



US 123 SB over Georges Creek



SC 124 over Georges Creek



SC 183 over Gregory Creek



SC 183 over Gregory Creek



US 123 SB over Georges Creek



SC 183 over Twelve Mile Creek

STATEMENT OF QUALIFICATIONS

Bridge Package 16 - *Design-Build Project* in Pickens County



SC 183 over Twelve Mile Creek



SC 124 over Georges Creek

Contract ID 3962240

January 25, 2023

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



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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 16 Design-Build Project in Pickens County. 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 Engineering, Utility Coordination, Surveying/SUE, and ROW acquisition.

Dane and NS have visited the bridge sites together to ensure our team has all the resources and specialists needed for the project. We reviewed key site features, issues and constraints. Our team also identified a number of potential alternative technical concepts (ATCs) for further evaluation.

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 - DANE CONSTRUCTION, INC.



Cole Page White, Project Manager (PM)
Dane Construction, Inc.
280 Mooresville Boulevard
Mooresville, NC 28115
704.696.1610 (O), 704.431.3716 (M)
Cole@DaneConstruction.com

LEAD DESIGNER - NEEL-SCHAFER, INC.



Jeffrey Marshall Walters, PE, Assoc. DBIA, Lead Design Engineer (LDE)
Neel-Schaffer, Inc.
1320 Main Street, Suite 510
Columbia, SC 29201
803.929.3656 (O), 850.766.5986 (M)
jeff.walters@neel-schaffer.com

3.2.4 Unique Entity ID of Lead Contractor and Lead Designer \

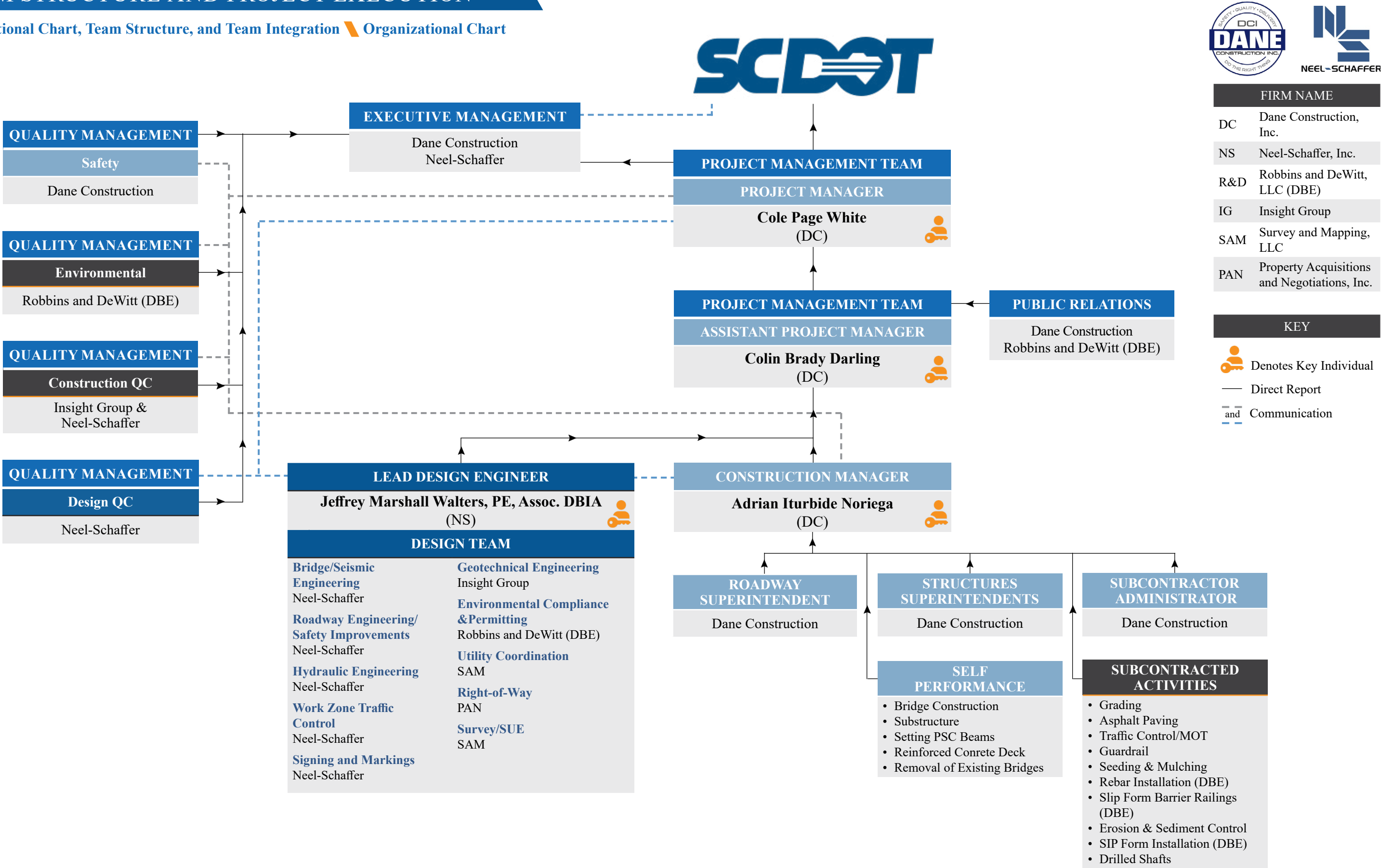
LEAD CONTRACTOR	UNIQUE ENTITY ID	LEAD DESIGNER	UNIQUE ENTITY ID
Dane Construction, Inc.	F37NLYDMWYP8	Neel-Schaffer, Inc.	VSG2MJB3C766

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



Team Integration

- Project delivery meetings will be held Pre-construction and continue into Construction and will include Major Subcontractors, Stakeholders, and SCDOT as appropriate. Weekly/monthly project meetings will also be held to promote collaboration, planning, constructibility, scheduling, and effective constructibility and design reviews.
- Pre-design meetings with SCDOT upon award and as needed thereafter.
- Technology Integration – BlueBeam Plan reviews, ProjectWise file management system, and video conferencing.
- Pre-submittal constructibility reviews by our Construction Team.
- Dedicated design/construction document control specialists to coordinate with SCDOT on design/construction submittals.
- Neel-Schaffer will have dedicated design QC team to perform independent quality control using PCDM-22 QC Checklists.

