weigh Stations, and Truck Comfort Stations, E-Maintenance Applications (SAMS, ISPE, & HWLO), Survey 1-2- 3, Sign Inspections (Reflectivity; Single and Multi-Post), Type I and II Attenuator Inspections, Work Order Completions (Stormwater and Bridge; all priorities), and Asset Maintenance Performance Evaluation Reviews (AMPER).</p>				
07/22 – 10/22 (est.)	SR 390 (East 14th Street) from East of SR 77 (Ohio Avenue) to SR 75 (US 231), FDOT District 3 – Bay County, FL – QA/QC Manager. This is a 4.06 mile federally funded resurfacing project that involves raising the roadway conditions to meet Maintenance Rating Program (MRP) standards on SR 390 which is currently a two-lane undivided section. The project also includes making minor safety improvements to the roadway conditions until future multi-laning occurs. The scope of the work involves milling, resurfacing, clearing and grubbing, improving signalized intersection, and installing pedestrian signals, ditch pavement, pipe, mitered end sections (MES), endwalls, guardrail, lighting, sidewalk, concrete barriers, traffic separators, gravity walls and retaining walls, signs, and pavement markings.			



01/21 – 11/21	DBI Services (DeAngelo Brothers, Inc.) – Statewide, Florida – Director of Business Development and Client Relations. Ms. Howell managed and directed the identification, development, and captured new business prospects in Florida. She explored opportunities to diversify and expand to new markets within and outside of the industry. She examined possible risks and potentials for the business's growth and attended meetings with clientele while also working with active operations to manage client relationships for contract compliance and customer satisfaction. Ms. Howell managed the business development associate team and conducted weekly sales meetings with entire Florida senior leadership personnel to track efforts, allocated resources, and provided guidance to achieve pipeline goals. She served on the liaison industry team to public entities to explore innovative approaches and established contract guidelines to accomplish mutual goals safely and fairly.
11/18 – 01/21	DBI Services (DeAngelo Brothers, Inc.) – Statewide, Florida – District Manager. Ms. Howell managed all asset maintenance projects managed by DBI in North Florida with a geographical area that included Pensacola to Jacksonville, Lake City to Orlando, and across the First and Space Coasts mirroring FDOT Districts 2, 3, and 5. She supervised all asset management contracts in the region for client contact compliance, safety assurance, budgetary goals, and workforce satisfaction. She worked alongside all project managers in the region to support their operational needs and project goals. Ms. Howell focused on clear and open communications with her team members and partners while providing safe and operationally sound work plans.
08/13 – 10/18	DBI Services (DeAngelo Brothers, Inc.) – Statewide, Florida – Senior Project Manager. Ms. Howell maintained all critical and non-critical operational and budgetary functions for the roadway facilities project with FDOT District 2. She provided full oversight of multiple direct reports and vendors to ensure proper maintenance of 30 rest areas, weigh stations and welcome centers to include all roadway components, lighting, HVAC, plumbing, water and wastewater operations. Furthermore, she managed contract compliance and supervised the respective project managers for additional maintenance projects based in the north Florida area to include the FDOT D2 I-10/I-75 Roadway and D2 Putnam County projects, and the GDOT D4 Guardrail project. Ms. Howell served on the FDOT Statewide Facilities Inspection Handbook Task Team as an industry representative. She also oversaw the successful emergency response efforts of Hurricane Irma in D2 that impacted thousands of evacuees that entered the northeast region of Florida from multiple parts of the state.
08/00 – 02/08	Florida Department of Transportation, District 2 – Lake City, FL – ROW Agent and Business Damages Coordinator. Ms. Howell completed the FDOT Right-of-Way Agent training program to include real estate appraisal, acquisition, relocation, and business damage events. She prepared and coordinated right of way work program efforts for District 2's 5-year work program for parcel production and acquisition processes through eminent domain. She oversaw all business damage claims for all property owners within construction project limits.

16. STAFF EXPERIENCE (CONT.)

Firm employed by: 				
Name	JASON ONELLION		Years of relevant experience with this employer	3
Title	LEAD INSPECTOR		Years of relevant experience with other employer(s)	12
Degree(s) / Years / Specialization		<u>Certifications:</u> ATSSA Flagger, TCT, TCS Embankment/ Base Course Asphaltic Concrete Paving Structural Concrete PCC Paving		
Active registration number / state / expiration date		N/A		
Year registered	N/A	Discipline	N/A	
Contract role(s) / brief description of responsibilities		Mr. Onellion will serve as a LEAD INSPECTOR on this contract. He meets the MPR for Traffic Control Supervisor.		
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 time specified in the applicable MPR(s).			
LaDOTD PROJECT EXPERIENCE:				
04/22 – Present	Featured Project LA1: Port Allen Canal Bridge Replacement Phase 1 HBI CE&I – West Baton Rouge Parish, LA – Certified Inspector. (Sub Consultant to Richard C. Lambert Consultants, LLC) Inspector for the construction of a new LA 1 southbound bridge over the Intracoastal Canal, approach roadway, Ernest Wilson Dr., and 2 at grade railroad crossings in Port Allen, La in West Baton Rouge Parish. The approach LA 1 southbound roadway will be Portland Cement Concrete Pavement and Ernest Wilson Dr. will be Asphalt Concrete Pavement.			
03/20 – 09/20	Loyola Drive Interchange – Jefferson Parish, LA – Lead CQCF Inspector. Project included concrete reinforcing inspection, concrete pours, pile driving, earthwork, and concrete paving inspection QA/QC services. This was under the jurisdiction of Louisiana DOTD so all inspection work was required to be completed according to DOTD specs and utilizing DOTD forms. The scope of work included embankment inspection / testing, concrete paving inspection, formwork inspection, steel inspection, pile driving inspection, and concrete inspection/testing. Responsibilities included ensuring inspectors were scheduled for daily project operations, ensuring all sampling and testing were performed, and entering all data into Site Manager.			
12/19 – 03/20	Woodmere Boulevard – Jefferson Parish, LA – Lead Inspector. Services included formwork inspection, steel inspection, ADA (sidewalks and ramps), concrete inspection/testing, batch plant inspections, material sampling (2059), Site Manager/Site Manager Materials data entry and QA/QC services for the PCC patching for Jefferson Parish. All work was completed according to DOTD specs.			



