



Statement of Qualifications

# I-95 Southbound CD Lanes— Rappahannock River Crossing

From Exit 130 to 0.66 Miles North of Exit 133

State Project No.: 0095-111-259

Federal Project No.: IM-5111 (235)

Contract ID Number: C00101595DB94



submitted to:

**Virginia Department of Transportation**

submitted by:

**Archer Western Construction, LLC**

in association with:

**WSP | Parsons Brinckerhoff**





**I-95 Southbound CD Lanes –  
Rappahannock River Crossing**  
From Exit 130 to 0.66 Miles  
North of Exit 133



February 7, 2017

Commonwealth of Virginia  
Department of Transportation (VDOT)  
Central Office Mail Center  
Loading Dock Entrance  
1401 E. Broad Street  
Richmond, Virginia 23219  
Attention: Suril R. Shah (APD Division)

**SUBJECT: Statement of Qualifications – Contract ID Number: C00101595DB94**  
**I-95 Southbound CD Lanes – Rappahannock River Crossing**  
**From: Exit 130 to: 0.66 Miles North of Exit 133**  
**State Project No.: 0095-111-259**  
**Federal Project No.: IM-5111(235)**

Dear Mr. Shah:

The design-build team of **Archer Western Construction, LLC (AWC)**, and **WSP | Parsons Brinckerhoff (PB)** is pleased to submit this statement of qualifications for the I-95 Southbound CD Lanes – Rappahannock River Crossing Project in Fredericksburg. AWC and PB bring an established working relationship to the I-95 Rappahannock project dating back over 15 years.

We have assembled a highly experienced team to further enhance our overall abilities and provide the Department the most qualified team to successfully complete this challenging project. Our project team includes experts in the critical areas of this project, including high-level bridge design and construction, developing and implementing TMPs for interstate highways, environmental permitting and compliance, stormwater management, right-of-way acquisition, utility and third party coordination, and quality assurance.

Our team has conducted site tours, attended public hearings, examined the RFQ and supplemental information, and have structured the team to address the unique aspects of this project. Since 2010, AWC has been ranked as this nation's Largest Bridge Builder according to ENR with notable river crossing projects such as the Lehigh, Allegheny, and Monongahela River Bridges all with lengths exceeding 1,500' and heights in excess of 100'. As the 4<sup>th</sup> Largest Highway Contractor, AWC brings invaluable experience from projects on this country's most congested interstate highways including I-395 and I-95 in Northern Virginia.

**3.2.1 OFFEROR'S NAME AND ADDRESS:** As prime contractor and design-builder, the official representative for the I-95 Southbound CD Lanes – Rappahannock River Crossing project will be as follows:

*Offeror's Name:* **Archer Western Construction, LLC**  
*Address:* 2 Wisconsin Circle, Suite 200, Chevy Chase, MD 20815

**3.2.2 OFFEROR'S POINT OF CONTACT:** Our proposed Design-Build Project Manager will serve as the Point of Contact:

*Offeror's Primary Contact:* **T. Eric Hayes, PE, Senior Project Manager**  
*Address:* 2 Wisconsin Circle, Suite 200, Chevy Chase, MD 20815  
*Phone:* 301-347-4680 *Fax:* 301-347-4681  
*Email:* ehayes@walshgroup.com

**3.2.3 PRINCIPAL OFFICER OF THE OFFEROR:** The Principal Officer of Archer Western is as follows:

*Offeror's Principal Officer:* **Stephen P. Carter Jr., Senior Vice President**  
*Address:* 2410 Paces Ferry Road, Suite 600, Atlanta, GA 30339  
*Phone:* 404-495-8700



- 3.2.4 STRUCTURE OF OFFEROR:** The legal structure of the team is organized such that Archer Western will be the signatory to the design-build contract with VDOT, as a limited liability company with all financial responsibility. Additionally, Archer Western will provide all performance and payment bonds for the project. PB, serving as the Lead Designer, will be a subcontractor to Archer Western. Additional subconsultant Team members that will contract to PB are shown on our organizational chart. Finally, **McDonough Bolyard Peck, Inc. (SWaM)**, serving as the **QAM** will be a subcontractor to AWC.
- 3.2.5 LEGAL NAMES OF LEAD CONTRACTOR AND LEAD DESIGNER:** The full legal name of the Offeror is: Archer Western Construction, LLC. The full legal name of the Lead Designer is: Parsons Brinckerhoff, Inc.
- 3.2.6 AFFILIATES & SUBSIDIARIES:** A complete list of affiliates and subsidiary companies may be found in the Appendix.
- 3.2.7 DEBARMENT FORMS:** Certifications for Debarment for both Primary and Lower Tier Covered Transactions have been completed and executed for the Offeror and all subconsultants, subcontractors, and other entities identified as members of the AWC Team and may be found in the Appendix.
- 3.2.8 VDOT PREQUALIFICATION CERTIFICATE:** Archer Western's prequalification ID is A210, and our status is active. Please refer to the Appendix for supporting documentation.
- 3.2.9 LETTER OF SURETY:** A surety letter from our bonding company is included in the Appendix, confirming their willingness to provide any and all bonds for this project.
- 3.2.10 SCC/DPOR INFORMATION AND EVIDENCE:** The matrix in the Appendix delineates the respective state registrations and licensures of the AWC Team. The Offeror and all team members are eligible at the time of the SOQ submittal, under the law and relevant regulations, to offer and to provide any services proposed or related to the project. Respective copies of licenses may be found in the Appendix.
- 3.2.11 DISADVANTAGED BUSINESS ENTERPRISE (DBE):** AWC supports the Disadvantaged Business Enterprise (DBE) program and is committed to meeting the 10% goal for the design and construction of this project utilizing Virginia certified DBE companies.

We appreciate the opportunity to submit our qualifications for the design and construction of the ***I-95 Southbound CD Lanes – Rappahannock River Crossing*** project. Our team contains both the highway and high-level river crossing experience necessary to understand and mitigate the unique challenges on this project. Archer Western, PB, and our design partners create an integrated team focused on meeting your objectives for this project, to provide additional capacity, reduce congestion, improve accessibility and mobility, and improve safety through this section of the I-95 corridor.

The Archer Western Team is the right team to deliver this project and we look forward to working with you on this critical project for the Fredericksburg area and the Commonwealth.

Sincerely,

**Archer Western Construction, LLC**

Stephen P. Carter, Jr.  
Senior Vice President



**I-95 Southbound CD Lanes –  
Rappahannock River Crossing**  
From Exit 130 to 0.66 Miles  
North of Exit 133

## 3.3 Offeror's Team Structure

The Offeror, Archer Western Construction, LLC brings together industry leading design and construction firms with the resources, experience, and capabilities to manage and construct this high-profile highway project. Supporting team members, many of whom are locally-based with a long history in the area, were carefully selected based on previous working relationships and capabilities in providing complementary services in design, quality assurance/control, and right-of-way acquisitions services. Structured as an integrated organization, our team supports effective communication with established internal and external relationships that will serve as the foundation for our work with VDOT. This approach will help us manage the design and construction requirements necessary to provide VDOT with a project that meets the goals of providing additional capacity, reducing congestion, improving accessibility and mobility, and improving safety throughout this section of the I-95 Corridor.

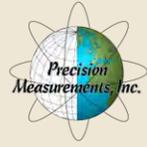
### The Archer Western Team

Figure 3.3-1 presents all the members of the Archer Western Team.

**Archer Western Construction (AWC)**, a general contracting, construction management, and design-build firm, is a member of the Walsh Construction Group, a fourth generation, family owned business dating back 119 years. AWC has maintained its presence in Virginia since the 1980s, completing projects on the I-95 corridor such as the recent and very successful I-95 Richmond Bridges Replacement.

AWC traditionally self-performs demolition, wet utilities, storm drainage, concrete paving, concrete work, earthwork, foundations, bridges, and retaining walls.

Figure 3.3-1

The Archer Western Team	
	Archer Western Construction, LLC Offeror and Lead Contractor VDOT Prequalification A210
	WSP   Parsons Brinckerhoff Lead Designer
	Precision Measurements, Inc. (PMI) Surveying and SUE DBE/WBE No. 5346, SWaM No. 5346
	Hassan Water Resources (HWR) Hydraulics and Drainage MBE No. DB2010-0337-2015, SWaM No. 662801
	Harris Miller Miller & Hanson, Inc. (HMMH) Noise Analysis DBE/WBE No. 705236, SWaM No. 665488
	McDonough Bolyard Peck, Inc. (MBP) Quality Assurance
<b>RHODESIDE &amp; HARWELL</b>	
	Rhodeside & Harwell, Inc. (RHI) Landscape Architecture WBE No. DB1994-0346-2015, SWaM No. 626309
	Albright Group, LLC (AG) Public Involvement SWaM No. 711419
	ERM & Associates (ERM) Right-of-Way Acquisition SWaM No. 705887
	EEE Consulting, Inc. (EEE) Environmental Permitting SWaM No. 7052
	CES Consulting, Inc. (CES) Utility Coordination DBE/MBE No. 690040

**WSP | Parsons Brinckerhoff (PB)** is an industry leader in infrastructure development and transportation engineering. PB will serve as the Lead Designer for this project.

For over 50 years in the Commonwealth of Virginia, PB has successfully completed roadway design, complex high-level bridge design, maintenance of traffic plans, and all types of civil infrastructure design for VDOT and other transportation agencies.

PB provides a full range of services supporting VDOT to meet the technical, financial, and contextual challenges of delivering roads and highways that address the economic, social, and environmental needs of the communities they serve.

*Figure 3.3-2 Key Personnel*

<i>ENGINEERING NEWS RECORD 2016</i>	
ARCHER WESTERN CONTRACTORS	WSP   PARSONS BRINCKERHOFF
# 3 TRANSPORTATION	# 1 TRANSPORTATION
# 4 HIGHWAYS	# 1 HIGHWAYS
# 1 BRIDGES	# 2 BRIDGES
# 7 DESIGN-BUILD	

### 3.3.1 Identity of and Information About The Key Personnel

The individuals in Table 3.3-2 are available for the duration of the I-95 Southbound CD Lanes Project to fill the required Key Personnel roles as needed. Resumes for each of these key individuals are included in the Appendix.

Qualification Highlights	Relevant Projects
<b>Eric Hayes – Design-Build Project Manager</b>	
<ul style="list-style-type: none"> <li>25 years of transportation experience</li> <li>Design-Build experience</li> <li>Complex bridge experience</li> </ul>	<ul style="list-style-type: none"> <li>SR 264 Ohio River Bridge – East End Project (Design-Build)</li> <li>I- 64 Daniel Boone Bridge Replacement(Design-Build)</li> <li>SR 0043 Monongahela River Bridge (Design-Build)</li> </ul>
<b>Laurence Wadman, PE – Responsible Charge Engineer – VA PE License 040201878</b>	
<ul style="list-style-type: none"> <li>40 years of heavy-civil experience</li> <li>Design-Build experience</li> <li>Bridge and interstate highway experience</li> </ul>	<ul style="list-style-type: none"> <li>Replacement Bridge over the New River (Design-Build)</li> <li>Isabel Holmes Bascule Bridge Replacement (Design-Build)</li> <li>CSX Bridge 2A Replacement (Design-Build)</li> </ul>
<b>Eugene Ritchie – Construction Manager</b>	
<ul style="list-style-type: none"> <li>20 years of CM experience</li> <li>Design-Build experience</li> <li>Interstate highway and bridge experience</li> </ul>	<ul style="list-style-type: none"> <li>MD 200 Intercounty Connector Contract C (Design-Build)</li> <li>Arkendale to Powell Creek 3rd Track (Design-Build)</li> </ul>
<b>Ali Abdolahi, PE, CCM – Quality Assurance Manager – VA PE License 0402031852</b>	
<ul style="list-style-type: none"> <li>QAM experience on VDOT DB projects</li> <li>36 years QA/QC experience</li> <li>Construction management experience</li> </ul>	<ul style="list-style-type: none"> <li>Huguenot Memorial Bridge</li> <li>Fairfax County Parkway Extension</li> <li>I-395 Seminary Rd HOV Ramp (Design-Build)</li> </ul>
<b>Derek Piper, PE, AICP, DBIA – Design Manager – VA PE License 0402046886</b>	
<ul style="list-style-type: none"> <li>31 years of design experience</li> <li>Design-Build and VDOT experience</li> <li>QA/QC design experience</li> </ul>	<ul style="list-style-type: none"> <li>I-264 Widening and MLK Extension (Design-Build)</li> <li>Elizabeth River Tunnels (Design-Build)</li> <li>US 17 Dominion Blvd. Widening and Bridge Improvements</li> </ul>
<b>Rex Gilley, PE – Lead Structural Engineer – VA PE License 0402025213</b>	
<ul style="list-style-type: none"> <li>26 years of design experience</li> <li>Design-Build and VDOT experience</li> <li>Long span and water crossing bridge design experience</li> </ul>	<ul style="list-style-type: none"> <li>US 17 Dominion Blvd. Widening and Bridge Improvements</li> <li>Route 33 Pamunkey River Bridge</li> <li>US 17 Arthur J. Raveland, Jr. Bridge over the Cooper River</li> </ul>

---

### 3.3.2 Organizational Chart Showing the Chain of Command

Our organization chart (Figure 3.3-3) on the following page presents a well-defined and integrated organization which identifies major functions and outlines the reporting relationships of personnel responsible for the management of design, construction, and QA/QC activities. We have organized our lower-level supervision and management team to align with our discipline based management approach. We will also incorporate our “zipper strategy” where design disciplines are paired with their construction counterparts (structural engineer-bridge superintendent, etc.). AWC is building upon our proven structure and relationships developed during the delivery of projects such as the I-395 Seminary Road Design-Build project and our design-build history to:

- Foster communication within our organization, VDOT, involved stakeholders such as the City of Fredericksburg, Stafford County, VADEQ, local businesses, residents, utilities, and other third party stakeholders.
- Allocate resources efficiently to respond to project challenges
- Provide independence for quality, safety, and environmental personnel

#### Functional Relationships

Our team is organized with logical reporting relationships to manage design and construction while maintaining distinct responsibilities and project controls.

**Design-Build Project Manager (DBPM) – Eric Hayes** reports to AWC’s Project Executive, EJ O’Neill. Mr. Hayes will have primary responsibility for execution of the design, construction, project management, quality, safety, and public outreach and stakeholder communication. He is AWC’s principal point of contact for VDOT. Mr. Hayes has seven direct reports: Quality Assurance Manager, Responsible Charge Engineer, Design Manager, Construction Manager, DB Coordinator, Safety Manager, and Public Information Coordinator.

**Responsible Charge Engineer (RCE) – Laurence Wadman, PE** will report directly to the DBPM with lines of communication with the DM, CM, and QAM. He will be responsible for supervising and approving engineering and construction work in progress and the final products. He will ensure all engineering services are performed by professionals properly licensed in Virginia and plans are signed and sealed by such professionals.

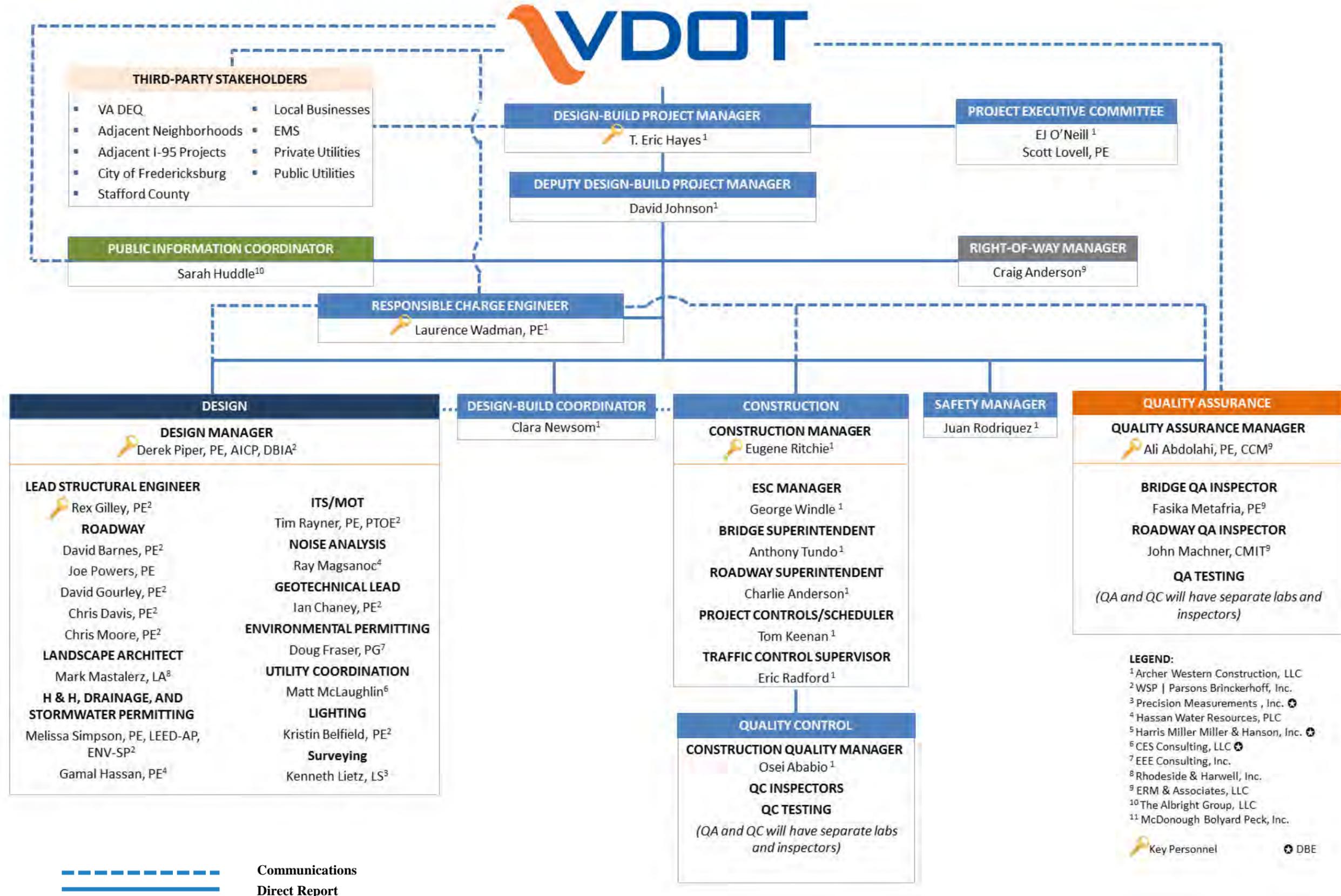
**Quality Assurance Manager (QAM) – Ali Abdolahi, PE, CCM** will report directly to the DBPM. Direct reports include the two lead QA Inspectors (bridge and roadway) and the offsite materials sampling and testing laboratory. Through the DBPM, the QAM organization will establish communication paths to the construction quality control and construction organization to ensure that the QAM is apprised of activities and to ensure that corrective actions and remediation are implemented as quickly as possible.

**Design Manager (DM) – Derek Piper, PE, AICP, DBIA** will report to the DBPM. Individual design disciplines and design subconsultants will report to Mr. Piper. The environmental team will also report to him during the design phase. He will ensure the overall design is in conformance with the contract documents.

**Construction Manager (CM) – Eugene Ritchie** will report to the DBPM. He will be responsible for managing the day-to-day activities during the construction phase, which includes the quality control activities. Prior to commencement of construction activities, Mr. Ritchie will obtain both a Virginia DEQ Responsible Land Disturber Certification and a VDOT Erosion and Sediment Control Contractor Certification.

**Lead Structural Engineer – Rex Gilley, PE** will report to the DM. He is responsible for the structural design of the bridges and retaining walls. Mr. Gilley will coordinate elements of the structures with other design disciplines and construction staff as well as review designs, plans and load ratings. He will coordinate closely with the construction staff to answer RFI’s, review shop drawings, and address field conditions and construction activities to maintain the project schedule and budget as well as gain VDOT concurrence.

Figure 3.3-3 Organization Chart



---

## Value-Added Personnel

In addition to the key personnel, we also commit three value-added positions that will facilitate constructability and coordination between design and construction, enhance our commitment to safety of the traveling public and our construction work force, and augment our public outreach approach.

**Design-Build Coordinator (DBC)** – Clara Newsom will facilitate communication between design, construction, quality, and project management teams. The DBC reports to the DBPM and duties include actively participating in design Task Force Meetings, constructability reviews, and conveying field information.

**Safety Manager (SM)** – Juan Rodriguez will report to the DBPM. He will be responsible for all aspects of safety during the life of the project. He will tailor AWC’s corporate safety program to this project and oversee its implementation, adherence, and reporting.

**Public Information Coordinator (PIC)** – Sarah Huddle will report to the DBPM and will support Mr. Hayes in his responsibility to coordinate the public outreach and public meetings.

Developing and maintaining clear and open lines of communication within the team, with VDOT, and with stakeholders is key to delivering a project that exceeds expectations. In addition to the reporting lines presented on our organizational chart, we will rely upon lessons learned from our most successful design-build projects.

## Effective Communication

**Coordination of Design and Construction** – The design team organization for this project will be discipline based. Within this framework, our team will establish task forces that will align design and construction personnel in collaborative, problems solving work groups. Task Force meetings will be held and structured to engage engineers and construction professionals to exchange ideas, coordinate design requirements with means and methods, and develop innovative solutions to specific challenges presented throughout the design process. As the project progresses, Task Force teams will be expanded to include participation from VDOT, the GEC, other I-95

corridor project personnel, and other major stakeholders to the level they desire.

While coordination between VDOT and the AWC Team is essential to the design-build process, coordination of various design disciplines is also critically important to ensure the quality and constructability of the design and life cycle of the project.

Highway and bridge projects by nature involve many differing disciplines that must work in collaboration to provide a quality product. The I-95 Southbound CD Lanes Project involves structural, geotechnical, civil, traffic, environmental, and stormwater disciplines, as well as safety and quality assurance/control that all must be closely coordinated in the task teams to minimize potential field issues. AWC has proven this approach to be successful on other design-build projects and will use this work collaboration tool on this project.

