



South Carolina Department of Transportation (SCDOT) - Bridge Package 18

DESIGN-BUILD PROJECT; CONTRACT ID 2662300

Horry County

June 20, 2024

STATEMENT OF QUALIFICATIONS



Submitted by:

Lee Construction Company of the Carolinas, Inc.

and Davis & Floyd, Inc.



DAVIS & FLOYD

PLAN | DESIGN | ENGINEER

3.2 INTRODUCTION

3.2.1 Contracting Entity | Lee Construction Company of the Carolinas, Inc. (Lee) will serve as the contracting entity for this project and is a prequalified prime contractor with the SCDOT. With Davis & Floyd, Inc. (D|F) as the lead designer, the Lee Team will be responsible for the successful delivery of the Design-Build Bridge Package 18. Ronald Paul Shaw of Lee has the authority to sign the contract on behalf of the Team. The project will be managed by Ron Shaw from Lee's headquarters in Pineville, North Carolina. Since 1997, Lee has been a wholly owned subsidiary of W. C. English, Inc. of Lynchburg, Virginia, and can rely on English to provide support in any capacity to ensure the project's needs are met. Please see below for contact information.

3.2.2 & 3.2.3 | Points of contact are listed in the table below.

LEAD CONTRACTOR	LEAD DESIGNER
Lee Construction Company of the Carolinas, Inc. Ronald Paul Shaw, President 633 Eagleton Downs Drive Pineville, NC 28134 P: 704.588.5272 F: 704.588.1535 rpshaw@leecarolinas.com	Davis & Floyd, Inc. Daniel Brice Urquhart, PE; Vice President, Transportation 240 Stoneridge Drive, Suite 305 Columbia, SC 29210 P: (803) 256-4121 F: N/A burquhart@davisfloyd.com

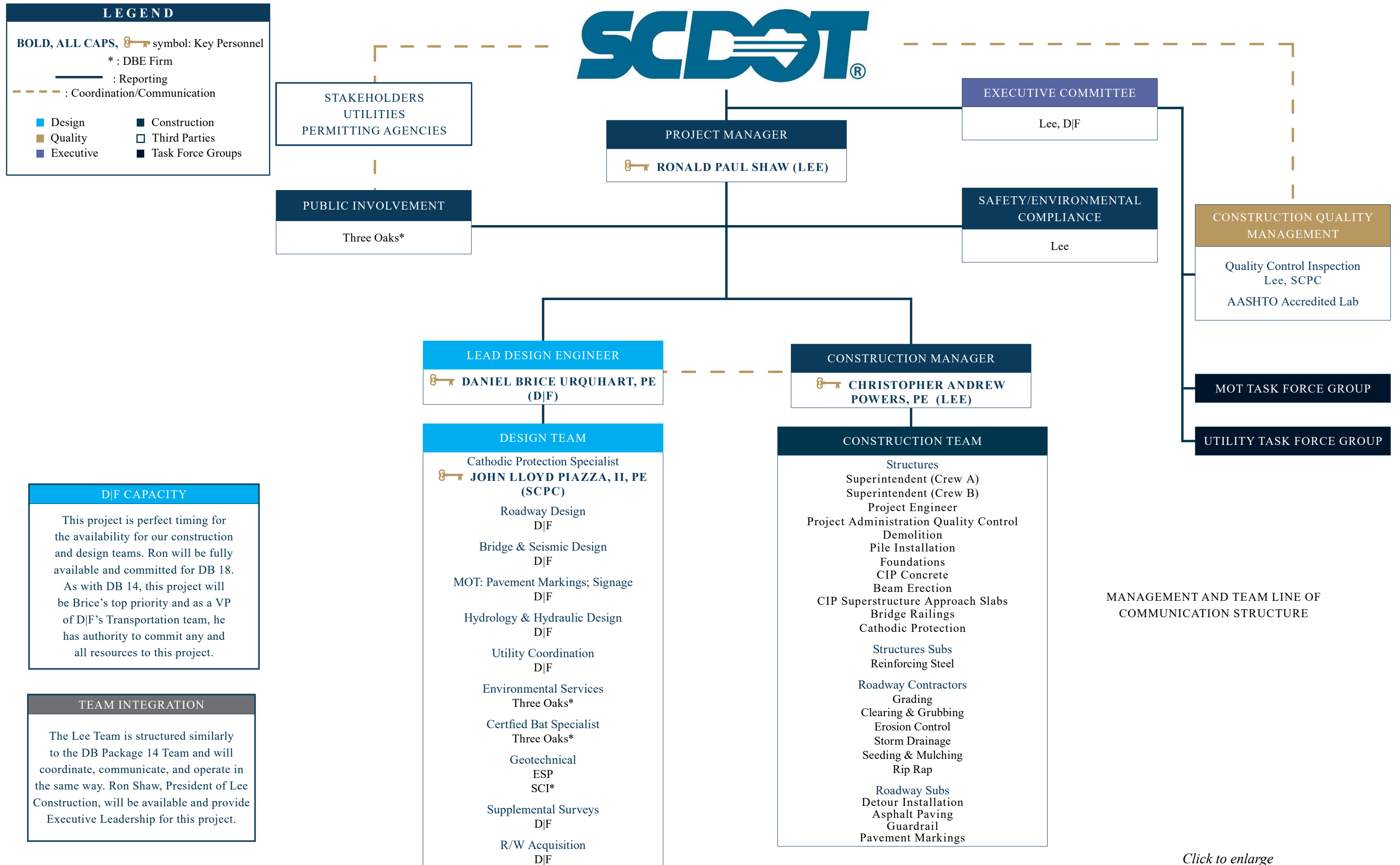
3.2.4 Unique Entity ID

FIRM	ROLE	UNIQUE ENTITY ID
Lee Construction Company of the Carolinas, Inc.	Lead Contractor	PGIQN43DTWT5
Davis & Floyd, Inc.	Lead Designer	HKX9G6LT1617

3.2.5 Commitment of Key Individuals | Our key individuals are fully committed to this project, meeting all SCDOT quality and schedule expectations, and will remain available throughout the project's life. Lee, D|F, and our teaming partners are committed to making this project a top priority: key, lead, and support personnel.

3.3 TEAM STRUCTURE & PROJECT EXECUTION

3.3.1 Organizational Chart, Team Structure, & Team Integration | The organizational chart shown on the following page reflects the functional structure of our Team. It is organized to provide an integrated Team, promote collaboration, and respect the independent roles of those responsible for quality and safety. Our team has been structured based on the successful delivery of DB Package 14. Therefore, we have added capacity and experience to the DB 18 Team as shown throughout the proposal.



Team Structure | The Lee Team has been assembled to promote collaboration, high-level oversight for safety and environmental compliance, and independent quality management for both design and construction. Lee's project manager is Ron Shaw. He will be responsible for managing the design and construction of this project, serving as the SCDOT's point of contact, leading weekly status meetings, and having authority on all project items. Ron has 44 years of construction experience building bridges in the Southeast. With the design of DB 14 scheduled to be completed, Ron will have full capacity to move onto DB 18. Chris Powers, PE, will support Ron during construction. As Construction Manager, Chris will oversee the daily operations of the construction crews. With over 20 years of bridge and heavy civil construction experience, he has spent the last 12 years of his career working in similar roles on South Carolina and North Carolina bridges. In addition to the dozens of bridges Ron and Chris have delivered, they have also worked on several bridges that have required cathodic protection. Brice Urquhart, PE, will support Ron as the Lead Design Engineer. He will manage and coordinate all design services for this project. Brice has over 29 years of experience designing, managing, and providing on-site engineering for over \$2 billion worth of complex bridge and highway projects in multiple states. In addition to its recent success on DB 14, D|F's design team has successfully delivered multiple SCDOT bridge design projects concurrently and has the capacity to deliver DB 18. In 2022, D|F was the lead designer on US 1 over Horse Creek, 378 over 12 Mile Creek, S285 over Rocky Creek, S-415 over Scotts Creek, and S-1486 over North Branch while maintaining design schedule requirements for these projects. John Piazza, II, PE, [Southern Cathodic Protection Company (SCPC)] will support the design team as the Cathodic Protection Specialist. He has over 45 years of experience in cathodic protection and corrosion control engineering, including offshore and international projects. SCPC will also provide a certified on-site specialist during the installation and monitoring of the cathodic protection system. Our team includes an Executive Committee with leadership from Lee and D|F to ensure the project has the necessary resources to successfully deliver these bridges. We are also assembling Task Force Groups (TFGs) to focus specifically on the issues of Utility Relocations and Maintenance of Traffic. They will report to the Executive Committee and SCDOT and will interact with the Project Manager and construction team. Our team has the capacity to design and build multiple bridges concurrently with the same group of designers and builders, maintaining consistent design details to aid in the production, review, and construction of the two bridges.

Functional Relationships and Integrated Team | Lee's Team is structured to utilize impactful experts within each design and construction discipline, ensuring that decades of expertise and lessons learned will guide our team to successfully deliver bridge replacement and rehabilitation projects. The organizational chart provided on the previous page details the clear lines of command and communication for our team. Overall project

management will be led by Ron Shaw (Lee). The success of a project begins with the management structure, and our management and leadership lines of communication can be found on the project organization chart.

Project Administration | There are several key components to delivering a successful design-build project.

These key items have been implemented on several projects led by Lee and are summarized in the table below.

KEY COMPONENTS TO DELIVERING A SUCCESSFUL DESIGN-BUILD PROJECT	
Project Management	Ron Shaw (Lee) has complete authority and decades of expertise to manage the design and construction of this project, making daily decisions to maintain the schedule and meet SCDOT standards and quality. Ron will coordinate with the design team, managed by Brice Urquhart, PE (D F). Brice will meet weekly with the design team and at least biweekly with Lee to manage progress and address potential issues, conflicts, and major decision points.
Communication	Our team will implement the same communication process that successfully delivered the design of DB Package 14. Consistent meetings and open communication allowed for efficient responses and coordination within the DB Team and with SCDOT.
Quality Review	Quality review of both the design and construction tasks will be performed in strict adherence to the quality design and construction guidelines established for this project. Blue Beam will be used for documenting reviews, comments, and responses.
Document Control	Ensure compliance with the SCDOT design and construction submittal process by utilizing a document control specialist to manage and track project documents.
Constructability Reviews	Reviews will be performed for each design submittal prior to submission to the SCDOT.