04/19 – 03/20	Montgomery Avenue Montgomery Avenue – West Monroe, LA – Primary Inspector. This project consisted of providing quality assurance services for the asphalt cold planning, PCC patching, and asphalt overlay. Because the roadway lies under the jurisdiction of Louisiana DOTD, all work was required to be completed according to LA DOTD specs. The scope of work included concrete, embankment, and asphalt inspection, batch plant inspections, material sampling (2059), Site Manager/Site Manager Materials Data entry, laying cross drainpipe, formwork inspection, steel inspection and ADA inspections including sidewalks, bike paths, ramps, sidewalk/bike path RR crossing.
04/19 – 12/19	North 4th Street – West Monroe, LA – Primary Inspector. This project consisted of providing quality assurance services for the asphalt cold planning, PCC patching, and asphalt overlay. Because the roadway lies under the jurisdiction of Louisiana DOTD, all work was required to be completed according to LA DOTD specs. The scope of work included laying cross drainpipe, formwork inspection, steel inspection, concrete inspection/testing, ADA (sidewalks and ramps), and asphalt inspection/testing. Jason was responsible for concrete, embankment, and asphalt inspection and batch plant inspections, material sampling (2059), and Site Manager/Site Manager Materials Data entry.
06/18 – 04/19	I-10 Highland to LA 73 Widening – Baton Rouge, LA – Primary/Lead Inspector. This project consisted of providing QA/QC services for the widening of I-10 in Baton Rouge, Louisiana. Because the road lies under the jurisdiction of Louisiana DOTD, all inspection work was required to be completed according to LaDOTD specs and utilizing LaDOTD forms. The scope of work included embankment inspection / testing, concrete paving inspection, formwork inspection, steel inspection, pile driving inspection, and concrete inspection/testing. Jason was responsible for concrete reinforcing inspection, concrete pours, pile driving, earthwork, and Concrete Paving inspection.
05/15 – 09/16	West Causeway Approach – Jefferson Parish, LA – Primary Certified Inspector. Project consisted of inspecting and testing for ADA compliant sidewalks and ADA ramps, extending turn lanes, curb and gutter and adding bulb outs. Since the roadway lies under the jurisdiction of Louisiana DOTD, all work was required to be completed according to DOTD's specs. The scope of work included embankment inspection/ testing, asphalt paving inspection, formwork inspection, steel inspection, and concrete inspection testing.

16. STAFF EXPERIENCE (CONT.)



Firm employed by: 				
Name	BOBBY MULLINS		Years of relevant experience with this employer	3
Title	CERTIFIED INSPECTOR		Years of relevant experience with other employer(s)	30
Degree(s) / Years / Specialization		<u>Certifications:</u> ATSSA Flagger, TCT, TCS Embankment/ Base Course Asphaltic Concrete Paving Structural Concrete PCC Paving		
Active registration number / state / expiration date		N/A		
Year registered	N/A	Discipline	N/A	
Contract role(s) / brief description of responsibilities		Mr. Mullins will serve as a CERTIFIED INSPECTOR on this contract. He meets the MPR for Traffic Control Supervisor.		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).			
LaDOTD PROJECT EXPERIENCE:				
08/22 – Present	Bonita Railroad Overpass Replacement – Morehouse Parish, LA – Inspector. Mr. Mullins is providing inspection services on the replacement of the Bonita Railroad Overpass.			
06/22 – Present	Boeuf River Bridge Replacement – Kilbourne, LA – Inspector. Mr. Mullins is providing inspection services on the replacement of the Boeuf River Bridge.			
12/20 – Present	Various Airfield Projects – Statewide, LA – Lead Inspector. Mr. Mullins is providing senior inspection services for a variety of airfield projects including a runway rehabilitation at False River Regional Airport, a taxiway widening at Houma-Terrebonne Airport, and a jet bridge installation at Lake Charles Regional Airport.			
03/20 – 12/20	Montgomery Avenue – West Monroe, LA – Lead Inspector. This project included sidewalk replacement, constructed handicap ramps, laying cross drainpipe, formwork inspection, steel inspection, concrete inspection/testing, and asphalt inspection/testing. Mr. Mullins was responsible for concrete, embankment, and asphalt inspections, batch plant inspections, material sampling (2059), Site Manager/Site Manager Materials data entry, quality assurance services for the asphalt cold planning, PCC patching, and asphalt overlay. All work was completed according to DOTD specs.			
03/19 – 12/20	North 4th Street – West Monroe, LA – Lead Inspector. This project included construction of sidewalk and handicap ramps, laying cross drainpipe, formwork inspection, steel inspection, concrete inspection/testing, and asphalt inspection/testing. Mr. Mullins was responsible for concrete, embankment and asphalt inspections, batch plant inspections, material sampling (2059), Site Manager/Site Manager Materials Data entry, quality assurance services for the asphalt cold planning, PCC patching, and asphalt overlay. Because the roadway lies under the jurisdiction of DOTD, all work was required to be completed according to DOTD specs.			

03/16 – 11/18	US 90 (Future 1-49) Widening – Broussard, LA – Primary Inspector. Mr. Mullins provided owner verification (OV) and inspection services for this project that lies under the jurisdiction of Louisiana DOTD. All inspection work was required to be completed according to DOTD specs utilizing DOTD forms.. The scope of work included construction of sidewalks, embankment inspection / testing, asphalt paving inspection, formwork inspection, steel inspection, pile driving inspection, and concrete inspection/testing.
04/90	LA 546 – Monroe, LA – Primary Inspector. Mr. Mullins inspected pipe installation and excavation and embankment. He also assisted with drill shafts, caps, diaphragms, setting girders, seeding, stripping, and surveying.
05/93 – 03/94	Kansas Lane – Monroe, LA – Primary Inspector. Mr. Mullins was responsible for performing inspection services for this project that consisted of the removal of existing structures, pipe installation, HMA paving, PCC paving, traffic striping, and construction of new drainage structures.
05/94	LA 610 – Monroe, LA – Primary Inspector. Mr. Mullins was responsible for performing inspection services for this project that consisted of the removal of existing structures, pipe installation, excavation and embankment, lime treatment, base course, HMA paving, seeding, striping, and surveying.
10/95	Turn Lane at 557 – Monroe, LA – Primary Inspector. Mr. Mullins was responsible for performing inspection services for this project that consisted of excavation and embankment, pipe installation, base course (stone), HMA paving, striping, and erosion control.
12/95	Bennett Bayou Bridges – Monroe, LA – Inspector. Mr. Mullins assisted in the inspection of excavation and embankment, structural concrete (box culvert), HMA paving, seeding, and striping.
04/96 – 11/97	Highway 2 – Farmerville, LA – Inspector. Mr. Mullins assisted in the inspection of excavation and embankment, structural concrete (box culvert), pipe installation, and soil cement
01/93 – 08/94	Chaney Lake Phase III – Monroe, LA – Primary Inspector. Mr. Mullins was responsible for performing inspection services for this project that included excavation and embankment, pipe installation, base course (soil cement), HMA paving, seeding, striping, and surveying.
01/93 – 08/94	Chaney Lake Phase II – Monroe, LA – Primary Inspector. Mr. Mullins was responsible for performing inspection services for this project that consisted of excavation and embankment, pipe installation, base course (soil cement), HMA paving, seeding, striping, and surveying.
11/92	North 18th Street – Monroe, LA – Primary Inspector. Mr. Mullins inspected pipe installation and assisted in the inspection of precast box culverts, structural concrete (wing walls), excavation and embankment, base course (stone), HMA paving, PCC paving, curb & gutter, sidewalk, striping, and seeding.
05/95	Forsyth Extension – Monroe, LA - Primary Inspector. Mr. Mullins was responsible for performing inspection services for this project that consisted of excavation and embankment, pipe installation, catch basins, soil cement, HMA paving, seeding, striping, curb & gutter; helped with pile driving, caps, and bridge deck pours.
10/93	Deloutre Bridge – Monroe, LA – Primary Inspector. Mr. Mullins inspected excavation and embankment, pipe installation, and soil cement. He also assisted in the inspection of HMA paving, seeding, and striping and helped with pile driving and structural concrete pours on the bridge.