**Internal Communications** – Maximizing interaction between our design and construction teams is founded on our Task Force and “zipper strategy” approach where a particular design discipline is paired with their construction counterpart (i.e. Roadway Engineer/Roadway Superintendent). Our weekly Task Force meetings serve as a forum to work through design and constructability issues.

**Partnering** – Formal Partnering with VDOT and other key stakeholders is an important component of our communications approach. By aligning goals and establishing a framework for communication early in the project, we will be better able to respond to concerns in an atmosphere of mutual trust and work together to resolve issues before they affect the project. We have found that working in a formal partnering process resolves disputes early and mitigates risk to VDOT.

**Public Outreach** – Eric Hayes, our DBPM, with the support of Sarah Huddle of the Albright Group, will be responsible for ensuring that our team interacts effectively with stakeholders, businesses, and residents. The Team will support VDOT with all project messaging and information necessary to convey the status of the project as well as any information on upcoming events.



**I-95 Southbound CD Lanes –  
Rappahannock River Crossing**  
From Exit 130 to 0.66 Miles  
North of Exit 133

## 3.4 Experience of The Offeror's Team

---

AWC, in combination with PB, offers significant experience and capability to deliver this critical project. We have a similar approach to business and ethics and share a corporate culture focused on safe project execution, quality, cost effectiveness, and customer satisfaction. Combined with our complimentary skill sets and experience delivering important, high-profile, interstate/bridge projects, this team embodies every capability necessary to make this project a success.

Our team's impressive design-build successes on similar major transportation projects are described in the Work History Forms located in the Appendix. We have extensive experience with high-level bridges and interstate highways throughout the Mid-Atlantic and Southeast. The team has designed and constructed projects in highly congested urban areas including Hampton Roads, Richmond, and Arlington, VA; Washington, DC; and Atlanta, GA. This team's comprehensive project experience with similar design and construction challenges will allow our key staff to apply their lessons learned to the benefit of the I-95 Southbound CD lanes Project. Through project design, development, and construction reflected in our Work History Forms, we have developed and fostered relationships with our entire team of design subconsultants. These experiences will enable us to deliver quality work on an accelerated schedule – with no learning curve! Team members have been collaborating for the last three months to develop a thorough understanding of the risk and mitigation strategies for an accelerated project start.

### Our Team Strengths

AWC and PB have developed a strong working relationship through recent VDOT pursuits, the LaGuardia Airport Central Terminal Project, New York, NY (roadway and bridge portion), and the I-95 "Q" Bridge Crossing New Haven Harbor Corridor, CT. We have also collaborated on many design-build projects for DoD facilities including for the US Navy, US Army, and the Army National Guard. The collective experience

designing and constructing both high-level bridges and additional lanes along interstate highways provides VDOT with the confidence that this team understands the potential impacts and has developed mitigation techniques from previous projects.

The Work History Forms show that we have the basis to understand the risks associated with this project including work zone safety, Time of Year Restrictions, and stormwater factors in the Fredericksburg region that will impact our approach to design and construction.

We also have well established working relationships with local regulatory organizations. To enhance our team's experience, we have included EEE Consulting, Inc., a Virginia small business that provides environmental and engineering services. They have been working with public and private sector clients since 1998. Their professional expertise focuses on "all things environmental," including stormwater, brownfields, assessment and remediation, asbestos, lead, wetland delineation, permitting, mitigation design, stream restoration, threatened and endangered species consultation, hazardous waste management, RCRA, CERCLA, TSCA and beyond.

**Figure 3.4-1 located on page 10 demonstrates additional AWC Team project experience beyond the six Work History Forms located in the Appendix.**

### Finishing Contracts On Time or Early

Members of the AWC Team are proud of their track record of completing projects on time, often earning early completion bonuses. In addition to all of the projects provided in the Work History Forms finishing on time, the following similar projects achieved early completion bonuses: I-95 Richmond Bridges, US 90 St. Louis Bay Bridge, and the SR105 Sisters Creek Bridge Replacement.

### Use of Innovative Solutions/ Techniques

**Veterans Memorial Bridge:** Use of a beam shifter reduced the number and size of the cranes needed and minimized environmental impacts by eliminating additional construction access points.

**I-395 Seminary Road HOV Ramp:** Use of a Tower crane to support the construction activities on the existing interchange reduced impacts to traffic by minimizing lane/road closures.

**I-95 Richmond Bridges:** The use of Accelerated Bridge Construction (ABC) techniques minimized lane/road closures and impacts to traffic while improving both the quality and safety of the project.

### Previous DB Experience

Four of the six projects described on the included Work History provided are design-build projects as are 11 additional projects presented in Figure 3.4-1 are design-build.

### Minimizing Impacts to Traffic and Community

All of the Work History Forms describe projects that contained multi-phase MOT plans with approaches that minimized impacts to traffic and the community. Many of the projects listed in Figure 3.4-1 were constructed in urban settings including the I-77 Widening, Columbia, SC; Northwest Managed Lanes, Atlanta, GA; I-95/295 Northern Interchange, Jacksonville, FL; Vietnam Veterans Memorial Bridge, Richmond, VA, and the I-275 Reconstruction in Tampa, FL.

### Effective Communication Strategies

Keeping the businesses, the surrounding community, and key stakeholders aware of upcoming construction activity that may affect them is critical to VDOT in maintaining a positive public image. Team members have implemented social media strategies on projects such as AWC's NC-540 Western Wake Freeway and I-77 Widening.

Additionally, PB assisted the City of Chesapeake in maintaining a project website and social media outlets that provided continual project updates to local citizens for the US 17 Dominion Blvd. Widening and Bridge Improvements project. On this project, the team went well beyond the standard public information process by participating on local radio programs that allowed citizens to call with questions about the project, meeting regularly with business and churches in the area, and sponsoring a food drive for the childcare business impacted during construction. These efforts led to strong public support for the

project with overwhelmingly positive comments received at all public meetings.

The AWC Team has also added Albright Group to assist with public information / involvement strategies.

Albright Group is a strategic communications and leadership-consulting firm with expertise in transportation planning, utility infrastructure development, and environmental remediation. The firm's founder and president, Sarah Huddle, has two decades of experience as a consultant to DOTs, local jurisdictions and engineering firms on a wide range of transportation matters. She is applying that experience to her roles as a member of the Virginia Transportation Construction Alliance (VTCA) and as a WTS board member and she is the incoming chair for the Corporate Communications section of the Public Relations Society of America.

### DBE Participation

AWC has a long successful history of implementing robust DBE programs focused on achieving the agency stated goals on both traditional and design-build projects.

We are exceeding the 14% goal on Northwest Corridor Managed Lanes in Atlanta, GA, a \$600 million project; as we have achieved approximately 14.2% to date. On the VDOT I-395 HOV Ramp at Seminary Road project in Arlington, VA, we exceeded the challenging 20% DBE goal by delivering 24.5% DBE participation at contract completion. On every Work History Form included, we have met or exceeded the DBE Participation Goals.

Our comprehensive DBE program is implemented in two phases: the bid phase, and the award phase. During the bid phase, we have an aggressive solicitation process to ensure that every DBE firm that provides a commercially useful function (CUF) is given the opportunity to provide a quote. During the award phase, we implement our multi-part DBE program that consists of a proactive outreach program, good faith negotiation, instructional guidance training, collaboration with stakeholders and good faith documentation. As presented in section 3.3 Offeror's Team Structure the AWC Team has the participation of three DBE firms and four SWaM firms.

Figure 3.4-1 SIMILAR PROJECT EXPERIENCE

Project Name Location/Construction Value	Team Members	Design-Build Delivery	Interstate Highway (Congested)	High Level Bridge	ROW Acquisition	Noise Mitigation	Public Information Program	Complex MOT/TMP	Stormwater Management	Environmental Permitting
I-77 Widening, Columbia, SC - \$88M	AWC	■	■		■		■	■	■	■
NC 540 Western Wake Freeway Raleigh, NC - \$468M	AWC	■			■	■	■		■	■
Northwest Corridor Managed Lanes Atlanta, GA - \$599M	AWC	■	■	■	■	■	■	■	■	■
I-85 Widening/Reconstruction, Newnan, GA - \$213M	AWC		■				■		■	
Monongahela River Bridge, Denbo, PA - \$95M	AWC	■		■			■		■	■
Innerbelt Bridge Replacement, Cleveland, OH - \$293M	AWC	■	■	■			■	■	■	■
Allegheny River Bridge Replacement, Cheswick, PA - \$190 M	AWC			■			■	■	■	
I-95/I-295 Northern Interchange, Jacksonville, FL - \$177 M	AWC	■	■			■	■	■	■	■
SR 83 (US331) over Choctawhatchee Bay, Walton County, FL - \$119M	PB	■		■	■	■	■	■	■	■
US 17 Route 33 Bridge Replacements, West Point, VA - \$200M	PB			■	■	■	■	■	■	■
Route 895 Vietnam Veterans Memorial Bridge, Richmond, VA - \$323M	PB	■	■	■	■	■	■	■	■	■
US 17 Churchland Bridge Replacement, Portsmouth, VA - \$30M	PB			■	■	■	■	■	■	■
US 17 Arthur J. Ravanel Jr. Bridge over the Cooper River, Charleston, SC - \$540M	PB	■	■	■	■	■	■	■	■	■
I-75 Widening (from Fowler to SR 56), Tampa, FL - \$96	PB	■	■	■	■	■	■	■	■	■
I-275 Reconstruction from SR 60 to Tampa, FL - \$218M	PB	■	■	■	■	■	■	■	■	■



**I-95 Southbound CD Lanes –  
Rappahannock River Crossing**  
From Exit 130 to 0.66 Miles  
North of Exit 133

## 3.5 Project Risks

The AWC Team has carefully considered the critical elements of work for the I-95 SB CD Lanes – Rappahannock River Crossing project to determine the three most critical project risks. During our evaluation, a number of risks that could impact the success of the project were considered. Following this evaluation, we concluded that **Work Zone Safety, Stormwater Management, and Time of Year Restrictions (TOYRs)** are the three most critical risks to the success of this project. The specific issues associated with these risks are detailed below:

### Risk No 1: Work Zone Safety

#### Risk Identification:

The AWC Team considers the Work Zone Safety the most critical risk associated with the construction of the I-95 SB CD Lanes project. This congested corridor has an annual average daily traffic (AADT) volume of 152,000 vehicles per day (2013), a crash rate from 8% to 76% greater than statewide averages, and average annual traffic growth rates of 2.1%. The congestion currently experienced in the corridor is compounded by the traffic diverges/merges associated with interchanges at Route 3 and US 17 and significant recent development in the corridor. Work zones and changing traffic patterns create a high potential for incidents if MOT is not properly planned and implemented. The substandard interchanges, high volumes between the interchanges, weaving at the interchanges, and access to/from the Welcome Center/Rest Area compound the potential for traffic safety issues. Finally, VDOT is developing several overlapping projects within the I-95 corridor in Stafford County and Fredericksburg, with great potential for confusing public notifications, overlapping work zone signage, and the increased truck traffic due to multiple contractor operations.

#### Why the Work Zone Safety Risk is Critical to the Impacts to the Project:

Interstate projects that involve high volume and high-speed traffic operations immediately adjacent to the work zone always involve risk for the Project Team to provide a safe work environment and to provide for the safe

*The changes in traffic patterns, additional queuing from implementation of the work zone, access to/from the work zone, and maintaining access to/from the Welcome Center / Rest Area are all challenges that must be addressed for this project to be considered successful.*



movement of traffic through the work zone. The changes in traffic patterns, additional queuing from implementation of the work zone, access to/from the work zone, and maintaining access to/from the Welcome Center / Rest Area are all challenges that must be addressed for this project to be considered successful.

The nature of a linear work zone immediately adjacent to high volume and high speed interstate traffic requires careful consideration in developing the maintenance of traffic plan and construction sequencing to provide safe access that minimizes impacts to the traveling public. Construction operations will involve large volumes of earthwork, large cranes for constructing the tall bridge piers and setting girders, along with aggregate and pre-cast wall panels being trucked into the work zone. Delivery of these materials will occur over several months as the subgrade and subbase are constructed leading to the placement of pavement. These trucks will need safe access to/from the work zone during contractor operations. In addition, work activities have greater impact during the summer months in an already congested corridor.

In addition, during bridge construction, a significant challenge will involve the delivery of girders and establishing crane pads in and adjacent to the river channel to facilitate lifting and setting the girders. The existing shoulder of the I-95 southbound bridge over the Rappahannock River provides much needed

access to deliver the girders to the site. However, due to the traffic volumes in this corridor, utilizing this shoulder does pose a risk to workers and motorists.

### **Risk Mitigation Strategy:**

Our Team will implement multiple strategies that we have successfully utilized on previous interstate widening projects and new CD lane projects to mitigate the impact of construction activities on traffic safety and congestion such as:

- Segregation of construction traffic from traveling public
- Off-system construction access points
- Lane closure restrictions based on traffic volumes.

We will use proven strategies to provide construction access to the work zone that will minimize the interface between construction traffic and motorists. In addition, we will develop a public outreach and communications plan, implement appropriate MOT devices, and provide a dedicated MOT maintenance crew that can assist with incidents that may occur. We will leverage these strategies learned from our collective experience in similar congested interstate corridors and apply those innovations as appropriate.

An innovative work zone traffic control access plan is critical on this project due to consistently high traffic volumes within the project corridor. Safe and efficient access to the work zone is needed to advance the construction activities and maintain the project schedule while not further reducing the level of service for motorists. Of course, the construction work zone will be protected with a temporary concrete barrier located at the back of shoulder; however, the barrier will need breaks for access to/from the Welcome Center / Rest Area.

The work zone access component of this risk results from high-speed traffic interfacing with lower speed construction traffic entering/exiting the work zone. AWC has successfully mitigated this risk in a number of ways. For example, we would propose to construct the relocation of Riverside Parkway as an “early action” phase, and then use Riverside Parkway for primary access to the construction zone north of the Rappahannock

*The AWC Team will develop a public outreach and communications plan, implement appropriate MOT devices, and provide a dedicated MOT maintenance crew that can assist with incidents that may occur.*

River. This would eliminate slower speed construction traffic from using I-95 SB to access the work zone, thus reducing construction impacts on SB mainline traffic.

Sight distance and merging conditions at nearby ramps and the Welcome Center / Rest Area will be analyzed in determining all temporary ingress/egress locations. We will work collaboratively with VDOT and the Virginia State Police for to establish incident management protocols and to confirm that the existing crossovers located north of the project area and south of the Cowan Boulevard overpass are sufficient for first responders. Although our primary mitigation measure will be to minimize ingress/egress to the work zone from the mainline, there may be localized areas where access may be required from the mainline travel lanes. On similar projects, we have mitigated this issue by constructing temporary “deceleration ramps” for construction vehicles.

Innovative approaches for addressing the challenges associated with MOT and work zone access will be developed further and discussed with VDOT during the technical proposal phase. Once vetted, these approaches will be presented in detail in the Transportation Management Plan (TMP) to be approved by VDOT prior to initiation of construction activities. The TMP and MOT plans will consider elements including appropriate lane widths, speed limits, signage, pavement markings, tapers, and barrier type/placement. As part of this effort, we will also consider existing I-95 traffic patterns, high crash locations, and peak travel times to develop emergency and incident contingency plans.

Finally, for delivery of new bridge girders for the river crossing, the AWC Team intends to use a temporary shoulder closure on the existing I-95 southbound mainline bridge, as indicated in the Environmental Assessment. This temporary

shoulder closure will be limited to off-peak hours, most likely a nighttime operation.

After initial development of the TMP and MOT plans, the AWC Team will continually evaluate and update these plans as the project conditions warrant. The TMP will be developed as a “living document,” initially describing the design MOT, but during implementation documenting MOT effectiveness and identifying potential issues and methods of improvements. A critical part of our TMP is including extensive communications with the traveling public. An effective Public Communications Plan and a strong public outreach effort will help keep motorists and stakeholders informed of construction progress as well as upcoming changes to traffic patterns.

### **Role of VDOT and other Agencies:**

No additional efforts will be needed by VDOT or other agencies. We welcome active engagement with VDOT staff in review and approval of the final TMP and Incident Management Plan. This will confirm that best practices from VDOT experience are included and implemented. We also recognize VDOT’s providing formal notification to first responders and the traveling public of scheduled lane-closures or other traffic restrictions.



## **Risk No 2: Stormwater Management**

### **Risk Identification:**

The I-95 SB CD Lanes Rappahannock River Crossings project is located in the Rappahannock River-Hazel Run watershed with crossings over the Rappahannock River, Fall Quarry Run, and

Fall Run. Potential issues associated with stormwater management and drainage include: capturing runoff in stormwater management facilities prior to being conveyed offsite; offsite impacts due to increased flows; right-of-way impacts for stormwater management facilities and outfalls; and unforeseen conditions of existing box culverts/pipes to be extended and/or retained.

### **Why the Risk is Critical and the Impacts to the Project:**

Stormwater management is a critical risk to the project due to the need to achieve compliance within the project limits as defined in the NEPA document. Proposed stormwater management locations were not identified in the preliminary RFQ design package. The design of stormwater management facilities poses a risk to the project from a permitting and scheduling standpoint. We anticipate that the project will be grandfathered and will therefore need to comply with Technical Criteria IIC of the stormwater management regulations.

Based on the concept design provided with the RFQ, over 30 acres of land will be disturbed during construction. The anticipated total phosphorus load reduction required will be between 15 lbs/yr and 20 lbs/yr. Although a portion of the project will be considered redevelopment, a large portion of the project will be considered new development, since proposed improvements will be placed in existing forested areas. The most critical area of the project is located at the Rappahannock River, with two large project drainage areas on each approach to the new bridge. Flow from proposed storm sewer systems will need to be captured prior to discharging into the river, to make sure runoff volume and flow velocities are reduced. If the review agency does not approve the stormwater management facilities proposed for the project within the new right-of-way limits presented at the Public Hearing, there is a risk that new locations for stormwater management facilities could require additional right-of-way.

### **Risk Mitigation Strategy:**

For this risk, the project team will identify potential linear stormwater management facility locations along the southbound shoulder, upstream from existing outfalls, and utilize

pretreatment and check dams to achieve water quality and quantity requirements. Locations identified for a larger potential stormwater management facility is the Virginia Welcome Center front parking lot and the open space south of the center's exit. Both are located within VDOT right-of-way. Additional locations identified for larger stormwater management facilities are inside the loops at the intersection of I-95 and Route 17. Confirming if these potential locations are feasible for stormwater facilities will be the first step in the technical design in order to determine where to obtain infiltration rates and water table elevations from early geotechnical investigations.

By considering more practical locations for larger facilities or linear options such as grass channels and quality swales, our team will be able to begin design of the stormwater facilities early in the technical design phase. Early coordination with VDOT will be conducted to determine the preferred type of stormwater management facility to be implemented. Facilities that require high levels of maintenance will be avoided.

Another mitigation strategy our team will consider is to make sure that all water quantity requirements and at least 75% of the water quality requirements are met onsite, and then purchase the remaining water quality nutrient reductions required for compliance. This approach will avoid disturbing additional forested areas for the placement of stormwater management facilities and reduce VDOT's maintenance responsibilities.

### **Role of VDOT and Other Agencies:**

No additional efforts will be needed by VDOT or other agencies. We do anticipate collaboration with VDOT to confirm the types of facilities desired and any access needs for maintenance personnel. VDOT will provide overall approvals on the stormwater management design and participate with regulatory agencies including DEQ and any additional agencies as needed.

## **Risk No 3: Time of Year Restrictions (TOYR)**

### **Risk Identification:**

There are several environmentally sensitive elements within the project corridor including wetlands, streams, adjacent battlefields, and several identified archeological sites that will receive scrutiny during the permitting process. However we feel that the most significant environmental permitting risk is the potential for Time of Year Restrictions (TOYR) associated with threatened and endangered species and anadromous fish in the project area.

### **Why the TOYR Risk is Critical to the Impacts to the Project:**

The TOYR are a critical risk that can potentially impact the project schedule causing delays and work stoppage for activities such as tree clearing and instream construction work in the Rappahannock River.

The Rappahannock River within the Project Area is a Confirmed Anadromous Fish Use Area subject to regulation under the Anadromous Fish Conservation Act. The Virginia Department of Game and Inland Fisheries (VDGIF) Information System identified four species (Blueback Herring, American Shad, Striped Bass, and Hickory Shad) within the Rappahannock River from Rocky Pen Run to the former location of the Embry Dam. Instream work will likely have a time-of-year restriction (TOYR) prohibiting all instream work from February 15 to June 30 or any TOYR recommended by VDGIF and/or Virginia Marine Resources Commission (VMRC). Modifications to the TOYR will require consultation with VDGIF, VMRC, USACE, and potentially NOAA Fisheries Service.

The T&E resources of concern identified in the Environmental Assessment and Natural Resources Technical Report include two listed freshwater mussels (Dwarf Wedgemussel (FE/SE) and Green Floater (ST)), the Northern Long-eared Bat (FT), one Bald Eagle nest, and two listed plants [Harperella (FE/SE) and Small Whorled Pogonia (FT/SE) within two miles of the Build Alternative footprint].

However, the Green Floater and referenced Bald Eagle nest were not identified within the footprint of the Build Alternative, and there is no suitable habitat for *Harperella*. Habitat surveys conducted for the Dwarf Wedgemussel and the Small Whorled Pogonia indicate potential suitable habitat within or proximal to the Southbound CD lanes project area. If Dwarf Wedge Mussels are present within the project limits of disturbance (LOD) either, a TOYR for instream work from March 15 through May 31 and August 15 through October 15 will be imposed or alternatively the mussels within the LOD will need to be translocated. The AWC Team anticipates that a “may affect, not likely to adversely affect” determination for the Northern Long-eared Bat without conservation measures will be obtained from the US Fish & Wildlife Service(USFWS) to avoid TOYR for clearing activities.

If Small Whorled Pogonia are discovered within the LOD, the LOD will need to be modified if possible to avoid disturbance, or, if impacts to small whorled pogonia are deemed unavoidable, a formal Section 7 USFWS Consultation and application for a Take Permit would be required. Obviously, these issues have the greatest potential to impact the project schedule.