Prior Collaboration of Team Members | Our team has come together organically through the development of growing relationships among Lee, D|F, subcontractors, and our subconsultants. Below is a list of projects on which we have collaborated.

PROJECT COLLABORATION	DATE	LEE	D F	ESP	OAKS	SCI	SCPC	DESCRIPTION	REFERENCE
SCDOT Design-Build Project 14	2022 - Ongoing	X	X	X	X	X		Lee, D F, & ESP are collaborating on the design and construction of 5 bridges.	Michael Pitts, PE, DBIA pittsme@scdot.org 803-737-2566
Volvo Interchange DB Project Pursuit	2016	X	X					Lee & D F collaborated on this I-26 interchange project pursuit.	Chris Gaskins GaskinsCJ@scdot.org 803-737-1473
SCDOT/ACEC/AGC DB Subcommittee	2019 - 2020	X	X					Ron Shaw (Lee) & Brice Urquhart (D F) served together on this committee.	Chris Gaskins GaskinsCJ@scdot.org 803-737-1473
SCDOT US 378 Bridge Replacement over Twelve Mile Creek	2021 - Ongoing		X		X	X		D F & SCI are collaborating on this bridge replacement project.	Joey McIntyre, PE McIntyreJD@scdot.org 803-737-1842
I-26 Palmetto Commerce Interchange	2013 - Ongoing		X	X	X	X		D F, ESP, & SCI are collaborating on this interchange along I-26.	Mackenzie Kelley MKelley@charlestoncounty.org 803-202-7617
King Street Drainage Improvements	2023 - Ongoing		X				X	D F & SCPC are collaborating on a pump station for drainage improvements.	Carrie Gorsuch cgorusch@cityofbeaufort.org (843) 908-5609

Additionally, our team members have had professional relationships for decades. The table below outlines additional examples of how we have grown these relationships.

PROFESSIONAL COLLABORATION	DATE	LEE	D F	ESP	SCI	OAKS	P&L	DESCRIPTION
Project History	1996-2011	X	X	X				Lee, D F, & ESP team members worked on multiple bridge projects together.
Project History	Varies	X		X			X	Lee has worked with P&L and ESP team members have worked on projects together in the past.
Project History	2023 - 2024	X	X					Lee & D F worked on and submitted a competitive bid on Design-Build 17.
Charity	2022 - 2023	X	X					Ron Shaw (Lee) and Brice Urquhart (D F) played together in three charity golf outings.

3.3.2 Project Resources, Strategies, and Execution

Capacity and Resources | With an 89-year history, Lee has a proven track record of completing work on time and under budget. D|F has over 150 employees across 6 offices in South Carolina. With our Team's strong group of subconsultants, including ESP, SCI, SCPC, and Three Oaks, we have ample resources to deliver these bridges. Our Key Staff will be available for the duration of the project. The table below demonstrates the availability of our Key Staff members for this contract.

KEY STAFF	PROPOSED ROLE	PROJECT	VALUE	LOCATION	STATUS
Ronald Paul Shaw	Project Manager	Design-Build Project 14	\$9M	Cherokee County, SC	100% committed and available for this project.
Christopher Andrew Powers, PE	Construction Manager	Design-Build Project 14	\$9M	Cherokee County, SC	100% committed and available for this project.
Daniel Brice Urquhart, PE	Lead Design Engineer	Design-Build Project 14	\$9M	Cherokee County, SC	100% committed and available for this project.
John Lloyd Piazza, PE	Cathodic Protection Specialist	Reynolds Park Piers	TBD	Clay County Port, FL	John is committed to other projects as well as DB 18. He will assist DB 18 when CPS services are needed.

As DB 14 will be completed, our seasoned construction team members can effortlessly pick up and move to DB 18, capitalizing on their established working relationships and familiarity with our processes. This streamlined transition ensures we uphold our commitment to delivering high-quality results on schedule, while also preparing us to begin the next project promptly. This level of cohesion and proficiency within our team is a key factor in our continued success and client satisfaction. By leveraging the team's existing synergy and expertise, we can efficiently address any challenges that arise, further enhancing our reputation for reliability and excellence in the industry.

Strategies for Implementation | Lee will allocate up to two complete bridge crews to this contract to advance construction while allowing time for design, utility relocations, right-of-way acquisition, and other third-party coordination. The tables on the following page summarizes this strategy of using multiple construction crews to replace the two bridges. The organization and schedule of the project design and construction will be dictated by several factors. The speed at which construction will begin will be dictated by factors like H&H, R/W, utility, and environmental impacts. We will initiate the project by commencing work on the most available work items. Subsequently, we will assess various factors impacting the project timeline, including R/W considerations, permitting requirements, and utility considerations, to optimize the allocation of construction resources. The rehabilitation of the S-154 bridge will require close evaluation and coordination among the design team members to ensure that the cathodic protected substructure has the capacity to support the new superstructure. Another schedule impact for consideration is the potential addition of the Tricolored Bat to the endangered species list. May through July and December through February could be designated restricted time lines for tree clearing. ESP Associates has certified bat specialists that will guide the team on schedule restrictions and help us adhere to the new rulings. As with DB 14, we will look to progress the R/W acquisition process and obtain right of entry permission so clearing, utility relocation, erosion control, and other items can be started prior to RFC plans.

After careful consideration of the project requirements and the skill sets of our team members, we have developed a comprehensive staffing plan that optimizes the allocation of personnel resources for Bridge Package 18. The proposed work items each entity will perform, detailed on the chart below, are based on assessment of each entity's capabilities, current availability, and commitment to the project.

Construction and Design Tasks

CONSTRUCTION AND DESIGN TASKS	
LEE	Demolition, Pile Installation, Foundations, CIP Concrete, Beam Erection, CIP Superstructure, Approach Slabs, Bridge Railings, Cathodic Protection System Installation
D F	Design Management, Roadway Design, Structure Design, Maintenance of Traffic, Pavement Markings, Signing, Design Quality Control, Hydraulic Design, Seismic, Hazardous Materials, R/W Acquisition, Supplemental Surveys, Utility Coordination, QC During Construction
SUBCONTRACTORS	Grading, Clearing & Grubbing, Erosion Control, Seeding, Storm Drainage, Rip Rap, Asphalt Paving, Guardrail, Pavement Markings, Reinforcing Steel, Stay-in-Place Forms, Grooving
SUBCONSULTANTS	Cathodic Protection System (Design and On-Site Monitoring) - Southern Cathodic Protection Company, Environmental Services, Public Involvement, Bat Specialists - Three Oaks Engineering, Geotechnical - ESP & SCI

Labor and Equipment Resources - Lee has the resource capacity to successfully complete this project, including staffing, equipment, financial, and technological resources. With seven structure crews and a minimum of two to be completely committed to this project, we are prepared to deliver a comprehensive staffing approach. Our team will seamlessly transition some of the resources and team members from DB 14 to DB 18. Since 1997, Lee has been a wholly owned subsidiary of W. C. English, Inc. of Lynchburg, Virginia, and can rely on English to provide support in any capacity to ensure the project's needs are met. Lee has an unlimited bonding capacity and has a current backlog of \$46 million. It is estimated that Lee's backlog will be at \$15 million when DB 18 starts in 2025.

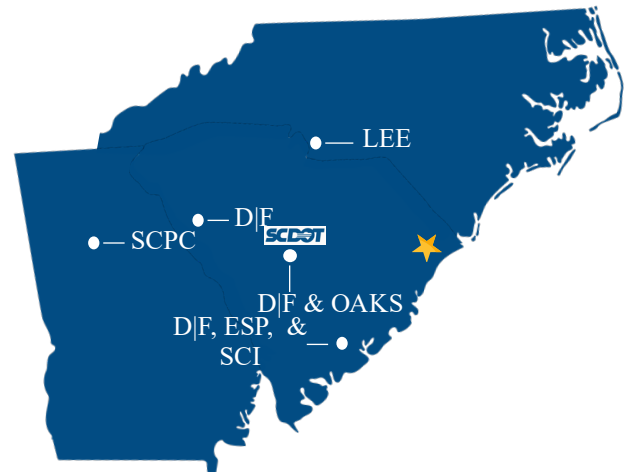
LABOR RESOURCES			EQUIPMENT RESOURCES		
CLASSIFICATION	ON STAFF	REQUIRED	CLASSIFICATION	ON STAFF	REQUIRED
Carpenters	12	6	Cranes (50 Ton - 300 Ton)	6	2
Carpenter Helpers	4	2	Vibratory Hammers	2	1
Structures Foreman	4	2	Pile Impact Hammers	2	1
Operator Crane	4	2	Manlifts	4	1
Laborers	12	6	Dozers	2	0
Pile Driving Foreman	2	1	Excavators	6	2
Equipment Operators	2	2	Loaders	2	0

As part of the due diligence for submitting this proposal, our team visited each project site and reviewed the provided information. This provided us with a better perspective on the key challenges associated with these projects, including nearby schools and bus stops, impacts on wetlands and streams, utility relocations, tidal flow (S-154), construction restrictions, and access for cathodic protection system installation. Despite these bridges being relatively short and built on alignment, they present complex challenges. However, our highly skilled and experienced team has the expertise to design and implement tailor-made solutions that align perfectly with the unique requirements of these bridge sites. As demonstrated by our success in designing and constructing DB Package 14 bridges and pursuing DB Package 17, our team will use the design criteria and project constraints to develop the best-fit alternatives for each of these project sites.



Geographical Location of Team | Weekly progress meetings are an invaluable communication and coordination tool and will be utilized by our Team. Preconstruction meetings will include all design and contractor leads to provide status and needs impacting the schedule. The design team will attend construction meetings with SCDOT to address RFIs, utility items, or other construction-related items. Contractor and design team members are located so that project site visit requests can be quickly accommodated. Standing agenda items at these meetings will include R/W acquisition, utility relocations, and permitting. We will also use an updated CPM schedule to facilitate a “Look Ahead” discussion. As indicated on the table to the right, members of the design Team are located in Columbia, Charleston, and Greenwood, making meetings simple to organize, whether they are onsite or at SCDOT headquarters. Lee has a superintendent who resides locally in Horry County, and, as previously noted, Lee has multiple bridge crews located nearby that are prepared to mobilize for this contract. Additionally, SCPC is based out of Atlanta, GA, and will be there for the CP systems portions of the project. Our team can swiftly mobilize to SCDOT offices or the project sites.