16. STAFF EXPERIENCE (CONT.)

Firm employed by: 				
Name	CARL HARWELL		Years of relevant experience with this employer	<1
Title	SUPERVISOR; CERTIFIED INSPECTOR		Years of relevant experience with other employer(s)	35
Degree(s) / Years / Specialization		<u>Certifications:</u> ATSSA Flagger, TCT, TCS Embankment/ Base Course Structural Concrete Asphaltic Concrete Paving PCC Paving District Laboratory Operator		
Active registration number / state / expiration date		N/A		
Year registered	N/A	Discipline	N/A	
Contract role(s) / brief description of responsibilities		Mr. Harwell will serve as a CERTIFIED INSPECTOR and as a MATERIALS LAB SUPERVISOR on this contract. He meets the MPR for Traffic Control Supervisor and is a Certified Lab Manager.		
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 time specified in the applicable MPR(s).			
LaDOTD PROJECT EXPERIENCE:				
08/22 – Present	Bonita Railroad Overpass Replacement – Morehouse Parish, LA – Inspector and Lab Manager. Mr. Harwell is providing inspection and lab testing services on the replacement of the Bonita Railroad Overpass.			
06/22 – Present	Boeuf River Bridge Replacement – Kilbourne, LA – Inspector and Lab Manager. Mr. Harwell is providing inspection and lab testing services on the replacement of the Boeuf River Bridge.			
07/87 – 04/22	<p>LaDOTD District 05 – Monroe, LA – Engineering Technician 7. Mr. Harwell provided supervision of field and laboratory technicians. During his time at the LaDOTD District 05 Materials lab, Mr. Harwell worked with Project Managers to schedule and perform, if needed, the daily field and laboratory tasks. He established work standards in coordination with the Civil Department Manager, determining the number and qualifications of personnel, as well as the equipment and material necessary, to satisfy workload demands. Mr. Harwell also directed and coordinated a staff of field and laboratory technicians in the testing of a wide variety of materials. He ensured that the department had the necessary resources. He monitored testing activity to ensure that tests and observations were properly performed, logged. He also assisted the Civil Department Manager with technical development and validation of new methods, as well as modifications to existing methods. Mr. Harwell also performed related work as required maintain AASHTO and DOT accreditations. Projects Mr. Harwell provided testing services for over the course of his tenure include:</p> <p>04/17 – 04/22: Arkansas Road 5/95 Forsythe Extension 01/20 – 02/21: Vicksburg Bridge Resurfacing 05/95 – 03/95: Kansas Lane 01/93 – 08/94: Caney Lake Phases I & II 01/88 – 01/90: I-20: Millhaven – Start</p>			

16. STAFF EXPERIENCE (CONT.)

Firm employed by: 				
Name	WILL HARWELL		Years of relevant experience with this employer	<1
Title	CERTIFIED INSPECTOR		Years of relevant experience with other employer(s)	7
Degree(s) / Years / Specialization		<u>Certifications:</u> ATSSA Flagger, TCT, TCS Embankment/ Base Course Asphaltic Concrete Paving Structural Concrete Asphaltic Plant PCC Paving		
Active registration number / state / expiration date		N/A		
Year registered	N/A	Discipline	N/A	
Contract role(s) / brief description of responsibilities		Mr. Harwell will serve as a CERTIFIED INSPECTOR on this contract. He meets the MPR for Traffic Control Supervisor.		
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 time specified in the applicable MPR(s).			
LaDOTD PROJECT EXPERIENCE:				
08/22 – Present	Bonita Railroad Overpass Replacement – Morehouse Parish, LA – Inspector. Mr. Harwell is providing inspection services on the replacement of the Bonita Railroad Overpass.			
06/22 – Present	Boeuf River Bridge Replacement – Kilbourne, LA – Inspector. Mr. Harwell is providing inspection services on the replacement of the Boeuf River Bridge.			
12/18 – 08/22	LaDOTD District 05 – Monroe, LA – Engineering Technician 5. Mr. Harwell served as a Senior Inspector on the following projects: LA 818 and LA550 Cross Drain Replacement Cypress Creek Bridge I-20 Ramp Rehabilitation – Lincoln and Ouachita Parishes.			
07/17 – 12/18	LaDOTD District 05 – Monroe, LA – Engineering Technician 3-4. Harwell served as the co-lead inspector on the I-20 concrete patching project. His responsibilities included handling all Site Manager work necessary for the project and working directly with the contractor to assure all work met state specifications.			
07/16 – 07/17	LaDOTD District 05 – Monroe, LA – Engineering Technician 2. Mr. Harwell’s responsibilities included helping lead inspectors on state construction projects. Projects Mr. Harwell provided inspection services for over the course of his tenure include: I – 20 District Wide Asphalt Patching Job (Mississippi River Bridge, Vicksburg – Bienville Parish Line) Jackson Street Revitalization – Monroe.			
07/15 – 07/16	LaDOTD District 05 – Monroe, LA – Engineering Technician 1. Mr. Harwell’s responsibilities included helping lead inspectors on state construction projects. Projects Mr. Harwell provided inspection services for over the course of his tenure include: Ruby Road Bridge Steep Bayou Bridge Replacement (Highway 80) – West Monroe on Hwy 80.			

17. FIRM EXPERIENCE

Firm name			Past Performance Evaluation Discipline(s)*	CE&I/OV
Project name	LA1: PORT ALLEN CANAL BRIDGE REPLACEMENT PHASE 1 HBI CE&I		Firm responsibility (prime or sub?)	SUB
Project number	H. 001234	Owner's name	LaDOTD	
Project location	West Baton Rouge Parish, LA		Owner's Project Manager	Brian Delatte
Owner's address, phone, email	1201 Capitol Access Rd., Baton Rouge, LA 70804, 225-379-1823, brian.delatte@la.gov			
Services commenced by this firm (mm/yy)	04/22	Total consultant contract cost (\$1,000's)		\$7,376
Services completed by this firm (mm/yy)	Present	Cost of consultant services provided by this firm (\$1,000's)		\$200

Featured Personnel: Jason Onellion




The LA 1: Port Allen Canal Bridge Replacement project is a significant crossing that affects traffic flow through West Baton Rouge Parish and can significantly impact traffic flow on Interstate 10 and Baton Rouge. The project location directly impacts the Port of Baton Rouge, Port Allen Locks, the Union Pacific Railroad Yard, and multiple industrial businesses. The prime consultant for this project is RCL Consultants, LLC.