### **Risk Mitigation Strategy:**

It appears that presence/absence surveys for Dwarf Wedgemussel and the Small Whorled Pogonia during the applicable time period will need to be conducted for areas of the project limits. In the event that these surveys are not provided by VDOT during the procurement phase, the AWC Team is prepared and qualified to undertake these surveys and agency coordination upon Notice of Award. Depending on the results of the surveys and project technical requirements, the AWC Team will work diligently with VDOT and the regulatory agencies to find the best solution to resolve any schedule conflicts associated with TOYRs for any threatened and endangered species identified during design development.

The AWC team (with EEE Consulting on board) has great working relationships with key agency personnel involving T&E project deliverables, success outcomes, and extensive hands-on agency coordination experience.

*If Dwarf Wedge Mussels are present within the project limits of either disturbance (LOD), a TOYR for instream work from March 15 through May 31 and August 15 through October 15 will be imposed or alternatively the mussels within the LOD will need to be trans-located.*

The AWC team will utilize these relationships with the permitting and resource agencies to initiate early coordination in order to identify specific areas of concern and to develop reasonable solutions to minimize the potential effects of the TOYRs and special conditions on the project schedule and costs. Our assigned environmental permitting personnel are intimately familiar with how the project area’s T&E resources affect the permitting process and environmental commitments.

### **Role of VDOT and other Agencies:**

No additional efforts will be needed by VDOT or other agencies. We anticipate that VDOT will provide documents related to the public process completed in advance of this approval so that proper documentation can be provided to the permitting agencies during final design activities. We welcome VDOT to remain actively engaged in all meetings and coordination with the permitting agencies.

As noted previously, numerous agencies will be involved for review and approval of permits, and will include the USCG, Virginia DEQ, and USACE, as well as their consulting agencies such as the USFW, the NMFS, the EPA, and other Virginia resource agencies.



**I-95 Southbound CD Lanes –  
Rappahannock River Crossing**  
From Exit 130 to 0.66 Miles  
North of Exit 133



**I-95 Southbound CD Lanes –  
Rappahannock River Crossing**  
From Exit 130 to 0.66 Miles  
North of Exit 133

**ATTACHMENT 3.1.2**

**Project: 0095-111-259**

**STATEMENT OF QUALIFICATIONS CHECKLIST AND CONTENTS**

Offerors shall furnish a copy of this Statement of Qualifications (SOQ) Checklist, with the page references added, with the Statement of Qualifications.

<b>Statement of Qualifications Component</b>	<b>Form (if any)</b>	<b>RFQ Cross reference</b>	<b>Included within 15-page limit?</b>	<b>SOQ Page Reference</b>
<b>Statement of Qualifications Checklist and Contents</b>	Attachment 3.1.2	Section 3.1.2	no	Appendix
<b>Acknowledgement of RFQ, Revision and/or Addenda</b>	Attachment 2.10 (Form C-78-RFQ)	Section 2.10	no	Appendix
<b>Letter of Submittal (on Offeror's letterhead)</b>				1-2
Authorized Representative's signature	NA	Section 3.2.1	yes	2
Offeror's point of contact information	NA	Section 3.2.2	yes	1
Principal officer information	NA	Section 3.2.3	yes	1
Offeror's Corporate Structure	NA	Section 3.2.4	yes	2
Identity of Lead Contractor and Lead Designer	NA	Section 3.2.5	yes	2
Affiliated/subsidiary companies	Attachment 3.2.6	Section 3.2.6	no	Appendix
Debarment forms	Attachment 3.2.7(a) Attachment 3.2.7(b)	Section 3.2.7	no	Appendix
Offeror's VDOT prequalification evidence	NA	Section 3.2.8	no	Appendix
Evidence of obtaining bonding	NA	Section 3.2.9	no	Appendix

**ATTACHMENT 3.1.2**

**Project: 0095-111-259**

**STATEMENT OF QUALIFICATIONS CHECKLIST AND CONTENTS**

<b>Statement of Qualifications Component</b>	<b>Form (if any)</b>	<b>RFQ Cross reference</b>	<b>Included within 15-page limit?</b>	<b>SOQ Page Reference</b>
<b>SCC and DPOR registration documentation (Appendix)</b>	Attachment 3.2.10	Section 3.2.10	no	Appendix
Full size copies of SCC Registration	NA	Section 3.2.10.1	no	Appendix
Full size copies of DPOR Registration (Offices)	NA	Section 3.2.10.2	no	Appendix
Full size copies of DPOR Registration (Key Personnel)	NA	Section 3.2.10.3	no	Appendix
Full size copies of DPOR Registration (Non-APELSCIDLA)	NA	Section 3.2.10.4	no	Appendix
<b>DBE statement within Letter of Submittal</b> confirming Offeror is committed to achieving the required DBE goal	NA	Section 3.2.11	yes	2
<b>Offeror's Team Structure</b>				3-7
Identity of and qualifications of Key Personnel	NA	Section 3.3.1	yes	4
Key Personnel Resume – DB Project Manager	Attachment 3.3.1	Section 3.3.1.1	no	Appendix
Key Personnel Resume – Responsible Charge Engineer	Attachment 3.3.1	Section 3.3.1.1	no	Appendix
Key Personnel Resume – Quality Assurance Manager	Attachment 3.3.1	Section 3.3.1.2	no	Appendix
Key Personnel Resume – Design Manager	Attachment 3.3.1	Section 3.3.1.3	no	Appendix
Key Personnel Resume – Construction Manager	Attachment 3.3.1	Section 3.3.1.4	no	Appendix
Key Personnel Resume – Lead Structural Engineer	Attachment 3.3.1	Section 3.3.1.7	no	Appendix
Organizational chart	NA	Section 3.3.2	yes	6

**ATTACHMENT 3.1.2**

**Project: 0095-111-259**

**STATEMENT OF QUALIFICATIONS CHECKLIST AND CONTENTS**

<b>Statement of Qualifications Component</b>	<b>Form (if any)</b>	<b>RFQ Cross reference</b>	<b>Included within 15- page limit?</b>	<b>SOQ Page Reference</b>
Organizational chart narrative	NA	Section 3.3.2	yes	5,7
<b>Experience of Offeror's Team</b>				
Lead Contractor Work History Form	Attachment 3.4.1(a)	Section 3.4	no	Appendix
Lead Designer Work History Form	Attachment 3.4.1(b)	Section 3.4	no	Appendix
<b>Project Risk</b>				11-15
Identify and discuss three critical risks for the Project	NA	Section 3.5.1	yes	11-15



**I-95 Southbound CD Lanes –  
Rappahannock River Crossing**  
From Exit 130 to 0.66 Miles  
North of Exit 133

**ATTACHMENT 2.10****COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF TRANSPORTATION**

RFQ NO. C00101595DB94  
 PROJECT NO.: 0095-111-259

**ACKNOWLEDGEMENT OF RFQ, REVISION AND/OR ADDENDA**

Acknowledgement shall be made of receipt of the Request for Qualifications (RFQ) and/or any and all revisions and/or addenda pertaining to the above designated project which are issued by the Department prior to the Statement of Qualifications (SOQ) submission date shown herein. Failure to include this acknowledgement in the SOQ may result in the rejection of your SOQ.

By signing this Attachment 2.10, the Offeror acknowledges receipt of the RFQ and/or following revisions and/or addenda to the RFQ for the above designated project which were issued under cover letter(s) of the date(s) shown hereon:

1. Cover letter of RFQ – November 1, 2016  
(Date)
2. Cover letter of RFQ Addendum No.1 – December 19, 2016  
(Date)
3. Cover letter of RFQ Addendum No.2 – January 23, 2017  
(Date)

  
 \_\_\_\_\_  
 SIGNATURE

January 24, 2017  
 \_\_\_\_\_  
 DATE

Stephen P. Carter, Jr.  
 \_\_\_\_\_  
 PRINTED NAME

Senior Vice President  
 \_\_\_\_\_  
 TITLE



**I-95 Southbound CD Lanes –  
Rappahannock River Crossing**  
From Exit 130 to 0.66 Miles  
North of Exit 133





**I-95 Southbound CD Lanes –  
Rappahannock River Crossing**  
From Exit 130 to 0.66 Miles  
North of Exit 133

**ATTACHMENT NO. 3.2.7(a)**

**CERTIFICATION REGARDING DEBARMENT  
PRIMARY COVERED TRANSACTIONS**

**Project No.: 0095-111-259**

1) The prospective primary participant certifies to the best of its knowledge and belief, that it and its principals:

a) Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any Federal department or agency.

b) Have not within a three-year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State or local) transaction or contract under a public transaction; and have not been convicted of any violations of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification, or destruction of records, making false statements, or receiving stolen property;

c) Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State or local) with commission of any of the offenses enumerated in paragraph 1) b) of this certification; and

d) Have not within a three-year period preceding this application/proposal had one or more public transactions (Federal, State or local) terminated for cause or default.

2) Where the prospective primary participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this form.

The undersigned makes the foregoing statements to be filed with the proposal submitted on behalf of the Offeror for contracts to be let by the Commonwealth Transportation Board.

 January 6, 2017 Senior Vice President  
Signature Date Title

Archer Western Construction, LLC  
Name of Firm

**ATTACHMENT NO. 3.2.7(b)**

**CERTIFICATION REGARDING DEBARMENT  
LOWER TIER COVERED TRANSACTIONS**

**Project No.: 0095-111-259**

1) The prospective lower tier participant certifies, by submission of this proposal, that neither it nor its principals is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any Federal department or agency.

2) Where the prospective lower tier participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this form.

The undersigned makes the foregoing statements to be filed with the proposal submitted on behalf of the Offeror for contracts to be let by the Commonwealth Transportation Board.

<u><i>Scott A. Lowell</i></u>	<u>January 27, 2017</u>	<u>Vice President</u>
Signature	Date	Title

Parsons Brinckerhoff, Inc.  
Name of Firm

ATTACHMENT NO. 3.2.7(b)

**CERTIFICATION REGARDING DEBARMENT  
LOWER TIER COVERED TRANSACTIONS**

**Project No.: 0095-111-259**

1) The prospective lower tier participant certifies, by submission of this proposal, that neither it nor its principals is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any Federal department or agency.

2) Where the prospective lower tier participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this form.

The undersigned makes the foregoing statements to be filed with the proposal submitted on behalf of the Offeror for contracts to be let by the Commonwealth Transportation Board.

  
Signature

12/16/2016  
Date

Branch Manager  
Title

McDonough Bolyard Peck, Inc. (d/b/a MBP)  
Name of Firm

**ATTACHMENT NO. 3.2.7(b)**

**CERTIFICATION REGARDING DEBARMENT  
LOWER TIER COVERED TRANSACTIONS**

**Project No.: 0095-111-259**

1) The prospective lower tier participant certifies, by submission of this proposal, that neither it nor its principals is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any Federal department or agency.

2) Where the prospective lower tier participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this form.

The undersigned makes the foregoing statements to be filed with the proposal submitted on behalf of the Offeror for contracts to be let by the Commonwealth Transportation Board.

Sarah Huddle      12/19/16      President  
Signature                      Date                      Title

Albright Group Strategic Communications  
Name of Firm

ATTACHMENT NO. 3.2.7(b)

**CERTIFICATION REGARDING DEBARMENT  
LOWER TIER COVERED TRANSACTIONS**

**Project No.: 0095-111-259**

- 1) The prospective lower tier participant certifies, by submission of this proposal, that neither it nor its principals is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any Federal department or agency.
  
- 2) Where the prospective lower tier participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this form.

The undersigned makes the foregoing statements to be filed with the proposal submitted on behalf of the Offeror for contracts to be let by the Commonwealth Transportation Board.

Craig Dever      12/16/16      President  
Signature                      Date                      Title

ERM + Associates LLC  
Name of Firm

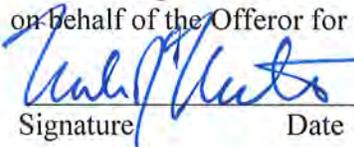
ATTACHMENT NO. 3.2.7(b)

**CERTIFICATION REGARDING DEBARMENT  
LOWER TIER COVERED TRANSACTIONS**

**Project No.: 0095-111-259**

- 1) The prospective lower tier participant certifies, by submission of this proposal, that neither it nor its principals is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any Federal department or agency.
- 2) Where the prospective lower tier participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this form.

The undersigned makes the foregoing statements to be filed with the proposal submitted on behalf of the Offeror for contracts to be let by the Commonwealth Transportation Board.

      12/7/2016      MANAGING PRINCIPAL  
Signature                      Date                                      Title

RHODESIDE & HARWELL, INCORPORATED  
Name of Firm

ATTACHMENT NO. 3.2.7(b)

**CERTIFICATION REGARDING DEBARMENT  
LOWER TIER COVERED TRANSACTIONS**

**Project No.: 0095-111-259**

1) The prospective lower tier participant certifies, by submission of this proposal, that neither it nor its principals is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any Federal department or agency.

2) Where the prospective lower tier participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this form.

The undersigned makes the foregoing statements to be filed with the proposal submitted on behalf of the Offeror for contracts to be let by the Commonwealth Transportation Board.

	11/14/2016	President
Signature	Date	Title

Hassan Water Resources, PLC  
Name of Firm

**ATTACHMENT NO. 3.2.7(b)**

**CERTIFICATION REGARDING DEBARMENT  
LOWER TIER COVERED TRANSACTIONS**

**Project No.: 0095-111-259**

- 1) The prospective lower tier participant certifies, by submission of this proposal, that neither it nor its principals is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any Federal department or agency.
  
- 2) Where the prospective lower tier participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this form.

The undersigned makes the foregoing statements to be filed with the proposal submitted on behalf of the Offeror for contracts to be let by the Commonwealth Transportation Board.

*Sharon Ward Harlow*

Signature

11/29/2016

Date

Sr. Vice President

Title

EEE Consulting, Inc.

Name of Firm

**ATTACHMENT NO. 3.2.7(b)**

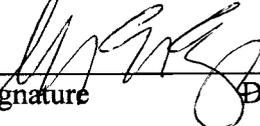
**CERTIFICATION REGARDING DEBARMENT  
LOWER TIER COVERED TRANSACTIONS**

**Project No.: 0095-111-259**

1) The prospective lower tier participant certifies, by submission of this proposal, that neither it nor its principals is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any Federal department or agency.

2) Where the prospective lower tier participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this form.

The undersigned makes the foregoing statements to be filed with the proposal submitted on behalf of the Offeror for contracts to be let by the Commonwealth Transportation Board.

 11/23/16 President & CEO  
Signature Date Title

Harris Miller Miller & Hanson Inc.  
Name of Firm

ATTACHMENT NO. 3.2.7(b)

**CERTIFICATION REGARDING DEBARMENT  
LOWER TIER COVERED TRANSACTIONS**

Project No.: 0095-111-259

1) The prospective lower tier participant certifies, by submission of this proposal, that neither it nor its principals is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any Federal department or agency.

2) Where the prospective lower tier participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this form.

The undersigned makes the foregoing statements to be filed with the proposal submitted on behalf of the Offeror for contracts to be let by the Commonwealth Transportation Board.

Waine O. Sly      11/22/2016      President  
Signature                      Date                      Title

Precision Measurements, Inc.  
Name of Firm

ATTACHMENT NO. 3.2.7(b)

**CERTIFICATION REGARDING DEBARMENT  
LOWER TIER COVERED TRANSACTIONS**

**Project No.: 0095-111-259**

- 1) The prospective lower tier participant certifies, by submission of this proposal, that neither it nor its principals is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any Federal department or agency.
  
- 2) Where the prospective lower tier participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this form.

The undersigned makes the foregoing statements to be filed with the proposal submitted on behalf of the Offeror for contracts to be let by the Commonwealth Transportation Board.

<u><i>JM. Kennedy</i></u>	<u><i>11/22/16</i></u>	<u><i>PRINCIPAL</i></u>
Signature	Date	Title

*CES CONSULTING LLC*  
Name of Firm



**I-95 Southbound CD Lanes –  
Rappahannock River Crossing**  
From Exit 130 to 0.66 Miles  
North of Exit 133



COMMONWEALTH OF VIRGINIA



## CERTIFICATE OF QUALIFICATION

**ARCHER WESTERN CONSTRUCTION, LLC**

Vendor Number: **A210**

In accordance with the Regulations of the Virginia Department of Transportation, your firm is hereby notified that the following Rating has been assigned to your firm:

### PREQUALIFIED

Your firm specializes in the noted Classification(s):

GRADING; MAJOR STRUCTURES;  
PORTLAND CEMENT CONCRETE PAVING; MINOR STRUCTURES

Issue Date: January 31, 2016

This Rating and Classification will Expire: January 31, 2017

  
Suzanne FR Lucas, State Prequalification Officer

It is not permissible to alter this document, use after posted expiration date, or use by persons or firms other than those named on this certificate.

  
Don E. Silies, Director of Contracts



**I-95 Southbound CD Lanes –  
Rappahannock River Crossing**  
From Exit 130 to 0.66 Miles  
North of Exit 133



Travelers Bond  
215 Shuman Blvd.,  
Naperville, IL 60563  
Telephone: (630) 961-7052  
Fax: (630) 961-7020

February 7, 2017

**RE: I-95 Southbound CD Lanes – Rappahannock River Crossing**  
**From: Exit 130**  
**To: 0.66 Miles North of Exit 133**  
**State Project No.: 0095-111-259; Federal Project No.: IM-5111 (235)**  
**Contract ID Number: C00101595DB94**

To Whom It May Concern:

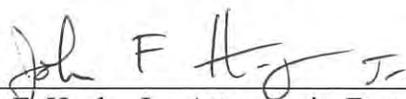
We have been advised that **Archer Western Construction, LLC** is submitting a Request for Qualifications for the above mentioned project. **Travelers Casualty and Surety Company of America** is pleased to recommend **Archer Western Construction, LLC** as a professional, well-financed construction company.

**Travelers Casualty and Surety Company of America** is currently providing **Archer Western Construction, LLC** with bonding support of \$400 million dollars on single contracts and \$8 billion dollars for an aggregate work program. Thus, **Archer Western Construction, LLC** is capable of obtaining 100% Performance Bond and 100% Labor and Materials Payment Bond in the amount of the anticipated cost of construction of approximately \$100,000,000, and said bonds will cover the project and any warranty periods, (per VDOTs Design-Build Standard Template Documents Parts 3, 4, & 5) as provided for in the contract documents on behalf of the Contractor, in the event that **Archer Western Construction, LLC** be the successful bidder and enter into a contract for this project. All issuance of bonds is subject to the review and approval of all contract terms, conditions and bond forms.

**Travelers Casualty and Surety Company of America** is authorized to transact business in all fifty (50) states with a Treasury Listing of \$210,360,000 and is rated A++ XV by A.M. Best Company.

Should you have any questions, or need additional information, please feel free to contact me.

Yours truly,  
**Travelers Casualty and Surety Company of America**

By:   
John F. Healy, Jr., Attorney-in-Fact





POWER OF ATTORNEY

Farmington Casualty Company
Fidelity and Guaranty Insurance Company
Fidelity and Guaranty Insurance Underwriters, Inc.
St. Paul Fire and Marine Insurance Company
St. Paul Guardian Insurance Company

St. Paul Mercury Insurance Company
Travelers Casualty and Surety Company
Travelers Casualty and Surety Company of America
United States Fidelity and Guaranty Company

Attorney-In Fact No. 231629

Certificate No. 007071329

KNOW ALL MEN BY THESE PRESENTS: That Farmington Casualty Company, St. Paul Fire and Marine Insurance Company, St. Paul Guardian Insurance Company, St. Paul Mercury Insurance Company, Travelers Casualty and Surety Company, Travelers Casualty and Surety Company of America, and United States Fidelity and Guaranty Company are corporations duly organized under the laws of the State of Connecticut, that Fidelity and Guaranty Insurance Company is a corporation duly organized under the laws of the State of Iowa, and that Fidelity and Guaranty Insurance Underwriters, Inc., is a corporation duly organized under the laws of the State of Wisconsin (herein collectively called the "Companies"), and that the Companies do hereby make, constitute and appoint

Brian R. Walsh, J. William Ernstrom, Jodi Wallace, Patrick O'Connor, Patricia Collins, Brad Van Wyk, Anne McCullom, and John F. Healy, Jr.

of the City of Chicago, State of Illinois, their true and lawful Attorney(s)-in-Fact, each in their separate capacity if more than one is named above, 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 13th day of December, 2016.

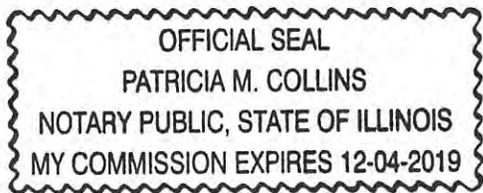
Farmington Casualty Company
Fidelity and Guaranty Insurance Company

St. Paul Mercury Insurance Company
Travelers Casualty and Surety Company

State of Illinois
County of Cook

On this 7 day of February, 2017, before me personally appeared John F. Healy, Jr., known to me to be the Attorney-in-Fact of TRAVELERS CASUALTY AND SURETY COMPANY OF AMERICA, the corporation that executed the within instrument and acknowledged to me that such corporation executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year in this certificate first written above.



Handwritten signature of Patricia M. Collins
Patricia M. Collins

In Witness Whereof, I hereunto set my hand and official seal.
My Commission expires the 30th day of June, 2021.