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 D-B 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 six years, and recently won GDOT awards for their D-B work in Georgia as Lead-Designer. 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. NS has worked with the leadership at R&D 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) to provide efficient geotechnical solutions. Insight Group has a proven tack record with SCDOT and has been selected on three on-call SCDOT contracts including on-call geotechnical services. SAM - SAM has an excellent reputation for Utility Coordination and is currently serving on SCDOT's On-Call Utility Coordination contract. Mark Attaway has excellent understanding of the project from his previous experience as SCDOT's State Utilities Engineer. SAM has the resources and availability to provide on-site Surveys and SUE. NS has worked with SAM on DB 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 was the PM on this D-B Br. Pkg., and was assisted by Colin Darling. Dane's first time teaming with KCI on a D-B Project.		
	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. All 3 proposed Key Roles (PM, APM, and CM) worked together on this D-B project contract and various bid-build projects.		
Neel-Schaffer	NCDOT Monroe Bypass, Structures B1800, B1900, B2400, B2500, C202587 (5 bridges)	2016-2017	Contact: Rob Cousins; rob.cousins@summitde.com; 540.320.6428
	Dane was a Subcontractor for D-B Contractor. All five bridges on this contract are prestressed girders, twin bridges B2500 included drilled shafts. Total reinforced deck of the five bridges was 87,364 SF. All 3 proposed Key Roles (PM, APM, and CM) worked together on this D-B project contract and various bid-build projects.		
	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 Prime (Southern Concrete Const. Co.). Justin W. (proposed Struct. EOR) is the Struct. EOR for all bridges. Jeff W. (proposed LDE) is the DQCM.		
	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 successful first time teaming on FY 2018 D-B Bridge Pkg (see below).		
	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 this first time teaming with Southern and in bringing GDOT a new D-B bridge contractor, and the project was successful.		

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. Dane and NS's **successful first-time teaming experience** with multiple partners will be a resource for successful delivery of SCDOT's Bridge Package 16.

3.3.2.a. Project Resources, Strategies, and Execution Implementation of Resources

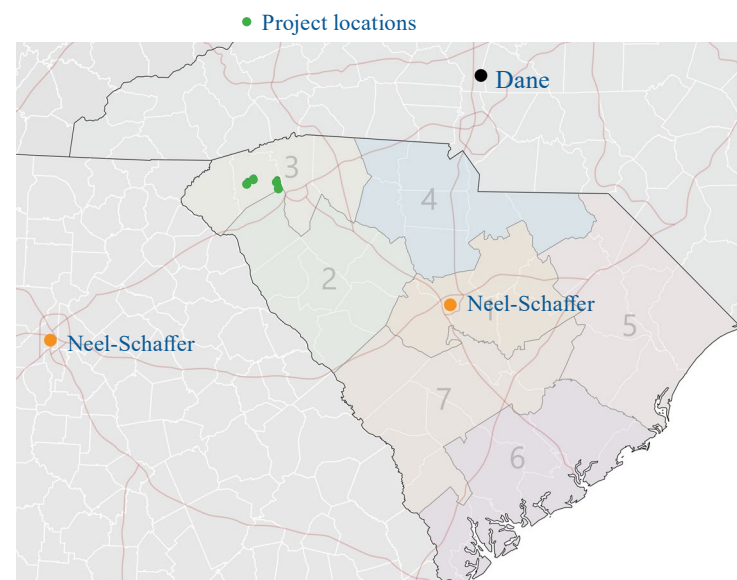
TEAM CAPACITY, AVAILABLE RESOURCES AND IMPLEMENTATION STRATEGY			
	Dane	Neel-Schaffer	Key Subconsultants
Capacity	<ul style="list-style-type: none"> We recognize that SCDOT needs more D-B Bridge Teams, based on the number of bridge replacements identified for delivery via design-build. We are responding 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 involved in any active SCDOT D-B contract. 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. 		
	<ul style="list-style-type: none"> 75 operations employees, eight crews working within 115 miles of Pickens County, and 13 crews in total in SC/NC. 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. Ability to haul all equipment internally, providing maximum flexibility. Agreements in place with major heavy equipment rental companies with unlimited equipment to supplement our owned equipment. 	<ul style="list-style-type: none"> 500+ staff firm-wide, 150+ staff in NS's East Region, including seven DBIA and two Assoc. DBIA certified PEs 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 with GDOT. Multiple award winning D-B bridge replc. 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, SIP decking, potentially slip forming the barrier rail, and environmental/permitting (Robbins & DeWitt (DBE))
Strategies to Implement Available Resources	<ul style="list-style-type: none"> The Dane Team will conduct a DB Team design/construction workshop to explore the most efficient way to complete construction of the 4 bridges, considering 1) the timeline to RFC plans based on permitting/ROW/utilities and 2) the construction duration/complexity for each bridge. At this time, the Dane Team anticipates building the four bridges in two phases, using two crews and a mobile office. <ul style="list-style-type: none"> * Phase 1 – Bridges US 123 and SC 124 over Georges Creek, based on geographic location within Pickens County, more urban sites with greater MOT complexity. Dane will use two crews and locate an on-site mobile project office at the Georges Creek bridges. * Phase 2 – Dane's crews and mobile office will be relocated to the Phase 2 bridges (SC 183 bridges over Twelve Mile Creek and Gregory Creek). Additional crews/resources will be added as required for schedule and/or ATC requirements. 		
	<ul style="list-style-type: none"> All of Dane's key personnel (Cole, Colin & Adrian) have successfully worked together in same positions on NCDOT's Monroe Bypass project (5 bridges) and SCDOT's Edisto River Bridge in Aiken, SC. Cole, Colin & Adrian also worked together on NCDOT's Division 10 D-B project (11 bridges). Dane to self-perform the bridge elements from removal of existing and all substructure & superstructure elements for the proposed bridges. 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 safely completing projects within budget and on-time. 	<ul style="list-style-type: none"> Lead Designer, Structural Engr., and Roadway Engr. are experienced DBIA professionals with intimate understanding of SCDOT design submittal/review process, policies, and procedures. 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. 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 is self-performing all critical design functions, with geotechnical design led by Insight Group. 	<ul style="list-style-type: none"> Experienced Geotechnical design firm via Insight Group. Experienced right of way and utility coordination partners via PAN and SAM Experienced Environmental/Permitting/Mitigation subconsultant via Robbins & DeWitt (DBE).
Self-Per-form	<ul style="list-style-type: none"> Removal of Existing Bridges • Setting PSC Girders • Decks • Substructure 	<ul style="list-style-type: none"> Design: Bridge, 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 10% DBE requirement.	
Professional Services DBE's (0.2% 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 required (based on our anticipated ATCs). R&D's role on the design team will far exceed the required 0.2% Professional Services DBE Goal.
Construction Phase DBE's (9.8% 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 DBB and D-B 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, quotes submittal dates, 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, PSC 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 16, the Dane/NS Team will immediately host a Construction Phase DBE Forum specific to D-B Bridge Pkg. 16, 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 attendance via sign-in and follow-up with all DBEs in attendance.

