



S-108 over Brown Creek



S-53 over Little Rocky Creek



S-53 over Little Rocky Creek



S-765 over Hanging Rock Creek



S-294 over Wilsons Creek



S-294 over Wilsons Creek



S-765 over Hanging Rock Creek

STATEMENT OF QUALIFICATIONS

Bridge Package 15 - *Design-Build Project*

Anderson, Chester, Chesterfield, & Lancaster Counties

Contract ID 8862230

October 19, 2022

Pete Weber
Dane Construction, Inc.
704.614.3493
Pete@DaneConstruction.com



3.2 | INTRODUCTION

3.2.1 Contracting Entity \ Dane Construction, Inc. (Dane) will be the Contracting Entity, responsible for the successful and safe delivery of the Bridge Package 15 Design-Build Project in Anderson, Chester, Chesterfield, and Lancaster Counties. Dane has been in business for over twenty-five years and has completed over two hundred bridge projects for SCDOT & NCDOT during that period. Dane specializes in all types of bridge projects with the majority being similar to the bridges in this package. Additionally, we have completed three design-build contracts for NCDOT, and currently have one in progress.

Dane has enlisted the design expertise, experience, and resources of **Neel-Schaffer, Inc. (NS)** to serve as Lead Designer, responsible for the overall design. NS will be supported by trusted local subconsultants that specialize in various disciplines, including Environmental/Permitting, Geotechnical Eng., Utility Coordination, Surveying/SUE, and ROW acquisition.

Dane and NS have visited the bridge sites together to insure our team has all the resources and specialists needed for the project. Some key items identified at the sites were wetlands (S-53 & S-765 Brs.), a jurisdictional ditch (S-108 Br.) and overhead power lines that cross over the S-53 Br.

CONTRACTING ENTITY AND PROJECT MANAGEMENT OFFICE



Peter Brian Weber
 Dane Construction, Inc. Headquarters
 280 Mooresville Boulevard
 Mooresville, NC 28115
 704.664.5042 (O), 704.614.3493 (M)
Pete@DaneConstruction.com

3.2.2 Points of Contact and 3.2.3 Full Legal Names of Lead Contractor and Lead Designer

LEAD CONTRACTOR	LEAD DESIGNER
 <p>Cole Page White, Project Manager Dane Construction, Inc. 280 Mooresville Boulevard Mooresville, NC 28115 704.696.1610 (O), 704.431.3716 (M) Cole@DaneConstruction.com</p>	 <p>Jeffrey Marshall Walters, PE, Lead Designer Neel-Schaffer, Inc. 1320 Main Street, Suite 510 Columbia, SC 29201 803.929.3656 (O), 850.766.5986 (M) jeff.walters@neel-schaffer.com</p>

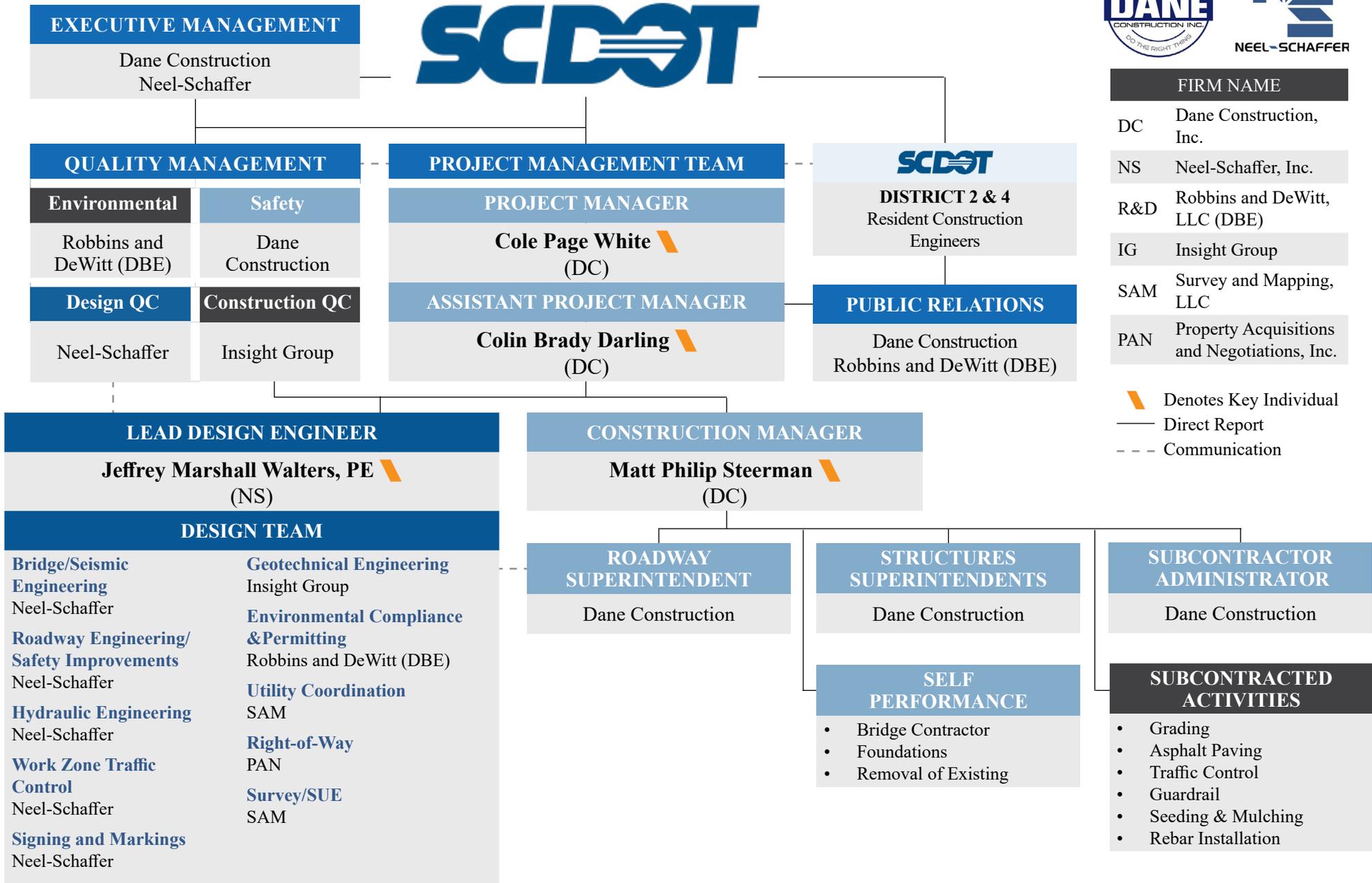
3.2.4 Unique Entity ID of Lead Contractor and Lead Designer

LEAD CONTRACTOR	UNIQUE ENTITY ID	LEAD DESIGNER	UNIQUE ENTITY ID
Dane Construction, Inc.	F37NLYDMWYP8	Neel-Schaffer, Inc.	VSG2MJB3C766

3.2.5 Commitment of Key Individuals \ Our Key Individuals are fully committed to this project in order to meet or exceed SCDOT's quality and schedule expectations, and are available for the duration of the Project. Our Team is also committed to providing all resources and personnel required to successfully deliver this bridge replacement project for SCDOT.

3.3 | TEAM STRUCTURE AND PROJECT EXECUTION

3.3.1 Organizational Chart, Team Structure, and Team Integration \ Organizational Chart



Functional Relationships

EXECUTIVE MANAGEMENT

- Direct access for SCDOT to the leadership/ownership of the D-B Team
- Participates in monthly project meetings.
- Ensures the D-B Team has the required resources.
- Responsible for oversight, QC audits, and accountability.
- Ensures the success of the project.



SCDOT
DISTRICT
2 & 4
Resident
Construction
Engineers

QUALITY MANAGEMENT

Environmental	Safety
Robbins and DeWitt	Dane Construction
Design QC	Construction QC
Neel-Schaffer	Insight Group

- Answers to both SCDOT and D-B Team Executive Management
- Has regular interaction with District 2 & 4 during construction
- Ensures standards are met or exceeded for Design, Construction QC, Environmental Compliance, and Safety
- Performs independent Design Reviews, Constructability Reviews, and Independent Quality Control
- Develops the Quality Control Plan, and has full authority to take corrective action as needed.

PROJECT MANAGEMENT TEAM

PROJECT MANAGER

Cole Page White - Dane

- Serves as primary point of contact for SCDOT
- Has full responsibility for project delivery
- Has full responsibility to make final decisions for the D-B Team
- Attend and lead meetings
- Available at SCDOTs request

ASSISTANT PROJECT MANAGER

Colin Brady Darling - Dane

- Fully dedicated to the project
- Responsible for daily coordination/communication with SCDOT
- Will have no other responsibilities
- Will be available on-site during construction and attend all meetings
- Will be available at SCDOTs request

LEAD DESIGN ENGINEER

Jeffrey Marshall Walters, PE - Neel-Schaffer

- Responsible for all aspects of design
- Serves as the design point of contact
- Attends all design meetings in person

CONSTRUCTION MANAGER

Matt Philip Steerman - Dane

- Responsible for all construction operations on site
- Dedicated to project and attends construction meetings
- Responsible for subcontractor performance, personnel, and equipment
- Will have a superintendent on site for all construction activities at each site

KEY	
	Denotes Key Individual
	Direct Report
	Communication

Team Integration

The diagram to the left further illustrates the working relationships and how our key leadership will function as an integrated team to successfully deliver the project. **Cole White** will serve as the Project Manager and will be the contractual point of contact for SCDOT, allowing **Colin Darling**, Assistant Project Manager, to focus on the day-to-day management of the D-B project. **Jeff Walters** will report directly to Cole White and communicate with Colin Darling. **Matt Steerman** will report directly to Colin Darling on site and communicate with Cole White. Cole, Colin, Jeff and Matt will work closely with each other through out the project.

D-B Team Formed with Integration in Mind

D-B TEAM FORMED BASED ON SIMILARITIES OF FIRMS AND PAST D-B PROJECT EXPERIENCE

Dane Construction & Neel-Schaffer	Subconsultants
<p>While Dane and Neel-Schaffer have not previously teamed successfully on a D-B project, we strategically formed this team to bring our proven D-B experience together to provide SCDOT a new D-B Contractor Team to aid SCDOT in it's major bridge replacement program over the next decade.</p> <ul style="list-style-type: none"> • Dane is a recognized leader in bridge construction, completing more than 220 bridge projects in SC and NC, with 70 completed in the past 5 years. • Dane recently completed 2 NCDOT D-B Bridge Pkgs. as Prime Contractor. • Dane is a proven D-B Bridge Package contractor for NCDOT and a proven DBB Bridge contractor for SCDOT (CPS Score 78.7) and NCDOT. • Dane is well versed on SCDOT Alternative Delivery Division policies/procedures, as Pete Weber has been an active participant on the SCDOT/ACEC/AGC Alternative Delivery Subcommittee since January of 2019. • Likewise, Neel-Schaffer is a D-B experienced firm, having delivered 20 GDOT bridges via D-B bridge packages in the last five years, and recently won GDOT awards for their D-B work in Georgia. • Neel-Schaffer has designed hundreds of bridges for 7 State DOTs. 	<ul style="list-style-type: none"> • Robbins and DeWitt - R&D was selected for the team because both Heather Robbins and Matt DeWitt are known by SCDOT for their personal reputations and expertise in their fields. Matt will be critical to successfully delivering approved permits/mitigation, and with the State Park 4f issue, Heather will be instrumental to our success with her extensive knowledge of this complex and unique SPS/NPS process. NS has also worked with Heather on multiple design contracts. • Insight Group - Insight Group is known for their innovative D-B solutions. Neel-Schaffer has worked with the key staff at Insight Group (Bryan Shiver and Matt Silveston) on NS's US 17 Business intersection improvements – we know them well and trust them to solve the Geotechnical problems this project presents. • SAM - Chosen for two reasons: 1) their reputation as a utility coordination firm, their local Utility Coordinator Mark Attaway (former SCDOT State Utilities Engineer), and their service to SCDOT on the Utility Coordination On-Call, 2) their resources and availability to provide on-site Surveys and SUE. NS has worked with SAM on D-B and DBB projects in TN and GA. • PAN - Has extensive D-B ROW acquisition experience. PAN has been engaged with SCDOT ROW work for decades and understands how to conduct this process via D-B throughout SC. NS has worked with PAN on multiple Design contracts that include R/W acquisition services.