Handwritten signature of Marie C. Tetreault
Marie C. Tetreault, Notary Public

This Power of Attorney is granted under and by the authority of the following resolutions adopted by the Boards of Directors of Farmington Casualty Company, Fidelity and Guaranty Insurance Company, Fidelity and Guaranty Insurance Underwriters, Inc., St. Paul Fire and Marine Insurance Company, St. Paul Guardian Insurance Company, St. Paul Mercury Insurance Company, Travelers Casualty and Surety Company, Travelers Casualty and Surety Company of America, and United States Fidelity and Guaranty Company, 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 Farmington Casualty Company, Fidelity and Guaranty Insurance Company, Fidelity and Guaranty Insurance Underwriters, Inc., St. Paul Fire and Marine Insurance Company, St. Paul Guardian Insurance Company, St. Paul Mercury Insurance Company, Travelers Casualty and Surety Company, Travelers Casualty and Surety Company of America, and United States Fidelity and Guaranty Company do hereby certify that the above and foregoing is a true and correct copy of the Power of Attorney executed by said Companies, which is in full force and effect and has not been revoked.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed the seals of said Companies this 7 day of February, 20 17

  
Kevin E. Hughes, Assistant Secretary



To verify the authenticity of this Power of Attorney, call 1-800-421-3880 or contact us at [www.travelersbond.com](http://www.travelersbond.com). Please refer to the Attorney-In-Fact number, the above-named individuals and the details of the bond to which the power is attached.



**I-95 Southbound CD Lanes –  
Rappahannock River Crossing**  
From Exit 130 to 0.66 Miles  
North of Exit 133

## ATTACHMENT 3.2.10

### State Project No. 0606-088-653, C501 & 0606-088-622, C501, B634

#### SCC and DPOR Information

Offerors shall complete the table and include the required state registration and licensure information. By completing this table, Offerors certify that their team complies with the requirements set forth in Section 3.2.10 and that all businesses and individuals listed are active and in good standing.

<b>SCC &amp; DPOR INFORMATION FOR BUSINESSES (RFQ Sections 3.2.10.1 and 3.2.10.2)</b>							
<b>Business Name</b>	<b>SCC Information (3.2.10.1)</b>			<b>DPOR Information (3.2.10.2)</b>			
	<b>SCC Number</b>	<b>SCC Type of Corporation</b>	<b>SCC Status</b>	<b>DPOR Registered Address</b>	<b>DPOR Registration Type</b>	<b>DPOR Registration Number</b>	<b>DPOR Expiration Date</b>
Archer Western Construction, LLC	T0437006	Foreign Limited Liability Company	Active	929 W. Adams St. Chicago, IL 60607	Class A Contractor	2705141795	07/31/2017
Parsons Brinckerhoff, Inc.	F0501603	Foreign Corporation	Active	277 Bendix Rd. Suite 300 Virginia Beach, VA 23452	Professional Engineering and Architecture	0411000137	02/28/2017
Parsons Brinckerhoff, Inc.	F0501603	Foreign Corporation	Active	One Penn Plaza 2 <sup>nd</sup> Floor New York, NY 10119	Professional Engineering	0411000637	02/28/2018
Parsons Brinckerhoff, Inc.	F0501603	Foreign Corporation	Active	13530 Dulles Technology Dr. Suite 300 Herndon, VA 20171	Professional Engineering	0411000142	02/28/2018
McDonough Bolyard Peck, Inc. (d/b/a MBP)	03518008	Corporation	Active	3040 Williams Dr. Suite 300 Fairfax, VA 22031	Professional Engineering	0407002955	12/31/2017
The Albright Group	S4682250	Limited Liability Company	Active	N/A	N/A	N/A	N/A
CES Consulting, Inc.	S3416007	Limited Liability Company	Active	13991 Virginia Cedar Ct. Gainesville, VA 20155	Professional Engineering	0407005783	12/31/2017
EEE Consulting, Inc.	05049416	Corporation	Active	201 Church St. Blacksburg, VA 24060	Professional Engineering	0411000435	02/2/2018
EEE Consulting, Inc.	05049416	Corporation	Active	8525 Bell Creek Rd. Mechanicsville, VA 23116	Professional Engineering	0407003798	12/31/2017

## ATTACHMENT 3.2.10

State Project No. 0606-088-653, C501 & 0606-088-622, C501, B634

### SCC and DPOR Information

SCC & DPOR INFORMATION FOR BUSINESSES (RFQ Sections 3.2.10.1 and 3.2.10.2)							
Business Name	SCC Information (3.2.10.1)			DPOR Information (3.2.10.2)			
	SCC Number	SCC Type of Corporation	SCC Status	DPOR Registered Address	DPOR Registration Type	DPOR Registration Number	DPOR Expiration Date
ERM & Associates, LLC	S4315836	Limited Liability Company	Active	N/A	N/A	N/A	N/A
Harris Miller Miller & Hanson	F1451857	Foreign Corporation	Active	N/A	N/A	N/A	N/A
Hassan Water Resources, PLC	S2293282	Limited Liability Company	Active	2255 Parkers Hill Dr. Maidens, VA 23102	Professional Engineering	0413000299	12/31/2017
Precision Measurements, Inc.	04504361	Corporation	Active	851 Seahawk Cr. Suite 103 Virginia Beach, VA 23452	Land Surveying	0407003345	12/21/2017
Rhodeside & Harwell, Inc.	02783561	Corporation	Active	510 King St. Suite 300 Alexandria, VA 22341	Landscape Architecture	0407004045	12/31/2017

## ATTACHMENT 3.2.10

**State Project No. 0606-088-653, C501 & 0606-088-622, C501, B634**

### SCC and DPOR Information

<b>DPOR INFORMATION FOR INDIVIDUALS (RFQ Sections 3.2.10.3 and 3.2.10.4)</b>						
<b>Business Name</b>	<b>Individual's Name</b>	<b>Office Location Where Professional Services will be Provided (City/State)</b>	<b>Individual's DPOR Address</b>	<b>DPOR Type</b>	<b>DPOR Registration Number</b>	<b>DPOR Expiration Date</b>
Archer Western Construction, LLC	Laurence Wadman, PE	Chevy Chase, MD	110 North Millward Rd. Savannah, GA 31410	Professional Engineer	0402018578	07/31/2018
McDonough Bolyard Peck, Inc. (d/b/a MBP)	Ali Abdolahi, PE, CCM	Fairfax, VA	3040 Williams Dr. Suite 300 Fairfax, VA 22031	Professional Engineer	0402031852	01/31/2018
McDonough Bolyard Peck, Inc. (d/b/a MBP)	Fasika Metafria, PE	Fairfax, VA	9507 Meadow Grove Ct. Burke, VA	Professional Engineer	0402051449	05/31/2017
Parsons Brinckerhoff, Inc.	Scott Lovell, PE	Virginia Beach, VA	2641 Lower Greens Place Virginia Beach, VA 23456	Professional Engineer	0402023874	01/31/2019
Parsons Brinckerhoff, Inc.	Derek Piper, PE, AICP, DBIA	Virginia Beach, VA	277 Bendix Road Suite 300 Virginia Beach, VA 23452	Professional Engineer	0402046886	12/31/2017
Parsons Brinckerhoff, Inc.	Rex Gilley, PE	Virginia Beach, VA	5377 Blackwater Loop Virginia Beach, VA 23457	Professional Engineer	0402025213	06/30/2018
Parsons Brinckerhoff, Inc.	David Barnes, PE	Richmond, VA	9341 Summer Walk Pkwy Mechanicsville, VA 23116	Professional Engineer	0402035266	07/31/2017
Parsons Brinckerhoff, Inc.	Joseph Powers, PE	Herndon, VA	13530 Dulles Technology Dr. Suite 300 Herndon, VA 20171	Professional Engineer	0402032130	05/31/2018
Parsons Brinckerhoff, Inc.	Christopher Moore, PE	Virginia Beach, VA	3600 Riverwood Cres. Chesapeake, VA 23322	Professional Engineer	0402051492	02/28/2017
Parsons Brinckerhoff, Inc.	Melissa Simpson, PE	Virginia Beach, VA	3052 Bradwill Rd. Richmond, VA 23225	Professional Engineer	0402049366	12/31/2017

## ATTACHMENT 3.2.10

State Project No. 0606-088-653, C501 & 0606-088-622, C501, B634

### SCC and DPOR Information

DPOR INFORMATION FOR INDIVIDUALS (RFQ Sections 3.2.10.3 and 3.2.10.4)						
Business Name	Individual's Name	Office Location Where Professional Services will be Provided (City/State)	Individual's DPOR Address	DPOR Type	DPOR Registration Number	DPOR Expiration Date
Parsons Brinckerhoff, Inc.	Tim Rayner, PE	Virginia Beach, VA	PO Box 55019 Virginia Beach, VA 23471	Professional Engineer	0402041012	06/30/2017
Parsons Brinckerhoff, Inc.	Ian Chaney, PE	Virginia Beach, VA	4649 Pleasant Avenue Norfolk, VA 23518	Professional Engineer	0402045761	07/31/2017
Parsons Brinckerhoff, Inc.	Kristin Belfield, PE	Virginia Beach, VA	802 Morven Ct. Chesapeake, VA 23322	Professional Engineer	0402054398	05/31/2017
ERM & Associates, LLC	Mark Mastalerz, LA	Warrenton, VA	201 S. Lexington St. Arlington, VA 22204	Landscape Architect	0406000163	01/31/2017
Hassan Water Resources, PLC	Gamal Hassan, PE	Maidens, VA	2255 Parkers Hill Dr. Maidens, VA 23102	Professional Engineer	0402033382	06/30/2017
EEE Consulting, Inc.	Doug Fraser, PG	Mechanicsville, VA	4600 Snowmass Rd. Glen Allen, VA 23060	Professional Geologist	2801000707	08/31/2017
Precision Measurements, Inc.	Kenneth Lietz, LS	Virginia Beach, VA	851 Seahawk Cr. Suite 103 Virginia Beach, VA 23452	Land Surveyor	0403002026	12/31/2018



**I-95 Southbound CD Lanes –  
Rappahannock River Crossing**  
From Exit 130 to 0.66 Miles  
North of Exit 133

Please note: The SCC website will be unavailable Thursday, August 18, from 6 p.m. until 10 p.m., for system maintenance. We apologize for the inconvenience and appreciate your patience.

Alert to corporations regarding unsolicited mailings from VIRGINIA COUNCIL FOR CORPORATIONS is available from the Bulletin Archive link of the Clerk's Office website

Home | Site Map | About SCC | Contact SCC | Privacy Policy



SCC eFile > Entity Search > Entity Details

Login | Create an Account



### SCC eFile Business Entity Details

Help

#### Archer Western Construction, LLC

- SCC eFile
- SCC eFile Home Page
- Check Name Distinguishability
- Business Entity Search
- Certificate Verification
- FAQs
- Contact Us
- Give Us Feedback
- Business Entities
- UCC or Tax Liens
- Court Services
- Additional Services

#### General

SCC ID: T0437006  
 Entity Type: Foreign Limited Liability Company  
 Jurisdiction of Formation: IL  
 Date of Formation/Registration: 6/30/2010  
 Status: Active

#### Select an action

- [File a registered agent change](#)
- [File a registered office address change](#)
- [Resign as registered agent](#)
- [File a principal office address change](#)
- [Pay annual registration fee](#)
- [Order a certificate of fact of registration in Virginia](#)
- [Submit a PDF for processing \(What can I submit?\)](#)
- [View eFile transaction history](#)
- [Manage email notifications](#)

#### Principal Office

929 W ADAMS ST  
 CHICAGO IL60607

#### Registered Agent/Registered Office

CORPORATION SERVICE COMPANY  
 Bank of America Center, 16th Floor  
 1111 East Main Street  
 RICHMOND VA 23219  
 RICHMOND CITY 216  
 Status: Active  
 Effective Date: 4/29/2011

Screen ID: e1000

Need additional information? Contact [scinfo@sc.virginia.gov](mailto:scinfo@sc.virginia.gov) Website questions? Contact: [webmaster@sc.virginia.gov](mailto:webmaster@sc.virginia.gov)

We provide external links throughout our site.

[PDF\(.pdf\) Reader](#) [Excel \(.xls\) Viewer](#) [PowerPoint \(.ppt\) Viewer](#) [Word \(.doc\) Viewer](#)

Build #: 1.0.0.30644

# Commonwealth OF Virginia



## State Corporation Commission

### *CERTIFICATE OF GOOD STANDING*

*I Certify the Following from the Records of the Commission:*

That Parsons Brinckerhoff, Inc., a corporation incorporated under the law of New York, is authorized to transact business in the Commonwealth of Virginia;

That it obtained a certificate of authority to transact business in Virginia from the Commission on February 11, 1986; and

That the corporation is in good standing in the Commonwealth of Virginia as of the date set forth below.

Nothing more is hereby certified.



*Signed and Sealed at Richmond on this Date:*

*March 25, 2013*

*Joel H. Peck*  
\_\_\_\_\_  
*Joel H. Peck, Clerk of the Commission*



## SCC eFile Business Entity Details

[?](#) [Help](#)

### Parsons Brinckerhoff, Inc.

#### SCC eFile

[SCC eFile Home Page](#)  
[Check Name](#)  
[Distinguishability](#)  
[Business Entity Search](#)  
[Certificate Verification](#)  
[FAQs](#)  
[Contact Us](#)  
[Give Us Feedback](#)

#### Business Entities

#### UCC or Tax Liens

#### Court Services

#### Additional Services

#### General

SCC ID: F0501603  
Entity Type: Foreign Corporation  
Jurisdiction of Formation: NY  
Date of Formation/Registration: 2/11/1986  
Status: Active  
Shares Authorized: 30000

#### Select an action

[File a registered agent change](#)  
[File a registered office address change](#)  
[Resign as registered agent](#)  
[File an annual report](#)  
[Pay annual registration fee](#)  
[Order a certificate of good standing](#)  
[View eFile transaction history](#)  
[Manage email notifications](#)

[New Search](#)

[Home](#)

#### Principal Office

ONE PENN PLAZA  
NEW YORK NY10119

#### Registered Agent/Registered Office

CT CORPORATION SYSTEM  
4701 COX ROAD, SUITE 285  
GLEN ALLEN VA 23060  
HENRICO COUNTY 143  
Status: Active  
Effective Date: 10/4/2013

Screen ID: e1000

Need additional information? Contact [sccinfo@scc.virginia.gov](mailto:sccinfo@scc.virginia.gov) Website questions? Contact: [webmaster@scc.virginia.gov](mailto:webmaster@scc.virginia.gov)

We provide external links throughout our site.

[PDF\(.pdf\) Reader](#) [Excel \(.xls\) Viewer](#) [PowerPoint \(.ppt\) Viewer](#) [Word \(.doc\) Viewer](#)

Build #: 1.0.0.30644

# Commonwealth OF Virginia



## State Corporation Commission

### *CERTIFICATE OF GOOD STANDING*

*I Certify the Following from the Records of the Commission:*

That McDonough Bolyard Peck, Inc. is duly incorporated under the law of the Commonwealth of Virginia;

That the date of its incorporation is December 29, 1989;

That the period of its duration is perpetual; and

That the corporation is in existence and in good standing in the Commonwealth of Virginia as of the date set forth below.

Nothing more is hereby certified.



*Signed and Sealed at Richmond on this Date:  
October 20, 2016*

*Joel H. Peck*  
\_\_\_\_\_  
*Joel H. Peck, Clerk of the Commission*



### SCC eFile Business Entity Details

[Help](#)

#### McDonough Bolyard Peck, Inc.

##### SCC eFile

- SCC eFile Home Page
- Check Name
- Distinguishability
- Business Entity Search
- Certificate Verification
- FAQs
- Contact Us
- Give Us Feedback

##### Business Entities

##### UCC or Tax Liens

##### Court Services

##### Additional Services

#### General

SCC ID: 03518008  
 Entity Type: Corporation  
 Jurisdiction of Formation: VA  
 Date of Formation/Registration: 12/29/1989  
 Status: Active  
 Shares Authorized: 250000

#### Select an action

- [File a registered agent change](#)
- [File a registered office address change](#)
- [Resign as registered agent](#)
- [File an annual report](#)
- [Pay annual registration fee](#)
- [Order a certificate of good standing](#)
- [Submit a PDF for processing \(What can I submit?\)](#)
- [View eFile transaction history](#)
- [Manage email notifications](#)

[New Search](#) [Home](#)

#### Principal Office

3040 WILLIAMS DR  
 SUITE 300  
 FAIRFAX VA22031

#### Registered Agent/Registered Office

REES BROOME, PC  
 1900 GALLOWS RD STE 700  
 TYSONS CORNER VA 22182  
 FAIRFAX COUNTY 129  
 Status: Active  
 Effective Date: 9/1/2012

Screen ID: e1000

Need additional information? Contact [sccinfo@scc.virginia.gov](mailto:sccinfo@scc.virginia.gov) Website questions? Contact: [webmaster@scc.virginia.gov](mailto:webmaster@scc.virginia.gov)

We provide external links throughout our site.

- [PDF\(.pdf\) Reader](#)
- [Excel \(.xls\) Viewer](#)
- [PowerPoint \(.ppt\) Viewer](#)
- [Word \(.doc\) Viewer](#)

Build #: 1.0.0.30644

# Commonwealth of Virginia



## STATE CORPORATION COMMISSION

*Richmond, August 31, 2013*

*This is to certify that the certificate of domestication of*

**The Albright Group, LLC**

*was this day issued and admitted to record in this office and that the said limited liability company is authorized to transact its business subject to all Virginia laws applicable to the company and its business. Effective date: August 31, 2013*



*State Corporation Commission*

*Attest:*

*Joel H. Beck*  
Clerk of the Commission



## SCC eFile Business Entity Details

[Help](#)

### The Albright Group, LLC

#### SCC eFile

[SCC eFile Home Page](#)  
[Check Name](#)  
[Distinguishability](#)  
[Business Entity Search](#)  
[Certificate Verification](#)  
[FAQs](#)  
[Contact Us](#)  
[Give Us Feedback](#)

#### Business Entities

#### UCC or Tax Liens

#### Court Services

#### Additional Services

#### General

SCC ID: S4682250  
Entity Type: Limited Liability Company  
Jurisdiction of Formation: VA  
Date of Formation/Registration: 8/31/2013  
Status: Active

#### Select an action

[File a registered agent change](#)  
[File a registered office address change](#)  
[Resign as registered agent](#)  
[File a principal office address change](#)  
[Pay annual registration fee](#)  
[Order a certificate of fact of existence](#)  
[Submit a PDF for processing \(What can I submit?\)](#)  
[View eFile transaction history](#)  
[Manage email notifications](#)

#### Principal Office

1011 EAST MAIN ST STE 310  
RICHMOND VA23219

[New Search](#) [Home](#)

#### Registered Agent/Registered Office

JOHN M HUDDLE  
1011 EAST MAIN ST STE 310  
RICHMOND VA 23219  
RICHMOND CITY 216  
Status: Active  
Effective Date: 8/31/2013

Screen ID: e1000

Need additional information? Contact [sccinfo@scc.virginia.gov](mailto:sccinfo@scc.virginia.gov) Website questions? Contact: [webmaster@scc.virginia.gov](mailto:webmaster@scc.virginia.gov)

We provide external links throughout our site.

[PDF\(.pdf\) Reader](#) [Excel \(.xls\) Viewer](#) [PowerPoint \(.ppt\) Viewer](#) [Word \(.doc\) Viewer](#)

Build #: 1.0.0.30644



## SCC eFile Business Entity Details

[Help](#)

### SCC eFile

[SCC eFile Home Page](#)  
[Check Name](#)  
[Distinguishability](#)  
[Business Entity Search](#)  
[Certificate Verification](#)  
[FAQs](#)  
[Contact Us](#)  
[Give Us Feedback](#)

### Business Entities

### UCC or Tax Liens

### Court Services

### Additional Services

### CES Consulting, LLC

#### General

SCC ID: S3416007  
Entity Type: Limited Liability Company  
Jurisdiction of Formation: VA  
Date of Formation/Registration: 10/14/2010  
Status: Active

#### Principal Office

23475 ROCK HAVEN WAY  
SUITE 255  
DULLES VA20166

#### Registered Agent/Registered Office

AVTAR SINGH  
6773 LEOPOLDS TRAIL  
HAYMARKET VA 20169  
PRINCE WILLIAM COUNTY 176  
Status: Active  
Effective Date: 5/18/2016

#### Select an action

[File a registered agent change](#)  
[File a registered office address change](#)  
[Resign as registered agent](#)  
[File a principal office address change](#)  
[Pay annual registration fee](#)  
[Order a certificate of fact of existence](#)  
[Submit a PDF for processing \(What can I submit?\)](#)  
[View eFile transaction history](#)  
[Manage email notifications](#)

[New Search](#)

[Home](#)

Screen ID: e1000

Need additional information? Contact [sccinfo@scc.virginia.gov](mailto:sccinfo@scc.virginia.gov) Website questions? Contact: [webmaster@scc.virginia.gov](mailto:webmaster@scc.virginia.gov)

We provide external links throughout our site.

[PDF\(.pdf\) Reader](#) [Excel \(.xls\) Viewer](#) [PowerPoint \(.ppt\) Viewer](#) [Word \(.doc\) Viewer](#)

Build #: 1.0.0.30644

# Commonwealth OF Virginia



## State Corporation Commission

### *CERTIFICATE OF GOOD STANDING*

*I Certify the Following from the Records of the Commission:*

That EEE Consulting, Inc. is duly incorporated under the law of the Commonwealth of Virginia;

That the date of its incorporation is June 23, 1998;

That the period of its duration is perpetual; and

That the corporation is in existence and in good standing in the Commonwealth of Virginia as of the date set forth below.

Nothing more is hereby certified.



*Signed and Sealed at Richmond on this Date:  
October 27, 2016*

*Joel H. Peck*  
\_\_\_\_\_  
*Joel H. Peck, Clerk of the Commission*



### SCC eFile Business Entity Details

[Help](#)

#### SCC eFile

- SCC eFile Home Page
- Check Name
- Distinguishability
- Business Entity Search
- Certificate Verification
- FAQs
- Contact Us
- Give Us Feedback

Business Entities

UCC or Tax Liens

Court Services

Additional Services

#### EEE Consulting, Inc.

##### General

SCC ID: 05049416  
 Entity Type: Corporation  
 Jurisdiction of Formation: VA  
 Date of Formation/Registration: 6/23/1998  
 Status: Active  
 Shares Authorized: 333000

##### Select an action

- [File a registered agent change](#)
- [File a registered office address change](#)
- [Resign as registered agent](#)
- [File an annual report](#)
- [Pay annual registration fee](#)
- [Order a certificate of good standing](#)
- [Submit a PDF for processing \(What can I submit?\)](#)
- [View eFile transaction history](#)
- [Manage email notifications](#)

##### Principal Office

8525 BELL CREEK RD  
 MECHANICSVILLE VA23116

[New Search](#)

[Home](#)

##### Registered Agent/Registered Office

CT CORPORATION SYSTEM  
 4701 COX ROAD, SUITE 285  
 GLEN ALLEN VA 23060  
 HENRICO COUNTY 143  
 Status: Active  
 Effective Date: 10/4/2013

Screen ID: e1000

Need additional information? Contact [sccinfo@scc.virginia.gov](mailto:sccinfo@scc.virginia.gov) Website questions? Contact: [webmaster@scc.virginia.gov](mailto:webmaster@scc.virginia.gov)

We provide external links throughout our site.