3.3.2.b. Project Resources, Strategies, and Execution \ Geographic Location

- This D-B Bridge Package is optimally located for our team, with Dane Construction (HQ in Mooresville, NC) and Neel-Schaffer (in Columbia, SC and Atlanta, GA), as well as other consultant members of the Dane Team (most of which are located in Columbia, SC)
- Additionally, a mobile on-site project office will be setup at the two Georges Creek bridges, and then moved to the two SC 183 bridges (detailed on [Page 5](#) under Strategies).
- The mobile on-site office will serve as the main operations center for construction personnel, and include space for the Lead Design Engineer and Key design staff.
- These on-site offices will be used for regular in-person design/construction integration meetings, utility coordination meetings, RFI reviews prior to submission, and be the primary location for issue resolution meetings within the Dane team.
- Neel-Schaffer will coordinate the majority of the design from its Columbia SC office (based on proximity to SCDOT HQ) and be supported by design staff in their Atlanta office. This will facilitate close coordination and responses of all design submittals to SCDOT HQ.

- NS will utilize seasoned Project Managers and Discipline Leads with D-B experience, a history of working together and collaboration, an understanding of the need for design and construction collaboration/integration, and knowledge of the urgency needed to stay on schedule and quickly resolve issues when they come up, will be critical for success on the project. Dane's proven construction team of Cole White, Colin Darling and Adrian Noriega has successfully worked together on projects for SCDOT and NCDOT. This past success eliminates a substantial learning curve and will allow them to work with Neel-Schaffer 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 collaboration 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, regular D-B Team meetings will be conducted in-person primarily in the on-site office, 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 on-site meetings during the life of this project.



3.4 | EXPERIENCE OF KEY INDIVIDUALS

3.4.1 Licensed \ All firms and individuals hold the necessary licenses 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 and currently serves as Project Manager.
- 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 Darling (APM) and Adrian Noriega (CM) on NCDOT Monroe Bypass and SCDOT Edisto River Br. in Aiken, SC.
- Cole was the Engineer Tech on our NCDOT Div. 10 D-B Bridge Pkg. and was responsible for overseeing the completion of one bridge. All 3 proposed Key Roles (PM, APM, and CM) worked together on this D-B project contract.
- Has completed multiple single and multi-span bridges with drilled shaft substructures, PSC girders, and reinforced deck 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 White (PM) and Adrian Noriega (CM) on NCDOT Div. 10 D-B Bridge Pkg. and NCDOT Monroe Bypass.
- Has completed multiple single and multi-span bridges with drilled shaft substructures, PSC girders, and reinforced deck as an APM.
- 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, ASSOC. DBIA | *Lead Design Engineer* | Neel-Schaffer

EDUCATION: BS & MS, Civil Engineering

EXPERIENCE: 37

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



- Over 30 years of PM experience on major bridge projects totaling over \$4B in construction costs including bridges with staged const. and complex MOT.
- Managed Design Teams with up to eight subconsultants to provide complete design services for Owners; Subconsultants 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

ADRIAN ITURBIDE NORIEGA | *Construction Manager* | Dane Construction

EDUCATION: High School Diploma

EXPERIENCE: 23

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



- With Dane for 23 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. 10 D-B Bridge Pkg. and NCDOT Monroe Bypass.
- In his role as CM on the NCDOT Monroe Bypass Project, Adrian managed construction of 87,364 SF of bridges.
- Adrian worked with Cole White on the SCDOT US Hwy 1 Bridge over S Edisto in Aiken, SC.
- Has completed multiple single and multi-span bridges with drilled shaft substructures, PSC girders, and reinforced decks as a CM.
- 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:** 18



- 18 years of structural design experience including bridges with staged construction/demolition.
- 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
- Designed numerous PSC beam superstructures including standard AASHTO shapes, BTs, Modified BTs, and FIBs.