This project includes construction of a new LA 1 southbound bridge over the Intracoastal Canal, approach roadway, Ernest Wilson Dr., and 2 at grade railroad crossings in Port Allen, LA in West Baton Rouge Parish. The new LA 1 southbound bridge will be on a new alignment to the west of the existing bridges. It will consist of LG-72 & LG-78 PPC Girders spans, hunched steel plate girder main spans, column bents and pile footings. The approach LA 1 southbound roadway will be Portland Cement Concrete Pavement and Ernest Wilson Dr. will be Asphalt Concrete Pavement.

Phase 1 will utilize traffic shifts and phased construction. The traffic shifts and proposed phased bridge construction will be complex with many considerations of constructability, such as crane placement and lifting capabilities, lane shift lengths and site distance, longitudinal profiles for safe transitions from one structure alignment to another, and work above and adjacent to the Port Allen Lock. The project involves asphalt concrete, portland cement concrete, embankment and base course, structural concrete, and bridge coatings. After construction is complete, the northbound and southbound will remain on the new bridge while the existing northbound bridge will function as an on-ramp to I-10.



17. FIRM EXPERIENCE (CONT.)

Firm name			Past Performance Evaluation Discipline(s)*	CE&I/OV	
Project name	US 21 (BOUNDARY STREET) REDEVELOPMENT			Firm responsibility (prime or sub?)	PRIME
Project number	062315E	Owner's name	Beaufort County		
Project location	Beaufort, SC		Owner's Project Manager	Andrea Atherton	
Owner's address, phone, email	100 Ribaut Road, Beaufort, SC 29902 / (843) 255-2693 / aatherton@bcgov.net				
Services commenced by this firm (mm/yy)	11/2015	Total consultant contract cost (\$1,000's)			\$2,006
Services completed by this firm (mm/yy)	06/2018	Cost of consultant services provided by this firm (\$1,000's)			\$1,968

Featured Personnel: Billy Coleman, PE, and Lisa Schwartz

This redevelopment project took place along US 21 between Neil Road and Ribaut Road and included improvements to First Street between Hogarth Street and the US 21 and SC 170 intersection. It also consisted of improvements such as the addition of a raised median, construction of a **multiuse path, landscaping, lighting, signal work, and undergrounding existing overhead utilities.**

ICE performed construction management and CE&I services for this project and was responsible for conducting construction coordination meetings, reviewing and maintaining records of plans, specifications, shop drawings, monitoring construction, preparing construction reports, documenting the projects progress, specification conformance and quality control, survey verification and overseeing the performance of materials sampling and testing to verify conformance with plans and specs. In addition, ICE worked with the county to help manage the complex funding mechanisms for the project, including a **federal TIGER grant.**


These services also required reviewing construction inspection reports and communicating effectively with the contractors, if necessary, regarding non-conformance, analyzing contract change requests, recommending a course of action, and reviewing construction progress estimates for payment to ensure the work performed followed the plans and specs. Additionally, ICE was responsible for performing all project close-out activities which included final inspections and submitting project-close-out documents to the County.



Constructability Review: Beaufort County engaged ICE's services to perform a detailed constructability review which proved worthy enough to rescind the contract that was awarded to a contractor in 2014. **Billy Coleman, PE** performed the constructability review of the available plan set and determined several issues with respect to construction phasing/traffic control, utility coordination/duct bank installation, pay item quantities, coordination of plan sub-sets, adhering to SCDOT design criteria, and various minor items. ICE, in conjunction with the contractor's input, redesigned the entire set of traffic control phasing plans as the original designers failed to design the plans in accordance with the standards. This allowed the contractor to accelerate their construction schedule as well. ICE saved the County numerous contractor claims, delays, and associated monies. ICE was engaged by BJWSA, SCANA, and Beaufort County to provide surveys, utility coordination, and general project coordination throughout the limits of the proposed US 21 Boundary Street project over the last year and several months.

Extensive Utility Coordination During Construction: Due to the location of this project, issues arose while trying to install the underground duct bank. The installation required extensive design requirements and coordination with various utility owners. ICE's effective communication with the utility owners resulted in the issues being resolved quickly and allowed the project to remain on schedule.

17. FIRM EXPERIENCE (CONT.)


Firm name			Past Performance Evaluation Discipline(s)*	CE&I/OV
Project name	MATHEWS DRIVE WIDENING & PATHWAY PROJECT, PHASE I (SOUTH) – HILTON HEAD ISLAND, SC		Firm responsibility (prime or sub?)	PRIME
Project number	N/A	Owner's name	Town of Hilton Head	
Project location	Hilton Head Island, SC		Owner's Project Manager	Jeff Buckalew
Owner's address, phone, email	1 Town Center Ct, Hilton Head Island, SC 29928 / (843) 341-4772 / jeffb@hiltonheadislandsc.gov			
Services commenced by this firm (mm/yy)	2008	Total consultant contract cost (\$1,000's)		\$16,355
Services completed by this firm (mm/yy)	2011	Cost of consultant services provided by this firm (\$1,000's)		\$14,484

Featured Personnel: Billy Coleman, PE

This project consisted of widening one mile of the existing two-lane roadway section with open ditches to a three-lane roadway with dedicated left turn lanes, curb and gutter with planted raised medians, and a closed drainage system. ICE was responsible for coordinating all utility relocations and provided all utility companies with relocation plans with a two-month window to relocate their facilities prior to the contractor mobilizing to the site. ICE provided construction management and all inspection related services including material sampling and testing for the entire project. Additionally, all quality control and quality assurance measures were performed as necessary to ensure the project was built in accordance with the plans, specifications, and contract documents. ICE was also responsible for performing a constructability review on the original design and assisted the Town in obtaining the SCDOT encroachment permit. **A full redesign of the project was provided, saving the Town of Hilton Head over \$750,000 with a Value Engineering concept that was approved and implemented.**