- [PDF\(.pdf\) Reader](#)
- [Excel \(.xls\) Viewer](#)
- [PowerPoint \(.ppt\) Viewer](#)
- [Word \(.doc\) Viewer](#)

Build #: 1.0.0.30644

# Commonwealth of Virginia



## STATE CORPORATION COMMISSION

*Richmond, December 3, 2012*

*This is to certify that the certificate of organization of*

**ERM & ASSOCIATES, LLC**

*was this day issued and admitted to record in this office and that the said limited liability company is authorized to transact its business subject to all Virginia laws applicable to the company and its business. Effective date: December 3, 2012*



*State Corporation Commission*

*Attest:*

*Joel H. Peck*  
*Clerk of the Commission*



### SCC eFile Business Entity Details

[? Help](#)

#### ERM & ASSOCIATES, LLC

##### SCC eFile

- SCC eFile Home Page
- Check Name
- Distinguishability
- Business Entity Search
- Certificate Verification
- FAQs
- Contact Us
- Give Us Feedback

##### Business Entities

##### UCC or Tax Liens

##### Court Services

##### Additional Services

#### General

SCC ID: S4315836  
 Entity Type: Limited Liability Company  
 Jurisdiction of Formation: VA  
 Date of Formation/Registration: 12/3/2012  
 Status: Active

#### Select an action

- [File a registered agent change](#)
- [File a registered office address change](#)
- [Resign as registered agent](#)
- [File a principal office address change](#)
- [Pay annual registration fee](#)
- [Order a certificate of fact of existence](#)
- [Submit a PDF for processing \(What can I submit?\)](#)
- [View eFile transaction history](#)
- [Manage email notifications](#)

#### Principal Office

7047 WINTERGREEN CT  
 WARRENTON VA20187

[New Search](#) [Home](#)

#### Registered Agent/Registered Office

CRAIG J. ANDERSON  
 15 MAIN STREET  
 WARRENTON VA 20186  
 FAUQUIER COUNTY 130  
 Status: Active  
 Effective Date: 11/30/2016

Screen ID: e1000

Need additional information? Contact [sccinfo@scc.virginia.gov](mailto:sccinfo@scc.virginia.gov) Website questions? Contact: [webmaster@scc.virginia.gov](mailto:webmaster@scc.virginia.gov)

We provide external links throughout our site.

PDF(.pdf) Reader
 Excel (.xls) Viewer
 PowerPoint (.ppt) Viewer
 Word (.doc) Viewer

Build #: 1.0.0.30644

# Commonwealth of Virginia



## STATE CORPORATION COMMISSION

*Richmond, December 6, 2000*

*This is to certify that a certificate of authority to transact business in Virginia was this day issued and admitted to record in this office for*

**Harris Miller Miller & Hanson Inc.**

*a corporation organized under the laws of MASSACHUSETTS and that the said corporation is authorized to transact business in Virginia, subject to all Virginia laws applicable to the corporation and its business.*



*State Corporation Commission*

*Attest:*

*Joel H. Peck*

*Clerk of the Commission*



### SCC eFile Business Entity Details

[Help](#)

#### Harris Miller Miller & Hanson Inc.

##### SCC eFile

- SCC eFile Home Page
- Check Name
- Distinguishability
- Business Entity Search
- Certificate Verification
- FAQs
- Contact Us
- Give Us Feedback

##### Business Entities

##### UCC or Tax Liens

##### Court Services

##### Additional Services

#### General

SCC ID: F1451857  
 Entity Type: Foreign Corporation  
 Jurisdiction of Formation: MA  
 Date of Formation/Registration: 12/6/2000  
 Status: Active  
 Shares Authorized: 300000

#### Select an action

- [File a registered agent change](#)
- [File a registered office address change](#)
- [Resign as registered agent](#)
- [File an annual report](#)
- [Pay annual registration fee](#)
- [Order a certificate of good standing](#)
- [View eFile transaction history](#)
- [Manage email notifications](#)

[New Search](#) [Home](#)

#### Principal Office

77 SOUTH BEDFORD ST  
 BURLINGTON MA01803

#### Registered Agent/Registered Office

C T CORPORATION SYSTEM  
 4701 COX RD STE 285  
 GLEN ALLEN VA 23060  
 HENRICO COUNTY 143  
 Status: Active  
 Effective Date: 6/12/2015

Screen ID: e1000

Need additional information? Contact [sccinfo@scc.virginia.gov](mailto:sccinfo@scc.virginia.gov) Website questions? Contact: [webmaster@scc.virginia.gov](mailto:webmaster@scc.virginia.gov)

We provide external links throughout our site.

- [PDF\(.pdf\) Reader](#)
- [Excel \(.xls\) Viewer](#)
- [PowerPoint \(.ppt\) Viewer](#)
- [Word \(.doc\) Viewer](#)

Build #: 1.0.0.30644

# Commonwealth of Virginia



## STATE CORPORATION COMMISSION

*Richmond, July 16, 2007*

*This is to certify that the certificate of organization of*

**Hassan Water Resources, PLC**

*was this day issued and admitted to record in this office and that the said limited liability company is authorized to transact its business subject to all Virginia laws applicable to the company and its business. Effective date: July 16, 2007*



*State Corporation Commission*

*Attest:*

*Joel H. Peck*  
Clerk of the Commission

Alert to corporations regarding unsolicited mailings from VIRGINIA COUNCIL FOR CORPORATIONS is available from the Bulletin Archive link of the Clerk's Office website

Home | Site Map | About SCC | Contact SCC | Privacy Policy



SCC eFile > Entity Search > Entity Details

[Login](#) | [Create an Account](#)



### SCC eFile Business Entity Details

[?](#) Help

#### Hassan Water Resources, PLC

- SCC eFile
- SCC eFile Home Page
- Check Name
- Distinguishability
- Business Entity Search
- Certificate Verification
- FAQs
- Contact Us
- Give Us Feedback
- Business Entities
- UCC or Tax Liens
- Court Services
- Additional Services

**General**

SCC ID: S2293282  
 Entity Type: Limited Liability Company  
 Jurisdiction of Formation: VA  
 Date of Formation/Registration: 7/16/2007  
 Status: Active

- Select an action
- [File a registered agent change](#)
  - [File a registered office address change](#)
  - [Resign as registered agent](#)
  - [File a principal office address change](#)
  - [Pay annual registration fee](#)
  - [Order a certificate of fact of existence](#)
  - [Submit a PDF for processing \(What can I submit?\)](#)
  - [View eFile transaction history](#)
  - [Manage email notifications](#)

**Principal Office**

2255 PARKERS HILL DR  
 MAIDENS VA23102

[New Search](#) [Home](#)

**Registered Agent/Registered Office**

GAMAL E HASSAN  
 2255 PARKERS HILL DR  
 MAIDENS VA 23102  
 GOOCHLAND COUNTY 137  
 Status: Active  
 Effective Date: 5/4/2010

Screen ID: e1000

Need additional information? Contact [scinfo@sc.virginia.gov](mailto:scinfo@sc.virginia.gov) Website questions? Contact: [webmaster@sc.virginia.gov](mailto:webmaster@sc.virginia.gov)

We provide external links throughout our site.

[PDF \(.pdf\) Reader](#) [Excel \(.xls\) Viewer](#) [PowerPoint \(.ppt\) Viewer](#) [Word \(.doc\) Viewer](#)

Build #: 1.0.0.30644

# Commonwealth of Virginia



## State Corporation Commission

### CERTIFICATE OF GOOD STANDING

*I Certify the Following from the Records of the Commission:*

That PRECISION MEASUREMENTS, INC. is duly incorporated under the law of the Commonwealth of Virginia;

That the date of its incorporation is July 24, 1995;

That the period of its duration is perpetual; and

That the corporation is in existence and in good standing in the Commonwealth of Virginia as of the date set forth below.

Nothing more is hereby certified.



*Signed and Sealed at Richmond on this Date:  
May 23, 2014*

*Joel H. Peck*  
\_\_\_\_\_  
*Joel H. Peck, Clerk of the Commission*

Alert to corporations regarding unsolicited mailings from VIRGINIA COUNCIL FOR CORPORATIONS is available from the Bulletin Archive link of the Clerk's Office website

Home | Site Map | About SCC | Contact SCC | Privacy Policy



SCC eFile > Entity Search > Entity Details

[Login](#) | [Create an Account](#)



### SCC eFile Business Entity Details

[?](#) Help

#### PRECISION MEASUREMENTS, INC.

- SCC eFile
- SCC eFile Home Page
- Check Name
- Distinguishability
- Business Entity Search
- Certificate Verification
- FAQs
- Contact Us
- Give Us Feedback
- Business Entities
- UCC or Tax Liens
- Court Services
- Additional Services

#### General

SCC ID: 04504361  
 Entity Type: Corporation  
 Jurisdiction of Formation: VA  
 Date of Formation/Registration: 7/24/1995  
 Status: Active  
 Shares Authorized: 5000

#### Select an action

- [File a registered agent change](#)
- [File a registered office address change](#)
- [Resign as registered agent](#)
- [File an annual report](#)
- [Pay annual registration fee](#)
- [Order a certificate of good standing](#)
- [Submit a PDF for processing \(What can I submit?\)](#)
- [View eFile transaction history](#)
- [Manage email notifications](#)

[New Search](#) [Home](#)

#### Principal Office

851 SEAHAWK CIRCLE  
 SUITE 103  
 VIRGINIA BEACH VA23452

#### Registered Agent/Registered Office

DOUGLAS W DAVIS  
 WYNGATE BUSINESS PARK  
 516 BAYLOR CT  
 CHESAPEAKE VA 23320  
 CHESAPEAKE CITY 236  
 Status: Active  
 Effective Date: 6/4/2002

Screen ID: e1000

Need additional information? Contact [sccinfo@scc.virginia.gov](mailto:sccinfo@scc.virginia.gov) Website questions? Contact: [webmaster@scc.virginia.gov](mailto:webmaster@scc.virginia.gov)

We provide external links throughout our site.

- [PDF \(.pdf\) Reader](#)
- [Excel \(.xls\) Viewer](#)
- [PowerPoint \(.ppt\) Viewer](#)
- [Word \(.doc\) Viewer](#)

Build #: 1.0.0.30644

# Commonwealth OF Virginia



## State Corporation Commission

### *CERTIFICATE OF GOOD STANDING*

*I Certify the Following from the Records of the Commission:*

That RHODESIDE & HARWELL, INCORPORATED is duly incorporated under the law of the Commonwealth of Virginia;

That the date of its incorporation is November 14, 1985;

That the period of its duration is perpetual; and

That the corporation is in existence and in good standing in the Commonwealth of Virginia as of the date set forth below.

Nothing more is hereby certified.



*Signed and Sealed at Richmond on this Date:  
August 25, 2016*

*Joel H. Peck*

*Joel H. Peck, Clerk of the Commission*



### SCC eFile Business Entity Details

[Help](#)

#### RHODESIDE & HARWELL, INCORPORATED

##### SCC eFile

- SCC eFile Home Page
- Check Name
- Distinguishability
- Business Entity Search
- Certificate Verification
- FAQs
- Contact Us
- Give Us Feedback

##### Business Entities

##### UCC or Tax Liens

##### Court Services

##### Additional Services

##### General

SCC ID: 02783561  
 Entity Type: Corporation  
 Jurisdiction of Formation: VA  
 Date of Formation/Registration: 11/14/1985  
 Status: Active  
 Shares Authorized: 10000

##### Select an action

- [File a registered agent change](#)
- [File a registered office address change](#)
- [Resign as registered agent](#)
- [File an annual report](#)
- [Pay annual registration fee](#)
- [Order a certificate of good standing](#)
- [Submit a PDF for processing \(What can I submit?\)](#)
- [View eFile transaction history](#)
- [Manage email notifications](#)

[New Search](#) [Home](#)

##### Principal Office

510 KING STREET SUITE 300  
 ALEXANDRIA VA22314

##### Registered Agent/Registered Office

CORPORATION SERVICE COMPANY  
 BANK OF AMERICA CENTER, 16TH FLOOR  
 1111 EAST MAIN STREET  
 RICHMOND VA 23219  
 RICHMOND CITY 216  
 Status: Active  
 Effective Date: 10/27/2011

Screen ID: e1000

Need additional information? Contact [sccinfo@scc.virginia.gov](mailto:sccinfo@scc.virginia.gov) Website questions? Contact: [webmaster@scc.virginia.gov](mailto:webmaster@scc.virginia.gov)

We provide external links throughout our site.

- [PDF\(.pdf\) Reader](#)
- [Excel \(.xls\) Viewer](#)
- [PowerPoint \(.ppt\) Viewer](#)
- [Word \(.doc\) Viewer](#)

Build #: 1.0.0.30644

DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION  
COMMONWEALTH OF VIRGINIA

EXPIRES ON  
07-31-2017

9960 Mayland Dr., Suite 400, Richmond, VA 23233  
Telephone: (804) 367-8500

NUMBER  
2705141795

BOARD FOR CONTRACTORS  
CLASS A CONTRACTOR  
\*CLASSIFICATIONS\* BLD H/H

ARCHER WESTERN CONSTRUCTION LLC  
929 W ADAMS ST  
CHICAGO, IL 60607



*Jay W. DeBoer*  
Jay W. DeBoer, Director

ALTERATION OF THIS DOCUMENT, USE AFTER EXPIRATION, OR USE BY PERSONS OR FIRMS OTHER THAN THOSE NAMED MAY RESULT IN CRIMINAL PROSECUTION UNDER THE CODE OF VIRGINIA.

(SEE REVERSE SIDE FOR NAME AND/OR ADDRESS CHANGE)

(POCKET CARD)

COMMONWEALTH OF VIRGINIA  
CLASS A BOARD FOR CONTRACTORS  
CONTRACTOR

\*CLASSIFICATIONS\* BLD H/H  
NUMBER: 2705141795 EXPIRES: 07-31-2017

ARCHER WESTERN CONSTRUCTION LLC  
929 W ADAMS ST  
CHICAGO, IL 60607



(FOUR)

(DETACH HERE)

DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION  
9960 Mayland Dr., Suite 400, Richmond, VA 23233

ALTERATION OF THIS DOCUMENT, USE AFTER EXPIRATION, OR USE BY PERSONS OR FIRMS OTHER THAN THOSE NAMED MAY RESULT IN CRIMINAL PROSECUTION UNDER THE CODE OF VIRGINIA.

COMMONWEALTH of VIRGINIA

Department of Professional and Occupational Regulation

9960 Mayland Drive, Suite 400, Richmond, VA 23233

Telephone: (804) 367-8500

EXPIRES ON

02-28-2018

NUMBER

0411000137

BOARD FOR ARCHITECTS, PROFESSIONAL ENGINEERS, LAND SURVEYORS, CERTIFIED INTERIOR DESIGNERS  
AND LANDSCAPE ARCHITECTS

BUSINESS ENTITY BRANCH OFFICE REGISTRATION

PROFESSIONS: ENG, ARC



PARSONS BRINCKERHOFF INC  
277 BENDIX ROAD  
SUITE 300  
VIRGINIA BEACH, VA 23452



Status can be verified at <http://www.dpor.virginia.gov>

*Jan W. DeBoer*  
Jan W. DeBoer, Director

(SEE REVERSE SIDE FOR PRIVILEGES AND INSTRUCTIONS)

DPOR-LIC (05/2015)

COMMONWEALTH of VIRGINIA

Department of Professional and Occupational Regulation  
9960 Mayland Drive, Suite 400, Richmond, VA 23233  
Telephone: (804) 367-8500

EXPIRES ON

02-28-2018

NUMBER

0411000637

BOARD FOR ARCHITECTS, PROFESSIONAL ENGINEERS, LAND SURVEYORS, CERTIFIED INTERIOR DESIGNERS  
AND LANDSCAPE ARCHITECTS  
BUSINESS ENTITY BRANCH OFFICE REGISTRATION

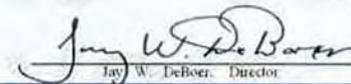
PROFESSIONS: ENG



PARSONS BRINCKERHOFF INC  
ONE PENN PLAZA  
2ND FLOOR  
NEW YORK, NY 10119



Status can be verified at <http://www.dpor.virginia.gov>

  
Jay W. DeBoer, Director

(SEE REVERSE SIDE FOR PRIVILEGES AND INSTRUCTIONS)

DPOR-LIC (05/2015)

COMMONWEALTH of VIRGINIA

Department of Professional and Occupational Regulation

9960 Mayland Drive, Suite 400, Richmond, VA 23233

Telephone: (804) 367-8500

EXPIRES ON  
02-28-2018

NUMBER  
0411000142

BOARD FOR ARCHITECTS, PROFESSIONAL ENGINEERS, LAND SURVEYORS, CERTIFIED INTERIOR DESIGNERS  
AND LANDSCAPE ARCHITECTS  
BUSINESS ENTITY BRANCH OFFICE REGISTRATION

PROFESSIONS: ENG



PARSONS BRINCKERHOFF INC  
13530 DULLES TECHNOLOGY DR STE 300  
HERNDON, VA 20171



*Jay W. DeBoer*  
Jay W. DeBoer, Director

Status can be verified at <http://www.dpor.virginia.gov>

(SEE REVERSE SIDE FOR PRIVILEGES AND INSTRUCTIONS)

DPOR-LIC (05/2015)

COMMONWEALTH of VIRGINIA

Department of Professional and Occupational Regulation

9960 Mayland Drive, Suite 400, Richmond, VA 23233

Telephone: (804) 367-8500

EXPIRES ON

12-31-2017

NUMBER

0407002955

BOARD FOR ARCHITECTS, PROFESSIONAL ENGINEERS, LAND SURVEYORS, CERTIFIED INTERIOR DESIGNERS  
AND LANDSCAPE ARCHITECTS  
BUSINESS ENTITY REGISTRATION

PROFESSIONS: ENG



MCDONOUGH BOLYARD PECK INC  
3040 WILLIAMS DR., STE 300  
FAIRFAX, VA 22031



Status can be verified at <http://www.dpor.virginia.gov>

*Jay W. DeBoer*  
Jay W. DeBoer Director

(SEE REVERSE SIDE FOR PRIVILEGES AND INSTRUCTIONS)

DPOR-LIC (05/2015)

(DETACH HERE)



COMMONWEALTH of VIRGINIA

Department of Professional and Occupational Regulation

BOARD FOR APPLSCIDLA

BUSINESS ENTITY REGISTRATION

NUMBER: 0407002955 EXPIRES: 12-31-2017

PROFESSIONS: ENG

MCDONOUGH BOLYARD PECK INC

3040 WILLIAMS DR., STE 300

FAIRFAX, VA 22031



Status can be verified at <http://www.dpor.virginia.gov>

DPOR-PC (05/2015)

COMMONWEALTH of VIRGINIA

Department of Professional and Occupational Regulation

9960 Mayland Drive, Suite 400, Richmond, VA 23233

Telephone: (804) 367-8500

EXPIRES ON

12-31-2017

NUMBER

0407005783

BOARD FOR ARCHITECTS, PROFESSIONAL ENGINEERS, LAND SURVEYORS, CERTIFIED INTERIOR DESIGNERS  
AND LANDSCAPE ARCHITECTS  
BUSINESS ENTITY REGISTRATION

PROFESSIONS: ENG



CES CONSULTING LLC  
13991 VIRGINIA CEDAR COURT  
GAINESVILLE, VA 20155



*Jan W. DeBoer*  
Jan W. DeBoer, Director

Status can be verified at <http://www.dpor.virginia.gov>

(SEE REVERSE SIDE FOR PRIVILEGES AND INSTRUCTIONS)

DPOR-LIC (05/2015)

(DETACH HERE)

**DPOR** COMMONWEALTH of VIRGINIA  
Department of Professional and Occupational Regulation

BOARD FOR APESCIDLA  
BUSINESS ENTITY REGISTRATION  
NUMBER: 0407005783 EXPIRES: 12-31-2017  
PROFESSIONS: ENG  
CES CONSULTING LLC  
13991 VIRGINIA CEDAR COURT  
GAINESVILLE, VA 20155



(FOLD)

Status can be verified at <http://www.dpor.virginia.gov>

DPOR-PC (05/2015)

COMMONWEALTH of VIRGINIA

Department of Professional and Occupational Regulation

9960 Mayland Drive, Suite 400, Richmond, VA 23233

Telephone: (804) 367-8500

EXPIRES ON

02-28-2018

NUMBER

0411000435

BOARD FOR ARCHITECTS, PROFESSIONAL ENGINEERS, LAND SURVEYORS, CERTIFIED INTERIOR DESIGNERS  
AND LANDSCAPE ARCHITECTS  
BUSINESS ENTITY BRANCH OFFICE REGISTRATION

PROFESSIONS: ENG



EEE CONSULTING INC  
201 CHURCH ST  
BLACKSBURG, VA 24060



Status can be verified at <http://www.dpor.virginia.gov>

*Jay W. DeBoer*  
Jay W. DeBoer, Director

COMMONWEALTH of VIRGINIA

Department of Professional and Occupational Regulation

9960 Mayland Drive, Suite 400, Richmond, VA 23233

Telephone: (804) 367-8500

EXPIRES ON

12-31-2017

NUMBER

0407003798

BOARD FOR ARCHITECTS, PROFESSIONAL ENGINEERS, LAND SURVEYORS, CERTIFIED INTERIOR DESIGNERS  
AND LANDSCAPE ARCHITECTS  
BUSINESS ENTITY REGISTRATION