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

EDUCATION: MS, Civil Engineering **EXPERIENCE:** 18



- 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:** 17



- 17 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, DBIA | *Lead Roadway Engineer* | Neel-Schaffer

EDUCATION: BS & MS, Civil Engineering **EXPERIENCE:** 11



- 11 years of Roadway Design and MOT experience including off-alignment & staged construction bridge projects.
- 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.

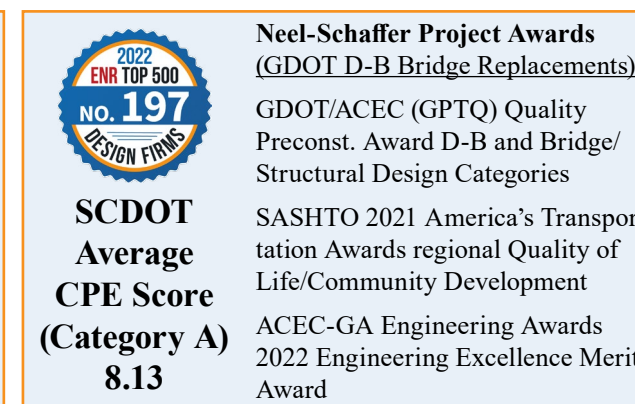
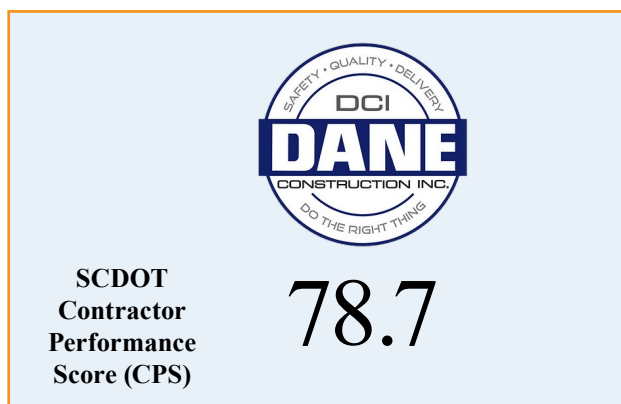
3.5 | PAST PERFORMANCE OF TEAM

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 3 extensive experience designing and constructing similar bridge replacement projects. (Legend: E=Expedited UW= Underway)			Delivery Method	Bridges/Br. Replc.	PSC Beam Brs.	Staged Br. Const.	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			●	●	●	●	●	●		●	●
	NCDOT Monroe Bypass C202587	5 PSC Bridges, 87,364 SF-deck	D-B	5	●		●	●	●		●							
	SCDOT US 278 over Three Runs Creek Aiken	214' Type III PSC	DBB	1	●	●	●	●		●	●			●	●			
	SCDOT SC 176 over Dean Swamp & Overflow	160 ft and 240 ft slab span, staged	DBB	2		●	●	●	●	●	●		●	●	●	●		
	NCDOT Hwy. 24/27 over Rocky River C204714	6-span PSC on drilled shaft bents	DBB	1	●		UW		●	●	●		●	●	●	●		
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 RR	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 w/ staged bents	D-B	14	●	●	UW		●	●	●	●	●	●	●		●	●
	GDOT I-285/SR 400 Interchange Reconstruction	Multiple bridges w/staged constr.	D-B	6	●	●	UW		●	●		●	●	●	●		●	
	SCDOT US 76 Bridge over US 601	Retaining walls in 4 quadrants	DBB	1	●	●	●	●		●	●	●	●	●	●	●	●	●
	SCDOT US 601 Bridge over Colonels Creek	Offset alignment over water	DBB	1	●		●	●		●	●	●	●	●	●	●	●	●
	SCDOT US 301 Bridge over Savannah River	Offset alignment over water	DBB	1	●		Design UW			●	●	●	●	●	●	●	●	●

3.5.2 Quality of Past Performance

We are committed to being responsible partners with SCDOT 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.




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	<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>
<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 ✓ Staged Construction ✓ PSC Girders 	
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, PSG and reinforced 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</p>	

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 after Cole's promotion to successfully complete this project for NCDOT. This will be part of the successful and proven team of Cole, Colin & now Adrian which will be a resource for the success of SCDOT's design-Build Bridge Package 16.

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. Cole worked as PM with Colin Darling (APM) and Adrian Noriega (CM) to successfully complete this project for SCDOT.

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

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.	
<p>a. Name & Title: Colin Brady Darling Assistant Project Manager</p>	
<p>b. Role of Key Individual for this Project: Assistant Project Manager</p>	
<p>c. Name of Firm with which you are now associated: Dane Construction Inc</p>	
<p>d. Years of Experience: With this Firm 8 Years With Other Firms 0 Years</p> <p>Dane Construction Inc.: Assistant Project Manager/ General Superintendent - Responsible for all daily operations on projects in North and South Carolina. 2018-2023.</p> <p>Superintendent – Responsible for construction of various bridge elements on projects in North and South Carolina. 2014 - 2016</p>	<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) ✓ Staged Construction ✓ PSC Girders
<p>e. Education: Brevard College 1-year, Blue Ridge Community College 1 year</p>	
<p>f. Active Registrations: Not applicable</p>	
<p>g. Document the extent and depth of your experience and qualifications relevant to the Project.</p> <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 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, overseeing the bridge construction, and safety. 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.

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

Key Personnel Role: Assistant Project Manager
Firm: Current
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 PSC girders, 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. Colin was the APM on this project responsible for controlling and managing sub contractors, material deliveries, coordination with SCDOT, safety, and overseeing all operations. Colin worked on this project with Cole White (PM) and Adiran Noriega (CM). This proven team of Cole, Colin and Adrian will be a resource for the success of SCDOT's D-B Bridge Package 16.