PROJECTS THAT DEMONSTRATE HOW PAST FIRM OR KEY INDIVIDUAL EXPERIENCE SUPPORTS A SUCCESSFUL TEAMING ARRANGEMENT

Dane	NCDOT Div. 13B D-B Bridge Pkg. C203573 (11 bridges)	2014-2018	Contact: Colby Justice; cdjustice@ncdot.gov; 828.658.7034
	Dane was the Prime D-B Contractor. Cole White (proposed PM) was the PM on this NCDOT D-B BR Pkg., and was assisted by Colin Darling (proposed APM), and Matt Steerman (proposed CM). All 3 proposed Key Roles (PM, APM, and CM) worked together on this D-B project. Dane's first time teaming with KCI on a D-B Project.		
Dane	NCDOT Div. 10 D-B Bridge Pkg. C202980 (11 bridges)	2012-2016	Contact: Nat Hunter; ehunter@ncdot.gov; 980.262.6202
	Dane was the Prime D-B Contractor. Cole White was responsible for select bridges within the package. Dane's first time teaming with Wetherill Eng. on a D-B Project.		
Neel-Schaffer	GDOT FY 2022 D-B Bridge Pkg. (6 Bridges over water)	2022-Present	Contact: Anthony Tate; tate@dot.ga.gov; 404.807.7692
	NS is the lead designer for the Prime Contractor (Southern Concrete Construction Co.). Justin Wood (proposed Structural EOR) is the Structural EOR for all bridges.		
	GDOT US 41/SR 247/Pio Nono Ave/College St over NSRR D-B BR Pkg. (2 BRs over RRs)	2020-2021	Contact: Rick O'Hara; ro'hara@dot.ga.gov; 404.631.1169
	Neel-Schaffer was the lead designer for the Prime Contractor (Wright Bros.). Justin Wood was the Structural EOR for both bridges. It should be noted that this D-B Bridge Pkg. received multiple D-B awards. This repeat teaming partnership was based on success on FY 2018 D-B Bridge Pkg (see below).		
Neel-Schaffer	GDOT FY 2018 D-B Bridge Pkg. (6 bridges over water)	2018-2021	Contact: Rick O'Hara; ro'hara@dot.ga.gov; 404.631.1169
	Neel-Schaffer was the lead designer for the Prime Contractor (Wright Bros.). Justin Wood (proposed Structural EOR) was the Structural QA/QC Lead for all 6 bridges. This project was Wright Bros. first GDOT D-B BR Pkg., having only previously delivered a single bridge to GDOT via D-B and their first time teaming with NS.		
	GDOT FY 2016 D-B Bridge Pkg. (11 bridges over water)	2016-2019	Contact: Ron Nelson; ronelson@dot.ga.gov; 912.424.9112
Neel-Schaffer was the lead designer for the Prime Contractor (Southern Concrete Construction Co.). Justin Wood (proposed Structural EOR) was the Structural EOR for all 11 bridges. NS was successful in bringing GDOT a new D-B bridge contractor, and that the project was successful. At that time, Southern Concrete had no D-B experience, and Neel-Schaffer was successful shepherding SCCC thru the D-B process on their first time teaming together, this success led to teaming on FY 2022 Bridge Package (see above).			

While Dane and NS have not yet performed on a Design-Build project as a team. Both Dane and NS have directly applicable D-B bridge package experience as detailed above. NS's successful first-time teaming experience with multiple partners will be a resource for successful delivery of SCDOT's Bridge Package. 15.

3.3.2 Project Resources, Strategies, and Execution Implementation of Resources

- We recognize that SCDOT needs more D-B Bridge Teams, based on the number of bridge replacements identified for delivery via design-build.
- We are responding to that need and have formed our D-B Team to bring SCDOT an experienced D-B bridge contractor (with significant NCDOT D-B experience) and lead design firm (with significant multi-state D-B bridge experience) that are NOT currently involved in any active SCDOT D-B contract (neither as a prime nor a sub). This was deliberate and offers SCDOT a D-B Team completely unencumbered, with absolutely no current SCDOT D-B project burden, and no stretch on our construction or design resources.
- This allows us to focus entirely on this D-B project, commit resources that are currently available, and not worry about other D-B project finish dates and timing of resources being freed-up, or other D-B project competition of any kind.

TEAM CAPACITY, AVAILABLE RESOURCES AND IMPLEMENTATION STRATEGY

	Dane	Neel-Schaffer	Key Subconsultants
Capacity	<ul style="list-style-type: none"> • 75 operations and 4 accounting/receivables employees in 13 bridge crews. Dane anticipates working on multiple bridges and/or using multiple crews on a specific bridge to shorten the closure time. • Over 45 relevant pieces of heavy equipment. In-house equipment: 5 crawler cranes (80 & 110-ton), 1 hydraulic crane (50-ton), 9 track hoes, forklifts, rubber-tired backhoe, 3 pile hammers, vibro-hammer, D5 dozer, motor grader, smooth drum and sheep foot compactor. • Solid relationships with SCDOT Dist. 2 & 4 equipment suppliers. • Ability to haul all equipment internally, providing maximum flexibility 	<ul style="list-style-type: none"> • 500+ staff firm-wide, 150+ staff in Neel-Schaffer’s East Region, including DBIA certified PEs (6 DBIAs and 1 Assoc. DBIA) • 18 staff members in the Columbia office • Successfully delivered multiple GDOT D-B Bridge Packages as the lead design firm (GDOT FY 16 and FY 18 D-B Packages, and recently awarded GDOT's FY 22 D-B Package), demonstrating repeat selections. • Multiple award winning D-B bridge replacement projects (Pg. 10) • Ranked 197 of top 500 Transportation Design Firms (ENR) 	<ul style="list-style-type: none"> • DBE subcontractors will be used for installing rebar and slip forming the barrier rail.
Strategies to Implement Available Resources	<ul style="list-style-type: none"> • All of Dane's key personnel (Cole, Colin & Matt) have successfully worked together in same positions on SCDOT's US 278 over Three Runs Creek bid-build project and NCDOT's Division 13 D-B project (11 bridges). • Dane will self-perform the bridge elements from removal of the existing to setting the box beams. • Dane will use multiple crews to shorten closure time. • If needed, Dane has an additional assistant PM that lives in the Spartanburg area which can be added. • Dane will ensure on-time deliveries of permanent materials and Subcontractors commitments with the current supply chain. • Dane has a proven track record of both safely and completing projects within budget and on-time. 	<ul style="list-style-type: none"> • Experienced D-B Lead Design Engineer via Jeff Walters • Staffing Resources - NS is a discipline-led organization, resources in multiple offices to function as a single unit. • Processes for independent design reviews already in-place based on prior GDOT D-B Bridge Package experience. No need to develop these. • Intimate understanding of SCDOT design submittal/review process, policies, and procedures. NS is currently designing 4 bridges (DBB) for SCDOT (1 SC and 3 US Routes). NS is also performing QC on an additional bridge on US Route. • NS self-performing all critical design functions 	<ul style="list-style-type: none"> • Experienced right of way and utility coordination partners via PAN and SAM • 5-star Environmental/ Permitting/ Mitigation subconsultant via Robbins & DeWitt.
Self-Per-form	<ul style="list-style-type: none"> • Removal of Existing Bridges • Foundations • Setting Box Beams 	<ul style="list-style-type: none"> • Design: Bridge/Seismic, Roadway, H&H, MOT and Signing/ marking 	<ul style="list-style-type: none"> • N/A

DBE Resources

The Dane/NS Team fully anticipates exceeding the 17.1% DBE requirement.

DBE RESOURCES	
Professional Services DBE's (0.1% min.)	<ul style="list-style-type: none"> Robbins and DeWitt (DBE) - Both Heather Robbins and Matt DeWitt, known subject matter experts within the NEPA and Permitting field, will be a critical part of our team. Their role will be primarily Permitting/Mitigation Plan and Environmental Compliance, as well as NEPA if a minor reevaluation of a CE is needed (not anticipated at this time). Their role on the design team will far exceed the required 0.1% Professional Services DBE Goal.
Construction Phase DBE's (17% min.)	<ul style="list-style-type: none"> Dane consistently meets and exceeds the DBE goals set forth on normal bid-build projects let by SCDOT, and has had great success with obtaining competitive quotes from DBE's and utilizing them on our projects. Dane routinely reaches out to DBE's on a monthly basis. Dane solicits DBE quotes from a monthly email that lists the projects we are bidding, dates the quotes are required, assistance in obtaining bonding insurance and equipment, links to plans and specifications, areas of participation needed, and contact information to answer any questions. Dane makes regularly monthly phone calls to DBEs to ensure they are quoting as well as signing up on the Extranet to indicate projects bidding, and Dane offers assistance to DBEs with that process. Typical commitments towards the DBE goals are obtained from grading, seeding and mulching, reinforcing steel, cored slabs or box beams, traffic control, guardrail, and trucking as well as requested DBE participation from asphalt, and non-DBE grading proposals. If shortlisted on D-B Bridge Package 15, the Dane/NS Team will immediately host a construction phase DBE forum specific to D-B BR Pkg. 15, in order to target DBEs in the local project area and region of the state. This forum will explain the project in detail, identify potential DBE opportunities on the project, and capture via sign-in and follow-up all DBEs in attendance.

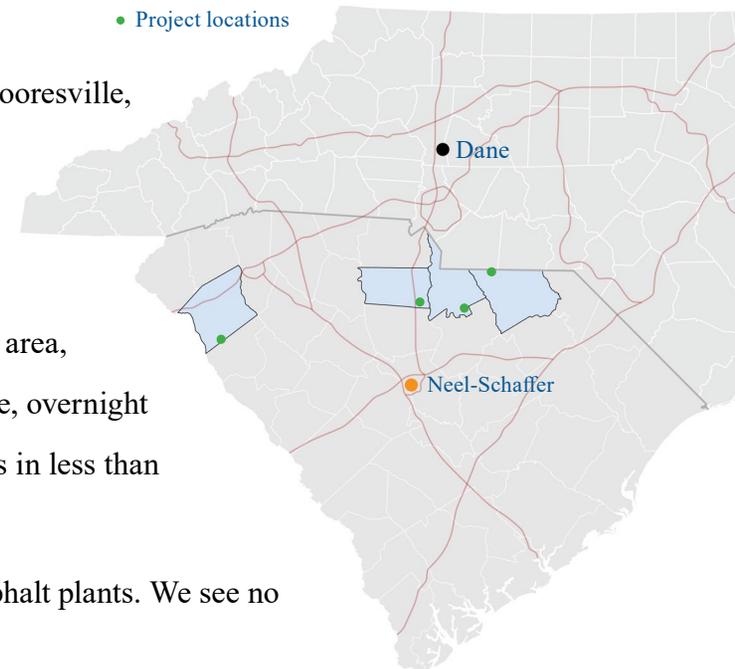
Geographic Location

This D-B Bridge Package is optimal geographically for Dane Construction (headquartered in Mooresville, NC) and Neel-Schaffer (located in Columbia, SC), as well as various members of the Team (most of which are located in Columbia, SC), with 3 of the 4 bridges central to our office operations.

Regarding Dane's bridge crews, 3 of the 4 bridges (Chester, Lancaster, and Chesterfield) can be accessed by crew members within an hour of where they live in the Charlotte/Gastonia (NC) area, allowing them to return home daily and not require overnight stays. For the Anderson County bridge, overnight stays for crews are anticipated. Additionally, design resources can be on-site at any of the 4 locations in less than half a day if needed.

With regard to material suppliers, Dane intends to use local concrete suppliers, quarries, and asphalt plants. We see no geographic challenge with regard to materials.

• Project locations



Team Integration, Issue Resolution & Project Execution

The utilization of seasoned Project Managers and Discipline Leads by NS with D-B experience that have previously worked together and know the urgency needed to stay on schedule and quickly resolve issues when they come up will be a resource for success on the project. Using Dane's proven construction team of Cole White, Colin Darling and Matt Steerman that have successfully worked together on projects for SCDOT and NCDOT means they will have no learning curve and can work as an integrated team and communicate effectively to get the job done successfully.