CHARLOTTE AREA, NC
Lee Construction Company of the Carolinas, Inc.
COLUMBIA, SC
Davis & Floyd, Inc.
CHARLESTON AREA, SC
ESP Associates, Inc.; Soil Consultants, Inc.
GREENWOOD, SC
Davis & Floyd, Inc.
ATLANTA, GA
Southern Cathodic Protection Company



Encouraging DBE Participation | The Lee Team promotes access to and participation in our projects by Disadvantaged Business Enterprises (DBEs), and we are familiar with many DBE firms in the Horry County area. To encourage DBE participation, we intend to utilize local outreach programs, solicitations, team meetings, and the SCDOT DBE offices. Lee has always met or exceeded the goals established by the SCDOT on previous projects. Opportunities for DBE participation are guardrail installation, stay-in-place form installation, hauling, and reinforcement steel installation. In addition, our design Team includes Three Oaks Engineering for environmental services, bat specialists, and public involvement, and Soil Consultants, Inc. for geotechnical drilling and testing. Our team is structured to exceed the 14.2% (14% construction, 0.2% design) for this project.

3.4 EXPERIENCE OF KEY INDIVIDUALS

Resumes of Key Individuals | Key Individual resumes are included in Appendix A. The individuals and firms are licensed for performing the necessary work. Our Key Individuals are capable and experienced to serve SCDOT on Bridge Package 18. The table below highlights a few of the unique qualifications and experience of each of our Team's Key Individuals to fulfill the necessary roles for this project.

PROJECT MANAGER - Lee Construction Company of the Carolinas, Inc.



RONALD PAUL SHAW

- 44 years of construction experience including field and office: all aspects of bridge construction from marine, highway, private, and public
- Responsible for all of Lee's annual P&L and an active CAGC member including committees in South Carolina
- Recent experience in key design-build projects including Design-Build 14

CONSTRUCTION MANAGER - Lee Construction Company of the Carolinas, Inc.



CHRISTOPHER ANDREW POWERS, PE

- 21 years of bridge construction experience including field and office
- Professional Engineer for construction designs, overseeing projects in South Carolina and North Carolina
- Recent experience in key design-build projects including Design-Build 14

LEAD DESIGN ENGINEER - Davis & Floyd, Inc.



DANIEL BRICE URQUHART, PE

- 29 years of experience designing, managing, and providing on-site engineering for over \$2 billion worth of complex bridge and highway projects in multiple states
- Recent experience includes serving as the Lead Design Engineer for key design-build projects, such as Design-Build 14.

CATHODIC PROTECTION SPECIALIST - Southern Cathodic Protection Company



JOHN LLOYD PIAZZA, PE

- 45 years of experience in cathodic protection/corrosion control engineering
- Registered Professional Engineer in 13 states
- Certified NACE International Corrosion Specialist

3.5 PAST PERFORMANCE OF TEAM

3.5.1 Experience of Proposer's Team | Work History and Quality Forms for the Contractor and Lead Designer are provided within [Appendix B](#). Key Individual participation is noted in Section G, as applicable. The table below highlights relevancies for each of the contractor and designer projects.

WORK HISTORY PROJECT RELEVANCY		FIRM	COMPLETION YEAR	BRIDGE OVER WATER	MULTISPAN BRIDGE	DESIGN-BUILD	UTILITY RELOCATIONS	STAGED(S)/NEW ALIGNMENT(A)/DETOUR(D)
Construction	Emergency Bridge Replacement Package 5 Design Build, Clarendon County, SC	LEE	100%; 2017	•	•	•	•	D
	Emergency Bridge Replacement Package 2 Design Build, Richland County, SC	LEE	100%; 2016	•	•	•		D
	Design-Build Bridge Package 14, Cherokee County, SC	LEE	100%; Anticipated - 11/2024	•	•	•	•	D
Design	Design-Build Bridge Package 14, Cherokee County, SC	D F	100%; 2023	•	•	•	•	D
	Port Access Road Design-Build, Charleston County, SC	D F	100%; 2022	•	•	•	•	A
	US 378 Bridge Replacement over 12 Mile Creek, Lexington, SC	D F	100%; 2021	•	•		•	S, A
	US 76 Westbound over Wateree, Richland & Sumter Counties, SC	D F	100%; 2022	•	•		•	D
	US 1 over Horse Creek, Aiken County, SC	D F	100%; 2023	•	•		•	S, A, D
	US 278 Bridge Replacement over Three Runs Creek, Aiken County, SC	D F	100%; 2020	•	•			D
	S-285 (Airport Road) over Rocky Creek, Greenwood SC	D F	100%; 2024	•	•		•	D
	Brick Chimney Road Improvements - Phase 1	D F	100%; 2020	•			•	A



3.5.2 Quality of Past Performance | None of our Team firms or individuals on our Team have a history of being suspended, debarred, disqualified from bidding, or declared ineligible for work by any entity or are any such actions pending against them within the last five years. Lee has responded yes to a project of similar scope being delayed more than 30 days. The project had instances of weather-related events and was during the COVID-19 pandemic. The issue was settled amicably. The reference is Jared Bragg, RCE. His contact information is (803) 324-3545 and braggjk@scdot.org. See [Appendix C](#) for additional information on the project. [3.6](#), [3.7](#), and [3.8](#) are addressed in the appendices of this proposal.

Appendix A

Key Individual Resume Forms



KEY INDIVIDUAL RESUME FORM

Brief Resume of Key Individual anticipated for the Project.		
a.	Name & Title: RONALD PAUL SHAW President, Lee Construction Company of the Carolinas, Inc.	
b.	Role of Key Individual for this Project: Project Manager	
c.	Name of Firm with which you are now associated: Lee Construction Company of the Carolinas, LLC	
d.	Years of Experience: With this Firm 29 Years	With Other Firms 16 Years
<div style="display: flex; justify-content: space-between;"> <div style="width: 80%;"> <p>Lee Construction Company of the Carolinas, Inc. Charlotte, NC: President Responsible for running the company including company P/L, corporate reporting, estimating, engineering, all field operations, safety, EEO and licensing. 2004 – 2023</p> <p>Lee Construction Company of the Carolinas, Inc.: VP/Operations Manager Responsible for the field and shop operations for the company, primarily overseeing all projects, production, employees, equipment, schedules, etc. 1995 – 2004</p> <p>The Hardaway Company, Columbus GA: Started in 1980 with this Heavy Civil Contractor working on heavy civil projects in the Southeast. Positions held included; Surveyor, Field Engineer, Project Engineer, Assistant Superintendent, Superintendent, Project Manager, and Area Manager. 1980 – 1995</p> </div> <div style="width: 15%; text-align: center;">  </div> </div>		
e.	Education: University of North Carolina at Charlotte / Charlotte, NC / BS / 2002 / Civil Engineering Technology Erie Community College / Buffalo, NY / AAS / 1979 / Construction Technology	
f.	Active Registrations: Licensed General Contractor in South Carolina (G97421) and North Carolina (40139), Ronald P. Shaw is the qualifier for the license that renews every year, since 1998.	
g.	Document the extent and depth of your experience and qualifications relevant to the Project. Design-Build Package 14, Cherokee County, SC Key Personnel Role: Project Manager Experience with Current Firm: Lee Construction Company of the Carolinas, Inc. Project/Assignment Duration: February 2023 to present Owner Contact: SCDOT / Michael Pitts, PE, Assoc. DBIA / PittsME@scdot.org / 803-737-2566 Design/Construction Value: \$9M Lee Construction teamed with D F to design/build five bridges in Cherokee County, South Carolina. These five low-volume secondary road bridges are structurally deficient and functionally obsolete which included S-56 over Horse Creek, S-106 over Suck Creek, S-226 over unnamed stream, S-138 over Goucher Creek and S-86 over King Street. Projects were closed or load restricted bridges that will be with single span and multi-span configurations. His specific responsibilities included coordinating with designers, utility companies, and property owners; scheduling the work crews; procuring equipment; selecting and coordinating subcontractors; and coordinating submittals. He attended weekly meetings on site to coordinate activities with the production crews and SCDOT.	

SCDOT Emergency Design Build Bridge Replacement (5512330), Florence County, SC

Key Personnel Role: Project Manager

Experience with Current Firm: Lee Construction Company of the Carolinas, Inc.

Project/Assignment Duration: Project 2/2017 – 11/2017, assigned for the duration

Owner Contact Information: SCDOT / AJ Bostic, RCE / Bosticta@scdot.org / 803.661.4730

Design/Construction Value: \$3,350,000.00



This project includes 4 bridge replacements in District 5, South Carolina. Carolina Bridge Contractors hired Lee to replace two of the structures in Florence County, SC. These were also a result of damage suffered by storms. The work included detour routes, demolition, pile installation, cast in place substructure concrete, cored slab construction, and associated roadway work including grading, paving, grassing, guardrails, and pavement lines. **His specific responsibilities included coordinating with the prime contractor, scheduling the work crews, procuring equipment, selecting subcontractors, and coordinating submittals.**

SCDOT Bridge Replacement (5188530 / P026923), Lee & Sumter Counties, SC

Key Personnel Role: Project Manager

Experience with Current Firm: Lee Construction Company of the Carolinas, Inc.

Project/Assignment Duration: Project 1/2019 – 10/2019, assigned for the duration

Owner Contact Information: SCDOT / Will Fulton, RCE / fultonjw@scdot.org / 803.775.3501

Design/Construction Value: \$5,215,461.00



This project includes 2 miles of reconstruction with 1 bridge replacement on Highway 401 north of Sumter, SC. The work included a detour route, demolition of the existing structure, drilled shaft installation, pile installation, cast in place substructure concrete, precast beams, cast in place decks, and associated roadway work including grading, paving, grassing, guardrails, and pavement lines. **His specific responsibilities included coordinating with SCDOT, scheduling the work crews, procuring equipment, selecting subcontractors, and coordinating submittals.** He attended monthly meetings on site as necessary to coordinate activities with the production crews and SCDOT.

SCDOT Bridge Repairs (5352130), District 3

Key Personnel Role: Project Manager

Experience with Current Firm: Lee Construction Company of the Carolinas, Inc.