- 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 January 2023 and Colin will be available immediately upon a successful bid in May of 2023 on SCDOT's Design-Build Bridge Package 16.

KEY INDIVIDUAL RESUME FORM

Brief Resume of Key Individual anticipated for the Project.	
a.	Name & Title: Adrian Iturbide Noriega Construction Manager/Superintendent, CCO
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>23</u> Years With Other Firms <u>0</u> Years 2000-2003 Bridge Laborer 2003-2006 Carpenter 2006-2009 Leadman 2009-2011 Foreman 2011-Current Construction Manager/Superintendent: Responsible for the day-to-day management of construction activities onsite for a variety of bridge types in North Carolina and South Carolina, including prestressed girders 2011 – 2023
	<div style="border: 1px solid black; background-color: #e6f2ff; padding: 10px;"> <ul style="list-style-type: none"> ✓ D-B Delivery ✓ D-B-B Delivery ✓ Bridge Replacement ✓ Demolition ✓ Multiple Bridges (on 1 contract) ✓ Staged Construction ✓ PSC Girders </div>
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. <div style="border: 1px solid black; padding: 10px;"> <p><u>SCDOT Highway 176 over Dean Swamp and Dean Swamp Overflow in Berkeley and Orangeburg Counties, SC</u></p> <p>Key Personnel Role: Construction Manager Firm: Current Project Assignment Duration: Project 2020-2022, Assigned 2020-2022 Owner Contact Information: SCDOT, Keith Green, GreenFK@scdot.org, 843-746-7903 Design/Construction Value: \$8.8M</p> <p>Project Description: This was a staged construction project with over 0.6 miles of roadway and 2 flat slab bridges near Holly Hill, SC. Bridge 1 was 160' 4-span flat slab bridge on concrete pile bents with staged construction Bridge 2 was a 240' 7-span flat slab bridge on concrete pile bents with staged construction Both bridges required pre-drilling for concrete pile installation, which was completed by Dane Construction. A temporary work trestle was installed to construct both bridges for each stage. Adrian's specific responsibilities included managing of construction, construction sequencing of multiple crews, Coordination and scheduling of Materials and Subcontractors, working on-site with the Project Manager to ensure project was built on schedule, on budget, and safely.</p> <p><u>NCDOT Monroe Bypass, Structures B1800, B1900, B2400, B2500, C202587 in Mecklenburg and Union Counties, NC</u></p> <p>Key Personnel Role: Construction Manager Firm: Current Project Assignment Duration: Assigned 2016-2017 Prime Contractor Information: Monroe Bypass Constructors UIG, Michael Gantt, PE, Michael.Gantt@uig.net 803-899-0178 Owner Information: NCDOT, Rob Cousins, PE rob.cousins@summitde.com 540-320-6428 Contract Value: +/- \$300M Bridge Contract Value: \$4.5M (Labor and Equipment only – all permanent materials supplied by United) Project Description: Dane Construction was a subcontractor for United Infrastructure on the Monroe Bypass project. Dane Construction was contracted to construct structures B1800, B1900, B2400 and B2500 totling over 87,000 SF of bridges. B1800 consisted of a 148.5' 2-span Type III concrete girder bridge with an interior bent on spread footings built off-line similar to SCDOT's Bridge Package 16.</p> </div>

B1900 consisted of a 158' 2-span Type III concrete girder bridge with an interior bent on spread footings built off-line similar to SCDOT's Bridge Package 16.
 B2400 consisted of a 170' 2-span Type III concrete girder bridge with an interior bent on spread footings built off-line similar to SCDOT's Bridge Package 16.
 B2500 consisted of twin 709' 6-span 72" Modified Bulb Tee girder bridge with interior bents on drilled piers. The bridge was in a flood plain that required work to be completed from barges.
 Adrian's specific responsibilities on this project included coordination and scheduling with the GC, ensuring project remained on schedule, managing bridge construction of multiple crews and safety.
 Total SF of deck completed on this project was 87,364.
 Adrian worked with Cole White (PM) and Colin Darling (APM) to successfully deliver this project

NCDOT Division 10 D-B Bridge Package C202980 in Anson, Cabarrus, Mecklenburg and Union Counties

Key Personnel Role: Construction Manager
Firm: Current
Project Assignment Duration: Project 2012-2016, Assigned 2013-2016
Owner Contact Information: NCDOT, Nat Hunter, ehunter@ncdot.gov, 980-262-6202
Design Contract Value: \$8.5M

Project Description:
 This project was an Express Design Build project for NCDOT that included the replacement of one bridge in Anson County, four bridges in Cabarrus County, one bridge in Mecklenburg County and five bridges in Union County. Adrian managed the construction of 5 of the bridges in this package. One which was a 3-span girder bridge on drilled piers. The balance were cored slab or box beam bridges.
 Adrian's specific responsibilities were scheduling and construction sequencing and managing overall construction of multiple crews.
 Adrian worked successfully as CM with Cole White (PM) and Colin Darling (APM) on this project

NCDOT On I-40 and over NC-18 C202622 in Burke County, NC

Key Personnel Role: Construction Manager
Firm: Current
Project Assignment Duration: 2011-2013
Owner Contact Information: NCDOT, Chris Guffey, PE, caguffey@ncdot.gov, 828-447-2541
 NCDOT, Nathan Moneyham, PE, nsmoneyham@ncdot.gov, 828-443-8407
Contract Value: \$22M

Project Description:
 This project consisted of grading, paving, widening, drainage, structures, culvert extensions, walls, signals, and Interstate Traffic Switches.
 Adrian managed field operations for all structure construction and played a key role in the planning and scheduling for overall construction sequencing. Adrian worked closely with the PM and General Superintendent to ensure project was built on schedule and budget.