Both Dane and NS have had success with first time teaming partners on D-B Projects (see [Page 4](#)) by paying attention to details, having routine coordination meetings during the design phase, conducting over the shoulder reviews to minimize rework and conducting routine schedule reviews that are needed when working on multiple bridges on the same project. These are just a few of the techniques to be utilized to execute the project successfully and keep all the bridges on schedule.

To foster integration of the D-B Team and collaborative problem solving, something we consider critically important in any D-B project, regular D-B Team meetings will be conducted in person either on-site or in Neel-Schaffer's Columbia office, depending on the D-B project progress/stage at the time. While virtual meetings will be used, we consider regular in-person meetings within the D-B Team necessary to foster the integration of design and construction and we are committed to regular recurring in-person meetings during the life of this project.



*Completed Project -
NCDOT Div. 10 D-B
Bridge Pkg.*

3.4 | EXPERIENCE OF KEY INDIVIDUALS

3.4.1 Licensed All firms and individuals hold the necessary licenses required to perform the work required for this project under state and local laws.

3.4.2 Role of Key Individuals Key individuals will perform singular roles.

3.4.3 Resumes of Key Individuals Resumes of our Key Individuals are located in [Appendix A](#).

3.4 | EXPERIENCE OF KEY INDIVIDUALS

3.4.4 Project Management Team

COLE PAGE WHITE | *Project Manager* | Dane Construction

EDUCATION: BS, Construction Management

EXPERIENCE: 8.5

RESUME HYPERLINK: [Cole's Resume](#)



- With Dane for eight and a half years as an Engineer Tech., Asst. Project Manager and Project Manager (since 2018)
- Currently Project Manager for NCDOT Div. 11 D-B Bridge Pkg. C20461 for replacement of three Bridges. Total cost is \$4.1 M.
- Project Manager for Dane's recently completed \$4.7 M project for SCDOT US Hwy. 1 Bridge over S. Edisto River - Aiken, SC
- Worked successfully as PM with Colin (APM) and Matt (CM) on NCDOT Div. 13 D-B Bridge Pkg. and SCDOT US 278 over Three Runs Creek Project.
- Cole was the Engineer Tech on our NCDOT Div. 10 D-B Bridge Pkg. and was responsible for overseeing the completion of one bridge.
- Has completed more than thirty cored slab or box beam projects as an APM or PM.
- Certifications / Licenses: NCDOT Level II, Level III Erosion, CEPSCI, NCDOT Work Zone Supervisor, OSHA 30 hour. NCLBGC

COLIN BRADY DARLING | *Assistant Project Manager* | Dane Construction

EDUCATION: 2 years College

EXPERIENCE: 10

RESUME HYPERLINK: [Colin's Resume](#)



- With Dane for ten years as Superintendent and Assistant Project Manager
- Worked successfully as APM with Cole (PM) and Matt (CM) on NCDOT Div. 13 D-B Bridge Pkg. and SCDOT US 278 over Three Runs Creek Project.
- Worked as APM with Matt Steerman (CM) on SCDOT Batesville Rd. Rock Creek Greenville
- Has completed more than 15 cored slab or box beam bridges
- Certifications: OSHA 10 hour, OSHA 20, CCO Crane Operator, SCDOT / NCDOT Level II Erosion, Work Zone Supervisor

3.4.5 Design Engineering Team

JEFFREY (JEFF) MARSHALL WALTERS, PE | *Lead Design Engineer* | Neel-Schaffer

EDUCATION: BS & MS, Civil Engineering

EXPERIENCE: 36

RESUME HYPERLINK: [Jeff's Resume](#)



- Over 30 years of PM experience on major bridge projects totaling over \$4B in construction costs
- Managed Design Teams with up to eight subconsultants to provide complete design services for Owners; Subconsultants have included Roadway/Drainage/E&SC, Geotechnical, Lighting, Electrical, Surveying, Architecture, ROW Appraisals/Acquisition, Environmental Document & Permitting, & Toll Plaza design
- Recent D-B or similar bridge replacement projects, which included multiple bridges: I-280 VGCS, Toledo, OH: D-B-B replacement Bridge over Maumee River (\$200M) included main span bridge, 4 approach and 3 overpass bridges; US 181 Harbor Bridge Replacement Project, Corpus Christi, TX: D-B Replacement Bridge Project (\$800M) included main span bridge, 4 approach bridges, and 15 additional ramp and overpass bridges; Garcon Point Bridge Project, Santa Rosa Cty., FL: D-B-B bridge (3.5 mi) over Escambia Bay (\$55M), 7.5 mi of rdwy. approaches, included bay bridge and 3 additional bridges.

3.4.6 Construction Management Team

MATT PHILLIP STEERMAN | *Construction Manager* | Dane Construction

EDUCATION: High School Diploma

EXPERIENCE: 6

RESUME HYPERLINK: [Matt's Resume](#)



- With Dane for six years handling the day-to-day operations on the project site
- Worked successfully as Construction Manager with Cole White (PM) and Colin Darling (APM) on NCDOT Div. 13 D-B Bridge Pkg. and SCDOT US 278 over Three Runs Creek Project.
- Worked as CM with Colin Darling (APM) on Batesville Rd. Rock Creek Greenville
- Has completed / worked on more than five cored slab or box beam bridges
- Certifications: SCDOT / NCDOT Level II Erosion, OSHA 10, Work Zone Supervisor, CCO Crane Operator

Additional Primary Staff

JUSTIN THOMAS WOOD, PE, DBIA | *Lead Structural Engineer* | Neel-Schaffer

EDUCATION: BS, Civil Engineering **EXPERIENCE:** 17



- Serving as Structural Design Lead for 5 SCDOT bridge replacements
- Strong knowledge of SCDOT Bridge Design Manual
- Recent D-B or similar bridge experience: GDOT FY 16 & 18 D-B Bridges, GDOT Macon D-B Bridges, GDOT SR 400 D-B-F
- Safety Inspection of In-Service Bridges FHWA-NHI-130055
- Fracture Critical Inspection Techniques for Steel Bridges, FHWA-NHI-130078
- Bridge Inspection Refresher FHWA-NHI-130053 (or equivalent)

BRYAN TAYLOR SHIVER, PE | *Lead Geotechnical Engineer* | Insight Group

EDUCATION: MS, Civil Engineering **EXPERIENCE:** 17



- Geotechnical Engineer: SCDOT US 1 over I-20
- Recent Design Build: SCDOT US 1 over I-20, I-26 Widening MM85 to 101, SC 277 over I-77
- Has worked within the SCDOT GDM framework since its inception in 2008, successfully completing over 30 design-bid-build and design-build projects during that time

MATTHEW TODD DEWITT, AICP | *Permitting* | Robbins & DeWitt

EDUCATION: BS, Environmental & Natural Resources **EXPERIENCE:** 16



- 16 years of environmental consulting experience with over 13 years working with SCDOT and FHWA environmental projects
- Close working relationship with SCDOT Environmental Office and regulatory agencies in South Carolina
- Developed NEPA documents and permits for numerous projects across South Carolina
- Performs wetland delineations, protected species surveys, and other environmental reviews
- Extensive experience with environmental project management and compliance during construction

CHRISTOPHER PAUL RUBENS, PE | *Lead Roadway Engineer* | Neel-Schaffer

EDUCATION: BS/MS Civil Engineering Clemson University **EXPERIENCE:** 11



- 11 years of Roadway Design experience.
- D-B experience: I-77 Exit 81 Panthers Interchange, I-20 Twin Bridges over Wateree River, I-526 LCC West, and I-26 Volvo Interchange.
- Familiarity with SCDOT's Roadway Design Manual, Standard Drawings, Standard Specs, Supplemental Technical Specs, ARMS manual and the AASHTO Roadside Design Guide.

MICHAEL RYAN PHILLIPS, PE, CFM | *Lead H&H Engineer* | Neel-Schaffer

EDUCATION: BS, Civil Engineering **EXPERIENCE:** 22



- Familiarity with the SCDOT Requirements for Hydraulic Design Studies
- Has specific experience serving as H&H Design Lead on multiple SCDOT bridge replacement projects including the US 301 BR over Savannah River
- Routinely performs 2D complex hydrologic/hydraulic modeling and flood control infrastructure improvement designs for DOTs
- Recent D-B or similar bridge experience: TDOT I-65 Buckner Rd D-B; GDOT SR 400 D-B-F; GDOT FY 16 & FY 18 D-B Bridges, GDOT Macon D-B Bridges; TDOT I-75/I-24 D-B

MARK CLYDE ATTAWAY | *Utility Coordinator* | SAM

EDUCATION: BS, Mechanical Engineering **EXPERIENCE:** 38



- Recent D-B experience as Project Manager/Utility Coordinator on the SCDOT US1 and I-20 Interchange Improvement Project Near Lexington, SC
- Similar D-B experience SCDOT Closed and Restricted Bridge Replacement Package 1 – District 2 and SCDOT Closed and Load Restricted Bridge Package 2021-1
- Former SCDOT State Utilities Engineer

3.5 | PAST PERFORMANCE OF TEAM

3.5.1 Experience of Proposer's Team Our Team brings to this Project extensive experience designing and constructing similar bridge package replacement projects. In addition to the project examples provided in the [Appendix B | Lead Contractor and Lead Designer Work History and Quality Forms](#), the table on the following page further demonstrates our Teams qualifications to manage, design and construct this project.

As Individual firms and as a Team, Dane Construction and Neel-Schaffer bring SCDOT and District 2 & 4 extensive experience designing and constructing similar bridge replacement projects.
(Legend: E=Expedited UW= Underway)

		Delivery Method	Bridges/Bridge Replacement	Box Beams	On-Time	On Budget	Multiple Crews	Demolition	Const. Mgmt.	Design Mgmt.	Roadway	Drainage/E&SC	MOT or Detours	Right-of-Way	Utilities	Envir./Permits/Mitigation
Project		Project Features														
Dane Construction	NCDOT Div 10 D-B BR Pkg. C202980	11 Bridge Replacements	D-B	11		•	•	•	•	•	•	•	•	•	•	•
	NCDOT Div. 13B D-B BR Pkg. C203573	11 Bridge Replacements	D-B	11	•	•	•	•	•	•	•	•	•	•	•	•
	NCDOT Div. 11 D-B Bridge Pkg. C20461	3 Bridge Replacement	D-B	3	•	UW		•	•	•	•	•	•		•	•
	SCDOT US 278 over Three Runs Creek Aiken	214' Type III PSG	DBB	1		•	•	•	•		•	•				
	NCDOT NC 1340 over Cowee Creek Macon DN00279	40' cored slab	DBB	1		•	•	•	•		•	•	•			
	NCDOT SR 1314 over Devil Cradle Creek Franklin DE00205	92' box beam	DBB	1	•	•	•		•	•		•	•	•		
	NCDOT SR 1001 over Norris Creek Franklin DE00257	102' & 85' box beams	DBB	2	•	•	•		•			•	•	•		
Neel-Schaffer	GDOT FY2018 D-B Bridge Pkg.	6 Bridge Replacements over water	D-B	6	•	•	•	•	•	•	•	•	•		•	•
	GDOT US 41/SR 247/Pio Nono Ave/College St over NSRR D-B Bridge Replacements	Bridge Replacements over Railroad	D-B	2		E	•	•	•	•	•	•	•		•	•
	GDOT FY2016 D-B Bridge Pkg.	11 Bridge Replacements over water	D-B	11		•	•	•	•	•	•	•	•		•	•
	TDOT I-75/I-24 (Owner's Rep)	System Interchange	D-B	14		UW		•	•	•	•	•	•		•	•
	US 76 Bridge over US 601	Retaining walls in 4 quadrants	DBB	1		•	•		•	•	•	•	•	•	•	•
	US 601 Bridge over Colonels Creek	Complex Geotechnical Acquitard	DBB	1		•	•		•	•	•	•	•	•	•	•
	US 301 Bridge over Savannah River	Complex Scour and Liquefaction	DBB	1		Design UW			•	•	•	•	•	•	•	•

3.5.2 Quality of Past Performance

We are committed to being responsible partners with the stakeholders and are prepared to provide a quality product in a timely manner. No individuals or firms have been suspended, debarred, disqualified from bidding, or declared ineligible within the last five years.