Project/Assignment Duration: Project 7/2019 – 6/2021, assigned for the duration

Owner Contact Information: SCDOT / Joe Fowler, RCE / fowlerjm@scdot.org / 864.587.4720

Design/Construction Value: \$3,271,848.00




This project includes bridge repairs on numerous bridges in District 3. Similar to an on-call contract, the SCDOT identified over 30 bridges for Lee to perform repair work. The work included detour routes or lane closures, flagging traffic, traffic control, deck removal, spall repairs, full depth patching, joint repairs and replacement, latex overlay, hydro blasting, pile encasement, pavement lines, etc. **His specific responsibilities included coordinating with SCDOT, scheduling the work crews, procuring equipment, recommending and selecting materials, and coordinating submittals.** He attended meetings on site as necessary to coordinate activities with the SCDOT.

h. For Key Personnel required to be on-site full-time for the duration of construction, provide a current list of assignments, role, and the anticipated duration of each assignment.

Ron is currently working on Design-Build Package 14 and will transition to Design-Build 18. He will be 100% responsible for the project.

KEY INDIVIDUAL RESUME FORM

<p>Brief Resume of Key Individual anticipated for the Project.</p> <p>a. Name & Title: CHRISTOPHER ANDREW POWERS, PE Senior Project Manager</p>	
<p>b. Role of Key Individual for this Project: Construction Manager</p>	
<p>c. Name of Firm with which you are now associated: Lee Construction Company of the Carolinas</p>	
<p>d. Years of Experience: With this Firm <u>12</u> Years With Other Firms <u>14</u> Years</p>	
<p>Lee Construction Company of the Carolinas, Inc.: Senior Project Manager – Responsible for engineering, scheduling, equipment allocation, and cost control. Christopher is currently the Construction Manager for Package DB 14. 2012 – Present</p> <p>Kiewit Infrastructure South Co.: Engineer, Structures Superintendent, Estimator – Responsible for field construction and coordination, engineering, and project estimating, 2005 – 2012</p> <p>MACTEC Engineering & Consulting: Staff Engineer – Responsible for on-site quality control during foundation construction and evaluated subsurface conditions, 2004 – 2005</p> <p>United States Army Corps of Engineers: Engineer Officer – Planned and coordinated engineering, training, and logistics operations 1998 – 2003</p>	
<p>e. Education: United States Military Academy / West Point, NY / Bachelor of Science / 1998 / Civil Engineering - Structural</p>	
<p>f. Active Registrations 2012 / SC / Civil / 30158; 2012 / NC / Civil / 039515; 2011 / GA / Civil / PE036669</p>	
<p>g. Document the extent and depth of your experience and qualifications relevant to the Project.</p> <p>Design-Build Package 14, Cherokee County, SC Key Personnel Role: Construction Manager Experience with Current Firm: Lee Construction Company of the Carolinas, Inc. Project/Assignment Duration: February 2023 to present Owner Contact: SCDOT / Michael Pitts, PE, Assoc. DBIA / PittsME@scdot.org / 803-737-2566 Design/Construction Value: \$9M</p> <p>These five low-volume secondary road bridges are structurally deficient and functionally obsolete which included S-56 over Horse Creek, S-106 over Suck Creek, S-226 over unnamed stream, S-138 over Goucher Creek and S-86 over King Street. Projects were closed or load restricted bridges that will be with single span and multi-span configurations. Responsibilities include management of all construction activities, including scheduling Lee’s crews and subcontractors, for roadway and bridge construction. He is responsible for implementing site safety plan, traffic control and meeting the quality control plan. He is also responsible for cost-control and schedule updates. Chris attends all biweekly construction meetings.</p>	

SCDOT Emergency Repairs Package 2, Richland County, SC

Key Personnel Role: Project Manager

Experience with Current Firm: Lee Construction Company of the Carolinas, Inc.

Project/Assignment Duration: Project 2015 - 2016, Assigned 2015 - 2016

Owner Contact Information: SCDOT / Allen Thompson / ThompsonJA@scdot.org / 803.699.5068

Design/Construction Value: \$3.5 Million



This design-build project includes 2 emergency bridge replacements and associated approach roadway and drainage work in Richland County, South Carolina. **Responsibilities included coordination with designers, construction submittals, construction engineering, scheduling, and cost control.**

SCDOT District 4 Bridge Replacements, York & Union County, SC

Key Personnel Role: Project Manager

Experience with Current Firm: Lee Construction Company of the Carolinas, Inc.

Project/Assignment Duration: Project 2014 - 2015, Assigned 2014 - 2015

Owner Contact Information: SCDOT / Shane Parris / ParrisSL@scdot.org / 864.478.5760

Design/Construction Value: \$2 Million



This project included replacement of 3 bridges in District 4 South Carolina and associated approach roadway and drainage improvements. **Responsibilities included construction submittals, construction engineering, scheduling, subcontractor coordination, and cost control.**

Pennies for Progress 3 – SC 274 / S-177 Widening & Bridge Replacements, SC

Key Personnel Role: Project Manager

Experience with Current Firm: Lee Construction Company of the Carolinas, Inc.

Project/Assignment Duration: Project 2019 - 2021, Assigned 2019 - 2021

Owner Contact Information: York County / Steven Moss / steven.moss@yorkcountygov.com / 803.818.5734

Design/Construction Value: \$7.6 Million



Lee performed as a subcontractor on this project replacing 3 bridges in York County, South Carolina. **Responsibilities included construction submittals, construction engineering, scheduling, crew and subcontractor management, and cost control.**

h. For Key Personnel required to be on-site full-time for the duration of construction, provide a current list of assignments, role, and the anticipated duration of each assignment.

Chris Powers is currently working on Design-Build 14 and his role will end ahead of the Design-Build 18 project start..

KEY INDIVIDUAL RESUME FORM



DAVIS & FLOYD
PLAN | DESIGN | ENGINEER

Brief Resume of Key Individual anticipated for the Project.	
a.	Name & Title: DANIEL BRICE URQUHART, PE Vice President -Transportation Market Sector Lead
b.	Role of Key Individual for this Project: Lead Design Engineer
c.	Name of Firm with which you are now associated: Davis & Floyd, Inc.
d.	Years of Experience: With this Firm <u>9</u> Years With Other Firms <u>20</u> Years <u>Davis & Floyd, Inc.:</u> Vice President, Transportation Market Sector Lead – Brice is responsible for the development and management of transportation projects in South Carolina. With his background in large Design-Build bridge projects, Brice has been focused on developing and leading teams for SCDOT bridge projects. As leader of the Transportation Sector, Brice oversees the distribution of work and project progress for all transportation projects and has the authority to set his schedule and priorities. Like his role on the Design-Build Package 14 project, Brice is currently the Lead Design Engineer and is committed to leading the design and ensuring design needs are met for the Design-Build Package 17 bridge projects. Brice also served on the ACEC/AGC/SCDOT Design-Build Subcommittee. 2015 – present <u>FIGG Bridge Engineers:</u> For 20 years, Brice was responsible for designing, managing, and providing on-site engineering for over \$1 Billion worth of complex transportation projects for FIGG. Many of these projects were Design-Build or similar delivery methods such as Alternative Design and CMGC. In the last 10 years of his tenure, Brice was intimately involved with the management of \$381M in construction cost of these delivery methods. <u>Regional Director, Northeast Office</u> – Responsible for managing the Northeast Office, project development and pursuit and principal management of several projects. Brice was responsible for managing the distribution of work, maintaining design budgets and schedules, correspondence and meetings with owner and contractor, contract negotiations, and billing. Some of the projects include projects include the \$189M I-76 Allegheny River Bridge and interchange project in Pittsburgh, PA; the \$95M (Alternative Design) Monongahela River Bridge in Brownsville, PA; the \$60M Design-Build I-91 Brattleboro Bridge Replacement Project in Brattleboro, VT; and the \$55M Design-Build Crum Creek Viaduct Replacement in Swarthmore, PA, 2006 – 2015 <u>Project Manager</u> – Responsible for supervising the construction inspection of over 5 miles of expressway built along the median of the “F” rated highway, Lee Roy Selmon Crosstown Expressway, Tampa, FL, 2003 – 2006 <u>Senior Bridge Engineer</u> – Responsible for performing superstructure and substructure quality design checks on the Victory Bridge in Sayreville, NJ, and the Lee Roy Selmon Crosstown Expressway in Tampa, FL, 2001 – 2003 <u>Bridge Inspector/Assistant Resident Engineer</u> –Brice performed CEI on the 3.5 mile Garcon Point Bridge built entirely over the Pensacola Bay and inspected the footings, piers, and superstructure for this environmentally sensitive area and was promoted to Assistant Resident in 1999. Brice continued his CEI career as the lead Project Engineer for the construction of 9 miles of JFK AirTrain – an elevated light rail bridge and Design-Build project around the JFK Airport in NY. Brice worked with the contractor and was responsible for temporary support and span setup and stressing for all 481 spans, 1998 – 1999 <u>Bridge Designer</u> – Brice began his career in Tallahassee, FL, performing load rating analysis using time dependent software for the C&D Canal Bridge, a 750’ cable stay bridge in Delaware. This was followed by performing the substructure design analysis for the approach spans for the 17 th Street Causeway in Fort Lauderdale, FL. Brice also designed several elevated ramps for the I-93 Cana Ramps in Boston. Brice was promoted to Senior Bridge Designer and was transferred to assist in the superstructure design modelling of the Sagadahoc Bridge Design–Build project in Bath, ME, 1995 – 1998
e.	Education: Clemson University, Clemson, SC / Master of Science-Structures / 1994 / Civil Engineering Clemson University, Clemson, SC / Bachelor of Science / 1993 / Civil Engineering
f.	Active Registrations: 2016 / SC / Civil / 34010
g.	Document the extent and depth of your experience and qualifications relevant to the Project. Design-Build Package 14, Cherokee County, SC Key Personnel Role: Lead Design Engineer responsible for managing the design of 5 bridges in Cherokee County, SC. Brice is responsible for the management and coordination with the design team, subconsultants, contractor and the SCDOT. Brice is also on the Executive Committee. Experience with Current Firm: Yes Project/Assignment Duration: February 2023 to present Owner Contact Information: SCDOT; Michael Pitts, PE, Assoc. DBIA; PittsME@scdot.org ; 803-737-2566 Design/Construction Value: \$8.9M

Project Description: D|F teamed with Lee Construction to design/build five bridges in Cherokee County, South Carolina. These five low-volume secondary road bridges are structurally deficient and functionally obsolete which included S-56 over Horse Creek, S-106 over Suck Creek, S-226 over unnamed stream, S-138 over Goucher Creek, and S-86 over King Street. Projects were closed or load restricted bridges that will be with single span and multi-span configurations. **Our team is working as lead designer for this project, which entails rapid design and replacement of the five bridges. In this endeavor, our team has taken on the role of lead design, overseeing various aspects of the project. Our design efforts include strategies to minimize the acquisition for new right-of-way and utility and environmental impacts. We initiated early coordination with utility providers, effectively eliminating the need for anticipated water and overhead power relocations. Furthermore, we coordinated our roadway and bridge design to mitigate or eliminate any potential impacts on stream falling under the jurisdiction of USACE. The bridge designs were completed October 31, 2023, 1 month ahead of schedule.**

Port Access Road, Charleston, SC

Key Personnel Role: Principal Design Manager of D|F design of this major design-build project. During the duration of the project, Brice coordinated with design leads, staff and contractor while actively monitoring schedule and budget for the design and seismic of 3 bridges, roadway, drainage and scour design, environmental permitting, and utility coordination.