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


Key Personnel Role: Construction Manager
Firm: Current
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 PSC girders, 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. Adrian worked on this project as a Construction Manager and was responsible for managing field operations for all bridge construction. Adrian worked with Cole White (PM) and Colin Darling (APM) to successfully complete this project for SCDOT.

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

Adrian is currently working on project for the City of Forest Acres where his role will be completed in two months and would be available as package 16 requires. Adrian also worked with Cole W. on the SCDOT US Hwy 1 Bridge over S Edisto in Aiken, SC.

KEY INDIVIDUAL RESUME FORM

Brief Resume of Key Individual anticipated for the Project.	
<p>a. Name & Title: Jeffrey Marshall Walters, P.E., Assoc. DBIA Senior Project Manager for Alternative Delivery</p>	
<p>b. Role of Key Individual for this Project: Lead Design Engineer</p>	
<p>c. Name of Firm with which you are now associated: Neel-Schaffer, Inc.</p>	
<p>d. Years of Experience: With this Firm <u>2</u> Years With Other Firms <u>35</u> Years</p> <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 12 years. Many of the projects Jeff has worked on throughout his 37 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 has worked on bridges using staged construction, (AASHTO girders and Florida I-beams). 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="float: right; border: 1px solid black; background-color: #e6f2ff; padding: 10px; width: 250px;"> <ul style="list-style-type: none"> ✓ D-B Delivery ✓ D-B-B Delivery w/Construction Phase Involvement ✓ Bridge Replacement ✓ Demolition ✓ Staged Bridge Construction ✓ PSC Beam Bridges ✓ Detours ✓ Traffic Control/MOT ✓ Utility Coordination ✓ Environmental/Permitting ✓ ROW Acquisition ✓ E&SC ✓ Multiple Bridges (on 1 contract) </div>	
<p>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</p>	
<p>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</p>	

- 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 design and construction for meetings and key construction operations to provide an integrated team approach.





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, Delivery Method (DBB, DB, etc.) & Location (City, State)	b. Name of lead responsible for the overall project design or construction	c. Contact information of the Client & their Project Manager who can verify 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 Delivery Method: D-B 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. This was a very effective combination and will be a resource for success on SCDOT’s Package 16.																																																					
<div><div></div><div><p><u>Key Relevancies:</u></p><ul style="list-style-type: none">✓ D-B Delivery✓ Bridge Replacement✓ Demolition✓ Detours✓ Traffic/MOT✓ Utility Coordination✓ ROW Acquisition✓ Erosion & Sedimentation Control✓ Multiple Bridges On 1 Contract✓ PSC Girders</div><table><thead><tr><th colspan="2">Bridges</th><th>Length</th><th>Location (Co.)</th></tr></thead><tbody><tr><td>1</td><td>Two span cored slab</td><td>102’</td><td>Buncombe</td></tr><tr><td>2</td><td>Single span cored slab</td><td>70’</td><td>Buncombe</td></tr><tr><td>3</td><td>Single span cored slab</td><td>60’</td><td>Buncombe</td></tr><tr><td>4</td><td>Two barrel culvert</td><td>57’</td><td>Buncombe</td></tr><tr><td>5</td><td>Single span Box Beam</td><td>90’</td><td>Madison</td></tr><tr><td>6</td><td>Two span cored slab/ box beam combination, phased</td><td>135’</td><td>Madison</td></tr><tr><td>7</td><td>Single span cored slab</td><td>75’</td><td>Madison</td></tr><tr><td>8</td><td>Two span cored slab, phased</td><td>130’</td><td>Mitchell</td></tr><tr><td>9</td><td>Single span cored slab, phased</td><td>35’</td><td>Mitchell</td></tr><tr><td>10</td><td>Single span 54” PSC girders</td><td>107’</td><td>Mitchell</td></tr><tr><td>11</td><td>Single span cored slab</td><td>70’</td><td>Mitchell</td></tr></tbody></table></div>						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” PSC girders	107’	Mitchell	11	Single span cored slab	70’	Mitchell
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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 PSC girders.																																																					
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, Delivery Method (DBB, DB, etc.) & Location (City, State)	b. Name of lead responsible for the overall project design or construction	c. Contact information of the Client & their Project Manager who can verify 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 Delivery Method: D-B 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: ehunter@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																																																					
<p>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. All 3 proposed key roles (PM, APM and CM) worked together on this project.</p> <div><div></div><div><p><u>Key Relevancies:</u></p><ul style="list-style-type: none">✓ D-B Delivery✓ Bridge Replacement✓ Demolition✓ Detours✓ Traffic/MOT✓ Utility Coordination✓ ROW Acquisition✓ Erosion & Sedimentation Control✓ Multiple Bridges On 1 Contract✓ PSC Girders</div><table><thead><tr><th colspan="2">Bridges</th><th>Length</th><th>Location (Co.)</th></tr></thead><tbody><tr><td>1</td><td>Two span cored slab</td><td>110’</td><td>Anson</td></tr><tr><td>2</td><td>Single span cored slab</td><td>70’</td><td>Cabarrus</td></tr><tr><td>3</td><td>Single span cored slab</td><td>70’</td><td>Cabarrus</td></tr><tr><td>4</td><td>Three span 45” PSG</td><td>160’</td><td>Cabarrus</td></tr><tr><td>5</td><td>Single span cored slab</td><td>50’</td><td>Cabarrus</td></tr><tr><td>6</td><td>Single span cored slab</td><td>50’</td><td>Mecklenburg</td></tr><tr><td>7</td><td>Single span cored slab</td><td>70’</td><td>Union</td></tr><tr><td>8</td><td>Three span cored slab</td><td>125’</td><td>Union</td></tr><tr><td>9</td><td>Two span cored slab</td><td>80’</td><td>Union</td></tr><tr><td>10</td><td>Single span cored slab</td><td>50’</td><td>Union</td></tr><tr><td>11</td><td>Culvert</td><td>N/A</td><td>Union</td></tr></tbody></table></div>						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
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A three span PSC girder 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.																																																					
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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, Delivery Method (DBB, DB, etc.) & Location (City, State)	b. Name of lead responsible for the overall project design or construction	c. Contact information of the Client & their Project Manager who can verify 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)
FY 2018 D-B Bridge Replacements – Batch 1 Delivery Method: D-B Catoosa, Douglas, Elbert, Polk, Walker & Walton Counites (GA)	Wright Brothers Construction, Inc.	GDOT Rick O’Hara 404-631-1169 ro’hara@dot.ga.gov	Construction Complete: 09/2021 Design Complete: 10/2020	\$9,496	\$1,239