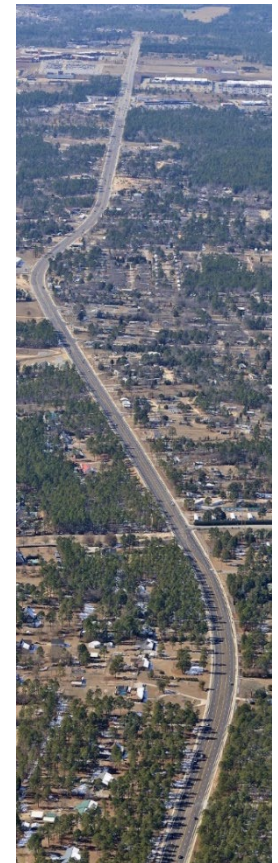


17. FIRM EXPERIENCE (CONT.)


Firm name			Past Performance Evaluation Discipline(s)*	CE&I/OV
Project name	SC 602/PLATT SPRINGS ROAD WIDENING PROJECT – LEXINGTON, SC		Firm responsibility (prime or sub?)	PRIME
Project number		Owner's name	SCDOT	
Project location	District 1, South Carolina		Owner's Project Manager	Ashleigh Sandel
Owner's address, phone, email	1400 Shop Road, Columbia, SC 29201 / (803) 737-7900 / sandelag@scdot.org			
Services commenced by this firm (mm/yy)	2011	Total consultant contract cost (\$1,000's)		\$3,487
Services completed by this firm (mm/yy)	2014	Cost of consultant services provided by this firm (\$1,000's)		\$2,215

The section of SC 602 that is included in this project is approximately five miles in length. ICE was responsible for the construction management including a fulltime resident project engineer, a team of inspectors and a project clerk. ICE provided all quality control material sampling and field testing as necessary to ensure the contractor builds the project in accordance with the plans, specifications, and contract documents. ICE also coordinated all utility relocations, performed survey verification, and was responsible for compiling the record drawings.

This project consisted of widening the existing two-lane roadway section with open ditches **to a five-lane roadway with curb and gutter, sidewalk, bike lanes and a closed drainage system**. The work also included improvements to the numerous side roads that intersect Platt Springs Road. A significant realignment was made at a five-way signalized intersection to improve efficiency and safety. Portions of the project were located in environmentally sensitive areas and ICE was responsible for ensuring that the contractor's work complies with the environmental permits and current regulations. The project also included the replacement of an existing three-barrel box culverts as well as extending and/or replacing several other pipe culverts that are in live streams.



17. FIRM EXPERIENCE (CONT.)

Firm name			Past Performance Evaluation Discipline(s)*	CE&I/OV	
Project name	SCDOT DISTRICT 1 – ON CALL SERVICES			Firm responsibility (prime or sub?)	PRIME
Project number	S-111-12; S-167-15; S-118-17: S-161-20	Owner's name	SCDOT – District 1		
Project location	District 1, South Carolina	Owner's Project Manager	Ashleigh Sandel		
Owner's address, phone, email	1400 Shop Road, Columbia, SC 29201 / (803) 737-7900 / sandelag@scdot.org				
Services commenced by this firm (mm/yy)	07/2013	Total consultant contract cost (\$1,000's)			\$16,355
Services completed by this firm (mm/yy)	Present	Cost of consultant services provided by this firm (\$1,000's)			\$14,484

ICE was contracted through SCDOT to provide CE&I services on an on-call basis for District 1 in South Carolina, and **has been reselected four consecutive times**. This contract is **very similar to an LaDOTD IDIQ** contract as ICE performed work on various projects turnkey, **ICE augmented DOT staff** on various projects, and ICE integrated our resources with DOT staff on various projects. ICE accommodated the DOT's needs regardless of the task or project and most importantly worked alongside DOT engineers and inspectors as an unified team. ICE has performed work on the following projects:

US 1 Widening – The firm's construction division was responsible for inspection of this 3.3-mile project (with 0.5 miles of side roads) that consisted of widening the existing two-lane roadway section with open ditches to a five-lane roadway with curb and gutter, new expanded tapers and a closed drainage system. The work also included replacement of two existing box culverts, as well as extending and/or replacing several other pipe culverts that are in live streams. *Project Value \$10M*

Leaphart Road Bridge Replacement over I-26 – This project consisted of replacing the existing Leaphart Road Bridge that was damaged by a tracker trailer truck that was traveling down I-26. The intersections on both ends of the bridge were also reconstructed to add turn lanes and to tie into the newly constructed bridge. ICE provided construction management, inspection services and survey verification services.

I-26 Widening – ICE provided CE&I and ITS services for this project that consisted of 21 miles of interstate widening and rehabilitation. Ten miles of the interstate was widened from 4 lanes to 6 lanes and rehabilitated for 11 miles. The project also includes the replacement of mainline bridges over CSX RR.

Lockhart Road Bridge Replacement over Little Lynches River – ICE provided CE&I services for this project. The main bridge was 280ft with five bents and the overflow

bridge was 120ft with three bents. This job included the widening of shoulders, installment of pipe culverts and earthwork that was risen to the elevation of the road to match the new bridge approaches. *Project Value: \$3M*

Adaptive Signals Project (Lexington) – ICE provided project management and signal inspection services for this task that included installing mast arms and upgrading each signal system at 19 intersections to an adaptive signal system which allows for timings to change and acclimate themselves based on traffic patterns.

I-20 Widening – ICE provided inspection services during the close-out phase of this project that included erosion control inspection services and punch list items.

ICE is currently providing supplemental CEI services to SCDOT for Federal Aid Resurfacing, Maintenance Resurfacing, & Chip Seal Resurfacing projects.

Rainbow Drive – Lexington County, SC – ICE provided inspection services for the removal and disposal of the existing bridge.

US 76/US 378 over Mill Creek Bridge Replacement – This bridge replacement project consisted of replacing the existing bridge spanning across Mill Creek. The new 120' flat slab concrete bridge consists of concrete pile foundation on the interior bents and steel h-pile foundations on the end bents.

Blythewood Road Bridge Rehabilitation Project – The existing 276-foot-long bridge over I-77 was completed in 1978 and consists of both simply supported and continuous steel girder spans. The deck has significant spalls and delamination, the joint seals and armor plates have failed, the bearings and anchor bolts have deteriorated, and the girders are experiencing rusting and metal loss. ICE was responsible for monitoring interstate bridge rehabilitation activities including bridge deck hydro-demolition, latex-modified concrete deck overlay, bridge jacking and bearing replacement, structural steel blast cleaning and painting, hazardous material containment, and associated traffic control. *Project Value: \$1.9 Million*

18. APPROACH AND METHODOLOGY

Team Experience, Expertise, and Availability

The ICE Team, led by Principal **Randy Carraway, PE**, Principal Advisor, **Billy Coleman, PE** and Project Engineer **Ken Morales, PE**, will leverage decades of CEI/OV experience, managing DOTD projects of various scope and magnitude. Our team includes professionals that have worked for and with LaDOTD for decades. Our Project Engineer, **Ken Morales, PE** is a former LaDOTD project engineer/project manager. Four of our **certified inspectors** have over **80 years of combined LaDOTD inspection and testing experience**.

The Team's project management approach and successful delivery of projects draws from our understanding of construction challenges, environmental aspects, and community factors, and leads to the effective management of these constraints and risks, thereby reducing the potential for schedule delays and minimizing impacts affecting overall project costs. The ICE Team understands the importance of timely project delivery and accurate record keeping, documentation of daily project activities, and proactive claim avoidance coordination.