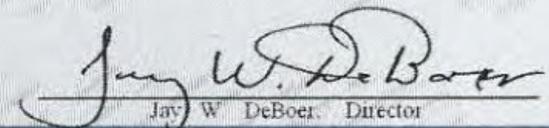
PROFESSIONS: ENG



EEE CONSULTING INC  
8525 BELL CREEK RD  
MECHANICSVILLE, VA 23116



Status can be verified at <http://www.dpor.virginia.gov>

  
Jay W. DeBoer, Director

COMMONWEALTH of VIRGINIA

Department of Professional and Occupational Regulation

9960 Mayland Drive, Suite 400, Richmond, VA 23233

Telephone: (804) 367-8500

EXPIRES ON

12-31-2017

NUMBER

0413000299

BOARD FOR ARCHITECTS, PROFESSIONAL ENGINEERS, LAND SURVEYORS, CERTIFIED INTERIOR DESIGNERS  
AND LANDSCAPE ARCHITECTS  
PROFESSIONAL LIMITED LIABILITY COMPANY

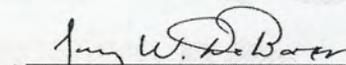
PROFESSIONS: ENG



HASSAN WATER RESOURCES PLC  
HWR  
2255 PARKERS HILL DRIVE  
MAIDENS, VA 23102-2244



Status can be verified at <http://www.dpor.virginia.gov>

  
Jay W. DeBoer, Director

(SEE REVERSE SIDE FOR PRIVILEGES AND INSTRUCTIONS)

DPOR-LIC (05/2015)

COMMONWEALTH of VIRGINIA

Department of Professional and Occupational Regulation

9960 Mayland Drive, Suite 400, Richmond, VA 23233

Telephone: (804) 367-8500

EXPIRES ON

12-31-2017

NUMBER

0407003345

BOARD FOR ARCHITECTS, PROFESSIONAL ENGINEERS, LAND SURVEYORS, CERTIFIED INTERIOR DESIGNERS  
AND LANDSCAPE ARCHITECTS  
BUSINESS ENTITY REGISTRATION

PROFESSIONS: LS



PRECISION MEASUREMENTS INC  
851 SEAHAWK CIR  
SUITE 103  
VIRGINIA BEACH, VA 23452



*Jay W. DeBoer*  
Jay W. DeBoer, Director

Status can be verified at <http://www.dpor.virginia.gov>

(SEE REVERSE SIDE FOR PRIVILEGES AND INSTRUCTIONS)

DPOR-LIC (05/2015)

(DETACH HERE)



COMMONWEALTH of VIRGINIA

Department of Professional and Occupational Regulation

BOARD FOR APESCIDLA  
BUSINESS ENTITY REGISTRATION

NUMBER: 0407003345 EXPIRES: 12-31-2017

PROFESSIONS: LS

PRECISION MEASUREMENTS INC  
851 SEAHAWK CIR  
SUITE 103  
VIRGINIA BEACH, VA 23452



(FOLD)

Status can be verified at <http://www.dpor.virginia.gov>

DPOR-PC (05/2015)

# COMMONWEALTH of VIRGINIA

Department of Professional and Occupational Regulation

9960 Mayland Drive, Suite 400, Richmond, VA 23233

Telephone: (804) 367-8500

EXPIRES ON

12-31-2017

NUMBER

0407004045

BOARD FOR ARCHITECTS, PROFESSIONAL ENGINEERS, LAND SURVEYORS, CERTIFIED INTERIOR DESIGNERS  
AND LANDSCAPE ARCHITECTS  
BUSINESS ENTITY REGISTRATION

PROFESSIONS: LA



RHODESIDE & HARWELL, INCORPORATED  
510 KING STREET STE # 300  
ALEXANDRIA, VA 22314



*Jay W. DeBoer*  
Jay W. DeBoer, Director

Status can be verified at <http://www.dpor.virginia.gov>

(SEE REVERSE SIDE FOR PRIVILEGES AND INSTRUCTIONS)

DPOR-LIC (05/2015)

(DETACH HERE)

**DPOR** COMMONWEALTH of VIRGINIA  
Department of Professional and Occupational Regulation

BOARD FOR APELSCIDLA  
BUSINESS ENTITY REGISTRATION  
NUMBER: 0407004045 EXPIRES: 12-31-2017  
PROFESSIONS: LA  
RHODESIDE & HARWELL, INCORPORATED  
510 KING STREET STE # 300  
ALEXANDRIA, VA 22314



(FOLD)

Status can be verified at <http://www.dpor.virginia.gov>

DPOR-PC (05/2015)

COMMONWEALTH of VIRGINIA

Department of Professional and Occupational Regulation

9960 Mayland Drive, Suite 400, Richmond, VA 23233

Telephone: (804) 367-8500

EXPIRES ON

07-31-2018

NUMBER

0402018578

BOARD FOR ARCHITECTS, PROFESSIONAL ENGINEERS, LAND SURVEYORS, CERTIFIED INTERIOR DESIGNERS  
AND LANDSCAPE ARCHITECTS  
PROFESSIONAL ENGINEER LICENSE



LAURENCE J. WADMAN  
110 NORTH MILLWARD ROAD  
SAVANNAH, GA 31410



*Jay W. DeBoer*  
Jay W. DeBoer, Director

Status can be verified at <http://www.dpor.virginia.gov>

(SEE REVERSE SIDE FOR PRIVILEGES AND INSTRUCTIONS)

DPOR-LIC (05/2015)

(DETACH HERE)



COMMONWEALTH of VIRGINIA  
Department of Professional and Occupational Regulation

BOARD FOR AP/ELSC/DLA  
PROFESSIONAL ENGINEER LICENSE  
NUMBER: 0402018578 EXPIRES: 07-31-2018

LAURENCE J. WADMAN  
110 NORTH MILLWARD ROAD  
SAVANNAH, GA 31410



(FOLD)

Status can be verified at <http://www.dpor.virginia.gov>

DPOR-PC (05/2015)

COMMONWEALTH of VIRGINIA

Department of Professional and Occupational Regulation

9960 Mayland Drive, Suite 400, Richmond, VA 23233

Telephone: (804) 367-8500

EXPIRES ON

01-31-2018

NUMBER

0402031852

BOARD FOR ARCHITECTS, PROFESSIONAL ENGINEERS, LAND SURVEYORS, CERTIFIED INTERIOR DESIGNERS  
AND LANDSCAPE ARCHITECTS  
PROFESSIONAL ENGINEER LICENSE



ALI ABDOLAH  
MCDONOUGH BOLYARD PECK  
3040 WILLIAMS DRIVE  
SUITE 300  
FAIRFAX, VA 22031



*Jay W. DeBoer*  
Jay W. DeBoer Director

Status can be verified at <http://www.dpor.virginia.gov>

(SEE REVERSE SIDE FOR PRIVILEGES AND INSTRUCTIONS)

DPOR-LIC (05/2015)

(DETACH HERE)\*



COMMONWEALTH of VIRGINIA  
Department of Professional and Occupational Regulation

BOARD FOR APESCIDLA  
PROFESSIONAL ENGINEER LICENSE  
NUMBER: 0402031852 EXPIRES: 01-31-2018

ALI ABDOLAH  
MCDONOUGH BOLYARD PECK  
3040 WILLIAMS DRIVE  
SUITE 300  
FAIRFAX, VA 22031



(FOLD)

Status can be verified at <http://www.dpor.virginia.gov>

DPOR-PC (05/2015)

DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION  
COMMONWEALTH OF VIRGINIA

EXPIRES ON

05-31-2017

9960 Mayland Dr., Suite 400, Richmond, VA 23233  
Telephone: (804) 367-8500

NUMBER

0402051449

BOARD FOR ARCHITECTS, PROFESSIONAL ENGINEERS, LAND SURVEYORS, CERTIFIED INTERIOR DESIGNERS  
AND LANDSCAPE ARCHITECTS  
PROFESSIONAL ENGINEER LICENSE

FASIKA AYELE METAFRIA  
9507 MEADOW GROVE CT  
BURKE, VA 22015



*Jay W. DeBoer*  
Jay W DeBoer, Director

ALTERATION OF THIS DOCUMENT, USE AFTER EXPIRATION, OR USE BY PERSONS OR FIRMS OTHER  
THAN THOSE NAMED MAY RESULT IN CRIMINAL PROSECUTION UNDER THE CODE OF VIRGINIA.

(SEE REVERSE SIDE FOR NAME AND/OR ADDRESS CHANGE)

COMMONWEALTH of VIRGINIA

Department of Professional and Occupational Regulation

9960 Mayland Drive, Suite 400, Richmond, VA 23233

Telephone: (804) 367-8500

EXPIRES ON

01-31-2019

NUMBER

0402023874

BOARD FOR ARCHITECTS, PROFESSIONAL ENGINEERS, LAND SURVEYORS, CERTIFIED INTERIOR DESIGNERS  
AND LANDSCAPE ARCHITECTS  
PROFESSIONAL ENGINEER LICENSE



SCOTT A LOVELL  
PB AMERICAS, INC.  
2641 LOWER GREENS PLACE  
VIRGINIA BEACH, VA 23456



*Jay W. DeBor*  
Jay W. DeBor, Director

Status can be verified at <http://www.dpor.virginia.gov>

(SEE REVERSE SIDE FOR PRIVILEGES AND INSTRUCTIONS)

DPOR-LIC (05/2015)

COMMONWEALTH of VIRGINIA

Department of Professional and Occupational Regulation

9960 Mayland Drive, Suite 400, Richmond, VA 23233

Telephone: (804) 367-8500

EXPIRES ON

12-31-2017

NUMBER

0402046886

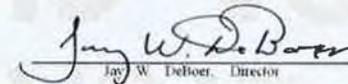
BOARD FOR ARCHITECTS, PROFESSIONAL ENGINEERS, LAND SURVEYORS, CERTIFIED INTERIOR DESIGNERS  
AND LANDSCAPE ARCHITECTS  
PROFESSIONAL ENGINEER LICENSE



DEREK JOHN PIPER  
PB AMERICAS, INC.  
277 BENDIX ROAD  
SUITE 300  
VIRGINIA BEACH, VA 23452



Status can be verified at <http://www.dpor.virginia.gov>

  
Jay W. DeBoer, Director

(SEE REVERSE SIDE FOR PRIVILEGES AND INSTRUCTIONS)

DPOR-LIC (05/2015)

COMMONWEALTH of VIRGINIA

Department of Professional and Occupational Regulation

9960 Mayland Drive, Suite 400, Richmond, VA 23233

Telephone: (804) 367-8500

EXPIRES ON

06-30-2018

NUMBER

0402025213

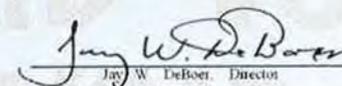
BOARD FOR ARCHITECTS, PROFESSIONAL ENGINEERS, LAND SURVEYORS, CERTIFIED INTERIOR DESIGNERS  
AND LANDSCAPE ARCHITECTS  
PROFESSIONAL ENGINEER LICENSE



REX DARRIN GILLEY  
5377 BLACKWATER LOOP  
VIRGINIA BEACH, VA 23457



Status can be verified at <http://www.dpor.virginia.gov>

  
Jay W. DeBoer, Director

(SEE REVERSE SIDE FOR PRIVILEGES AND INSTRUCTIONS)

DPOR-LIC (05/2015)

**DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION  
COMMONWEALTH OF VIRGINIA**

**EXPIRES ON**  
02-28-2017

9960 Mayland Dr., Suite 400, Richmond, VA 23233  
Telephone: (804) 367-8500

**NUMBER**  
0402051492

BOARD FOR ARCHITECTS, PROFESSIONAL ENGINEERS, LAND SURVEYORS, CERTIFIED INTERIOR DESIGNERS  
AND LANDSCAPE ARCHITECTS  
PROFESSIONAL ENGINEER LICENSE

CHRISTOPHER CRAIG MOORE  
3600 RIVERWOOD CRES  
CHESAPEAKE, VA 23322



*Jan W. DeBoer*  
Jan W. DeBoer, Director

ALTERATION OF THIS DOCUMENT, USE AFTER EXPIRATION, OR USE BY PERSONS OR FIRMS OTHER THAN THOSE NAMED MAY RESULT IN CRIMINAL PROSECUTION UNDER THE CODE OF VIRGINIA.

(SEE REVERSE SIDE FOR NAME AND/OR ADDRESS CHANGE)

DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION  
COMMONWEALTH OF VIRGINIA

EXPIRES ON  
07-31-2017

9960 Mayland Dr., Suite 400, Richmond, VA 23233  
Telephone: (804) 367-8500

NUMBER  
0402035266

BOARD FOR ARCHITECTS, PROFESSIONAL ENGINEERS, LAND SURVEYORS, CERTIFIED INTERIOR DESIGNERS  
AND LANDSCAPE ARCHITECTS  
PROFESSIONAL ENGINEER LICENSE

DAVID HARRIS BARNES  
8341 SUMMER WALK PKWY  
MECHANICSVILLE, VA 23116



*Jay W. DeBoer*  
Jay W. DeBoer, Director

ALTERATION OF THIS DOCUMENT, USE AFTER EXPIRATION, OR USE BY PERSONS OR FIRMS OTHER  
THAN THOSE NAMED MAY RESULT IN CRIMINAL PROSECUTION UNDER THE CODE OF VIRGINIA.

(SEE REVERSE SIDE FOR NAME AND/OR ADDRESS CHANGE)

COMMONWEALTH of VIRGINIA

Department of Professional and Occupational Regulation

9960 Mayland Drive, Suite 400, Richmond, VA 23233

Telephone: (804) 367-8500

EXPIRES ON

05-31-2018

NUMBER

0402032130

BOARD FOR ARCHITECTS, PROFESSIONAL ENGINEERS, LAND SURVEYORS, CERTIFIED INTERIOR DESIGNERS  
AND LANDSCAPE ARCHITECTS  
PROFESSIONAL ENGINEER LICENSE



JOSEPH DONALD POWERS  
PB AMERICAS INC  
13530 DULLES TECHNOLOGY DRIVE  
SUITE 300  
HERNDON, VA 20171



*Jay W. DeBoer*  
Jay W. DeBoer, Director

Status can be verified at <http://www.dpor.virginia.gov>

(SEE REVERSE SIDE FOR PRIVILEGES AND INSTRUCTIONS)

DPOR-LIC (05/2015)

COMMONWEALTH of VIRGINIA

Department of Professional and Occupational Regulation

9960 Mayland Drive, Suite 400, Richmond, VA 23233

Telephone: (804) 367-8500

EXPIRES ON

12-31-2017

NUMBER

0402049366

BOARD FOR ARCHITECTS, PROFESSIONAL ENGINEERS, LAND SURVEYORS, CERTIFIED INTERIOR DESIGNERS  
AND LANDSCAPE ARCHITECTS  
PROFESSIONAL ENGINEER LICENSE



MELISSA JEAN SIMPSON  
3052 BRADWILL RD  
RICHMOND, VA 23225



Status can be verified at <http://www.dpor.virginia.gov>

A handwritten signature in blue ink, reading 'Jay W. DeBoer'.  
Jay W. DeBoer, Director

(SEE REVERSE SIDE FOR PRIVILEGES AND INSTRUCTIONS)

DPOR-LIC (05/2015)

**DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION  
COMMONWEALTH OF VIRGINIA**

EXPIRES ON  
06-30-2017

9960 Mayland Dr., Suite 400, Richmond, VA 23233  
Telephone: (804) 367-8500

NUMBER  
0402041012

BOARD FOR ARCHITECTS, PROFESSIONAL ENGINEERS, LAND SURVEYORS, CERTIFIED INTERIOR DESIGNERS  
AND LANDSCAPE ARCHITECTS  
PROFESSIONAL ENGINEER LICENSE

TIMOTHY RAYMOND RAYNER  
PO BOX 55019  
VIRGINIA BEACH, VA 23471



*Jay W. DeBoer*  
Jay W. DeBoer, Director

ALTERATION OF THIS DOCUMENT, USE AFTER EXPIRATION, OR USE BY PERSONS OR FIRMS OTHER  
THAN THOSE NAMED MAY RESULT IN CRIMINAL PROSECUTION UNDER THE CODE OF VIRGINIA.

(SEE REVERSE SIDE FOR NAME AND/OR ADDRESS CHANGE)

**DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION  
COMMONWEALTH OF VIRGINIA**

**EXPIRES ON  
07-31-2017**

9960 Mayland Dr., Suite 400, Richmond, VA 23233  
Telephone: (804) 367-8500

**NUMBER  
0402045761**

**BOARD FOR ARCHITECTS, PROFESSIONAL ENGINEERS, LAND SURVEYORS, CERTIFIED INTERIOR DESIGNERS  
AND LANDSCAPE ARCHITECTS  
PROFESSIONAL ENGINEER LICENSE**

**IAN JAMES CHANEY  
PARSONS BRINCKERHOFF  
4649 PLEASANT AVENUE  
NORFOLK, VA 23518**



*Jay W. DeBoer*  
Jay W. DeBoer, Director

ALTERATION OF THIS DOCUMENT, USE AFTER EXPIRATION, OR USE BY PERSONS OR FIRMS OTHER THAN THOSE NAMED MAY RESULT IN CRIMINAL PROSECUTION UNDER THE CODE OF VIRGINIA.

**(SEE REVERSE SIDE FOR NAME AND/OR ADDRESS CHANGE)**

DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION  
COMMONWEALTH OF VIRGINIA

EXPIRES ON  
05-31-2017

9960 Mayland Dr., Suite 400, Richmond, VA 23233  
Telephone: (804) 367-8500

NUMBER  
0402054398

BOARD FOR ARCHITECTS, PROFESSIONAL ENGINEERS, LAND SURVEYORS, CERTIFIED INTERIOR DESIGNERS  
AND LANDSCAPE ARCHITECTS  
PROFESSIONAL ENGINEER LICENSE

KRISTIN MARIE BELFIELD  
802 MORVEN COURT  
CHESAPEAKE, VA 23322



*Jay W. DeBoer*  
Jay W. DeBoer, Director

ALTERATION OF THIS DOCUMENT, USE AFTER EXPIRATION, OR USE BY PERSONS OR FIRMS OTHER  
THAN THOSE NAMED MAY RESULT IN CRIMINAL PROSECUTION UNDER THE CODE OF VIRGINIA.

(SEE REVERSE SIDE FOR NAME AND/OR ADDRESS CHANGE)

DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION  
COMMONWEALTH OF VIRGINIA

9960 Mayland Dr., Suite 400, Richmond, VA 23233  
Telephone: (804) 367-8500

EXPIRES ON

01-31-2017

NUMBER

0406000163

BOARD FOR ARCHITECTS, PROFESSIONAL ENGINEERS, LAND SURVEYORS, CERTIFIED INTERIOR DESIGNERS  
AND LANDSCAPE ARCHITECTS  
LANDSCAPE ARCHITECT LICENSE

MARK JEFFREY MASTALERZ  
201 S LEXINGTON ST  
ARLINGTON, VA 22204



*Jay W. DeBoer*  
Jay W. DeBoer, Director

ALTERATION OF THIS DOCUMENT, USE AFTER EXPIRATION, OR USE BY PERSONS OR FIRMS OTHER  
THAN THOSE NAMED MAY RESULT IN CRIMINAL PROSECUTION UNDER THE CODE OF VIRGINIA.

(SEE REVERSE SIDE FOR NAME AND/OR ADDRESS CHANGE)

DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION  
COMMONWEALTH OF VIRGINIA

EXPIRES ON  
06-30-2017

9960 Mayland Dr., Suite 400, Richmond, VA 23233  
Telephone: (804) 367-8500

NUMBER  
0402033382

BOARD FOR ARCHITECTS, PROFESSIONAL ENGINEERS, LAND SURVEYORS, CERTIFIED INTERIOR DESIGNERS  
AND LANDSCAPE ARCHITECTS  
PROFESSIONAL ENGINEER LICENSE

GAMAL ELDIN HASSAN  
2255 PARKERS HILL DR  
MAIDENS, VA 23102



*Jay W. DeBoer*  
Jay W. DeBoer, Director

ALTERATION OF THIS DOCUMENT, USE AFTER EXPIRATION, OR USE BY PERSONS OR FIRMS OTHER  
THAN THOSE NAMED MAY RESULT IN CRIMINAL PROSECUTION UNDER THE CODE OF VIRGINIA.

(SEE REVERSE SIDE FOR NAME AND/OR ADDRESS CHANGE)

DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION  
COMMONWEALTH OF VIRGINIA

EXPIRES ON  
08-31-2017

9960 Mayland Dr., Suite 400, Richmond, VA 23233  
Telephone: (804) 367-8500

NUMBER  
2801000707

BOARD FOR PROFESSIONAL SOIL SCIENTISTS, WETLAND PROFESSIONALS & GEOLOGISTS  
CERTIFIED PROFESSIONAL GEOLOGIST

DOUGLAS ROSS FRASER  
4600 SNOWMASS RD,  
GLEN ALLEN, VA 23060



*Jay W. DeBoer*  
Jay W. DeBoer, Director

ALTERATION OF THIS DOCUMENT, USE AFTER EXPIRATION, OR USE BY PERSONS OR FIRMS OTHER THAN THOSE NAMED MAY RESULT IN CRIMINAL PROSECUTION UNDER THE CODE OF VIRGINIA.

(SEE REVERSE SIDE FOR NAME AND/OR ADDRESS CHANGE)

(POCKET CARD)

COMMONWEALTH OF VIRGINIA  
BOARD FOR PROFESSIONAL SOIL SCIENTISTS, WETLAND  
PROFESSIONALS & GEOLOGISTS  
CERTIFIED PROFESSIONAL GEOLOGIST  
NUMBER: 2801000707 EXPIRES: 08-31-2017

DOUGLAS ROSS FRASER  
4600 SNOWMASS RD  
GLEN ALLEN, VA 23060



(FOLD)

(DETACH HERE)

DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION  
9960 Mayland Dr., Suite 400, Richmond, VA 23233

ALTERATION OF THIS DOCUMENT, USE AFTER EXPIRATION, OR USE BY PERSONS OR FIRMS OTHER THAN THOSE NAMED MAY RESULT IN CRIMINAL PROSECUTION UNDER THE CODE OF VIRGINIA.