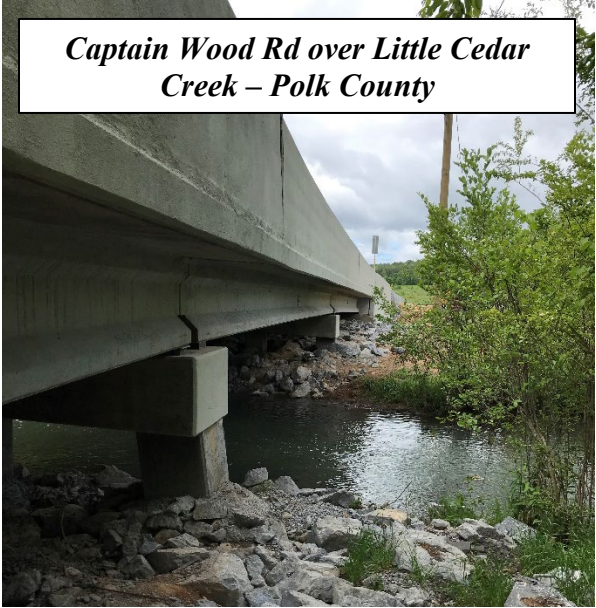
g. Narrative describing the work performed by NS. Neel-Schaffer, Inc. (NS) is a wholly owned subsidiary of Neel Schaffer, Engineers and Planners, Inc – NS is proposed as the Lead Designer.

NS was the Lead Designer for the Wright Brothers Construction, Inc. for the Design-Build replacement of six bridges located in north Georgia. NS completed engineering design and construction coordination services for these six (6) off-system stream crossings. Services included bridge design, hydraulics & hydrology, roadway approach design, and as-built plans. NS was also responsible for management of all engineering sub-consultants, including environmental, survey, and SUE. Four bridges are Type 1 Mod PSC Beam spans ranging from 35 feet to 55 feet with total bridge lengths up to 220 feet. One consists of a 63-inch Bulb Tee PSC Beam Span that is 120 feet in length and two Type III PSC Beam End Spans at 30 feet each. Typical foundations for the bents of these bridges consisted of either steel H-Piles or Drilled Shafts. NS personnel involved included Justin Wood, PE, SE, DBIA - Structural QA/QC Lead who is proposed as the Bridge EOR role on SCDOT’s Bridge Package 16. Work for the project was completed in NS’s office in Atlanta, GA with support & QC from our office in Birmingham, AL using experienced engineers to accomplish the design efficiently. Design & Construction on all bridges is complete.

Bridges		Length	Location (Co.)
1	Houston Valley Rd over Dry Creek	150’	Catoosa
2	Post Rd over Dog River	180’	Douglas
3	Ed Webb Rd over Dove Creek	145’	Elbert
4	Captain Wood Rd over Little Cedar Creek	130’	Polk
5	Captain Wood Rd over Mud Creek	220’	Walker
6	Dewey Hogan Rd over Wolf Creek	70’	Walton



Captain Wood Road over Mud Creek – Walker County



Captain Wood Rd over Little Cedar Creek – Polk County

Key Relevancies:

- ✓ D-B Delivery
- ✓ Bridge Replacement
- ✓ PSC Beams
- ✓ All Bridges Over Water
- ✓ Single and Multi-Span Bridges
- ✓ Drilled Shafts
- ✓ Clear Spanning Channels
- ✓ Demolition
- ✓ Detours

Key Relevancies:

- ✓ Structure Design
- ✓ Geotechnical
- ✓ ROW Acquisition
- ✓ Multiple Bridges On 1 Contract
- ✓ Drainage / E&SC
- ✓ Traffic/MOT
- ✓ Utility Coordination
- ✓ Environmental/Permitting
- ✓ Limited Durations for Bridge Construction
- ✓ Roadway Design

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.

NS prepared and maintained the P6 Schedule for Design & Construction giving NS thorough knowledge of the schedule to keep engineering efforts on track to support the Contractor enabling him keep construction on schedule. This was the contractor's first multi-bridge design-build package in the state. Weekly Team Meetings were used to integrate the design & construction team and work effort for all 6 bridges and maintain communication needed to be successful. DBIA best practices were used by the team and all bridges were completed on time and within budget and 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.