Our team is well-versed in DOTD procedures and applications, including SiteManager,

ProjectWise, and Headlight. Our inspection team, is currently using the Headlight platform on the **Port Allen Canal Bridge Replacement – Phase I**.



Our combined team **provides 100% availability to LaDOTD and Jefferson Parish for this contract**. We have dedicated personnel to oversee and manage the project with the workflow described in the next section.



Prime consultant name: **Infrastructure Consulting & Engineering, PLLC**

General Project Management Approach

Pre-Construction | There are key components that need to be checked off the list prior to construction commencing to ensure a successful project completion: Accommodating utility relocations and securing permits.

These efforts will be performed on accelerated schedules. Ken Morales will coordinate a pre-construction meeting with the project stakeholders to establish a NTP date and to discuss critical items, milestones, and timelines, as described in the table below. All decisions will be made, and tasks will be performed in full compliance with LaDOTD and Jefferson Parish policies and procedures.

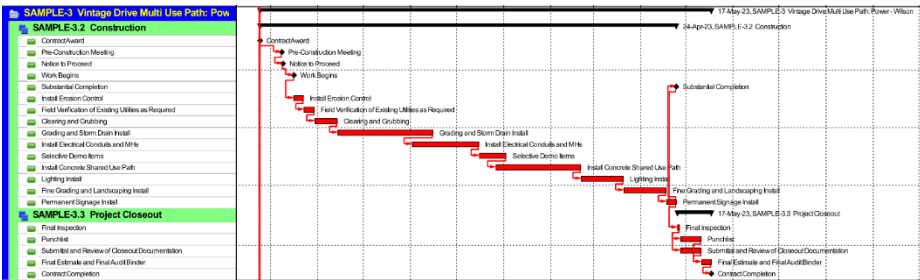


Pre- Construction Meeting Topics		
✓ EEO/DBE/OJT	✓ Material Certifications	✓ Utility Agreements/ROW/Relocation Plans
✓ CPM Schedule	✓ Machine Control	✓ Survey Control and Layout
✓ Contract Time	✓ Shop Drawings, RFIs, Plans	✓ Environmental Plans and Compliance
✓ Subcontractors	✓ Revisions, As Builts	✓ Safety Plans
✓ Liquidated Damages	✓ Change Orders	
✓ Certified Payrolls	✓ Sampling/Testing Requirements	
✓ Escalation Resolution Matrix	✓ MOT/Traffic Plans	
✓ Emergency Communications Plan		

Construction Administration | The ICE Team is prepared to manage construction administration activities. We will follow the project CPM schedule set forth by the contractor and approved by the Project Manager(s). We will work to ensure we avoid delays, and that the contractor has the necessary resources shown in their CPM schedule to construct the project inside the work activity durations provided. ICE will be responsible for tracking the contractor's progress and the associated project documents, such as monthly pay requests or supplemental agreements.

Project Schedule | Following NTP, Ken will review the project schedule provided by the contractor for compliance and use this schedule to properly staff the inspection services required to cover the proposed work activities by the contractor.

Sample Project Schedule



Document Management | When requested, ICE will provide document management services for all submittals, reports, and test results. The Team is very familiar with using SiteManager and contract management software systems (including LAPAVE, ProjectWise, and Headlight) and with developing customized databases to track pay item quantities, test results, testing frequencies, requests for information, etc. Material certification and sample logs will be used to ensure approved materials are incorporated into the project prior to placement. The ICE Team will provide electronic deliverables in accordance with DOTD and Jefferson Parish standards.

Project Documentation | All construction activities, including personnel and equipment, will be monitored through Headlight, including photos and daily inspection notes. All of our inspectors and project engineers are familiar with the Headlight application and are adept at using iPads on the job site.



Inspection and Testing Services | The ICE Team has experienced LADOTD-certified inspectors and technicians in all certification disciplines. Our project inspectors will provide field testing and inspection services using approved equipment and processes to ensure the quality of the work and materials.

ICE has relationships with several AASHTO-accredited laboratories and has opened a lab in Monroe that can provide laboratory testing services if needed. **Carl Harwell**, former LaDOTD Lab Manager in District 05, will lead our testing services.

Jason Onellion will lead our inspection team. All work will be inspected, and quantities will be verified before any pay application is approved. A final estimate package, including Form 2059, will be supplied in accordance with DOTD requirements.

Contractor Submittals | The ICE Team will review and track all items submitted by the contractor as part of the project documentation requirements, including the Sediment and Erosion Control Plan, Detour Plan, and Traffic Control Plan. ICE will include the verification of certifications of the contractor’s personnel, claims review, submittal review coordination and tracking, and concurrence of as-built plans. These submittals will be tracked using a submittal schedule and maintained by document control personnel. The ICE Team will review and verify the contractor’s RFIs and coordinate As-Built Plans and final estimates for accuracy and completion and review and approve shop drawings as necessary.

Contractor Submittals	
✓	Sediment and Erosion Control Plan
✓	Traffic Control Plan
✓	Certification Verification
✓	Claim's Review
✓	RFI's
✓	As-Built Plans
✓	Final Estimates
✓	Shop Drawings

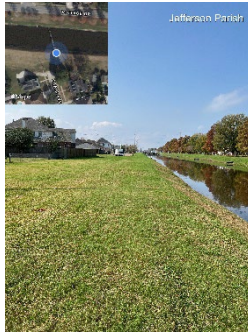
Contractor’s Pay Requests | Accurate quantities for each day of work will be identified by the inspectors assigned to each project and recorded in their daily work reports. The ICE Team’s field inspectors and the contractor’s representative will agree on all materials incorporated into the project daily. This minimizes discrepancies in pay requests and decreases the amount of time required to verify quantities and produce pay estimates. The ICE Team will assist in generating the contractor’s pay request by inputting quantities into SiteManager so that the estimate can be generated. The quantities submitted by the contractor will be easily confirmed or disputed by use of this report, and any disputed quantities shall be extensively researched until an accurate quantity can be confirmed. This process provides appropriate verification as to the accuracy of the contractor’s estimates and allows for the recommendation of such approval.

Claims Avoidance | The ICE Team is fully committed to timely and successful project delivery and claims avoidance on LADOTD and entity contracts. While our inspectors will strive to make appropriate project decisions backed up by the specifications, we realize it is sometimes necessary to elevate issues to Project Engineers quickly to avoid project delays. The key to most project related problems is usually resolved by encouraging and maintaining good communication between all parties. The ICE Team's goal will always be to assist our clients by encouraging open communication between contractors, other agencies, Jefferson Parish, and LaDOTD.