SCDOT Contractor Performance Score (CPS)

78.7



Neel-Schaffer Project Awards (GDOT D-B Bridge Replacements)

GDOT/ACEC (GPTQ) Quality Preconst. Award D-B and Bridge/Structural Design Categories

SASHTO 2021 America's Transportation Awards regional Quality of Life/Community Development

ACEC-GA Engineering Awards 2022 Engineering Excellence Merit Award

SCDOT Average CPE Score (Category A)

8.13

Appendix A

Key Individual Resume Forms



KEY INDIVIDUAL RESUME FORM

Brief Resume of Key Individual anticipated for the Project.	
a. Name & Title: Cole Page White Project Manager	
b. Role of Key Individual for this Project: Project Manager	
c. Name of Firm with which you are now associated: Dane Construction Inc	
d. Years of Experience: With this Firm 8.5 Years With Other Firms 0 Years	<ul style="list-style-type: none"> ✓ D-B Delivery ✓ D-B-B Delivery ✓ Bridge Replacement ✓ Demolition ✓ Detours ✓ Traffic/MOT ✓ E&SC ✓ Multiple Bridges (on 1 contract) ✓ Utility Coordination ✓ Environmentally Sensitive Sites
<p>Dane Construction, Inc.: Project Manager- Responsible for cost management, project procurement, project coordination, project safety, project closeout, and overall schedule. 2018- Present Assistant Project Manager- Responsible for assisting PM with project budget, project scheduling, field survey, bridge construction, project closeout and estimating. 2016-2018 Engineer Technician- Field presence, responsible for assisting project supervisor with pre-planning, safety inspections, project construction, and construction scheduling. 2014-2016</p>	
e. Education: University of North Carolina at Charlotte/ Charlotte, NC / Bachelor of Science Construction Management/ Class of 2014	
f. Active Registrations: Not applicable	
g. Document the extent and depth of your experience and qualifications relevant to the Project.	
<p><u>NCDOT Division 11 D-B Bridge Package C204611 (3 Bridges) in Alleghany and Wilkes Counties, NC</u></p> <p>Key Personnel Role: Project Manager Experience with Current Firm: Dane Construction Inc. Project/Assignment Duration: Project 2022 - present, Assigned 2022 - Present Owner Contact Information: NCDOT Randell Miles rsmiles@ncdot.gov (336)-530-6018 cell Design/Construction Value: \$4.11 Million</p> <p>Project Description: Current design-build project consisting of three bridge replacements including a three-span cored slab on drilled shafts bents, a single span box beam with permanent sheeting integrated into the end bents, and a single span box beam that will be staged. Cole is the PM on this project and is responsible for cost management, safety, utility relocation coordination, review of preliminary and sealed for construction plans, and all Designer meetings as well as routine site visits.</p>	
<p><u>NCDOT Division 13B D-B Bridge Package C203573 (11 Bridges) in Buncombe, Madison, Mitchell Counties, NC</u></p> <p>Key Personnel Role: APM / Project Manager Experience with Current Firm: Dane Construction Inc. Project/Assignment Duration: Project 2014-2018, Assigned 2016-2018 Owner Contact Information: NCDOT Colby Justice RCE Division 13, Cameron Cochran was the RCE when the project was built. Colby was on the project as an inspector during construction. cjustice@ncdot.gov Design/Construction Value: \$11.43 Million</p> <p>Project Description: Design-build project consisting of 11 bridge replacements including cored slabs, box beam bridges, deck, and multiple span bridges. Nine of these bridges were phased construction, and 2 were built offline. These included soldier pile walls, soil nail walls, temporary MSE walls, temporary sheeting, spread footers, gravity retaining walls, temporary detour roads, rock blasting, pile excavation, drilled shafts, and temporary causeways. Cole started as the APM and then was promoted to PM on this project and was responsible for cost management, project coordination, safety, overall project scheduling, and owner relations. Colin Darling worked as an APM</p>	

after Cole's promotion and Matt Steerman was the Construction Manager and worked under Colin. This successful and proven team of Cole, Colin & Matt will be a resource for the success of SCDOT's design-Build Bridge Package 15.

NCDOT Bridge #88 - Snow Hill Road over Cowee Creek (DN00481) in Macon County, NC

Key Personnel Role: Project Manager
Experience with Current Firm: Dane Construction Inc.
Project/Assignment Duration: Project 2019-2020, Assigned 2019-2020
Owner Contact Information: NCDOT, Kenny McCourt, kcmccourt@ncdot.gov(828)-524-2517
Design/Construction Value: \$934,000

Project Description:

This bid-build project included a single span, 60' cored slab bridge with pile end bents and associated roadway. Additionally, it had an accelerated schedule for the local school district which Dane completed on time and earned the entire incentive from NCDOT. Replacement was in Historic Cowee, NC. Cole was PM on this project and was responsible for project coordination, scheduling, safety, owner relations, and cost control.

SCDOT US 278 Bridge over Three Runs Creek (ID 0039096) in Aiken County, SC

Key Personnel Role: Project Manager
Experience with Current Firm: Dane Construction Inc.
Project/Assignment Duration: Project 2017-2019, Assigned 2018-2019
Owner Contact Information: SCDOT Bobby Usry 803-641-7600 usrybm@scdot.org Jeffery Taylor 803-443-8992 taylorjl@scdot.org
Design/Construction Value: \$4.09 Million

Project Description:

A bid-build project that included a 214' three span deck bridge using Type III prestress concrete beams and concrete piles at all bent locations, and a culvert extension. Additionally, a 200' temporary detour bridge was installed that included concrete pile foundations for bents 1 and 3 and a pipe pile foundation for bent 2. The project was in Aiken County, SC. Cole White was the PM on this project from 2018 – 2019 and was responsible for project coordination, scheduling, safety, owner relations, and cost control.

NCDOT I-40 Bridges #149 & #150 over SR-1744 (C204072) in Burke County, NC

Key Personnel Role: Project Manager
Experience with Current Firm: Dane Construction Inc.
Project/Assignment Duration: Project 2018-2022, Assigned 2018-2022
Owner Contact Information: NCDOT, Mark Biggerstaff PE, mabiggerstaff@ncdot.gov (828)-803-9954
Design/Construction Value: \$14 Million

Project Description:

This was a bid-build project with that included two bridge replacements on I-40 which included a temporary detour bridge re-alignment to accommodate the construction phasing, temporary shoring locations for traffic, MSE wall construction, grading, paving, phased construction of the entire interchange ramps, and numerous interstate traffic shifts. Cole was PM on this project and was responsible for project coordination, scheduling, safety, owner relations, and cost control.

SCDOT US Hwy 1 Bridge over S Edisto River (ID 0029920) in Aiken, SC

Key Personnel Role: Project Manager
Experience with Current Firm: Dane Construction Inc.
Project/Assignment Duration: Project 2020-2022, Assigned 2020-2022
Owner Contact Information: SCDOT, Jeffery Taylor, taylorJL@scdot.org , (803) 443-8992
Design/Construction Value: \$4.7 Million

Project Description:

This bid-build project consisted of a temporary bridge alignment and new alignment construction of a four-span PSG, deck bridge across the S. Edisto River in Ridge Spring SC. Included temporary shoring, drilled shafts, driven pile, utility relocations, existing bridge demolition, grading and asphalt. Cole was PM on this project and responsible for project coordination, scheduling, safety, owner relations, 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.

Cole is not required to be on-site during construction but will make routine visits to each bridge site throughout the construction of the bridges and roadways, and for meetings and key construction operations.

KEY INDIVIDUAL RESUME FORM

Brief Resume of Key Individual anticipated for the Project.	
a. Name & Title: Colin Brady Darling Assistant Project Manager	
b. Role of Key Individual for this Project: Assistant Project Manager	
c. Name of Firm with which you are now associated: Dane Construction Inc	
d. Years of Experience: With this Firm 8 Years With Other Firms 0 Years	<ul style="list-style-type: none"> ✓ D-B Delivery ✓ D-B-B Delivery ✓ Bridge Replacement ✓ Demolition ✓ Detours ✓ Traffic/MOT ✓ E&SC ✓ Multiple Bridges (on 1 contract)
<p>Dane Construction Inc.: Assistant Project Manager/ General Superintendent - Responsible for all daily operations on projects in North and South Carolina. 2016-2022.</p> <p>Superintendent – Responsible for construction of various bridge elements on projects in North and South Carolina. 2014 - 2016</p>	
e. Education: Brevard College 1-year, Blue Ridge Community College 1 year	
f. Active Registrations: Not applicable	
g. Document the extent and depth of your experience and qualifications relevant to the Project.	
<p><u>NCDOT Division 13B D-B Bridge Package C203573 (11 Bridges) in Buncombe, Madison, Mitchell Counties</u></p> <p>Key Personnel Role: Assistant Project Manager/ General Superintendent</p> <p>Experience with Current Firm: Dane Construction Inc</p> <p>Project/Assignment Duration: Project 2016-2017, Assigned 2016-2017</p> <p>Owner Contact Information: NCDOT Colby Justice RCE Division 13, Cameron Cochran was the RCE when project was built. Colby was on the project as an inspector during construction. cdjustice@ncdot.gov</p> <p>Design/Construction Value: \$11.43 million</p> <p>Project Description: This design build project consisted of 11 bridges. The bridges were cored slab, box beam, poured deck and multi span box beam. Dane had nine phased bridges with two of them utilizing detours. On these bridges Dane incorporated soldier pile walls, soil nail walls, temporary MSE walls, temporary sheeting, spread footings, gravity retaining walls, temporary detour roads, rock blasting, pile excavation, driven pile, drilled shafts and temporary causeways. The jobs were in Madison County, Buncombe County and Mitchell County (NC). Colin was APM working with Matt Steerman and the Dane Team on site to complete each of the eleven bridges and roadways. He was responsible for, managing Subs, handling the traveling public on unique traffic control requirements on each bridge location, safety, working directly with our temporary shoring subcontractor to install varying different applications.</p>	
<p><u>SCDOT US 278 Bridge over Three Runs Creek (ID 0039096) in Aiken County, SC</u></p> <p>Key Personnel Role: Assistant Project Manager/ General Superintendent</p> <p>Experience with Current Firm: Dane Construction Inc</p> <p>Project/Assignment Duration: Project 2017-2019, Assigned 2017-2019</p> <p>Owner Contact Information: SCDOT Bobby Usry 803-641-7600 usrybm@scdot.org Jeffery Taylor 803-443-8992 taylorjl@scdot.org</p> <p>Design/Construction Value: \$4.09 Million</p> <p>Project Description: A bid-build project that included a 214' three span deck bridge using Type III prestress concrete beams and concrete piles at all bent locations, and a culvert extension. Additionally, a 200' temporary detour bridge was installed that included concrete pile foundations for bents 1 and 3 and a pipe pile foundation for bent 2. The project was in Aiken County, SC. Colin was on-site daily and responsible for controlling and managing subcontractors, material deliveries, ensuring safety and overseeing all operations. Colin was the general Superintendent from 2017 – 2018, and then he was the APM from 2018 – 2019. Cole White was the PM on this project from 2018 - 2019.</p>	

SCDOT Batesville Road Bridge over Rock Creek (ID 00378686) in Greenville County, SC

Key Personnel Role: Assistant Project Manager/ General Superintendent
Experience with Current Firm: Dane Construction Inc
Project/Assignment Duration: Project 2018-2020, Assigned 2018-2019
Owner Contact Information: Jeff Jordan 1-864-979-4168 RCE SCDOT jordonjc@scdot.org
Design Construction Value: \$2.1 Million

Project Description:

Eagle Construction selected Dane as the bridge subcontractor on this bid-build project which consisted of a 260' long and 60' wide with Type III concrete beams and a poured deck with sidewalks one each side. Bents 1 and 4 were driven pile foundations and bents 2 and 3 were drilled shafts with standard columns and caps. The project was in Greenville County, SC. Colin was on-site daily and responsible for attending weekly meetings with the GC, cost control, managing subs, and overseeing the bridge construction. He supervised crews working on pile driving, forming substructure & superstructure, placing rebar, concrete pours for substructure & superstructure, parapet construction and punch list completion.