NS has a proven DQMP that has been successfully used on a number of D-B projects to provide high quality designs that lead to high quality construction. NS has consistently provided high quality designs and plans to WBCI and met the project schedule while constantly communicating with WBCI to meet their expectations. This had led to repeat teaming opportunities with WBCI on projects within their company footprint and areas of expertise on the right sized 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, Delivery Method (DBB, DB, etc.) & Location (City, State)	b. Name of lead responsible for the overall project design or construction	c. Contact information of the Client & their Project Manager who can verify 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 Delivery Metod: D-B 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, except for 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 16. Work for the project was completed in NS’s offices in Atlanta, GA & Birmingham, AL using experienced engineers to accomplish the design efficiently. 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 Barnetts 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					
								
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.			Key Relevancies: <ul style="list-style-type: none">✓ D-B Delivery✓ Bridge Replacement✓ PSC Beams✓ All Bridges Over Water✓ Clear Spanning Channels✓ Limited Durations for Bridge Construction✓ Demolition			Key Relevancies: <ul style="list-style-type: none">✓ Detours✓ Roadway Design✓ Structure Design✓ Geotechnical✓ Drainage / E&SC✓ Traffic/MOT✓ Utility Coordination✓ Environmental/Permitting✓ Multiple Bridges Per Contract		
			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. We communicated routinely via weekly Team Meetings to integrate the design & construction team and work effort for all 11 bridges. There were no claims on the project. This successful team created an integrated and collaboative working relationship that led to repeat teaming and a win on the FY 2022 D-B Bridge Bundle for GDOT.					
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 monitored closely 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 and successfully used on this project to provide continued quality design on other D-B projects. NS began to implement DBIA Best Practices on this project as it began involvement in D-B delivery to improve team integration, schedule management and provide enhanced quality.								
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-SCHAFER
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



January 9, 2023

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

RE: Bridge Package 16
Contract ID: 3962240

To Whom It May Concern,

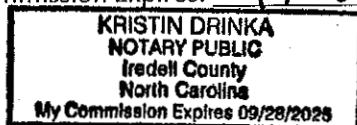
Pursuant to Section 3.6.1 Financial Capacity of Request for Qualifications (RFQ) for the Design Build Project Contract ID 3962240 by SCDOT issued January 3, 2023:

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 9 day of January, 2023.
By: Kristin Drinka
Notary Public
My Commission Expires: 09/28/2025



Section 3.6.2 \ Bonding Capacity



Surety Department

Marsh McLennan Agency
5605 Carnegie Boulevard, Suite 300
Charlotte, NC 28209
T +1 704 365 6213
www.MarshMMA.com

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

January 09, 2023

Subject: Dane Construction, Inc., Mooresville, NC
Project: Bridge Package 16, Design-Build Project, Contract ID 3962240, Pickens County

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 \$30,000,000. 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}.

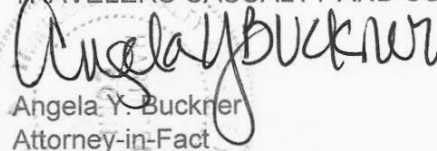
This letter is to advise you Travelers Casualty and Surety Company of America is prepared to provide the necessary Performance and Payment Bond in connection with the above captioned project as required. As always, Travelers Casualty and Surety Company of America reserves the right to perform normal 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 yours,

TRAVELERS CASUALTY AND SURETY COMPANY OF AMERICA



Angela Y. Buckner
Attorney-in-Fact

This document is not intended to be taken as advice regarding any individual situation and should not be relied upon as such. Marsh & McLennan Agency, LLC shall have no obligation to update this publication and shall have no liability to you or any other party arising out of this publication or any matter contained herein. Any statements concerning actuarial, tax, accounting or legal matters are based solely on our experience as consultants and are not to be relied upon as actuarial, accounting, tax or legal advice, for which you should consult your own professional advisors. Any modeling analytics or projections are subject to inherent uncertainty and the analysis could be materially affected if any underlying assumptions, conditions, information or factors are inaccurate or incomplete or should change. Copyright © 2022 Marsh McLennan Agency, LLC. All rights reserved. CA Insurance Lic: 0H18131. MarshMMA.com

A business of Marsh McLennan
Marsh McLennan Agency

Your future is limitless.™



**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

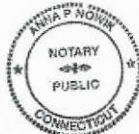
City of Hartford ss.

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

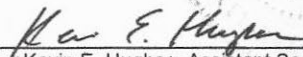
FURTHER RESOLVED, that any bond, recognizance, contract of indemnity, or writing obligatory in the nature of a bond, recognizance, or conditional undertaking shall be valid and binding upon the Company when (a) signed by the President, any Vice Chairman, any Executive Vice President, any Senior Vice 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 **9th** day of **January**, 2023




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)



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 January 16, 2023. No addendum 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					
edjustice@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
rob.cousins@summitde.com	Rob	Cousins	NCDOT	NCDOT Monroe Bypass, Structures B1800, B1900, B2400, B2500, C202587	United/Dane
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					
edjustice@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 FY 2018 D-B Bridge Replacements – Batch 1	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						
rsmiles@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.
taylorjl@scdot.org	Jeffery	Taylor	Colin Brady Darling	SCDOT US Hwy 1 Bridge over S Edisto River (ID 0029920) in Aiken, SC	Project Manager	Dane Construction, Inc.
GreenFK@scdot.org	Keith	Green	Adrian Iturbide Noriega	SCDOT Highway 176 over Dean Swamp and Dean Swamp Overflow in Berkeley and Orangeburg Counties, SC	Construction Manager	Dane Construction, Inc.
rob.cousins@summitde.com	Rob	Cousins	Adrian Iturbide Noriega	NCDOT Monroe Bypass, Structures B1800, B1900, B2400, B2500, C202587 in Mecklenburg and Union Counties, NC	Construction Manager	Dane Construction, Inc.
ehunter@ncdot.gov	Nat	Hunter	Adrian Iturbide Noriega	NCDOT Division 10 D-B Bridge Package C202980 in Anson, Cabarrus, Mecklenburg and Union Counties, NC	Construction Manager	Dane Construction, Inc.
caguffey@ncdot.gov	Chris	Guffey	Adrian Iturbide Noriega	NCDOT On I-40 and over NC-18 C202622 in Burke County, NC	Construction Manager	Dane Construction, Inc.
taylorjl@scdot.org	Jeffery	Taylor	Adrian Iturbide Noriega	SCDOT US Hwy 1 Bridge over S Edisto River (ID 0029920) in Aiken, SC	Project 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