COMMONWEALTH of VIRGINIA

Department of Professional and Occupational Regulation

9960 Mayland Drive, Suite 400, Richmond, VA 23233

Telephone: (804) 367-8500

EXPIRES ON  
12-31-2018

NUMBER  
0403002026

BOARD FOR ARCHITECTS, PROFESSIONAL ENGINEERS, LAND SURVEYORS, CERTIFIED INTERIOR DESIGNERS  
AND LANDSCAPE ARCHITECTS  
LAND SURVEYOR LICENSE



KENNETH EDWARD LEITZ  
PRECISION MEASUREMENTS, INC.  
851 SEAHAWK CIRCLE  
SUITE 103  
VIRGINIA BEACH, VA 23452



*Jay W. DeBoer*  
Jay W. DeBoer, Director

Status can be verified at <http://www.dpor.virginia.gov>

(SEE REVERSE SIDE FOR PRIVILEGES AND INSTRUCTIONS)

DPOR-LIC (05/2015)

(DETACH HERE)



COMMONWEALTH of VIRGINIA

Department of Professional and Occupational Regulation

BOARD FOR APPLSCIDLA  
LAND SURVEYOR LICENSE

NUMBER: 0403002026 EXPIRES: 12-31-2018

KENNETH EDWARD LEITZ  
PRECISION MEASUREMENTS, INC.  
851 SEAHAWK CIRCLE  
SUITE 103  
VIRGINIA BEACH, VA 23452



(FOLD)

Status can be verified at <http://www.dpor.virginia.gov>

DPOR-PC (05/2015)



**I-95 Southbound CD Lanes –  
Rappahannock River Crossing**  
From Exit 130 to 0.66 Miles  
North of Exit 133

**ATTACHMENT 3.3.1(a)**

**KEY PERSONNEL RESUME FORM**

<b>Brief Resume of Key Personnel anticipated for the Project.</b>
a. Name & Title: <b>T. Eric Hayes</b> , Senior Project Manager
b. Project Assignment: <b>Design-Build Project Manager</b>
c. Name of all Firms with which you are employed at the time of submitting SOQs. In addition, please denote the type of employment (Full time/Part time): <b>Archer Western Contractors, LLC, Full Time</b>
d. Employment History: With this Firm <b>10</b> Years With Other Firms <b>15</b> Years Please list chronologically (most recent first) your employment history, position, general responsibilities, and duration of employment for the last fifteen (15) years. (NOTE: If you have less than 15 years of employment history, please list the history for those years you have worked. Project specific experience shall be included in Section (g) below): <b>Archer Western Construction 2016 to Present.</b> As Senior Project Manager, Mr. Hayes has corporate oversight responsibilities to deliver multiple projects (or a single larger project) to the expectations of his clients and the AWC ownership. He has direct responsibility for project staffing, schedule, budget, and cost control, subcontractor relations, and provides direction and coordination for Project Managers and other supervisory staff. <b>Walsh Construction Company (Archer Western Affiliate), 2011 to 2016.</b> As Senior Project Manager, Mr. Hayes had corporate oversight responsibilities to deliver multiple projects (or a single larger project) to the expectations of his clients and the Walsh ownership. He has direct responsibility for project staffing, schedule, budget, and cost control, subcontractor relations, and provides direction and coordination for Project Managers and other supervisory staff. <b>Walsh Construction Company (Archer Western Affiliate), 2006 to 2011.</b> As Project Manager, he was assigned to provide on-site project management for specific projects, where he has direct responsibility for project staffing, schedule, budget, and cost control, subcontractor relations, and provides direction and coordination for superintendents and other supervisory staff. Projects where Mr. Hayes' assumed project manager duties were high visibility projects with particular needs that matched well with Mr. Hayes' capabilities. <b>Edward Kraemer &amp; Sons, 2002-2005.</b> As a Field Engineer, Mr. Hayes was directly responsible for providing detailed information to the foreman responsible for constructing the project. He read and interpreted plans, incorporated RFIs and provided field engineering and survey support. <b>Fru-Con, 2001-2002.</b> Field Engineer, Office Engineer: see above
e. Education: Name & Location of Institution(s)/Degree(s)/Year/Specialization: <b>Southern Illinois University, Carbondale, IL/B.A./2002/Construction Management</b>
f. Active Registration: Year First Registered/ Discipline/VA Registration #: <b>N/A</b>
g. Document the extent and depth of your experience and qualifications relevant to the Project. 1. <i>Note your specific responsibilities and authorities for each project, not those of the firm.</i> 2. <i>Note whether experience is with current firm or with other firm.</i> 3. <i>Provide beginning and end dates for each project; projects older than fifteen (15) years will not be considered for evaluation.</i> <b>(List only three (3) relevant projects* for which you have performed a similar function. If additional projects are shown in excess of three (3), the SOQ may be rendered non-responsive. In any case, only the first three (3) projects listed will be evaluated.)</b> * On-call contracts with multiple task orders (on multiple projects) may not be listed as a single project. <b>1. Ohio River Bridges East End Crossing P3, Louisville, KY and IN-Senior Project Manager/Construction Manager 2013-2016, Walsh Construction Company (Archer Western Affiliate)</b> <b>Specific Responsibilities:</b> In his recent role as the Construction Manager of the Cable Stayed Bridge on the \$978 million Ohio River Bridges East End Crossing P3 Project, Eric's responsibilities included: <ul style="list-style-type: none"><li>✓ Daily oversight of field operations</li><li>✓ Management of field engineering staff</li><li>✓ Liaise between design and production</li><li>✓ Manage development of construction engineering and erection manuals</li></ul> This Design, Build, Finance, Operate, and Maintain project is the extension of I-265 from Utica, IN to I-71 in Prospect, KY. The project includes construction of a new cable stay bridge over the Ohio River and 600 meter twin bore tunnel under the Drumanard Estate in Kentucky, two major steel bridges in Kentucky, and other roadwork.

**2. Daniel Boone Bridge, Design-Build, Chesterfield, MO-Senior Project Manager/Program Manager 2012-2014, Walsh Alberici, JV (Archer Western Affiliate)**

**Specific Responsibilities:** In his role as Senior Project Manager/Program Manager of the Daniel Boone DB Bridge Project, Eric's responsibilities included:

- ✓ Leading pursuit efforts including responding to the RFP, managing the estimate
- ✓ Oversight of the design coordination effort
- ✓ Acting in role of Point of Contact during the pursuit
- ✓ Over-sight of field operations on a day to day basis
- ✓ Management of field engineering staff
- ✓ Liaise between design and production

Walsh Construction is the lead joint venture partner for the new I-64 Daniel Boone Bridge Design-Build Project being constructed for the Missouri Department of Transportation. This new construction project of the eastbound bridge spanning over the Missouri River replaces the old westbound bridge built in the 1930's. The project includes removal and replacement of the existing westbound bridge and construction of a new interchange, shared use path, and added lanes that will re-align the existing westbound I-64. This design-build project required the contractor to be responsible for both quality assurance and quality control. Construction highlights include erection of a 13.5 foot tall bridge girders and construction of drilled shafts up to 11.5 feet in diameter with lengths exceeding 100 feet.

**3. Blanchette Bridge Rehabilitation, St. Charles, MO-Senior Project Manager/Program Manager 2011-2013, Walsh Construction Company (Archer Western Affiliate)**

**Specific Responsibilities:** In his role as Senior Project Manager/Program Manager of the Blanchette Bridge Rehabilitation Project, Eric's responsibilities included:

- ✓ Oversight of field operations on a day to day basis
- ✓ Management of field engineering staff
- ✓ Bridge between design and production

A key achievement was guiding the rapid and accurate decision making by the contractor and owner to shorten the closure of our nation's critical links by three months. Walsh Construction completed the repair and rehabilitation of existing westbound I-70 over the Missouri River between St. Louis and St. Charles Counties for the Missouri Department of Transportation (MODOT). The bridge, approximately 4,083 feet long, was constructed in the mid-1950's, and was the subject of a major rehabilitation in the early 1980's and other various rehabilitations and repairs in the subsequent years. Walsh was tasked with replacing all of the concrete deck and barrier walls for the length of the project, major substructure concrete repair, structural steel repair, and complete replacement of three cantilever through truss spans across the Missouri River. This work required a complete closure and re-routing of westbound I-70 during the project. Due to the re-routing of westbound I-70 Walsh and MODOT had to partner with the local community to minimize the impacts. The project team was focused on protecting and maintaining safe pedestrian and bicycle access on the Katy Trail State Park and minimizing patron disruption to the historic downtown St. Charles shopping district. MODOT provided for a maximum of 12 months to complete this work. Walsh and its partners delivered the project in 9 months.

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.

**Current Assignment:** Estimating Department awaiting a project assignment

**Role:** Estimator

**Anticipated Duration:** Present – assigned to a project. Mr. Hayes will participate in the pursuit phase of this project with the intent of being assigned to it after award.

## ATTACHMENT 3.3.1(a)

### KEY PERSONNEL RESUME FORM

<b>Brief Resume of Key Personnel anticipated for the Project.</b>
a. Name & Title: <b>Eugene Ritchie</b> , Senior Project Superintendent
b. Project Assignment: <b>Construction Manager</b>
c. Name of all Firms with which you are employed at the time of submitting SOQs. In addition, please denote the type of employment (Full time/Part time): <b>Archer Western (Walsh Construction sister company)</b>
d. Employment History: With this Firm <u>1</u> Years With Other Firms <u>33</u> Years Please list chronologically (most recent first) your employment history, position, general responsibilities, and duration of employment for the last fifteen (15) years. (NOTE: If you have less than 15 years of employment history, please list the history for those years you have worked. Project specific experience shall be included in Section (g) below):  <b>Archer Western, 2016-Present.</b> Senior Project Superintendent, Mr. Ritchie provides on-site direction for daily activities for various civil infrastructure projects. He is responsible for ensuring compliance with corporate quality, safety, and environmental programs; training; leading the construction team; subcontractor management; managing field work; ensuring that required materials, equipment and personnel were available to ensure successful completion of the assigned tasks and to maintain project productivity within schedule and cost constraints. He is responsible for documentation, reporting, and identifying, managing/mitigating risk on the project, as well as working closely with the project manager to ensure work is coordinated with other superintendents. <b>Kiewit, 2015-2016.</b> Superintendent; see above <b>F.A. Wilhelm, 2013-2015.</b> Senior Project Superintendent; see above <b>M.A. Mortenson, 2011-2013.</b> Civil Superintendent; see above <b>Kiewit, 2008-2011.</b> Superintendent; see above
e. Education: Name & Location of Institution(s)/Degree(s)/Year/Specialization: <b>Purdue University, Lafayette, IN/B.S./1983/Construction Management</b>
f. Active Registration: Year First Registered/ Discipline/VA Registration #: <b>N/A</b>
g. Document the extent and depth of your experience and qualifications relevant to the Project. <ol style="list-style-type: none"><li>1. <i>Note your specific responsibilities and authorities for each project, not those of the firm.</i></li><li>2. <i>Note whether experience is with current firm or with other firm.</i></li><li>3. <i>Provide beginning and end dates for each project; projects older than fifteen (15) years will not be considered for evaluation.</i></li></ol> <b>(List only three (3) relevant projects* for which you have performed a similar function. If additional projects are shown in excess of three (3), the SOQ may be rendered non-responsive. In any case, only the first three (3) projects listed will be evaluated.)</b> * On-call contracts with multiple task orders (on multiple projects) may not be listed as a single project. <ol style="list-style-type: none"><li>1. <b>Intercounty Connector, Silver Spring, MD-Construction Manager 2009-2011, Kiewit</b> <b>Specific Responsibilities:</b> As Construction Manager, Eugene was responsible for day-to-day direction of construction operations. His specific tasks included:<ul style="list-style-type: none"><li>✓ Collaboration with designers for design development</li><li>✓ Management of subcontractor and supplier solicitations</li><li>✓ Selection of the means and methods for self-performed work</li><li>✓ Cost control for self-performed and subcontracted work</li><li>✓ Development/maintenance of the construction schedule</li><li>✓ Equipment/material procurement</li><li>✓ Frequent and open dialogue with the owner's representative</li></ul>ICC Contract B was a \$550 million, 7-mile highway project connecting two Washington D.C. metropolitan areas. The project included the challenges of balancing an aggressive job schedule with exceeding the tough erosion and sediment control standards of Maryland throughout several stream valleys and a 2-mile-long environmental special protection area.</li><li>2. <b>Arkendale to Powell's Creek 3rd Track, Stafford, VA-Construction Manager 2015-2016, Kiewit</b> <b>Specific Responsibilities:</b> As Construction Manager, Eugene was responsible for day-to-day direction of construction operations. His specific tasks included:</li></ol>

- ✓ Collaboration with designers for design development
- ✓ Management of subcontractor and supplier solicitations
- ✓ Selection of the means and methods for self-performed work
- ✓ Cost control for self-performed and subcontracted work
- ✓ Development/maintenance of the construction schedule
- ✓ Equipment/material procurement
- ✓ Frequent and open dialogue with the owner's representative

The project consisted of 11 miles of railroad track and three bridges built to VDOT specifications

3. **I-405 Sepulveda Pass Widening, Los Angeles, CA-Construction Manager 2007-2009, Kiewit**

**Specific Responsibilities:** As Construction Manager, Eugene was responsible for day-to-day direction of construction operations. His specific tasks included:

- ✓ Collaboration with designers for design development
- ✓ Management of subcontractor and supplier solicitations
- ✓ Selection of the means and methods for self-performed work
- ✓ Cost control for self-performed and subcontracted work
- ✓ Development/maintenance of the construction schedule
- ✓ Equipment/material procurement
- ✓ Frequent and open dialogue with the owner's representative

This \$721 million design-build project involved constructing one 10-mile, high-occupancy vehicle lane northbound on Interstate 405 from Interstate 10 to U.S.-101. The project realigned existing on and off ramps, reconstructed or modified 23 bridge and ramp structures, built approximately 18 miles of retaining walls, and performed road improvements on the adjacent city streets.

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.

**Current Assignment:** Estimating Department awaiting a project assignment

**Role:** Estimator

**Anticipated Duration:** Present – assigned to a project. Mr. Ritchie will participate in the pursuit phase of this project with the intent of being assigned to it after award.

## ATTACHMENT 3.3.1(a)

### KEY PERSONNEL RESUME FORM

<b>Brief Resume of Key Personnel anticipated for the Project.</b>
a. Name & Title: <b>Laurence Wadman, PE</b> Senior Project Manager
b. Project Assignment: <b>Responsible Charge Engineer</b>
c. Name of all Firms with which you are employed at the time of submitting SOQs. In addition, please denote the type of employment (Full time/Part time): <b>Archer Western, Full Time</b>
d. Employment History: With this Firm <u>1</u> Years With Other Firms <u>39</u> Years Please list chronologically (most recent first) your employment history, position, general responsibilities, and duration of employment for the last fifteen (15) years. (NOTE: If you have less than 15 years of employment history, please list the history for those years you have worked. Project specific experience shall be included in Section (g) below): <b>Archer Western Construction, 2015-Present.</b> As Senior Project Manager, Mr. Wadman has corporate oversight responsibilities to deliver multiple projects (or a single larger project) to the expectations of his clients and the AWC ownership. He has direct responsibility for project staffing, schedule, budget, and cost control, subcontractor relations, and provides direction and coordination for Project Managers and other supervisory staff. <b>TIC-The Industrial Company, 1996-2015.</b> As a Senior Construction Manager/Program Manager, Mr. Wadman had corporate oversight responsibilities to deliver multiple projects (or a single larger project) to the expectations of his clients and the company ownership. He has direct responsibility for project staffing, schedule, budget/cost control, subcontractor relations, and provides direction and coordination for Project Managers and other supervisory staff.
e. Education: Name & Location of Institution(s)/Degree(s)/Year/Specialization: <b>University of Delaware, Newark, DE-B.S./1977/Civil Engineering</b>
f. Active Registration: Year First Registered/ Discipline/VA Registration #: <b>1983/Professional Engineer/DE #6137; 2002/Professional Engineer/SC #2017; 1988/Professional Engineer/VA #0402018578; 2000/Professional Engineer/GA #026426</b>
g. Document the extent and depth of your experience and qualifications relevant to the Project. 1. <i>Note your specific responsibilities and authorities for each project, not those of the firm.</i> 2. <i>Note whether experience is with current firm or with other firm.</i> 3. <i>Provide beginning and end dates for each project; projects older than fifteen (15) years will not be considered for evaluation.</i> <b>(List only three (3) relevant projects* for which you have performed a similar function. If additional projects are shown in excess of three (3), the SOQ may be rendered non-responsive. In any case, only the first three (3) projects listed will be evaluated.)</b> * On-call contracts with multiple task orders (on multiple projects) may not be listed as a single project. <b>1. CSX-Bridge 2A Bridge Replacement, Baltimore, MD-Design Build Project Manager/Sponsor 2012-2013, TIC-The Industrial Company</b> <b>Specific Responsibilities:</b> Design-Build Project Manager for an internal joint Venture within Kiewit. He led the estimate and proposal phase. He was responsible for the following: <ul style="list-style-type: none"><li>✓ Identifying project stakeholders</li><li>✓ Establishing client's expectations and role</li><li>✓ Confirming the scope of work</li><li>✓ Allocating and identifying the ideal project team</li><li>✓ Preparing the cost estimate based on area and scope of work</li><li>✓ Identifying all standards, codes, and benchmarks</li><li>✓ Maintaining and establishing channels of communication</li></ul> This project replaced a 190-foot pinned truss over 4 electrified AMTRAK tracks during a 40 hour shutdown. During the replacement the new through plate girder span was rolled longitudinally into the existing truss and the existing truss was rolled out using the new span. The new steel span weighed 800 tons. Temporary runways, Hilman rollers, hydraulic cylinders, and air tuggers were used to move spans. <b>2. Replacement Bridge over the New River, SCDOT, Bluffton, SC-Senior Construction Manager 2005-2006, TIC-The Industrial Company</b> <b>Specific Responsibilities:</b> As the Senior Construction Manager, Larry supervised and directed project team during all phases of construction. He was responsible for: <ul style="list-style-type: none"><li>✓ Attending meetings (mitigating conflict between construction and right-of-way agreements)</li><li>✓ Selecting field testing methods and inspection techniques</li></ul>

- ✓ Making assignments, supervising, and providing technical advice to Inspectors
- ✓ Inspecting work in progress to ensure that the quality of workmanship and materials conform with plans/specifications in accordance with the terms of the contract
- ✓ Organizing site visits at appropriate stages of construction
- ✓ Developing reports and additional construction documents relative to the status of the project

This bridge project included the replacement of an existing 480-foot long bridge with .412 miles of roadway over the New River. The construction was phased in order to maintain existing traffic patterns. Substructure included driven concrete piles with cast in place caps. Precast concrete beams support a concrete deck.

3. **Replacement Bridge over the Turkey Creek, SCDOT, Hanahan, SC-Senior Construction Manager 2004, TIC-The Industrial Company**

**Specific Responsibilities:** As the Senior Construction Manager, Larry supervised and directed the project team during all phases of construction. He was responsible for the following:

- ✓ Attending meetings (mitigating conflict between construction and right-of-way agreements)
- ✓ Selecting field testing methods and inspection techniques
- ✓ Making assignments, supervising, and providing technical advice to Inspectors
- ✓ Inspecting work in progress to ensure that the quality of workmanship and materials conform with plans/specifications in accordance with the terms of the contract
- ✓ Organizing site visits at appropriate stages of construction
- ✓ Developing reports and additional construction documents relative to the status of the project

This bridge replacement consisted of a 150-foot bridge over Turkey Creek. It is a main roadway between two public schools. Work was performed during summer school break in order to mitigate traffic. The substructure included concrete piles with caps, and a flat span cast in place concrete deck.

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.

**Current Assignment:** Estimating Department awaiting a project assignment

**Role:** Estimator

**Anticipated Duration:** Present – assigned to a project. Mr. Wadman will participate in the pursuit phase of this project with the intent of being assigned to it after award.