Experience with Current Firm: Yes

Project/Assignment Duration: 2016 - 2022

Owner Contact Information: South Carolina Department of Transportation, Jae Mattox, III PE, DBIA, MattoxJH@scdot.org, 803-737-1805

Design/Construction Value: \$221 Million

Project Description: D|F is a major subconsultant on this SCDOT Design-Build project that provides direct access from I-26 to the naval base and is responsible for the design of 3 bridges and roadway, stormwater, hydrology & hydraulic, traffic control, signal, and pavement marking design for the entire project. D|F is also providing environmental permitting, utility coordination, right-of-way acquisition, and design surveying. RFC Bainbridge Connector and Tidewater bridge plans were submitted in April of 2017, RFC Roadway/Drainage and Stromboli bridge plans were delivered in September of 2017, Final/Phase III NOI was signed in October of 2017, and final ROW certification was delivered in August of 2020.

Palmetto Commerce Interchange, Charleston, SC

Key Personnel Role: Project manager responsible for the management and coordination of all aspects of design including bridge, roadway, environmental permits, NEPA process, survey, H&H and roadway drainage design, mitigation credit coordination, traffic management plan, public involvement, and ROW acquisition. Responsible for coordination with SCDOT, County, subconsultants and permitting agencies.

Experience with Current Firm: Yes

Project/Assignment Duration: 2018 – Present

Owner Contact Information: Charleston County, Mackenzie Kelley, MKelley@CharlestonCounty.org, 843-202-6157

Design/Construction Value: \$52.4 Million

Project Description: Palmetto Commerce Interchange, a \$52M project along Interstate 26 (I-26) in the City of North Charleston, SC, is a new interchange between University Boulevard (US Highway 78) and Ashley Phosphate Road interchanges. The proposed improvements include a new full-movement, three-way interchange providing connection with the interstate to the south side via Weber Boulevard with a pedestrian and bicycle shared use path over I-26. **The planning and design phases of this project included unique impacts from Environmental Justice NEPA criteria that dictated a more costly interchange alternative, major utility relocations, a noise wall study, unique ROW challenges, permitting, and coordination between Charleston County, City of North Charleston, USACE, SCDHEC, FHWA, and SCDOT. Project is currently under construction.**

Monongahela River Bridge, Brownsville, PA

Key Personnel Role: Principal Design Management during design development, final design and construction and coordination with contractor, owner and geotechnical subconsultant.

Experience with Current Firm: No

Project/Assignment Duration: Project 2008 - 2012, Assigned 2008-2012


Owner Contact Information: Pennsylvania Turnpike Commission, Brian Ranck, PE, branck@paturnpike.com, 717-831-7363

Design/Construction Value: \$95 Million

Project Description: Brice was the Principal Design Project Manager for this 3,022', 89' wide bridge over the 350' wide Monongahela River in Brownsville, PA. As an alternate design proposal, Brice worked with the contractor to reduce the number of piers for a more efficient bridge design, ultimately saving the Pennsylvania Turnpike Commission \$8.5 million over the original design. The long span bridges were supported on large, drilled shafts. With the alternate design accepted, the project was managed as a Design-Build project where we worked with the contractor to complete the bridge design.

Brice was responsible for the overall design, schedule, budget, quality management, and contract administration for the design team, conducted/attended design and construction meetings, and communicated directly with the contractor, subconsultants and the owner.

- h. For Key Personnel required to be on-site full-time for the duration of construction, provide a current list of assignments, role, and the anticipated duration of each assignment.
For the duration of the design phase, Brice will attend all routine project meetings in person, be primarily dedicated to design of DB Package 18 projects and be available as needed by SCDOT.

Brief Resume of Key Individual anticipated for the Project.		
a. Name & Title:	JOHN LLOYD PIAZZA, II, PE President & Chief Executive Officer	
b. Role of Key Individual for this Project:	Cathodic Protection Specialist	
c. Name of Firm with which you are now associated	Southern Cathodic Protection Company	
d. Years of Experience: With this Firm: <u>41</u> Years With Other Firms: <u>17</u> Years		
<p><u>Southern Cathodic Protection Company:</u> President & Chief Operating Officer – Executive Officer of the company which specializes in corrosion control and environmental engineering. With over four decades of leadership as the President and Chief Executive Officer of SCPC, John spearheaded advancements in corrosion control and environmental engineering since 1979. Under his direction, the company has consistently delivered innovative solutions to protect infrastructure and the environment, establishing a reputation for excellence and reliability in the industry. His extensive experience encompasses strategic planning, operational management, and fostering a culture of continuous improvement and sustainability. (1983 – Present)</p> <p><u>General Corrosion Services Corporation:</u> Chief Operating Officer – From 1979 to 1983, John served as the CEO, and was responsible for the operations of contracting and engineering in a firm specializing in corrosion control with annual sales of \$35 million. In this role, he provided management and technical direction for developing business strategies, corporate marketing, and financial planning. His tenure included significant international business experience and extensive travel, which enhanced the company's global reach and operational effectiveness.</p> <p><u>Harco Corporation:</u> Vice President, Southern Region – From 1966 to 1979, John served as the Vice President of the Southern Region, specializing in cathodic protection and corrosion engineering. In this role, he coordinated the marine division, managed corrosion engineering projects, and oversaw cathodic protection initiatives. He was responsible for the profit and loss of an \$8 million operation, demonstrating strong financial acuity. With extensive offshore experience and international business exposure, he developed a global perspective and helped the company be successful in diverse markets.</p>		
e. Education:		
Louisiana State University, Baton Rouge, Louisiana: Bachelor of Science in Mechanical Engineering , 1966		
Georgia State University, Atlanta, Georgia: Masters in Business Administration , 1987		
f. Accreditations:		
Registered South Carolina Professional Engineer #5239		
AMPP (formerly NACE-International) Certified Corrosion Specialist #609		
South Carolina General Contractors License #CLG. 124950		
g. Document the extent and depth of your experience and qualifications relevant to the Project:		
Continuing Engineering Services – Reynolds Park Piers; Clay County Port, Florida		
<p>Key Personnel Role: Lead corrosion engineer responsible for comprehensive corrosion and cathodic protection projects, for this facility, demonstrating expertise in survey work, engineering and design, troubleshooting, and corrosion mitigation system installations. His services included detailed surveys to assess existing conditions and identification of critical areas prone to corrosion. Based upon the surveys, John has spearheaded the design of an advanced cathodic protection systems, tailored to mitigate corrosion effectively and prolong the lifespan of the piers and associated structures.</p> <p>Experience with Current Firm: Yes</p> <p>Project/Assignment Duration: 2012 – Present</p> <p>Owner Contact Information: Clay County Port, Ted McGowan, TMcgowan@ChooseClay.com, 904-284-2676</p>		

Project Description: Throughout this continuing project, John has coordinated troubleshooting efforts to address unexpected challenges and ensure the seamless implementation of the protection system. Additionally, his role extends to oversight of construction projects to ensure the projects adhere to the highest standards of quality and safety. This has helped to not only safeguard the structural integrity of the Reynolds Park Piers, but exemplifies his ability to manage complex engineering projects from inception to completion. **2012 to Present**

Cathodic Protection System Design & Installation Services – Kings Crown Condominiums

Key Personnel Role: John presently serves as the design engineer and design-builder for cathodic protection systems protecting conventionally reinforced concrete columns supporting two three-story residential structures on Sanibel Island, Florida. **2023 – Present.**

Experience with Current Firm: Yes

Project/Assignment Duration: 2023 – Present

Owner Contact Information: Kings Crown Condominium Association, Patrick Kenny, sidsnuts@gmail.com, 414-315-2338

Design/Construction Value: \$561,465

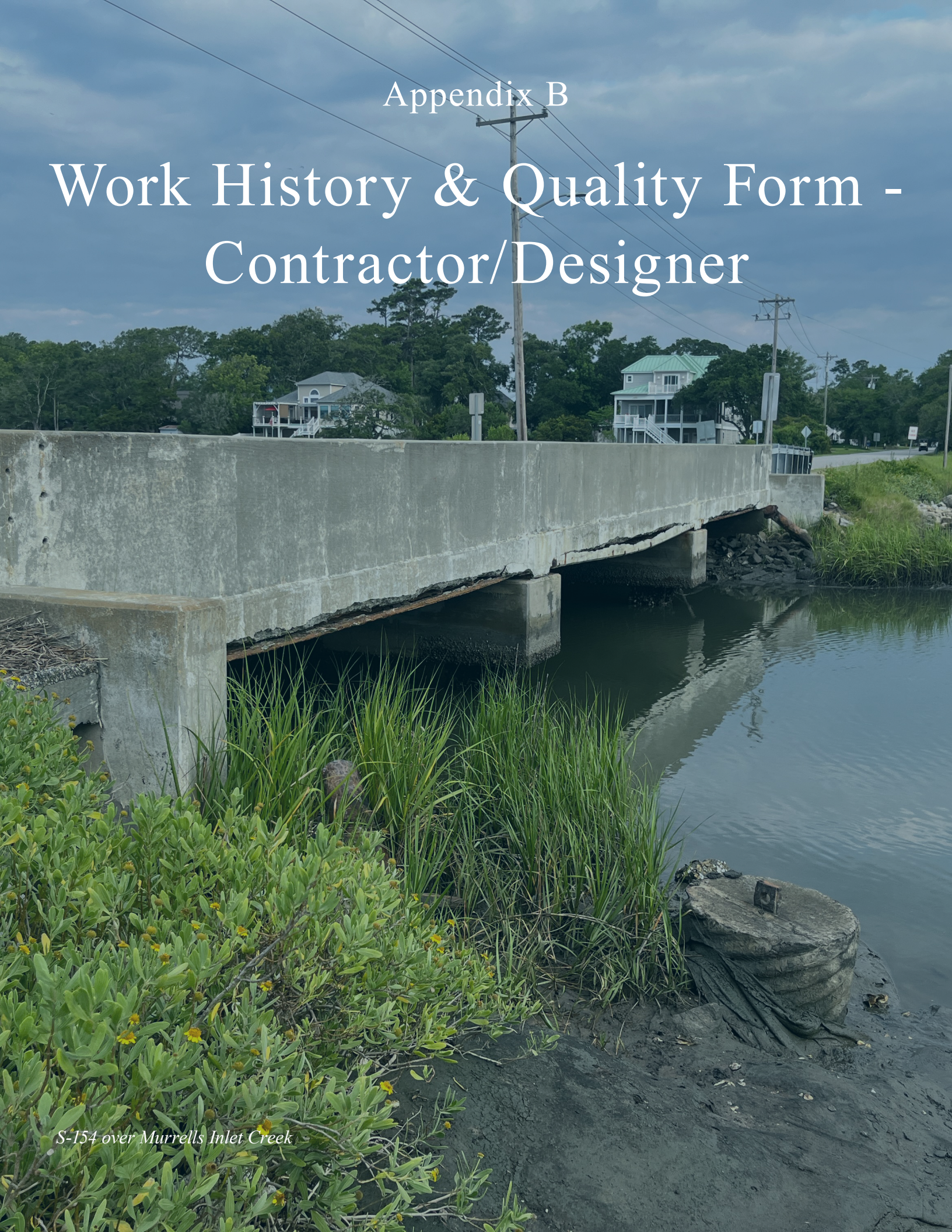
Project Description: Kings Crown Condominiums is a Gulf front complex on Sanibel Island, Florida. John is the engineer responsible for the cathodic protection systems supporting the residential structure. This project is to maintain the property following hurricanes and other storm events.