City of Hickory 46th Ave. Drive NE Bridge over Snow Creek in Catawba County, NC

Key Personnel Role: Superintendent
Experience with Current Firm: Dane Construction Inc
Project/Assignment Duration: Project 2014-2015, Assigned 2014-2015
Owner Contact Information: City Construction Manager Steve Miller- 828-302-3739
smiller@hickorync.gov
Inspector Jerry Bowman- 828-308-3917 jrbowman@hickorync.gov
Design Construction Value: \$942,205

Project Description:

This bid-build project was a 75' box beam bridge on pile bents and utilities installed under the bridge. Parapet included a stone form liner and stained black guardrail with timber guardrails coming off the approach slabs for an entrance into a sub-division. The project also required a creek realignment with plantings and trees as part of the overall contract. Colin was the Superintendent on this project and responsible for all construction related activities, owner meetings, managing subs, and site safety.

- 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.

Colin Brady Darling is currently the APM working on a project for the City of Hickory and Neill Grading. This project will be completed by December 2022 and Colin will be available immediately upon a successful bid in March 2023 on SCDOT's Design-Build Bridge Package 15.

KEY INDIVIDUAL RESUME FORM

Brief Resume of Key Individual anticipated for the Project.	
a. Name & Title: Matt Philip Steerman Construction Manager	
b. Role of Key Individual for this Project: Construction Manager	
c. Name of Firm with which you are now associated: Dane Construction Inc	
d. Years of Experience: With this Firm <u>6</u> Years with Other Firms <u>0</u> Years	<ul style="list-style-type: none"> ✓ D-B Delivery ✓ D-B-B Delivery ✓ Bridge Replacement ✓ Demolition ✓ Multiple Bridges (on 1 contract)
<p>Dane Construction Inc.: Construction Manager – Responsible for the day-to-day management of construction activities onsite for a variety of bridges in North Carolina and South Carolina, including cored slab and box beams 2016 – 2022</p>	
e. Education: High School Diploma	
f. Active Registrations: Not applicable	
g. Document the extent and depth of your experience and qualifications relevant to the Project	
<p><u>NCDOT Div. 13B D-B Bridge Pkg C203573 in Buncombe, Madison, Mitchell Counties, NC</u></p> <p>Key Personnel Role: Construction Manager Experience with Current Firm: Dane Construction Inc Project/Assignment Duration: Project (2014-2018), Assigned (2014-2018) Owner Contact Information: NCDOT Div. 13 Colby Justice RCE 828-658-7034 cdjustice@ncdot.gov Colby Justice worked on the design build project as an inspector and has been promoted to RCE for Division 13. Design/Construction Value: \$11.43 million Project Description: This Project consisted of 11 bridges. The bridges were cored slab, box beam, poured deck and multi span box beam. Dane had nine phased bridges with two of them utilizing detours. On these bridges Dane constructed soldier pile walls, soil nail walls, temporary MSE walls, temporary sheeting, spread footings, gravity retaining walls, temporary detour roads, rock blasting, pile excavation, driven pile, drilled shafts and temporary causeways. The jobs were in Madison County, Buncombe County and Mitchell County (NC). Matt was responsible for the day-to-day operations onsite for the construction of the bridges and roadways. Matt supervised crews working on installing various wall types on the project, pile driving, drilled shaft installation, forming substructure & superstructure, placing rebar, concrete pours for substructure & superstructure, parapet construction and completion of punch list. Matt worked under the supervision of Cole White and Colin Brady on this project.</p> <p><u>SCDOT US 278 Bridge over Three Runs Creek (ID 00396096) in Aiken County, SC</u></p> <p>Key Personnel Role: Construction Manager Experience with Current Firm: Dane Construction Inc Project/Assignment Duration: Project (2017-2019), Assigned (2017-2019) Owner Contact Information: SCDOT Jeffery Taylor 803-443-8992 taylorjl@scdot.org Assistant RCE Design/Construction Value: \$4.09 million Project Description: This was a bid-build project that included a 214' three span deck bridge using Type III prestress concrete beams and concrete piles at all bent locations, and a culvert extension. Additionally, a 200' temporary detour bridge was installed that included pile foundations for bents 1 and 3 and a pipe pile foundation for bent 2. The bridge was in Aiken County, SC. Matt was responsible for onsite management of the day-to-day operations of the construction of the bridge and roadway. Matt worked directly under Colin Darling who was the APM on this project. Matt supervised crews working on installing temporary detour bridge, culvert extension work, pile driving, forming substructure & superstructure, placing rebar, concrete pours for substructure & superstructure, parapet construction and punch list completion.</p>	

NCDOT Riverbend Road Bridge over Rocky Branch (DN00279) in Macon County, NC

Key Personnel Role: Construction Manager
Experience with Current Firm: Dane Construction Inc
Project/Assignment Duration: Project 2019, Assigned 2019
Owner Contact Information: NCDOT Assistant RCE Kenny McCourt 828-554-5920 kemccourt@ncdot.gov
Design/Construction Value: \$394,313

Project Description:

This bid-build project was a single span, 40' cored slab bridge with pile end bents and associated grading in Macon County, NC. Matt completed this bridge under Project Manager Cole White. Matt was responsible for managing all onsite day-to-day construction operations and managing all subcontractors. Matt supervised crews working on pile driving, forming substructure, placing rebar, concrete pours for substructure, parapet construction and punch list completion.

NCDOT Snow Hill Road Bridge over Cowee Creek (DN00481) in Macon County, NC

Key Personnel Role: Construction Manager
Experience with Current Firm: Dane Construction Inc
Project/Assignment Duration: Project 2019, Assigned 2019
Owner Contact Information: NCDOT Assistant RCE Kenny McCourt 828-554-5920 kemccourt@ncdot.gov
Design/Construction Value: \$896,218

Project Description:

This bid-build project was a single span, 60' cored slab bridge with pile end bents and associated roadway. Additionally, it had an accelerated schedule for the local school district which Dane completed on time and to earn the entire incentive from NCDOT. The project was in Macon County, NC. Matt was directly responsible for schedule control on this project to ensure that we received the incentive from NCDOT. Matt was also responsible for managing all onsite day-to-day construction operations by Dane as well as coordinating subcontractors and completing the bridge and roadway. Matt supervised crews working on pile driving, forming substructure, placing rebar, concrete pours for substructure, parapet construction and punch list completion.

SCDOT Batesville Road Bridge over Rock Creek (ID 00378686) in Greenville County, SC

Key Personnel Role: Construction Manager
Experience with Current Firm: Dane Construction Inc
Project/Assignment Duration: Project 2018-2020, Assigned 2018-2019
Owner Contact Information: Jeff Jordan 1-864-979-4168 RCE SCDOT jordonjc@scdot.org
Design Construction Value: \$2.1 Million

Project Description:

Dane was a subcontractor on this bid-build project to Eagle Construction which consisted of a 260' long 60' wide Type III prestress beam bridge and poured deck bridge with sidewalks one each side. Bents 1 and 4 were driven pile and 2 and 3 were drilled shafts. The project was in Greenville County, SC. Matt was responsible for managing the day-to-day construction operations onsite and worked closely with Dane's APM Colin Darling to complete the bridge and roadway. Matt supervised crews working on pile driving, drilled shaft installation, forming substructure & superstructure, placing rebar, beam erection, concrete pours for substructure & superstructure, parapet completions and punch list completion.

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

Matt is currently on a private project that will wrap up prior to the bid date of March 2023 for SCDOT's Design-Build Bridge Package 15 and would be immediately available to start bridge work and any required upfront coordination as needed.

KEY INDIVIDUAL RESUME FORM

Brief Resume of Key Individual anticipated for the Project.	
a. Name & Title:	Jeffrey Marshall Walters, P.E. Senior Project Manager for Alternative Delivery 
b. Role of Key Individual for this Project:	Lead Design Engineer
c. Name of Firm with which you are now associated:	Neel-Schaffer, Inc.
d. Years of Experience: With this Firm <u>1.8</u> Years With Other Firms <u>35</u> Years	<p>Neel-Schaffer: Senior Project Manager for Alternative Delivery – Served as PM on multiple Design-Build Pursuits., 12/2020 – Present.</p> <p>FIGG: Sr. Project Director - Managed large D-B projects (\$25M - \$800M). Developed Schedules & Schedule of Values, prepared invoices for Engineering Team, managed bridge design & subconsultants (Roadway, Drainage, Geotechnical, Survey, Environmental, Lighting, Electrical, etc.), responsible for all deliverables, reviewed plans, reviewed contractor submittals & shop drawings during construction, etc., 1/2011 – 10/2020.</p> <p>FIGG: Regional Director (SE) - Responsible for all aspects of managing office of 25 engineers/CAD technicians working on multiple bridge projects - staffing, budgeting, QC of deliverables prior to submittals, training, mentoring, etc. Also managed large bridge projects (with 5 – 8 subconsultants), 8/2006 – 1/2011.</p> <p>FIGG: Assistant Regional Director (SE) - Assisted with all aspects of managing office of 25 engineers/CAD technicians working on multiple bridge projects. 11/1996 – 8/2006.</p> <p>FIGG: Bridge Eng. & Sr. Bridge Eng. - Managed major bridge projects (\$5M - \$200M) and performed design of bridge superstructure & substructure elements, managed subconsultants (Roadway, Drainage, Geotechnical, Survey, ROW, Archeologists, Env. Doc. & Permitting, Lighting, Electrical) led plan development, QC of plans, review of contractor submittals and review of shop drawings., 6/1990 – 11/1996.</p> <p>Douglas Engineering: Project Engineer – Worked on design & plan development on two bridge contracts for ALDOT (I-65 & I-565) that included 12 and 8 bridges respectively, 4/1985 - 6/1990.</p> <p>During the first 25 years of his career, Jeff was Project Manager on many D-B-B projects where he was involved from conceptual studies through the completion of construction and worked with contractors to quickly solve field problems, reviewing contractor submittals and participating in coordination meetings throughout construction (remotely and on-site) enabling Jeff to easily make the transition to working on Design-Build projects over the last 11 years. Many of the projects Jeff has worked on throughout his 35 year career have been major bridge projects that included multiple interchange or overpass bridges as part of the project and Jeff has successfully managed these projects and the coordination of large design teams (with up to 8 subconsultants) to meet the individual and overall deliverable schedules with a coordinated effort between all disciplines. Jeff was also in an office management position for 15 years where he led a team of 25 Engineers & CAD Technicians typically working on mix of 8 – 10 bridge projects in preliminary design, final design & construction.</p> <div style="border: 1px solid black; background-color: #e1f5fe; padding: 5px; width: fit-content; margin-top: 10px;"> <ul style="list-style-type: none"> ✓ D-B Delivery ✓ D-B-B Delivery w/Construction Phase Involvement ✓ Bridge Replacement ✓ Demolition ✓ Detours ✓ Traffic/MOT ✓ Utility Coordination ✓ Environmental/Permitting ✓ Public Involvement ✓ ROW Acquisition ✓ E&SC ✓ Multiple Bridges (on 1 contract) ✓ Bridges for National Park Service </div>
e. Education:	Univ. of Alabama Birmingham (UAB) / Birmingham, AL / Master of Science / 1990 / Civil Engineering Auburn University / Auburn, AL / Graduate School / 1984 - 1985 / No Degree Auburn University / Auburn, AL / Bachelor of Science / 1984 / Civil Engineering
f. Active Registrations:	2021 / SC / Civil / 39179; 1990 / AL / Civil / 17612; 1995 / FL / Civil / 49716; 1999 / OH / Civil / E-64327; 2010 / VA / Civil / 0402047037; 2010 / GA / Civil / 35485; 2013 / LA / Civil / 38315; 2021 / TN / Civil / 125031; 2021 / MS / Civil / 31964; 2021 / NC / Civil / 52281; 2021 / TX / Civil / 141628

g. Document the extent and depth of your experience and qualifications relevant to the Project.