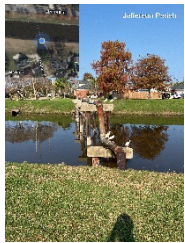
Project- Specific Approach and Understanding

The ICE team has extensive experience in overseeing multi-use pathway projects. We have managed a variety of similar projects and are very familiar with common aspects and potential challenges of this type of project.

This approximately 3,300' long 12' wide concrete shared use path to be constructed runs adjacent to the Vintage Canal, and special consideration for erosion control measures will be taken into account due to the project's proximity to the canal. The multiple washouts area is a major drainage outfall from neighborhood; plans indicate that yard inlets and drainage being installed under this project which should ensure water reaches the canal. Storm Water Pollution Prevention Plan reporting will be a must due to canal and should be kept current throughout project.



Major waterline facilities lie within the project's limits of construction and location of all underground utilities will be daylighted and field verified by survey prior to construction. A conflict resolution sheet will be generated to ensure that the existing water lines do not conflict with the proposed drainage. Drainage will be installed to include nearly 2300 LF of 12" yard drains at a minimum.



There is more egress on the Wilson Road section of the project than on the Power Boulevard section.

Multiple utility crossings appear deep enough to install the 12" of granular material for base under path, but field verification will be necessary. Extensive lighting to include up to 36 light poles will be erected along with over 5000 LF of conduit will be installed. Proposed landscaping will include up to 55 trees varying in height between 10' to 16' will be planted throughout the limits of the project.



The site is in a very sensitive area and vibration, noise and dust controls will be monitored continuously. We are aware a neighborhood noise ordinance will most likely be in place for this project. We understand that homeowners have expressed concerns about the potential increase in transient foot traffic. Our team will work to mitigate and address community and resident concerns regarding noise, traffic disruption, and negative impacts on residents' quality of life.

Our public outreach liaison, **Summer Howell**, has two decades of experience in working with stakeholders and communities to ensure that communication flows freely and seamlessly. Some of our strategies include distributing flyers and leveraging social media outlets, as well as working through local community groups (including HOAs) and leaders to communicate plans and details for any impending closures/detours.

The testing for this project will be mainly concrete as well as some density testing on the base and bedding under the drainage structures. **Carl Harwell** will ensure that all tests are performed in accordance with LaDOTD standards.



The ICE Team will review and track all items submitted by the Contractor as part of the project documentation requirements. These will include project-wide submittals such as the Contractor Quality Control Plan, Sediment and Erosion Control Plan, and Traffic Control Plan. Additionally, all other required submittals such as material certifications, and others as specified in the contract documents, will be required by the Contractor prior to approval for use on the project. Documents will be processed, scanned, electronically filed, hard copy filed, and further distributed, as necessary. Daily Work Reports (DWR) and Material Test Reports will be collected and distributed in a timely manner.



The Contractor's project schedule will be reviewed by our Team and will serve as a tool to gauge the Contractor's progress monthly. Schedules will be required from the Contractor which defines the location and duration of construction activities. This will also allow our Team to prepare for required sampling and testing frequencies. Necessary pre-pour and pre-paving meetings will be scheduled prior to those operations commencing.



Project milestones will be adhered to whether it pertains to a special contract requirement, a phase of construction, or even an interim completion date at the conclusion of construction in conjunction with the DOTD and Jefferson Parish, we will conduct a final inspection. A punch list will be generated during the final inspection, which will include the items to be corrected with a timeframe for addressing all modifications. Once all punch list items have been corrected, a follow-up inspection will be conducted for project acceptance.

Lessons Learned: Innovation and Quality Assurance

ICE is always striving to be at the forefront of the industry by incorporating new ideas and approaches into our work plans. The firm has company-wide management meetings to discuss successful processes utilized in other states as well as other work that we manage. The ICE Team participates in numerous Engineering Associations to keep up with the latest new technologies and construction practices, and ICE is heavily involved in innovative programs, including Design-Build and Public-Private Partnerships, in numerous states. There are many new technologies and construction techniques that evolve from these innovative processes, and we will leverage these “lessons learned” on this project. Both Principal, **Randy Carraway, PE** and Principal Advisor, **Billy Coleman, PE** have extensive experience with these innovative delivery methods.

ICE is currently participating **in the design and construction management of over \$3B worth of projects**. ICE ranks **#45 nationwide in ENR for Construction Management and #70 nationwide for CM/PM-for-fee firms**.

Unique Resources | ICE uses BOX, a cloud-based collaboration platform, that enables engineers and inspectors to access and store plans, specifications, contract documents, and construction manuals from any device anywhere in real time in the cloud. It helps to improve quality and efficiencies for transferring information to document control personnel by uploading pictures or DWRs and for downloading items such as revised plans, approved RFIs, and material certifications. It allows inspection staff to collaborate on multiple tasks like redlining as-built plans or verifying the status of punch list items in the field. BOX is easy to access and is a safe and trusted program used by industry leaders.

Innovation | Boundary Street Redevelopment

ICE performed construction management and CE&I services for the Boundary Street Redevelopment Project which took place along US 21 Beaufort County, South Carolina. It also consisted of improvements such as **the addition of a raised median, construction of a multiuse path, landscaping, lighting, signal work, and undergrounding existing overhead utilities**.



Billy Coleman, PE led the construction management services provided by ICE, including a Constructability Review that identified two major issues with the project: traffic control staging and the utility duct bank. **Both were subsequently refined by the design engineer and incorporated into the plans, saving the county over \$600,000.** In addition, ICE worked with the county to help manage the complex funding mechanisms for the project, including a **federal TIGER grant**. This project won the **2020 ACEC Engineering Excellence – State Honor Award**.

Culture of Growth | ICE invests in the future of engineering. ICE hires interns companywide as a means to find the best personnel available, and we are looking at ways to expand this effort. ICE works with Community Colleges and four-year programs to find the most qualified students that are ready to apply their inventive and creative ideas to a challenging career in the CEI industry.



Independent Testing Laboratory | Inspectors will confirm that sampling and testing is performed in accordance with the frequencies set-forth, that a AASHTO Certified Lab is utilized for testing samples, that asphalt and concrete mix designs are submitted in a timely manner for approval, and that materials incorporated into this project are produced from LaDOTD approved sources and have proper certifications.

Work Zone Compliance | Infrastructure Consulting & Engineering (EF 6428) is licensed by the Louisiana Professional Engineering and Surveying Board to perform professional engineering services. Our Team’s managers, engineers, and inspectors listed in the Minimum Personnel Requirements and on the organizational chart have the necessary certifications. Any other personnel will obtain the necessary certifications prior to contract execution.

Quality Assurance | A project-specific Quality Assurance Plan (QAP) will be developed that provides controls guiding construction activities. It will be tailored to project-specific conditions and requirements and will contain QA and QC protocols and procedures to verify that the project adheres to LaDOTD/parish policies, procedures, standards, and contractual specification.