- h. For Key Personnel required to be on-site full-time for the duration of construction, provide a current list of assignments, role, and the anticipated duration of each assignment.

For the duration of the construction, testing, and reporting of the CP system, John will attend the necessary meetings and on-site duties.

Appendix B

Work History & Quality Form - Contractor/Designer



S-154 over Murrells Inlet Creek

WORK HISTORY AND QUALITY FORM – CONTRACTOR/DESIGNER
Lee Construction Company of the Carolinas, Inc.

a. Project Name, Delivery Method (DBB, DB, etc.), & Location (City, State)	b. Name of lead responsible for the overall project design or construction	c. Contact information of the Client & their Project Manager who can verify A's or B's responsibilities	d. Actual or Estimated Construction & Professional Services Completion Date	e. Actual or Estimated Project Construction Cost (in thousands)	f. Dollar Value of Work Performed by A or B (in thousands)
Name: District 3 Bridge Repairs Delivery Method: DBB Location: Spartanburg, SC	Name: Lee Construction Company of the Carolinas, Inc.	Name of Owner: SCDOT Project Manager: Joseph Fowler, PE, RCE Phone: 864-587-4720 Email: fowlerjm@scdot.org .	Construction Completion 11.30.2022	\$4,608,079.78	\$4,608,079.78

g. Narrative describing the work performed by A or B. If submitting work completed by an affiliated or subsidiary company of A, identify the full legal name of the affiliate or subsidiary and their role on the Project. Include the office location(s) where the design work was performed and whether B was the lead designer or a sub-consultant.

A bridge repair contract for SCDOT, the project had over 26 bridge sites in the District requiring repairs. Lee was contracted to perform partial and full-depth bridge deck repairs. This included traffic control, demolition, formwork, cathodic protection system, reinforcement installation, bonding agents, concrete placement, curing, and opening the lane to traffic. Also included were joint repairs, spall repairs, crack sealing, and other related bridge deck repairs.

The work had to be scheduled, monitored, and completed following the repair areas provided by the inspector. On similar projects, Lee also performed cleaning, spall repairs, pile repairs, waterproofing bridge decks, erosion control, handrail repairs, and clean up. Most of the work is completed under lane closures and therefore time-sensitive to opening the lane for the high-volume routes.

Lee has had success bidding and completing these types of contracts for SCDOT. The featured project is the most recent. Additional bridge repair projects for the SCDOT include:

County	Project #	Scope	Contract Amount	Contact Engineer/Prime	Contact #
Anderson & Abbeville	5248611	Deck Repairs	\$1,263,600.00	Elmer Carrillo Rosales	864-716-2380
Greenwood	5259160	Waterproof Deck	\$374,500.00	Satterfield	864-223-8601
Charleston & Georgetown	8891002	Substructure Repairs	\$3,903,750.00	Olympus Painting	727-946-0455
York	P029556	Deck Repairs	\$964,046.25	United (UIG)	803-889-0178
Lancaster	5448102	Deck & Joint Repairs	\$173,250.00	Greg Williams	843-393-2837
Horry & Marlboro	5552160	Deck & Joint Repairs	\$2,016,724.50	AJ. Bostic	843-317-4001
District 1	5106151	On-Call Repairs	\$2,805,000.00	Herb Latten	803-796-9540
District 2	5106151	On-Call Repairs	\$3,105,000.00	David Reese	864-984-3214

Lee is familiar with bridge repairs, bridge rehabilitation, emergency repairs, and various other needs owners have with maintaining, repairing, replacing, cathodic protection systems, and rehabilitating bridges in South Carolina. Lee maintains multiple crews with a complement of equipment specifically for this type of work, including being on-call for emergency repair.

Ron Shaw was the project manager on these contracts. He utilized local subcontractors and vendors and held meetings to discuss schedules, traffic control, sequence of work, use of materials, and crew assignments.

h. Self-Assessment. The information provided in this section should be a self-assessment of A's or B's performance on the project to identify As or Bs with firms or personnel that have successfully completed projects on time and on or under budget, and to identify As or Bs that have records of managing contracts to minimize delays, claims, dispute proceedings, litigation, and arbitration.

SCDOT has offered many types of repair contracts, and Lee has been awarded many of these projects. During many of these contracts' life, SCDOT has added work as needed to repair the structures. Ron Shaw maintains that meetings and good communication are important and helpful in the coordination, communication, and success of these projects. Lee utilizes knowledgeable vendors who can recommend products to meet the needs of SCDOT.

i. Quality Initiatives. Discuss A's or B's quality initiatives including, but not limited to, cost control, schedule management and adherence, avoidance of claims, and other pertinent initiatives enhancing quality on the project.

Understanding the scope and objectives is key to project success. Lee's crews have been performing this type of work for many years and continue to improve and understand the work at hand.

j. or each question in Section 3.5.2 of the RFQ for which a "Yes" answer was provided, A or B shall provide a detailed explanation below.

No.





Photo 1: Typical bridge deck repair



Photo 2: Pile jackets added to steel pile under the bridge

WORK HISTORY AND QUALITY FORM – CONTRACTOR/DESIGNER
Lee Construction Company of the Carolinas, Inc.


a. Project Name, Delivery Method (DBB, DB, etc.), & Location (City, State)	b. Name of lead responsible for the overall project design or construction	c. Contact information of the Client & their Project Manager who can verify A's or B's responsibilities	d. Actual or Estimated Construction & Professional Services Completion Date	e. Actual or Estimated Project Construction Cost (in thousands)	f. Dollar Value of Work Performed by A or B (in thousands)
Name: Emergency Bridge Replacement Package 2 Delivery Method: DB Location: Richland County, SC	Name: Lee Construction Company of the Carolinas, Inc. (Lee)	Name of Owner: South Carolina Department of Transportation (SCDOT) Project Manager: Allen Thompson, RCE Phone: 803-699-5068 Email: ThompsonA@scdot.org	08/2016	\$3,443,535.36	\$3,443,535.36
g. Narrative describing the work performed by A or B. If submitting work completed by an affiliated or subsidiary company of A, identify the full legal name of the affiliate or subsidiary and their role on the Project. Include the office location(s) where the design work was performed and whether B was the lead designer or a sub-consultant.					
<p>SCDOT contracted Lee to replace two bridges in Richland County, SC, after the storm of 2015, which washed out two structures. The Emergency Bridge Replacement Package 2 in Richland County started in December 2015. Lee was hired to provide design-build services for the two replacement structures along with another consultant for the design. The cleanup and demolition started immediately followed by pile and end bent installation. The design called for two structure replacements: concrete pile interior bents, steel pile end bents, cast-in-place substructure, and cast-in-place superstructure flat slab design. Lee finished the project with approach slabs, barrier walls, approach paving, guardrails, grassing, and pavement markings.</p> <p>Ron Shaw of Lee was the project manager on this project.</p>					
 					
h. Self-Assessment. The information provided in this section should be a self-assessment of A's or B's performance on the project to identify As or Bs with firms or personnel that have successfully completed projects on time and on or under budget, and to identify As or Bs that have records of managing contracts to minimize delays, claims, dispute proceedings, litigation, and arbitration.					
Once awarded, Lee immediately called on its team of designers, subcontractors, and vendors to start activities. Submittals were expeditious, fabrication was almost immediate and construction was fast-paced. The team's communication, expectations, and goal-setting were key to the project's success. Weekly meetings with all individuals involved also provided accurate updates on upcoming activities. Planning and timely execution lead to no delays, claims, disputes, litigations, or arbitrations. Lee owns the formwork for the standard flat slab bridge designs in South Carolina and has them ready for this project.					
i. Quality Initiatives. Discuss A's or B's quality initiatives including, but not limited to, cost control, schedule management and adherence, avoidance of claims, and other pertinent initiatives enhancing quality on the project.					
Lee completed the work on schedule and under budget. Ron Shaw was project manager and credits the preplanning and constant communication with team members to achieve project success.					
j. For each question in Section 3.5.2 of the RFQ for which a "Yes" answer was provided, A or B shall provide a detailed explanation below.					
No.					