Lesner Bridge Replacement Project (US 20 over Lynnhaven Inlet), Virginia Beach, VA

Key Personnel Role: Project Manager for Bridge Design
Experience with Current Firm: No - Experience with FIGG (subconsultant to Clark-Nexsen Engineers)
Project/Assignment Duration: Project 2007-2018, Assigned 2007 – 2014 (Design Phase)
Owner Contact Information: City of VB, David Jarman, PE, DJarman@vbgov.com, (757) 385 -4144.
Design/Construction Value: \$80 M

Project Description:

This D-B-B project included 1,575-foot twin precast segmental bridges requiring staged construction and demolition of the existing bridges. The bridge included 150' approach spans and a 225' main span over the Lynnhaven River. Jeff was the project manager for preliminary and final design for the bridge, reviewed plans and developed bridge related special provisions.

SR 951 Jolley Bridge Design-Build Project, Marco Island, FL

Key Personnel Role: Senior Project Director
Experience with Current Firm: No - Experience with FIGG
Project/Assignment Duration: Project 2009-2011, Assigned 2009-2011 (2 years)
Owner Contact Information: Florida DOT Owner's Representative, Scott Case, PE, scase@eec-usa.com, (561) 677-0707 (no FDOT employees that worked on the project are still employed by FDOT).
Design/Construction Value: \$27 Million

Project Description:

This D-B project was an ARRA project and included the construction of a new SB Bridge onto Marco Island, FL to complete the four-laning us SR 951. The new 1,600' long bridge used 78" Florida I Beams with 145' spans and 55' of vertical clearance. The project included approach roadway improvements to connect with the existing 4-lane roadway sections, retaining walls, landscaping, lighting, etc. Jeff managed the bridge design and 5 subconsultants (roadway, drainage, geotechnical, landscaping, utilities, environmental permitting & bridge hydraulics).

Honolulu Rail Transit Design-Build Project, Honolulu, HI

Key Personnel Role: On-Site Design Coordinator (for 8 months for Segmental Bridge Superstructure)
Experience with Current Firm: No - Experience with FIGG (subconsultant to HNTB)
Project/Assignment Duration: Project 2009-2017, Assigned (on-site) July 2014 – February 2015 (8 months)
Owner Contact Information: HART (Honolulu Authority for Rail Transportation), Ryan Anderson, PE, ryan.anderson@kiewit.com, (808) 286-8861. As a subconsultant on design team, Jeff's coordination/interaction was with HNTB and Kiewit's Design Coordinator (Ryan Anderson) & Kiewit's QC Manager (Tracy Martin).
Design/Construction Value: \$800 Million

Project Description:

D-B project to construct an elevated rail line on the island of Oahu, Hawaii. Kiewit Team built the first 2 sections on west end including 10 miles of bridge with 443 spans that were installed in the median of a congested highway while maintaining traffic. Prior to his on-site assignment, Jeff led the design office preparing plans for the segmental superstructure design/plans. While on-site Jeff coordinated design efforts with Kiewit's Design Manager and engineers for the segmental precast yard & bridge erection and prepared & approved structural repair procedures.

US 181 Harbor Bridge Replacement Design-Build Project, Corpus Christi, TX

Key Personnel Role: Assistant Design Manager (under Jay Rohleder, PE & Bill Johnson, PE)
Experience with Current Firm: No - Experience with FIGG
Project/Assignment Duration: Project 2015 - Present, Assigned 2016-2020 (5 years)
Owner Contact Information: TxDOT, Joseph Briones, PE, joseph.briones@txdot.gov, (361) 808-2327.
Design/Construction Value: \$800 Million

Project Description:

D-B project for replacement of the existing Harbor Bridge including over 1 million SF of segmental bridge approaches. Jeff served 18 months as the Assistant Design Manager in home office for the design responsible for meeting all design deliverables, managed 7 subconsultants and developed Design Schedule & SOV's (over 800-line items). Jeff managed the schedule and staffing for the main span unit, segmental approaches, and for the fifteen (15) ramp and interchange bridges. Then Jeff managed Design Office Support services for 3.5 years (reviewed construction equipment submittals & shop drawings, participated in weekly coordination meetings with construction team, addressed NCR's & RFI's). Jeff made over 20 visits to project site to coordinate directly with the contractor.

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.

Jeff is not required to be onsite during construction, but he will make routine visits to the bridge sites throughout the construction of the bridges and roadway for meetings and key construction operations.

Appendix B

Work History and Quality Forms (Section 3.5.1)



WORK HISTORY AND QUALITY FORM – CONTRACTOR/DESIGNER
Lead Contractor – Dane Construction 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 Dane’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 Dane (in thousands)
Name: NCDOT Division 13B D-B Bridge Package C203573 Location: Buncombe, Madison, Mitchell Counties, NC	Name: KCI – Lead Project Designer	Name of Owner: NCDOT Project Manager: Inspector then and now Resident Engineer, Colby Justice Phone: 828.658.7034 Email: cdjustice@ncdot.gov	08/2014 (start design) 05/2018 (completed)	\$11,431	\$6,830

g. Narrative describing the work performed by Dane Construction Inc.- Dane is the proposed Lead Contractor

Dane Construction, Inc. completed the replacement of eleven bridges which included seven cored slab bridges, two box beam bridges, a box bridge/cored slab combination, a pre-stress girder deck bridge and a cast-in-place box culvert. Seven of these bridges were phased / staged construction, and four were built offline or detours. These included soldier pile walls, soil nail walls, temporary MSE walls, temporary sheeting, spread footers, gravity retaining walls, temporary detour roads, rock blasting, pile excavation, drilled shafts, and temporary causeways.

Cole White was the PM on this project and was assisted by Colin Darling and Matt Steerman. This was a very effective combination and will be a resource for success on SCDOT’s Package 15.



- Key Relevancies:**
- ✓ D-B Delivery
 - ✓ Bridge Replacement
 - ✓ Demolition
 - ✓ Detours
 - ✓ Traffic/MOT
 - ✓ Utility Coordination
 - ✓ ROW Acquisition
 - ✓ Erosion & Sedimentation Control
 - ✓ Multiple Bridges On 1 Contract

Bridges		Length	Location (Co.)
1	Two span cored slab	102’	Buncombe
2	Single span cored slab	70’	Buncombe
3	Single span cored slab	60’	Buncombe
4	Two barrel culvert	57’	Buncombe
5	Single span Box Beam	90’	Madison
6	Two span cored slab/ box beam combination, phased	135’	Madison
7	Single span cored slab	75’	Madison
8	Two span cored slab, phased	130’	Mitchell
9	Single span cored slab, phased	35’	Mitchell
10	Single span 54” PSG	107’	Mitchell
11	Single span cored slab	70’	Mitchell

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

Each project presented unique scopes from staged bridges requiring temporary shoring, and traffic control. All were delivered safely and on time. Two of the eleven bridges were value engineered to provide a cost savings to the Owner. Utility conflicts were recognized early in the project, and addressed with the utility Owner as not to delay the project.

i. Quality Initiatives. Discuss Dane’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.

Dane Construction Inc. retained KCI as the lead designer on this project to design each of the eleven bridges as well as coordinating the ROW, hydro, utility coordination and geo-tech. This was the first DB project we completed with KCI and have since retained KCI on our current DB in Division 11 for NCDOT, which includes three bridge replacements. Each month on this project and now weekly on our current DB project, a review of the previous weeks costs are reviewed by the PM and President as well as a schedule review. Monthly safety audits are also conducted and reviewed at the PM’s monthly meeting with the President. Adherence to the plans and specifications is outlined in the DCI Construction Manual that each PM, APM and Supervisor review and modify as new methods are implemented and refined. This manual provides the exact method/ procedures for construction for each phase of the project from pile driving to setting cored slabs or box beams.

j. For each question in Section 3.5.2 of the RFQ for which a “Yes” answer was provided, Dane shall provide a detailed explanation below.

No to each of the six questions

WORK HISTORY AND QUALITY FORM – CONTRACTOR/DESIGNER

Lead Contractor – Dane Construction 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 Dane’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 Dane (in thousands)
Name: NCDOT Division 10 D-B Bridge Package C202980 Location: Anson, Cabarrus, Union and Mecklenburg Counties, NC	Name: Wetherill Engineering – Lead Project Designer	Name of Owner: NCDOT – Division 10 Project Manager: Nat Hunter Phone: 980.262.6202 Email: chunter@ncdot.gov	06/2012 12/2016	\$10,182	\$6,142

g. Narrative describing the work performed by Dane Construction Inc.- Dane is the proposed Lead Contractor

Ten bridges and one culvert total were associated with this project and spread over four counties. The bridge configurations consisted of five single span cored slab bridges on pile end bents, one each two span cored slab bridge on drilled shaft interior bent, one each two-span cored slab that was value engineered to a spread footing interior bent versus a drilled shaft bent, one each three-span cored slab bridge on drilled shaft interior bents, a three span, 45” PSG bridge on drilled shaft interior bents and one cast-in-place box culvert. Cole White assisted the PM in the field and was responsible for overseeing select bridges within the package.



- Key Relevancies:
- ✓ D-B Delivery
 - ✓ Bridge Replacement
 - ✓ Demolition
 - ✓ Detours
 - ✓ Traffic/MOT
 - ✓ Utility Coordination
 - ✓ ROW Acquisition
 - ✓ Erosion & Sedimentation Control
 - ✓ Multiple Bridges On 1 Contract

	Bridges	Length	Location (Co.)
1	Two span cored slab	110’	Anson
2	Single span cored slab	70’	Cabarrus
3	Single span cored slab	70’	Cabarrus
4	Three span 45” PSG	160’	Cabarrus
5	Single span cored slab	50’	Cabarrus
6	Single span cored slab	50’	Mecklenburg
7	Single span cored slab	70’	Union
8	Three span cored slab	125’	Union
9	Two span cored slab	80’	Union
10	Single span cored slab	50’	Union
11	Culvert	N/A	Union

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

A three span PSG bridge on drill shaft bents was required to be built between two NASCAR races held at Charlotte Motor Speedway. This project was meticulously planned down to the delivery date of the beams and the day the deck was poured. This bridge and the remaining eight were completed on time and in budget. An incentive requested by NCDOT to accelerate the completion due to the close proximity of a school was completed on time and the full incentive was paid.

i. Quality Initiatives. Discuss Dane’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.

Each month on this project and now weekly on our current DB project, a review of the previous weeks costs are reviewed by the PM and President as well as a schedule review. Monthly safety audits are also conducted and reviewed at the PM’s monthly meeting with the President. Adherence to the plans and specifications is outlined in the DCI Construction Manual that each PM, APM and Supervisor review and modify as new methods are implemented and refined. This manual provides the exact method / procedures for construction for each phase of the project from pile driving to setting cored slabs or box beams.

j. For each question in Section 3.5.2 of the RFQ for which a “Yes” answer was provided, Dane shall provide a detailed explanation below.

No to each of the questions

WORK HISTORY AND QUALITY FORM – CONTRACTOR/DESIGNER

Lead Designer – Neel-Schaffer, Inc. (NS)

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 NS’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 NS (in thousands)
GDOT US 41/SR 247/Pio Nono Ave/College St over NSRR D-B Bridge Pkg. Macon, GA	Wright Brothers Construction, Inc. (WBCI)	GDOT Rick O’Hara 404.631.1169 ro'hara@dot.ga.gov	Construction Complete: 03/2021 Design Complete: 06/2020	\$13,351	\$999

g. Narrative describing the work performed by NS. Neel-Schaffer, Inc. (NS) is a wholly owned subsidiary of Neel Schaffer, Engineers and Planners, Inc – NS is proposed as the Lead Designer.

NS was the Lead Designer for WBCI for this award-winning D-B project. The bridge replacements were necessary to provide adequate vertical clearance to Norfolk Southern’s tracks below to accommodate double stack rail cars.