19. WORKLOAD

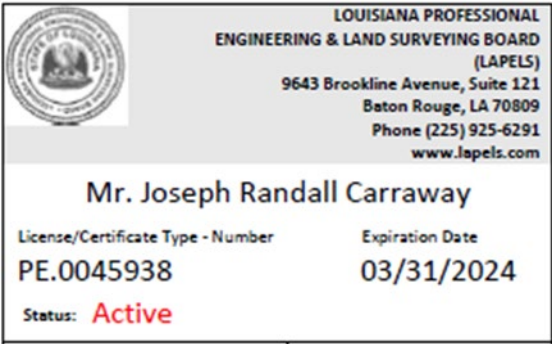
Firm(s)	Past Performance Evaluation Discipline(s) *	State Project Number	Project Name	Remaining Unpaid Balance**
Infrastructure Consulting & Engineering, PLLC	Other (Aviation Program Services)	STATE CONTRACT NO.44-17531 TASK ORDER NO.H.014372	IDIQ For Statewide Aviation Program Update Task Order No.1 – Update LaDOTD DBE Program	\$47,427
Infrastructure Consulting & Engineering, PLLC	Other (Aviation Program Services)	STATE CONTRACT NO.44-17531 TASK ORDER NO.2-H.014372	IDIQ For Statewide Aviation Program Update Task Order No.2 – Wildlife Services	\$57,910
Infrastructure Consulting & Engineering, PLLC	Other (Aviation Program Services)	STATE CONTRACT NO.44-17531 TASK ORDER NO.H.014380.5	IDIQ For Statewide Aviation Program Update Task Order No.3 – Statewide Aviation System Planning	\$1,448,130
Infrastructure Consulting & Engineering, PLLC (Subconsultant to RCL Consultants, LLC)	CEI/OV	STATE PROJECT. NO. H.001234 F.A.P. NO. H001234	PORT ALLEN CANAL BRIDGE REPLACEMENT PHASE 1 HBI CE&I West Baton Rouge Parish	\$21,031

20. CERTIFICATIONS / LICENSES

Firm License: **INFRASTRUCTURE CONSULTING & ENGINEERING, PLLC**



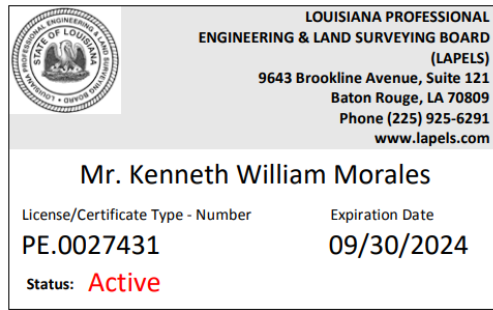
Firm: **INFRASTRUCTURE CONSULTING & ENGINEERING, PLLC**
Personnel: **JOSEPH “RANDY” CARRAWAY**



20. CERTIFICATIONS / LICENSES (CONT.)

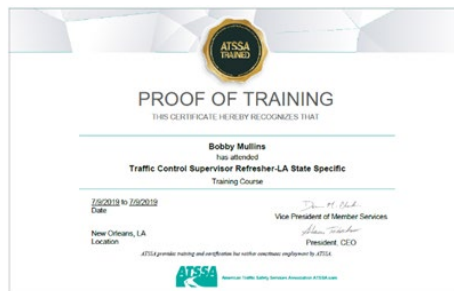
Firm: **INFRASTRUCTURE CONSULTING & ENGINEERING, PLLC**

Personnel: **KEN MORALES, PE**



Firm: **INFRASTRUCTURE CONSULTING & ENGINEERING, PLLC**

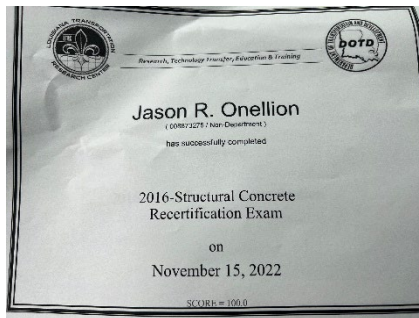
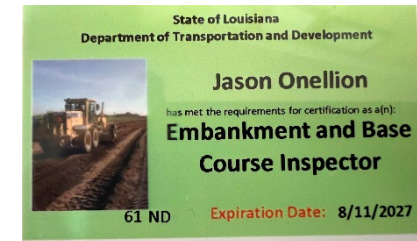
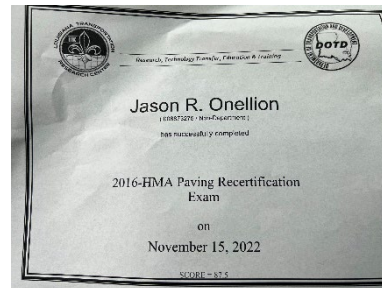
Personnel: **BOBBY MULLINS**



20. CERTIFICATIONS / LICENSES (CONT.)

Firm: **INFRASTRUCTURE CONSULTING & ENGINEERING, PLLC**

Personnel: **JASON ONELLION**



20. CERTIFICATIONS / LICENSES (CONT.)

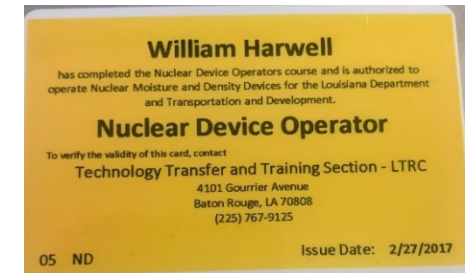
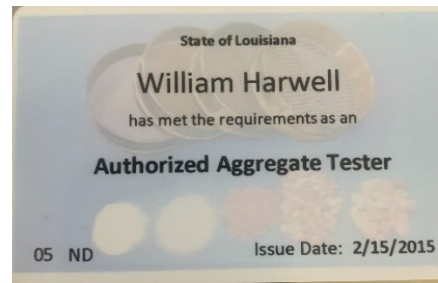
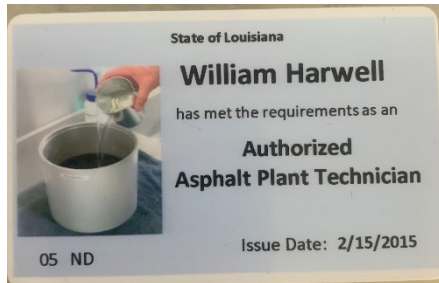
Firm: **INFRASTRUCTURE CONSULTING & ENGINEERING, PLLC**
Personnel: **CARL HARWELL**



20. CERTIFICATIONS / LICENSES (CONT.)

Firm: **INFRASTRUCTURE CONSULTING & ENGINEERING, PLLC**

Personnel: **WILL HARWELL**



21. QA/QC PLAN

Not applicable at this time.

22. SUB-CONSULTANT INFORMATION

No sub consultants were used.

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.