WORK HISTORY AND QUALITY FORM – CONTRACTOR/DESIGNER
Lead Designer – Davis & Floyd, Inc. (D|F)

a. Project Name, Delivery Method (DBB, DB, etc.), & Location (City, State)	b. Name of lead responsible for the overall project design or construction	c. Contact information of the Client & their Project Manager who can verify A's or B's responsibilities	d. Actual or Estimated Construction & Professional Services Completion Date	e. Actual or Estimated Project Construction Cost (in thousands)	f. Dollar Value of Work Performed by A or B (in thousands)
Name: Design-Build Package 14 Delivery Method: DB Location: Cherokee County, SC	Name: Davis & Floyd, Inc – Lead Design Lee Construction Company of the Carolinas – Lead Contractor	Name of Owner: South Carolina Department of Transportation (SCDOT) Project Manager: Michael Pitts, PE, DBIA Phone: (803) 737-2566 Email: pittsme@scdot.org	Professional Services: S-138 RFC: 6/29/23 (Plan), 6/29/23 (Actual) S-56 RFC: 9/1/23 (Plan), 9/1/23 (Actual) S-106 RFC: 10/10/23 (Plan), 9/19/23 (Actual) S-226 RFC: 11/9/23 (Plan), 10/25/23 (Actual) S-86 RFC : 12/1/23 (Plan), 10/31/23 (Actual) Construction: 11/2024 (Anticipated)	\$8990	\$1528
<p>g. Narrative describing the work performed by D F as the lead designer as a subconsultant from our Columbia and Greenwood offices.</p> <p>D F teamed with Lee Construction to design/build five bridges in Cherokee County, South Carolina. These five low-volume secondary road bridges are structurally deficient and functionally obsolete. Our team is working as lead design for this project, which entails rapid design and replacement of the five closed or load restricted bridges. As lead design, D F developed strategies to minimize the acquisition for new right-of-way and utility and environmental impacts. We initiated early coordination with utility providers, effectively eliminating the need for anticipated water and overhead power relocations. Furthermore, we coordinated our roadway and bridge design to mitigate or eliminate any potential impacts on stream falling under the jurisdiction of USACE. Our approach included two alternative technical concepts. This included reinforced soil slopes steeper than 2:1 to reduce new right-of-way and environmental impacts. The second was to construct interior pile bents incased in concrete to make bridge construction more efficient and less expensive.</p> <p>As lead designer, D F provides the following services: roadway and drainage design, bridge design, scour analysis, utility coordination, ROW acquisition, and survey. We also perform oversight of subconsultant services including geotechnical services (provided by ESP) and environmental services (provided by Three Oaks Engineering).</p> <p>Key Design Members: Bridge Urquhart, PE – Lead Design Engineer; Rob Stevenson, PE – Bridge Engineer of Record and Assistant Project Manager; Michael Horton, PE, CFM – Hydraulics & Hydrology; Michael Ulmer, PE (Lead Geotechnical Engineer - ESP)</p> <p>Relevance: SCDOT Design-Build Bridge Package Project, Bridge and Roadway Design, Aggressive Schedule</p>					
<p>h. Self-Assessment. The information provided in this section should be a self-assessment of A's or B's performance on the project to identify As or Bs with firms or personnel that have successfully completed projects on time and on or under budget, and to identify As or Bs that have records of managing contracts to minimize delays, claims, dispute proceedings, litigation, and arbitration.</p> <p>Under an aggressive design schedule, D F met all of the schedule deadlines and provided responsive collaboration with subconsultants to provide the necessary services for the project. The original completion of the final bridge design (RFC Plans) were scheduled for 12/1/2023. RFC plans for for all five projects were approved for construction on or before schedule. S-86 was the last project design and was approved for construction 1 month ahead of schedule.</p>					
<p>i. Quality Initiatives. Discuss A's or B's quality initiatives including, but not limited to, cost control, schedule management and adherence, avoidance of claims, and other pertinent initiatives enhancing quality on the project.</p> <p>D F participated in weekly progress meetings with Lee Construction and subconsultants to ensure design remained on schedule and within the projected budget. D F provided the capacity to design multiple bridges concurrently, while maintaining consistency in design details, ultimately minimizing reoccurring design review comments. As noted in section h, schedule adherence was a key focus and coordination with contractor and SCDOT/representatives was key to the success of this project. When clarification was needed, meetings were immediately scheduled to gain clarity and understanding going forward. D F also participated in Executive Meetings with SCDOT and the contractor and highlighted areas of potential impacts to schedule related to ROW acquisition and utilities. Worked closely with local water utilities and major power companies early and often to address potential schedule, conflicts, and ROW impacts. The design was completed in accordance with specifications and guidelines.</p>					
<p>j. For each question in Section 3.5.2 of the RFQ for which a "Yes" answer was provided, A or B shall provide a detailed explanation below.</p> <p>No to all questions.</p>					



WORK HISTORY AND QUALITY FORM – CONTRACTOR/DESIGNER
Lead Designer – Southern Cathodic Protection Company

a. Project Name, Delivery Method (DBB, DB, etc.), & Location (City, State)	b. Name of lead responsible for the overall project design or construction	c. Contact information of the Client & their Project Manager who can verify A's or B's responsibilities	d. Actual or Estimated Construction & Professional Services Completion Date	e. Actual or Estimated Project Construction Cost (in thousands)	f. Dollar Value of Work Performed by A or B (in thousands)
Name: Clay County Port Cathodic Protection Surveys and System Designs Delivery Method: DB Location: Green Cove Springs, FL	Name: John L. Piazza, II, P.E.	Name of Owner: Clay County Port Project Manager: Ted McGowan Phone: 904-284-3676 Email: TMcgowan@ChooseClay.com	Started 05/17/2012 Continued Engineering Services to Present Day	\$2,791,000.00 (Est.)	\$2,791,000.00
g. Narrative describing the work performed by A or B. If submitting work completed by an affiliated or subsidiary company of A, identify the full legal name of the affiliate or subsidiary and their role on the Project. Include the office location(s) where the design work was performed and whether B was the lead designer or a sub-consultant.					
This project has included a variety of engineering and construction services for Clay County Port at the Reynolds Park Piers. Work has included cathodic protection system design, installation, repairs, surveys, troubleshooting, and testing. Field data collection was performed by John Piazza, as well as field technicians working under his supervision. All formal design work was performed at our Atlanta, GA office with John Piazza as the lead designer.					
h. Self-Assessment. The information provided in this section should be a self-assessment of A's or B's performance on the project to identify As or Bs with firms or personnel that have successfully completed projects on time and on or under budget, and to identify As or Bs that have records of managing contracts to minimize delays, claims, dispute proceedings, litigation, and arbitration.					
Throughout the 12-year project at Clay County Port, a quality project was consistently delivered for cathodic protection engineering and construction services, marked by a track record of successfully completing projects on time and meeting budgetary expectations. Through proper management, claims, dispute proceedings, litigation, and arbitration were avoided.					
i. Quality Initiatives. Discuss A's or B's quality initiatives including, but not limited to, cost control, schedule management and adherence, avoidance of claims, and other pertinent initiatives enhancing quality on the project.					
To ensure quality of work, John adheres to industry standards and best practices and maintains the highest level of quality at every stage of the project. The QA/QC procedures include thorough client inspections, detailed documentation, and stringent testing protocols to ensure that every component meets or exceeds regulatory requirements and client expectations.					
j. For each question in Section 3.5.2 of the RFQ for which a "Yes" answer was provided, A or B shall provide a detailed explanation below.					
All questions answered "No."					

Appendix C

Work History & Quality Form - Contractor/Designer



S-21 over Todd Swamp



APPENDIX C: WORK HISTORY & QUALITY FORM - CONTRACTOR/DESIGNER (SECTION 3.5.2)

Lee Construction Company of the Carolinas, Inc. (Lead Contractor) answered “yes” to one question and we have provided that project on the following page with its associated explanation.

Davis & Floyd, Inc. (Lead Designer) does not answer “yes” to any of the questions in Section 3.5.2 for projects in the last five years.

WORK HISTORY AND QUALITY FORM – CONTRACTOR/DESIGNER
LEE CONSTRUCTION COMPANY OF THE CAROLINAS, INC.



a. Project Name & Location (City, State)	b. Name of lead responsible for the overall project design or construction	c. Contact information of the Client & their Project Manager who can verify A's or B's responsibilities	d. Actual or Estimated Construction & Professional Services Completion Date	e. Actual or Estimated Project Construction Cost (in thousands)	f. Dollar Value of Work Performed by A or B (in thousands)
Name: Bridge Replacement on US 21 over Steel Creek Location: York County, SC	Name: Lee Construction Company of the Carolinas, Inc.	Name of Owner: SCDOT Project Manager: Jared Bragg, RCE Phone: 803.324.3545 Email: braggjk@scdot.org	Construction Complete: 07/2020	\$2,680	\$2,680

g. Narrative describing the work performed by Lee. If submitting work completed by an affiliated or subsidiary company of A, identify the full legal name of the affiliate or subsidiary and their role on the Project. Include the office location(s) where the design work was performed and whether B was the lead designer or a sub-consultant.

This project consisted of all work necessary to replace a bridge on US 21 over Steel Creek in York County, SC. This included demolition of the existing structure and replacement with a three span bridge. The structure was aging and obsolete for the traffic volume and loads. Lee submitted a competitive bid and was awarded the project by the SCDOT. The road was closed and traffic utilized a detour route during construction. Lee was responsible for providing demolition, clearing & grubbing, grading, repairing extensive wash out areas, and addressing erosion issues. The bridge construction included steel pile, drilled shafts, cast in place concrete, type IV pre-stressed concrete beams, cast in place deck superstructures, approach slabs, and bridge railings. The roadway work also included milling asphalt, improving approach fills, providing storm drainage, revising slopes, grassing, installing guardrails, providing new pavement, and adding pavement lines.

Lee worked this project during weather-related events and COVID during the construction period, managing many subs, including DBEs, to complete the contract requirements. Lee held monthly progress meetings with the SCDOT and updated the CPM schedule monthly. Lee completed the work safely and efficiently without incident.

Key Project Members: Chris Powers - Project Manager

h. Self-Assessment. The information provided in this section should be a self-assessment of Lee's performance on the project to identify As or Bs with firms or personnel that have successfully completed projects on time and on or under budget, and to identify As or Bs that have records of managing contracts to minimize delays, claims, dispute proceedings, litigation, and arbitration.

N/A

i. Quality Initiatives. Discuss Lee's quality initiatives including, but not limited to, cost control, schedule management and adherence, avoidance of claims, and other pertinent initiatives enhancing quality on the project.

N/A

j. For each question in Section 3.5.2 of the RFQ for which a "Yes" answer was provided Lee shall provide a detailed explanation below.