The project was put on an aggressive D-B schedule with all vertical clearance restrictions. NS was responsible for providing overall project management, monthly CPM project schedule updates, roadway design, bridge design and all plan preparation, including as-built drawings. NS also managed all design subconsultants, including environmental, survey, SUE, communications, and geotechnical engineers. The 86’ -10” long Pio Nono Avenue bridge included the demolition and replacement of the existing bridge superstructure. The vertical clearance was increased by building up the existing bent caps and utilizing a cored slab superstructure that was shallower than the existing, and parts of the road had to be raised to accommodate the new bridge elevation and realigned to improve poor horizontal alignment. The existing AGL gas main on the bridge was cut, capped and temporarily removed through coordination efforts. The 65’ long College Street bridge included the demolition and replacement of the existing historic brick arch structure over the N/S Railway with a new, shorter 65’ single span bridge with Type II PSC Beams. In addition to the Railroad’s vertical clearance requirements, the horizontal clearance required the construction of crash walls at each end of the bridge. NS utilized tie-back walls, with soldier piles supporting the bridge end bents and soil nail walls. Significant utility coordination occurred for relocation of an AT&T fiber optic line and relocation of power poles owned by Ga Power. NS personnel involved includes Justin Wood, PE, SE, DBIA - Structural EOR who is proposed for this same role on SCDOT’s Bridge Package 15. Work for the project was completed in NS’s office in Atlanta, GA with support and QC by our office in Birmingham, AL. Design & Construction on both bridges is complete.

- Key Relevancies:**
- ✓ D-B Delivery
 - ✓ Bridge Replacement
 - ✓ Cored Slab
 - ✓ Single Span Bridge
 - ✓ Limited Durations for Bridge Construction
 - ✓ Demolition
 - ✓ Detours
 - ✓ Roadway Design
 - ✓ Structure Design
 - ✓ Geotechnical
 - ✓ Drainage / E&SC
 - ✓ Traffic/MOT
 - ✓ Utility Coordination
 - ✓ Environmental/Permitting
 - ✓ Public Involvement
 - ✓ Multiple Bridges On 1 Contract



US 41/Pio Nono Avenue over NSRR



College Street over NSRR

- D-B Project Awards**
- Pio Nono**
 -Georgia Partnership for Transportation Quality 2020 Preconstruction Award in the Design/Build Category - ACEC/GA and GDOT
 -2021 America’s Transportation Awards regional “Quality of Life/Community Development, Small Project Award- SASHTO
- College Street**
 - Georgia Partnership for Transportation Quality 2021 Preconstruction Award in the Bridge/Structural Design Category - award is sponsored by ACEC/GA and GDOT
 -Georgia Engineering Awards 2022 Engineering Excellence Merit Award - award is sponsored by ACEC/GA
 -2021 America’s Transportation Awards regional “Quality of Life/Community Development, Small Project Award - SASHTO

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

Both bridges were selected for awards in the Georgia Partnership for Transportation Quality (GPTQ) Preconstruction Design Awards program – Pio Nono in the Bridge/Structural category and College St. in the Design-Build category.

i. Quality Initiatives. Discuss NS’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.

NS prepared and provided updates to the P6 Schedule for Design & Construction giving NS thorough knowledge of the schedule and keeping engineering efforts on track to support the Contractor enabling him keep construction on schedule. Completion of the bridge superstructure replacement within a 25 day closure is a testament to the detailed planning, scheduling and design quality for the project.

j. For each question in Section 3.5.2 of the RFQ for which a “Yes” answer was provided, NS shall provide a detailed explanation below.

N/A

WORK HISTORY AND QUALITY FORM – CONTRACTOR/DESIGNER

Lead Designer – Neel-Schaffer, Inc. (NS)

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 NS’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 NS (in thousands)
GDOT FY 2016 Design-Build Bridge Package – Batches 4 & 5 Atkinson, Ben Hill, Grady, Tift, Ware, Bacon, Laurens, Treutlen, Wayne, Wheeler, and Telfair Counties, GA	Southern Concrete Construction Co., Inc. (SCCC)	GDOT W. Ron Nelson 912.424.9112 ronelson@dot.ga.gov	Construction Completed: 12/2019 Design Completed: 03/2019	\$17,252	\$1,890

g. Narrative describing the work performed by NS. Neel-Schaffer, Inc. (NS) is a wholly owned subsidiary of Neel Schaffer, Engineers and Planners, Inc – NS is proposed as the Lead Designer.

NS was the Lead Designer for this contract to replace 11 bridges via the Design-Build method at various locations throughout South Georgia. NS provided engineering design and construction plans, as well as construction coordination services for each of the 11 new bridges. Each of the replacements was for off-system stream crossings. Other services NS provided included bridge design, H&H, roadway approach design, as-built plans. NS was also responsible for management of all engineering sub-consultants, including environmental, survey, and SUE. The bridges ranged in length of 120 feet to 375 feet. The designs included Type 1 Mod PSC Beam Spans, 63” Bulb Tee PSC Beam, PSC Cored Slab Spans and PSC Spans. The bents for these bridges were PSC Pile Bents, with the exception of the 63 in Bulb Tee PSC Span, which utilized 2-Column Concrete Bents on pile footings. NS personnel involved includes Justin Wood, PE, SE, DBIA - Structural EOR who is proposed for this same role on SCDOT’s Bridge Package 15. Work for the project was completed in NS’s offices in Atlanta, GA & Birmingham, AL. Design & Construction on all bridges is complete.

	Bridges	Length	Location (Co.)
1	Cogdell Rd over Red Bluff Creek	150’	Atkinson
2	Old Thomasville Rd over Barnettts Creek	375’	Grady
3	Lower Brookfield Rd over New River	141.75’	Tift
4	Perry House Rd over Willacooche Creek	151.75’	Ben Hill
5	Old Nicholls Hwy over Hog Creek Tributary	120’	Ware
6	Hwy 64 over Little Hurricane Creek	340’	Bacon
7	Jaybird Springs Rd over Gum Swamp Creek	120’	Laurens
8	Union Camp Rd over Red Bluff Creek	135’	Treutlen
9	Woods Bridge Rd over Goose Creek	146.75’	Wayne
10	Snow Hill Rd over Ochwalkee Creek	180’	Wheeler
11	CR 240 over Little Horse Creek	121.75’	Telfair



Old Thomasville Road over Barnettts Creek – Grady County

Key Relevancies:

- ✓ D-B Delivery
- ✓ Bridge Replacement
- ✓ Flat Slab
- ✓ Cored Slab
- ✓ All Bridges Over Water
- ✓ Clear Spanning Channels
- ✓ Limited Durations for Bridge Construction
- ✓ Demolition

Key Relevancies:

- ✓ Detours
- ✓ Roadway Design
- ✓ Structure Design
- ✓ Geotechnical
- ✓ Drainage / E&SC
- ✓ Traffic/MOT
- ✓ Utility Coordination
- ✓ Environmental/Permitting
- ✓ Multiple Bridges Per Contract

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

This was the first Design-Build project for both NS and SCCC and we worked closely together to complete all 11 bridges within the contract time demonstrating the high competency, attention to Quality and communication skills by both NS and SCCC needed to successfully deliver D-B projects. There were no claims on the project.

i. Quality Initiatives. Discuss NS’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.

Due to the requirement of each roadway only being shut down for a certain number of days, the project scheduling and quality construction was critical to ensure that all 11 bridges met the individual design, review, and construction dates to allow subsequent bridges to not fall behind and for all 11 bridges to be completed on time. Precast caps were used on 3 of the bridges to accelerate construction. NS has used its DQMP first developed on this project to provide continued quality design on other D-B projects.

j. For each question in Section 3.5.2 of the RFQ for which a “Yes” answer was provided, NS shall provide a detailed explanation below.

N/A

Appendix C

Work History and Quality Forms (Section 3.5.2)



Section 3.5.2 \ Quality of Past Performance

QUESTION		DANE	NEEL-SCHAFFER
3.5.2.a	Has the Lead Contractor or any member of the joint venture been declared delinquent or placed in default on any Project?	No	N/A
3.5.2.b	Has the Lead Contractor or any member of the joint venture submitted a claim on a project that was litigated? If litigated, explain the results.	No	N/A
3.5.2.c	Have any projects been delayed more than 30 days such that liquidated damages were assessed?	No	No
3.5.2.d	Has the Lead Contractor been cited by OSHA for violations deemed serious, willful, or repeated?	No	N/A
3.5.2.e	Have any projects under contract with the Lead Contractor or any member of the joint venture been subject to remediation actions, stop work orders, or project delays in excess of 30 days as a result of Section 404/Section 401 permit violations?	No	N/A
3.5.2.f	Has an owner, a Lead Contractor, or any member of a joint venture pursued compensation from the Lead Designer due to errors and omissions?	No	No
3.5.2.g	Has the Lead Designer filed legal proceedings against the Lead Contractor, or vice versa, on a design-build contract?	No	No

Appendix D

Legal and Financial (Section 3.6)



Section 3.6.1 \ Financial Capacity

Dane Construction, Inc.
PO Box 800
 Mooresville, NC 28115
 Telephone 704-664-5042
 Fax 704-663-2475



October 3, 2022

Office of Alternative Delivery
SC Department of Transportation
955 Park Street
Columbia, SC 29201

RE: Bridge Package 15 Design-Build Project
Contract ID: 8862230

To Whom It May Concern,

Pursuant to Section 3.6.1 Financial Capacity of Request for Qualifications (RFQ) for the Design Build Project Contract ID 8862230 by SCDOT issued September 28, 2022:

I, Michael E. Dane, in my capacity as CEO and Owner of Dane Construction, Inc. certify that Dane Construction, Inc. has the financial capacity and resources necessary to complete the project as proposed in the RFQ.

Respectfully,

Michael E. Dane
CEO
Dane Construction, Inc.

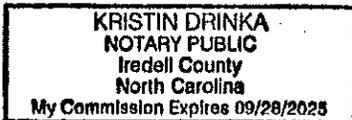
State of NC County of Iredell

The foregoing instrument was acknowledged before me
This 3 day of October, 2022.

By: BOD: - Kristin Drinka

Notary Public

My Commission Expires: 09/26/2025



Section 3.6.2 \ Bonding Capacity



**Marsh McLennan
Agency**

Marsh McLennan Agency
Mid-Atlantic Region
5605 Carnegie Blvd. | Suite 300
Charlotte | NC 28209
T +1 704 365 6213
www.MarshMMA.com

October 3, 2022

South Carolina Department of Transportation
PO Box 191
Columbia, SC 29202

Re: Dane Construction, Inc., Mooresville, NC
Project: Bridge Package 15, Design-Build Project, Contract ID 8862230
Anderson, Chester, Chesterfield and Lancaster Counties

To Whom It May Concern:

We are pleased to confirm our surety bond relationship with Dane Construction, Inc. Dane Construction, Inc. has been a client of ours for many years, in which we have approved bonds in excess of \$20,000,000. Currently, we handle their surety needs through Travelers Casualty and Surety Company of America, which is one of the leading surety companies in the country. They are authorized to transact business in the State of South Carolina and have an A. M. Best rating of A++ (Superior) and are on the current Department of the Treasury's Listing of Approved Sureties {Dept. Circular 570}.

This letter is to advise you Travelers Casualty and Surety Company of America is prepared to provide the necessary Performance and Payment Bond in connection with the above captioned project as required. As always, Travelers Casualty and Surety Company of America reserves the right to perform normal underwriting at the time of any bond request, including, without limitation, prior review and approval of relevant contract documents, bond forms, and project financing. We have complete confidence in Dane Construction, Inc.'s ability and its management, as they are financially responsible and handle all of their business dealings in a very professional manner.

We consider Dane Construction, Inc., Inc., a valued client and we continue to value our relationship with them. Please feel free to contact us with any additional questions you may have regarding either their surety program or our relationship with our client.

Should you desire any additional information concerning this fine company, please do not hesitate to call.

Sincerely,

TRAVELERS CASUALTY AND SURETY COMPANY OF AMERICA



Angela Y. Buckner
Attorney-in-Fact



**Travelers Casualty and Surety Company of America
Travelers Casualty and Surety Company
St. Paul Fire and Marine Insurance Company**

POWER OF ATTORNEY

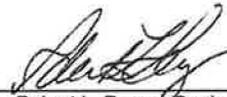
KNOW ALL MEN BY THESE PRESENTS: That Travelers Casualty and Surety Company of America, Travelers Casualty and Surety Company, and St. Paul Fire and Marine Insurance Company are corporations duly organized under the laws of the State of Connecticut (herein collectively called the "Companies"), and that the Companies do hereby make, constitute and appoint **ANGELA Y BUCKNER** of **CHARLOTTE**, **North Carolina**, their true and lawful Attorney(s)-in-Fact to sign, execute, seal and acknowledge any and all bonds, recognizances, conditional undertakings and other writings obligatory in the nature thereof on behalf of the Companies in their business of guaranteeing the fidelity of persons, guaranteeing the performance of contracts and executing or guaranteeing bonds and undertakings required or permitted in any actions or proceedings allowed by law.