Reason for delay longer than 30 days resulting in liquidated damage assessment for this project. Provide total project delays. – The last project payment estimate includes liquidated damages against Lee. Lee has submitted a time extension request to the Department for approval. The department settled the issues on this project amicably. The settlement included a time extension and reduction of liquidated damages. However, Lee did agree to settle with liquidated damages being assessed on this project.



Appendix D

Legal & Financial

S-154 over Murrells Inlet Creek



CONSTRUCTION COMPANY OF THE CAROLINAS, INC.

633 Eagleton Downs Drive
Pineville, NC 28134

(704) 588-5272 • (704) 588-1535 Fax
www.leecarolinas.com

June 20, 2024

Ms. Renee Frazier, Office of Project Delivery
(Mr. Brian Gambrell, Mr. Michael Pitts) Office of Chief Council, Office of Alternative Delivery
South Carolina Department of Transportation
955 Park Street, Room 101 (302, 421)
Columbia, South Carolina 29201-0191

Re: Bridge Package 18
Design Build Project Contract ID 2662300, – Horry County

3.6.1 Financial Capacity

To whom it may concern,

We herewith provide this notarized statement declaring that the proposer, Lee Construction Company of the Carolinas, Incorporated, has the financial capacity and the resources necessary to complete the referenced project as proposed in the request for qualifications, (RFQ).

If further information is required, please advise.

Sincerely,
Lee Construction Company of the Carolinas, Inc.

Ronald P. Shaw
President, Principal Officer

STATE OF North Carolina

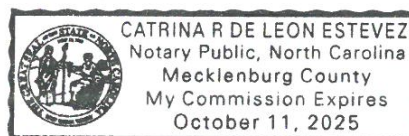
COUNTY OF Mecklenburg

Sworn to and subscribed before me this 20th day of June, 2024

Notary Signature
Notary Name

Notary stamp:

My commission expires: OCTOBER 11, 2025





Travelers Bond & Financial Products
Construction Services
9954 Mayland Drive, Suite 6100
Richmond, VA 23233
(804)965-9283 (office)
Gregory D. Veirs, AFSB
Account Executive Officer
Email: gveirs@travelers.com

June 20, 2024

RE: Lee Construction Company of the Carolinas, Inc.
SCDOT Request for Qualifications
Bridge Package 18, A Design-Build Project
Contract No. 2662300, Horry County, South Carolina

To Whom It May Concern:

Lee Construction Company of the Carolinas, Inc. has been a valued client of Travelers Casualty and Surety Company for more than fifteen years. During that time, we have maintained a working line of surety credit and have supported single bond requests up to the \$50,000,000. range and aggregate programs up to the \$75,000,000. range. These levels reflect our history with this client; however, they are not to be construed as limits. In our opinion, Lee Construction Company remains properly financed, well-equipped, and capably managed.

At this time, we are prepared to respond favorably to bond request in the above range. Our willingness to commit to any such request would, of course, be contingent upon our being satisfied with all prevailing underwriting conditions including but not limited to acceptable contract terms, acceptable bond forms, and confirmation of full financing. We assume no liability to third parties or to you if for any reason we do not execute such bonds.

Travelers Casualty and Surety Company of America is licensed to transact surety business in all 50 states and is listed on the United States Department of Treasury list of acceptable surety companies. Travelers Casualty and Surety Company of America carries an A.M. Best rating of A++ and has a Financial Size Category of XV. The information contained in this letter is valid for a period of three (3) months from date of this letter.

Please feel free to contact us if you have any questions.

Sincerely,

TRAVELERS CASUALTY AND SURETY COMPANY OF AMERICA

Whitney D. Melton
Attorney-in-Fact

Power of Attorney Attached



CONSTRUCTION COMPANY OF THE CAROLINAS, INC.

633 Eagleton Downs Drive
Pineville, NC 28134

(704) 588-5272 • (704) 588-1535 Fax
www.leecarolinas.com

June 20, 2024

Ms. Renee Frazier, Office of Project Delivery
(Mr. Brian Gambrell, Mr. Michael Pitts) Office of Chief Council, Office of Alternative Delivery
South Carolina Department of Transportation
955 Park Street, Room 101 (302, 421)
Columbia, South Carolina 29201-0191

Re: Bridge Package 18
Design Build Project Contract ID 2262300 – Horry County

3.6.3 Organizational Agreements

To whom it may concern,

Lee Construction Company of the Carolinas, Incorporated, the Proposer, for the above referenced project will be the prime contractor and sole entity entering into the contract with the South Carolina Department of Transportation for this project.


Ronald Paul Shaw, President, Principal Officer of Lee Construction Company of the Carolinas, Inc., has the authority for sign, execute and act on behalf of/for the company and with the SCDOT for all contractual matters regarding this project.

If further information is required, please advise.

Sincerely,
Lee Construction Company of the Carolinas, Inc.

A handwritten signature in blue ink, appearing to read "Ronald P. Shaw".

Ronald P. Shaw
President, Principal Officer

A photograph of a highway bridge over a swampy area. The bridge has a concrete barrier and a metal guardrail. A silver car is visible on the bridge. The area under the bridge is overgrown with green plants and tall grasses. The background shows more trees and foliage.

Appendix E

Organizational Conflicts of Interest

DISCLOSURE OF POTENTIAL CONFLICT OF INTEREST CERTIFICATION

PROPOSER hereby indicates that it has, to the best of its knowledge and belief has:

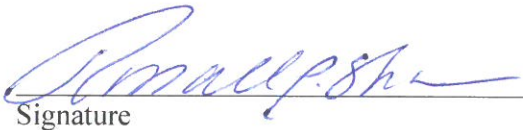
 X Determined that no potential organizational conflict of interest exists.

 Determined a potential organizational conflict of interest as follows:

Attach additional sheets as necessary.

1. Describe nature of the potential conflict(s):

2. Describe measures proposed to mitigate the potential conflict(s):



Signature

June 20, 2024

Date

Ronald P. Shaw

Print Name

Lee Construction Company of the Carolinas, Inc.

Company

If a potential conflict has been identified, please provide name and phone number for a contact person authorized to discuss this disclosure certification with Department of Transportation contract personnel.

Name

Phone

Company

Appendix F

Confidential or Proprietary Information Summary List

S-154 over Murrells Inlet Creek

APPENDIX F

This submittal does not include confidential or propriety information.

Appendix G

Addendum Receipt Form

S-21 over Todd Swamp



NOTICE OF RECEIPT
Bridge Package 18
Design-Build – Contract ID 2662300
Horry County

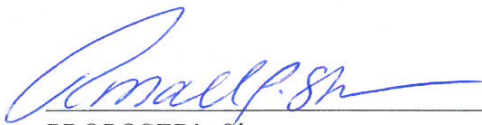
Addendum 1

The information in this addendum shall be made part of the contract documents. PROPOSERS are instructed to incorporate the information into the previously provided RFQ documents.

PROPOSERS are required to sign this document and enclose it with their Statement of Qualifications. Receipt of this signed document by The South Carolina Department of Transportation serves as confirmation that the PROPOSER has received and incorporated this Addendum into the contract documents.

Confirmation Statement:

I, the PROPOSER confirm that I have received this addendum package and have incorporated the information provided in the addendum into the contract documents.



PROPOSER's Signature

June 4, 2024

Date

Ronald P. Shaw

Printed Name

For: Lee Construction Company of the Carolinas, Inc.

Design-Build Team Name



Appendix H

Key Individual and Contractor/ Designer Reference Forms

S-154 over Murrells Inlet Creek



Email	First Name	Last Name	Company Name	Project Name	Team
pittsme@scdot.org	Michael	Pitts, PE, Assoc. DBIA	SCDOT	SCDOT Design-Build Project 14	Lead Contractor - Lee Construction Company of the Carolinas, Inc. Lead Designer - Davis & Floyd, Inc. Three Oaks Engineering
GaskinsCJ@scdot.org	Chris	Gaskins	SCDOT	Volvo Interchange Design-Build Project Pursuit	Lead Contractor - Lee Construction Company of the Carolinas, Inc. Lead Designer - Davis & Floyd, Inc.
GaskinsCJ@scdot.org	Chris	Gaskins	SCDOT	SCDOT/ACEC/AGC Design-Build Subcommittee	Lead Contractor - Lee Construction Company of the Carolinas, Inc.; Lead Designer - Davis & Floyd, Inc.
McIntyreJD@scdot.org	Joey	McIntyre	SCDOT	SCDOT US 378 Bridge Replacement over Twelve Mile Creek	Lead Designer - Davis & Floyd, Inc. Soil Consultants, Inc.
Mkelley@charlestoncounty.org	Mackenzie	Kelley	Charleston County	I-26 Palmetto Commerce Interchange	Lead Designer - Davis & Floyd, Inc. Soil Consultants, Inc.; ESP Associates, Inc.
cgorusch@cityofbeaufort.org	Carrie	Gorsuch	City of Beaufort	King Street Drainage Improvements	Lead Designer - Davis & Floyd, Inc. Southern Cathodic Protection Company
FowlerJM@scdot.org	Joseph	Fowler, PE, RCE	SCDOT	District 3 Bridge Repairs	Lead Contractor - Lee Construction Company of the Carolinas, Inc.
ThompsonA@scdot.org	Allen	Thompson, RCE	SCDOT	Emergency Bridge Replacement Package 2	Lead Contractor - Lee Construction Company of the Carolinas, Inc.
Tmcgowan@ChooseClay.com	Ted	McGowan	Clay County Port	Clay County Port Cathodic Protection Surveys and System Designs	Lead Designer - Southern Cathodic Protection Company



Attachment 1

Prequalification Certificate

S-21 over Todd Swamp



South Carolina Department of Transportation

Columbia, South Carolina

South Carolina Department

Of

Transportation

Prime Contractor

Prequalification Certificate

This Certifies that your company has complied with the rules and regulations of the Department and the State of South Carolina, and subject to the rules and regulations for a prime contractor, is declared eligible to submit a bid and be awarded any construction contract issued by the Department, subject to obtaining proper bonds and insurance acceptable to the Department and complying with all other statutory and contract requirements.

ALL BIDS SUBMITTED TO THE DEPARTMENT MUST BE IN THE NAME AS SHOWN BELOW.

VENDOR NAME

LEE CONSTRUCTION COMPANY OF THE CAROLINAS, INC.

Vendor ID:

1LE006

Date Issued:

1/9/2024

Expiration Date:

2/28/2025

Approved By: _____

Matthew Gubrie



DAVIS & FLOYD

PLAN | DESIGN | ENGINEER