IN WITNESS WHEREOF, the Companies have caused this instrument to be signed, and their corporate seals to be hereto affixed, this **21st** day of **April**, **2021**.



State of Connecticut

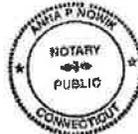
City of Hartford ss.

By: 
Robert L. Raney, Senior Vice President

On this the **21st** day of **April**, **2021**, before me personally appeared **Robert L. Raney**, who acknowledged himself to be the Senior Vice President of each of the Companies, and that he, as such, being authorized so to do, executed the foregoing instrument for the purposes therein contained by signing on behalf of said Companies by himself as a duly authorized officer.

IN WITNESS WHEREOF, I hereunto set my hand and official seal.

My Commission expires the **30th** day of **June**, **2026**




Anna P. Nowik, Notary Public

This Power of Attorney is granted under and by the authority of the following resolutions adopted by the Boards of Directors of each of the Companies, which resolutions are now in full force and effect, reading as follows:

RESOLVED, that the Chairman, the President, any Vice Chairman, any Executive Vice President, any Senior Vice President, any Vice President, any Second Vice President, the Treasurer, any Assistant Treasurer, the Corporate Secretary or any Assistant Secretary may appoint Attorneys-in-Fact and Agents to act for and on behalf of the Company and may give such appointee such authority as his or her certificate of authority may prescribe to sign with the Company's name and seal with the Company's seal bonds, recognizances, contracts of indemnity, and other writings obligatory in the nature of a bond, recognizance, or conditional undertaking, and any of said officers or the Board of Directors at any time may remove any such appointee and revoke the power given him or her; and it is

FURTHER RESOLVED, that the Chairman, the President, any Vice Chairman, any Executive Vice President, any Senior Vice President or any Vice President may delegate all or any part of the foregoing authority to one or more officers or employees of this Company, provided that each such delegation is in writing and a copy thereof is filed in the office of the Secretary; and it is

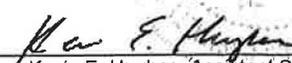
FURTHER RESOLVED, that any bond, recognizance, contract of indemnity, or writing obligatory in the nature of a bond, recognizance, or conditional undertaking shall be valid and binding upon the Company when (a) signed by the President, any Vice Chairman, any Executive Vice President, any Senior Vice President or any Vice President, any Second Vice President, the Treasurer, any Assistant Treasurer, the Corporate Secretary or any Assistant Secretary and duly attested and sealed with the Company's seal by a Secretary or Assistant Secretary; or (b) duly executed (under seal, if required) by one or more Attorneys-in-Fact and Agents pursuant to the power prescribed in his or her certificate or their certificates of authority or by one or more Company officers pursuant to a written delegation of authority; and it is

FURTHER RESOLVED, that the signature of each of the following officers: President, any Executive Vice President, any Senior Vice President, any Vice President, any Assistant Vice President, any Secretary, any Assistant Secretary, and the seal of the Company may be affixed by facsimile to any Power of Attorney or to any certificate relating thereto appointing Resident Vice Presidents, Resident Assistant Secretaries or Attorneys-in-Fact for purposes only of executing and attesting bonds and undertakings and other writings obligatory in the nature thereof, and any such Power of Attorney or certificate bearing such facsimile signature or facsimile seal shall be valid and binding upon the Company and any such power so executed and certified by such facsimile signature and facsimile seal shall be valid and binding on the Company in the future with respect to any bond or understanding to which it is attached.

I, **Kevin E. Hughes**, the undersigned, Assistant Secretary of each of the Companies, do hereby certify that the above and foregoing is a true and correct copy of the Power of Attorney executed by said Companies, which remains in full force and effect.

Dated this **3rd** day of **October**, **2022**




Kevin E. Hughes, Assistant Secretary

**To verify the authenticity of this Power of Attorney, please call us at 1-800-421-3880.
Please refer to the above-named Attorney(s)-in-Fact and the details of the bond to which this Power of Attorney is attached.**

Section 3.6.3 \ Organizational Agreements

N/A - Our Team is not a partnership, limited partnership, joint venture, or other association.

Appendix E

Organizational Conflict of Interest (Section 3.7)



DISCLOSURE OF POTENTIAL CONFLICT OF INTEREST CERTIFICATION

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

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

10/11/22
Date

PETER B. WEBER

Print Name

DANE CONSTRUCTION, 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



Appendix F \ Confidential or Proprietary Information Summary List

The Team of Dane Construction, Inc. (Lead Contractor) and Neel-Schaffer, Inc. (Lead Designer) do not deem any of the information within this submittal as confidential or proprietary.

Appendix G

Addendum Receipt Form(s)



Appendix G \ Addendum Receipt Form(s)

Our team received the responses to the Non-Confidential Questions posted on October 13, 2022. No addendums were posted for this solicitation.

Appendix H

Key Individual and Contractor/Designer Reference Form



Email	First Name	Last Name	Company Name	Project Name	Team
References from 3.3.1					
cdjustice@ncdot.gov	Colby	Justice	NCDOT	NCDOT Division 13B Design-Build Bridge Package C203573	Dane/KCI
ehunter@ncdot.gov	Nat	Hunter	NCDOT	NCDOT Division 10 Design-Build Bridge Package C202980	Dane/Wetherill
tate@dot.ga.gov	Anthony	Tate	GDOT	GDOT FY 2022 Design-Build Bridge Package	Southern Concrete Construction Company/Neel-Schaffer
ro'hara@dot.ga.gov	Rick	O'Hara	GDOT	GDOT US 41/SR 247/Pio Nono Ave/College St over NSRR D-B Bridge Pkg.	Wright Brothers Construction Company/Neel-Schaffer
ro'hara@dot.ga.gov	Rick	O'Hara	GDOT	GDOT FY 2018 Design-Build Bridge Package	Wright Brothers Construction Company/Neel-Schaffer
ronelson@dot.ga.gov	Ron	Nelson	GDOT	GDOT FY 2016 Design-Build Bridge Package – Batches 4 & 5	Southern Concrete Construction Company/Neel-Schaffer
References from 3.5.1					
cdjustice@ncdot.gov	Colby	Justice	Dane Construction, Inc.	NCDOT Division 13B Design-Build Bridge Package C203573	Dane/KCI
ehunter@ncdot.gov	Nat	Hunter	Dane Construction, Inc.	NCDOT Division 10 Design-Build Bridge Package C202980	Dane/Wetherill
ro'hara@dot.ga.gov	Rick	O'Hara	Neel-Schaffer	GDOT US 41/SR 247/Pio Nono Ave/College St over NSRR D-B Bridge Pkg.	Wright Brothers Construction Company/Neel-Schaffer
ronelson@dot.ga.gov	Ron	Nelson	Neel-Schaffer	GDOT FY 2016 Design-Build Bridge Package – Batches 4 & 5	Southern Concrete Construction Company/Neel-Schaffer



Email	First Name	Last Name	Key Individual Name	Project Name	Role of Key Individual	Team
References from 3.4.3						
rsmlies@ncdot.gov	Rendell	Miles	Cole Page White	NCDOT Division 11 Design-Build Bridge Package C204611 in Alleghany & Wilkes Counties, NC	Project Manager	Dane Construction, Inc.
cdjustice@ncdot.gov	Colby	Justice	Cole Page White	NCDOT Division 13 B Design-Build Bridge Package C203573 in Buncombe, Madison, Mitchell Counties, NC	APM/Project Manager	Dane Construction, Inc.
kemccourt@ncdot.gov	Kenny	McCourt	Cole Page White	NCDOT Bridge #88 - Snow Hill Road over Cowee Creek (DN00481) in Macon County, NC	Project Manager	Dane Construction, Inc.
usrybm@scdot.org	Bobby	Usry	Cole Page White	SCDOT US 278 Bridge over Three Runs Creek (ID 0039096) in Aiken County, SC	Project Manager	Dane Construction, Inc.
mabiggerstaff@ncdot.gov	Mark	Biggerstaff	Cole Page White	NCDOT I-40 Bridges #149 & #150 over SR-1744 (C204072) in Burke County, NC	Project Manager	Dane Construction, Inc.
taylorjl@scdot.org	Jeffery	Taylor	Cole Page White	SCDOT US Hwy 1 Bridge over S Edisto River (ID 0029920) in Aiken, SC	Project Manager	Dane Construction, Inc.
cdjustice@ncdot.gov	Colby	Justice	Colin Brady Darling	NCDOT Division 13B D-B Bridge Package C203573 in Buncombe, Madison, Mitchell Counties, NC	Assistant Project Manager	Dane Construction, Inc.
usrybm@scdot.org	Bobby	Usry	Colin Brady Darling	SCDOT US 278 Bridge over Three Runs Creek (ID 0039096) in Aiken County, SC	Assistant Project Manager (2018 - 2019) General Superintendent (2017 - 2018)	Dane Construction, Inc.
jordonjc@scdot.org	Jeff	Jordan	Colin Brady Darling	SCDOT Batesville Road Bridge over Rock Creek (ID 00378686) in Greenville County, SC	Assistant Project Manager	Dane Construction, Inc.
smiller@hickorync.gov	Steve	Miller	Colin Brady Darling	City of Hickory 46th Ave. Drive NE Bridge over Snow Creek in Catawba County, NC	Superintendent	Dane Construction, Inc.
cdjustice@ncdot.gov	Colby	Justice	Matt Philip Steerman	NCDOT Div. 13B D-B Bridge Pkg C203573 in Buncombe, Madison, Mitchell Counties, NC	Construction Manager	Dane Construction, Inc.
taylorjl@scdot.org	Jeffery	Taylor	Matt Philip Steerman	SCDOT US 278 Bridge over Three Runs Creek (ID 00396096) in Aiken County, SC	Construction Manager	Dane Construction, Inc.
kemccourt@ncdot.gov	Kenny	McCourt	Matt Philip Steerman	NCDOT Riverbend Road Bridge over Rocky Branch (DN00279) in Macon County, NC	Construction Manager	Dane Construction, Inc.
kemccourt@ncdot.gov	Kenny	McCourt	Matt Philip Steerman	NCDOT Snow Hill Road Bridge over Cowee Creek (DN00481) in Macon County, NC	Construction Manager	Dane Construction, Inc.
jordonjc@scdot.org	Jeff	Jordan	Matt Philip Steerman	SCDOT Batesville Road Bridge over Rock Creek (ID 00378686) in Greenville County, SC	Construction Manager	Dane Construction, Inc.
DJarman@vb.gov	David	Jarman	Jeffrey Marshall Walters	Lesner Bridge Replacement Project (US 20 over Lynnhaven Inlet), Virginia Beach, VA	Project Manager for Bridge Design	FIGG
scase@eec-usa.com	Scott	Case	Jeffrey Marshall Walters	SR 951 Jolley Bridge Design-Build Project, Marco Island, FL	Senior Project Director	FIGG
ryan.anderson@kiewit.com	Ryan	Anderson	Jeffrey Marshall Walters	Honolulu Rail Transit Design-Build Project, Honolulu, HI	On-Site Design Coordinator	FIGG
joseph.briones@txdot.gov	Joseph	Briones	Jeffrey Marshall Walters	US 181 Harbor Bridge Replacement Design-Build Project, Corpus Christi, TX	Asst. Design Manager	FIGG



Appendix I

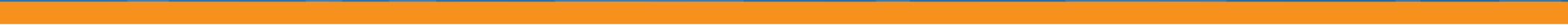
Unique Entity ID Documentation Indicating Application



Appendix I \ Unique Entity ID Documentation Indicating Application

No Unique Entity ID documentation applications were required to be submitted. The Unique Entity Numbers for our Lead Contractor and Lead Designer are included in Section 3.2.4 of the submittal and below.

LEAD CONTRACTOR	UNIQUE ENTITY ID	LEAD DESIGNER	UNIQUE ENTITY ID
Dane Construction	F37NLYDMWYP8	Neel-Schaffer, Inc.	VSG2MJB3C766



Dane Construction, Inc.
280 Mooresville Boulevard
Mooresville, NC 28115