## ATTACHMENT 3.3.1(a)

### KEY PERSONNEL RESUME FORM

<b>Brief Resume of Key Personnel anticipated for the Project.</b>
a. Name & Title: <b>Derek J. Piper, PE, AICP, DBIA</b> Assistant Vice President, Senior Project Manager
b. Project Assignment: <b>Design Manager, Design QA/QC Manager</b>
c. Name of all Firms with which you are employed at the time of submitting SOQs. In addition, please denote the type of employment (Full time/Part time): <b>WSP   Parsons Brinckerhoff, Full Time.</b>
d. Employment History: With this Firm <b>20</b> Years With Other Firms <b>11</b> Years Please list chronologically (most recent first) your employment history, position, general responsibilities, and duration of employment for the last fifteen (15) years. (NOTE: If you have less than 15 years of employment history, please list the history for those years you have worked. Project specific experience shall be included in Section (g) below): <b>WSP   Parsons Brinckerhoff, 1996-Present.</b> Derek Piper has 31 years of engineering experience, including 20 years managing complex highway/roadway/bridge improvement projects for VDOT, PennDOT, SCDOT and numerous local governments. From 1999-2009, Mr. Piper held progressively responsible positions (including Sr. Project Manager, Manager of Engineering & Planning, and Area Manager) for Parsons Brinckerhoff in Columbia, SC. In 2009, Derek relocated to the Virginia Beach office to serve in a design management role on the Elizabeth River Tunnels Project. His technical specialties include program/project management, highway and intersection design, traffic data analysis; stormwater management plan development, environmental permitting, utility coordination, and utility design. His responsibilities as a Design Manager have included coordinating the individual design disciplines, ensuring overall project design is in conformance with contract documents and delivered on time and within budget. He is responsible for conducting quality reviews for all deliverables and ensuring client satisfaction. He has established working relationships with VDOT/FHWA staff and permitting agency staff.
e. Education: Name & Location of Institution(s)/Degree(s)/Year/Specialization: <b>University of Pittsburgh, Pittsburgh, PA/B.S./ 1985 /Civil Engineering</b>
f. Active Registration: Year First Registered/ Discipline/VA Registration #: <b>2009/Professional Engineer/VA #0402046886; 2000/Certified Planner/017279; 1990/Professional Engineer/Pennsylvania #039967-E</b>
g. Document the extent and depth of your experience and qualifications relevant to the Project. <ol style="list-style-type: none"><li>1. <i>Note your role, responsibility, and specific job duties for each project, not those of the firm.</i></li><li>2. <i>Note whether experience is with current firm or with other firm.</i></li><li>3. <i>Provide beginning and end dates for each project; projects older than fifteen (15) years will not be considered for evaluation.</i></li></ol> <p><b>(List only three (3) relevant projects* for which you have performed a similar function. If additional projects are shown in excess of three (3), the SOQ may be rendered non-responsive. In any case, only the first three (3) projects listed will be evaluated. Provide references for each of the three (3) projects using Key Personnel References form-Attachment 3.3.1(b))</b></p> <p>* On-call contracts with multiple task orders (on multiple projects) may not be listed as a single project.</p> <p><b>1. VDOT, I-264 Widening and Martin Luther King Highway (MLK) Extension Final Design - Design-Build, Portsmouth, VA – Design Manager, May 2012 – March 2017 (Anticipated), WSP   Parsons Brinckerhoff</b></p> <p><b>Specific Responsibilities:</b> Mr. Piper served as the Design Manager for over \$200M worth of improvements to I-264 and including the MLK Extension in urban Portsmouth, VA during both the final design and continuing into construction. <b>Mr. Piper’s responsibilities for this project included:</b></p> <ul style="list-style-type: none"><li>✓ Managing final roadway, structure and bridge design, TMP and maintenance of traffic plan development; water quality and stormwater permitting, aesthetic treatments design, utility coordination and in contract utility relocation design (water and sewer)</li><li>✓ Managing a team of 25+ WSP   Parsons Brinckerhoff design staff and 13 subconsultants</li><li>✓ Coordinating design and right-of-way issues with the D-B Contractor and VDOT</li><li>✓ Ensuring project design in conformance with the contract documents</li><li>✓ Establishing and overseeing a QA/QC program for the disciplines involved in the design of the project, including review of the design, working plans, shop drawings, specifications, and constructability for the project</li></ul> <p><b>The design for this project is complete.</b> Construction is over 99% complete. Derek led WSP   Parsons Brinckerhoff’s efforts providing design support during construction, including shop drawing reviews, preparing responses to RFIs, and As-Built documentation for the overall Elizabeth River Tunnels Project including the I-264 Widening/MLK Extension. Specific scope elements included:</p> <ul style="list-style-type: none"><li>✓ Widening of I-264 to accommodate the new interchange at MLK Extension</li><li>✓ The design of the MLK Extension including an approximately 3,900-foot multi-lane mainline bridge over urban Portsmouth and CSX’s Portsmouth Yard</li></ul>

- ✓ Five new bridges carrying I-264 ramps, two I-264 bridge widenings including widening the existing bridge over N&PBL railroad
- ✓ 11 stormwater ponds/basins (including significant aesthetic treatments);
- ✓ Three noise barriers
- ✓ Significant overhead guide signage; landscaping and aesthetic treatments
- ✓ Replacement/upgrades to the ITS system along I-264 and new ITS systems along the MLK Extension

**2. VDOT, Downtown Tunnel (DTT), Midtown Tunnel (MTT), and MLK Extension Preliminary Design, Design-Build, Norfolk and Portsmouth, VA – Deputy Design Manager, May 2010 – May 2012, WSP / Parsons Brinckerhoff**

**Specific Responsibilities:** Mr. Piper was the Deputy Design Manager for preliminary design development and permitting for the Elizabeth River Tunnels Project. In this role, he:

- ✓ Led roadway design, stormwater management design, utility relocation (in contract water and sewer) design, significant environmental permitting and agency coordination with USACE, USCG, and VDEQ for dredging, dredge material disposal, wetlands impacts, and federal channel impacts during construction, and preparation of a NADR for the overall Elizabeth River Tunnels Project.
- ✓ Led preliminary design development for the I-264 Widening and MLK Extension (involving \$200M worth of improvements to I-264 and the MLK Extension in urban Portsmouth, VA), serving as Design Manager for this component of the overall Elizabeth River Tunnels Project. In this role, Mr. Piper led a PB design team of 20+ staff and 8 subconsultants. Specific scope elements included widening of I-264 to accommodate the new interchange at MLK Extension and the design of the MLK Extension including:
  - An 3,900-foot multi-lane mainline bridge over urban Portsmouth and CSX's Portsmouth Yard
  - Five new bridges carrying I-264 ramps:
  - Two I-264 bridge widenings including widening the existing bridge over N&PBL railroad
  - MOT plans for the overall project
  - 11 stormwater ponds/basins (including significant aesthetic treatments)
  - Three noise barriers
  - Significant overhead guide signage
  - Landscaping and aesthetic treatments
  - ITS system replacement/upgrades along I-264
  - Design of approach roadways to accommodate the new Midtown Tunnel.
- ✓ Was directly involved with water quality and stormwater permitting, involving 21 acres of impacts to subaqueous river bottom.
- ✓ Was responsible for project design in conformance with the contract documents.
- ✓ Established and oversaw a QA/QC program for the disciplines involved in the design of the project including review of the design drawings.

**The design for this project was completed in June 2011, with permitting continuing through May 2012.**

Construction is over 80% complete and scheduled for completion by March 2017. Derek is currently leading Parsons Brinckerhoff efforts providing design support during construction, including shop drawing reviews, preparing responses to RFIs, and As-Built documentation for the overall Elizabeth River Tunnels Project including the I-264 Widening/MLK Extension.

**3. US 17 Dominion Boulevard Widening and Bridge Improvements, Chesapeake, VA – Design QA/QC, July 2009 – January 2014, WSP / Parsons Brinckerhoff**

**Specific Responsibilities:** Mr. Piper performed QA/QC of roadway plans for this \$188M improvement to US 17. In this role, he:

- ✓ Provided formal review of the design plans, including roadway widening, intersections, stormwater management and drainage collection systems, MOT and utility relocations.
- ✓ Coordinated plan reviews with various discipline leads and provided constructability comments to improve traffic control and reduce property impacts.

The project involved roadway widening under heavy traffic volumes and converted an existing two-lane suburban roadway into a four-lane controlled access facility. The project design included a phased TMP/MOT plan to construct grade-separated interchanges while maintaining existing traffic flows at the major intersections with US 17. The project included a 6,200-foot mainline bridge crossing the Elizabeth River, six new stormwater management facilities; modifications to both lengthen and convert an existing twin-cell box culvert to a triple-cell box culvert; stream modifications; 120,000-square-feet of MSE retaining wall at 20 locations; two noise barriers; and significant utility relocations. **The design for this project is complete.** Construction is over 95% complete.

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. N/A

## ATTACHMENT 3.3.1(a)

### KEY PERSONNEL RESUME FORM

<b>Brief Resume of Key Personnel anticipated for the Project.</b>
a. Name & Title: <b>Rex Gilley, PE</b> , Structural Engineering Manager
b. Project Assignment: <b>Lead Structural Engineer</b>
c. Name of all Firms with which you are employed at the time of submitting SOQs. In addition, please denote the type of employment (Full time/Part time): <b>WSP   Parsons Brinckerhoff, Full Time</b>
d. Employment History: With this Firm <b>17</b> Years With Other Firms <b>9</b> Years Please list chronologically (most recent first) your employment history, position, general responsibilities, and duration of employment for the last fifteen (15) years. (NOTE: If you have less than 15 years of employment history, please list the history for those years you have worked. Project specific experience shall be included in Section (g) below): <b>WSP   Parsons Brinckerhoff, 1999-Present.</b> Rex has 26 years of progressively responsible engineering design experience, including the last 24 years which have been focused on VDOT projects as well as Locally Administered Projects utilizing VDOT standards. He has served as Lead Structural Engineer on projects as well as Project Manager on VDOT's 2008 Bridge On-call which resulted in 13 bridge replacements. His technical experience includes structural engineering of bridge structures over active navigable channels, major highway structures, retaining walls, overhead sign structures, design of new fender systems, in addition to design of various foundation types for transportation structures. His work includes preliminary and final design of reinforced concrete, prestressed concrete, and structural steel elements on complex, environmentally sensitive, bridge structures in order to improve capacity, enhance safety, and improve ability for emergency/evacuation routes. In addition, he also has construction phase experience which provides valuable insight in producing and coordinating designs that incorporate both owner standards and contractor preferences.
e. Education: Name & Location of Institution(s)/Degree(s)/Year/Specialization: <b>University of Tennessee, Knoxville, TN/M.S./1991/Civil Engineering; University of Memphis, Memphis, TN /B.S./1988/Civil Engineering</b>
f. Active Registration: Year First Registered/ Discipline/VA Registration #: <b>1994/Professional Engineer/VA #04020225213</b>
g. Document the extent and depth of your experience and qualifications relevant to the Project. <ol style="list-style-type: none"><li>1. <i>Note your role, responsibility, and specific job duties for each project, not those of the firm.</i></li><li>2. <i>Note whether experience is with current firm or with other firm.</i></li><li>3. <i>Provide beginning and end dates for each project; projects older than fifteen (15) years will not be considered for evaluation.</i></li></ol> <p><b>(List only three (3) relevant projects* for which you have performed a similar function. If additional projects are shown in excess of three (3), the SOQ may be rendered non-responsive. In any case, only the first three (3) projects listed will be evaluated. Provide references for each of the three (3) projects using Key Personnel References form-Attachment 3.3.1(b))</b></p> <p>* On-call contracts with multiple task orders (on multiple projects) may not be listed as a single project.</p> <p><b>1. Route 33 Bridge Replacements, West Point, VA– Lead Structural Engineer February 2002 – May 2008, WSP   Parsons Brinckerhoff</b></p> <p><b>Specific Responsibilities:</b> Mr. Gilley served Lead Structural Engineer for final design and load rating activities for the replacement of two movable bridges through the town of West Point. Rex was responsible for:</p> <ul style="list-style-type: none"><li>✓ All substructure and superstructure design activities related to the fixed spans on three bridges.</li><li>✓ Coordinating bridge elements with geotechnical, roadway, drainage, traffic, MOT, lighting, and architectural disciplines as well as all related plan production activities</li></ul> <p>The project consisted of:</p> <ul style="list-style-type: none"><li>✓ 2.39 miles of highway and bridge replacement</li><li>✓ 5,354-foot-long, four-lane crossing of Thorofare Creek, Pamunkey River and Norfolk Southern Railroad</li><li>✓ a movable span to accommodate a 90-foot-wide channel with 55-feet of vertical clearance in the closed position</li><li>✓ 3,545-foot-long crossing of the Mattaponi River</li></ul> <p>The superstructures consisted of precast PCBT-45 beams made continuous for live load for the low-level trestle units. Lightweight, precast PCEF 89-95.5-60 beams and lightweight deck were utilized in the high-level approaches as well as the spliced-girder units. Low-level trestles are supported on pile bents utilizing driven 24-inch square precast piles. High-level approach and spliced-girder units are supported on multi-column piers utilizing driven 24-inch-square precast piles. The bascule piers are supported on driven 66-inch-diameter cylinder piles. The pile caps for the multi-column piers and bascule pier were set at an elevation that provides protection of the piles from barge impacts. Rex continued to lead the structural effort through the construction phase providing timely responses that maintained the project schedule.</p>

2. **US 17 Arthur J. Ravelle Jr. Bridge over the Cooper River, Charleston, SC – Senior Structural Engineer, March 2002 – November 2012, WSP | Parsons Brinckerhoff**

**Specific Responsibilities:** Rex was Lead Structural Engineer for the following ramp structures located on the Charleston Interchange end of this cable-stayed river crossing carrying US 17 over the Cooper River: Line 1C (647 feet), Line 4C (271 feet), Line 5 (1066 feet), Line 6 (563 feet) and Line 15 (798 feet). He was responsible for:

- ✓ Design coordination and plan preparation for ramps consisting of 79-inch, bulb-tee prestressed precast concrete beams on single column/drilled shaft hammerhead piers located in the Charleston Low Level Approaches.
- ✓ Coordinating modifications to accommodate contractor formwork requirements for the multi-column piers for the US 17 Mainline Low Level Approach Section which utilized post-tensioned pier caps.

The span range of the 79-inch, Modified Bulb-T beams is 120 feet to 148 feet with a typical spacing of 10 feet 9 inches. All structures were designed to resist 500-year and 2500-year returns period earthquakes to Seismic Performance Category D levels which resulted in unique bearing details to accommodate significant movement under seismic loads. Rex worked closely with the contractor regarding plan revisions, field issues, load ratings, and record drawings.

3. **US 17 Dominion Boulevard Widening and Bridge Renovations, Chesapeake, VA – Lead Structural Engineer, April 2004 – Present, WSP | Parsons Brinckerhoff**

**Specific Responsibilities:** Mr. Gilley served as Lead Structural Engineer on this contract, performing QA/QC of final bridge and plans for this \$188M project that involved widening and associated improvements to US 17 (Dominion Boulevard). He was responsible for:

- ✓ Formal review of the design for 9 bridges, including the two main line bridges carrying US 17 (Dominion Boulevard) over the Southern Branch of the Elizabeth River
- ✓ The completion of the As-built Load Ratings and initial acceptance inspection for each bridge to meet the VDOT requirements on behalf of the City of Chesapeake
- ✓ Coordination of construction related activities for the structures including RFI responses, general consultation, and shop drawing review

The project involved roadway widening under heavy traffic volumes and converted an existing two-lane suburban roadway into a four-lane controlled access facility. The project design included plans for constructing grade separated interchanges while maintaining existing traffic flows at the major intersections with US 17. The project included two mainline bridges crossing the Elizabeth River (5,262 feet and 5,982 feet in length) that provide 125 feet of horizontal clearance and 95 feet of vertical clearance at the channel; modifications to both lengthen and convert an existing twin-cell box culvert to a triple-cell box culvert; 120,000-square-feet of MSE retaining wall at 20 locations. **The design for this project is complete.** Construction is over 95% complete with expected completion early 2017. Rex's involvement in the construction phase has helped keep the construction on schedule.

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. N/A

## ATTACHMENT 3.3.1(a)

### KEY PERSONNEL RESUME FORM

<b>Brief Resume of Key Personnel anticipated for the Project.</b>
a. Name & Title: <b>Ali Abdolahi, PE</b> , CCM, Project Manager
b. Project Assignment: <b>Quality Assurance Manager (QAM)</b>
c. Name of all Firms with which you are employed at the time of submitting SOQs. In addition, please denote the type of employment (Full time/Part time): <b>McDonough Bolyard Peck, Inc. (d/b/a MBP), Full Time</b>
d. Employment History: With this Firm <u>24</u> Years With Other Firms <u>12</u> Years Please list chronologically (most recent first) your employment history, position, general responsibilities, and duration of employment for the last fifteen (15) years. (NOTE: If you have less than 15 years of employment history, please list the history for those years you have worked. Project specific experience shall be included in Section (g) below): <b>McDonough Bolyard Peck, Inc., 1993-Present.</b> Responsibilities as Project Manager include various construction management services including quality assurance/quality control (QA/QC), cost estimating, constructability reviews, oversight/coordination of personnel, and construction inspection on various highway, bridges, buildings, and site work projects.
e. Education: Name & Location of Institution(s)/Degree(s)/Year/Specialization: <b>Virginia Polytechnic Institute and State University, Blacksburg, VA/M.S./2003/Architecture and Construction Management Option; Florida International University, Miami, FL/B.S./1981/Construction Engineering</b>
f. Active Registration: Year First Registered/ Discipline/VA Registration #: <b>1998/Professional Engineer/VA #0402031852; 2006/Certified Construction Manager (CCM)</b>
g. Document the extent and depth of your experience and qualifications relevant to the Project. <ol style="list-style-type: none"><li>1. <i>Note your specific responsibilities and authorities for each project, not those of the firm.</i></li><li>2. <i>Note whether experience is with current firm or with other firm.</i></li><li>3. <i>Provide beginning and end dates for each project; projects older than fifteen (15) years will not be considered for evaluation.</i></li></ol> <p><b>(List only three (3) relevant projects* for which you have performed a similar function. If additional projects are shown in excess of three (3), the SOQ may be rendered non-responsive. In any case, only the first three (3) projects listed will be evaluated.)</b></p> <p>* On-call contracts with multiple task orders (on multiple projects) may not be listed as a single project.</p> <ol style="list-style-type: none"><li>1. <b>I-395 HOV Ramp at Seminary Road with I-395 NB Auxiliary Lane Extension, Alexandria, VA-Quality Assurance Manager 2013-Current, McDonough Bolyard Peck, Inc. (d/b/a MBP)</b> <b>Specific Responsibilities:</b> As QAM, he was responsible for providing Quality Control and Quality Assurance (QA/QC) of all work for this interstate improvement <b>design-build</b>. Mr. Abdolahi's responsibilities included:<ul style="list-style-type: none"><li>✓ Ensuring the completeness and accuracy of product work</li><li>✓ Assess technical suitability, practicality, and conformance to standards and practices</li><li>✓ Providing guidance in developing mitigation strategies for early stage risks or issues</li><li>✓ Developing a QA/QC plan to ensure the delivery of high quality products on budget and on schedule</li></ul>This \$70 million design-build project involved the construction of HOV lanes at the I-395 and Seminary Road interchange. Included in this work was the construction of structures, such as roadway bridges, a pedestrian bridge, sound barriers and retaining walls; storm drainage structures and associated piping; site grading; and roadway paving (both concrete and asphalt). The project also included Intelligent Transportation System (ITS) integration.</li><li>2. <b>Fairfax County Parkway, Fairfax, VA-Quality Assurance Manager 2008-2009, McDonough Bolyard Peck, Inc. (d/b/a MBP)</b> <b>Specific Responsibilities:</b> As QAM, he was responsible for providing QA/QC of all work and ensuring conformance with contract documents. He was primarily responsible for developing and adhering to the <b>design-build</b> QA/QC Plan, requiring:<ul style="list-style-type: none"><li>✓ Managing conformance to standards and practices throughout the entire process</li><li>✓ Developing mitigation strategies to manage early stake risks and issues in order to remain on schedule and on budget</li><li>✓ Ensuring that a high quality work product is delivered completely and accurately</li><li>✓ Verify that the requirements of the contract with the client were met</li></ul>The design-build project consisted of the segment of the Fairfax County Parkway between Rolling Road and Fullerton Road. The project included construction of a four-lane divided, limited access highway; relocation of portions of Hoes Road and Rolling Road; construction of a multipurpose trail; construction of interchanges; and</li></ol>

construction of seven bridges. In addition, the project involved Boudinot Drive Interchange which constructed an extension of Boudinot Drive from Fullerton Road to Fairfax County Parkway, including construction of loop B and new ramps B and D. Bridges were constructed over the Accotink Creek at both Boudinot Drive and ramp D. The total construction value was \$112 million.

**3. Huguenot Memorial Bridge, Richmond/Henrico County, VA—Construction Manager 2012-2013, McDonough Bolyard Peck, Inc. (d/b/a MBP)**

**Specific Responsibilities:** As Construction Manager, he managed the consultant team who provided on-site construction inspection services, including:

- ✓ Ensured the quality of the contractor's compliance with the plans/contract documents
- ✓ Managed the project inspection team
- ✓ Provided documentation control
- ✓ Managed CPM scheduling, and additional support services

The project involved the replacement of an existing 3,000-foot continuous beam bridge on Route 147 Huguenot Road over the James River, CSXT Railroad, Kanawha Canal, and forested wetlands. Phased construction required the new bridge to be constructed west of the existing bridge and realignment of Huguenot Road and Westham Station Road. The existing bridge remained in service as part of the new bridge was constructed. Relocation of existing utilities included a 48-inch sanitary force main, a 42-inch sanitary main, and gas and water lines. The project also included the construction of mechanically stabilized earth walls, new storm drainage systems, and one mile of approach roadways constructed of asphalt. The total construction value was \$35 million.

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.

**Current Assignments:** VDOT/LAP Lee Highway, and U.S. Route 29 Phase III Widening

**Role:** CM/PT

**Anticipated Duration:** Present-September 2017



**I-95 Southbound CD Lanes –  
Rappahannock River Crossing**  
From Exit 130 to 0.66 Miles  
North of Exit 133

**ATTACHMENT 3.4.1(a)**  
**LEAD CONTRACTOR - WORK HISTORY FORM**  
**(LIMIT 1 PAGE PER PROJECT)**

a. Project Name & Location	b. Name of the prime design consulting firm responsible for the overall project design.	c. Contact information of the Client or Owner and their Project Manager who can verify Firm's responsibilities.	d. Contract Completion Date (Original)	e. Contract Completion Date (Actual or Estimated)	f. Contract Value (in thousands)		g. Dollar Value of Work Performed by the Firm identified as the Lead Contractor for this procurement.(in thousands)
					Original Contract Value	Final or Estimated Contract Value	
<b>VDOT I-95 Richmond Bridges - Richmond, VA</b>  <b>Design-Bid-Build</b>	<b>AECOM</b> (Formerly URS Corporation)	Name of Client/Owner: <b>VDOT</b> Project Manager: <b>Scott Fisher</b> Phone: <b>(804) 674-2452</b> Email: <b>scott.fisher@VDOT.Virginia.gov</b>	<b>10/24/2014</b>	<b>10/16/2014</b>	<b>\$67,958</b>	<b>\$73,537</b>	<b>\$51,476</b>

h. Narrative describing the Work Performed by the Firm identified as the Lead Contractor for this procurement. If the Offeror chooses to submit work completed by an affiliated or subsidiary company of the Lead Contractor, identify the full legal name of the affiliate or subsidiary and the role they will have on this Project, so the relevancy of that work can be considered accordingly. The Work History Form shall include only one singular project. Projects with multiple phases, segments, elements, and/or contracts shall not be considered a single project. If a project listed includes multiple phases, segments, elements, and/or contracts, the SOQ may be rendered non-responsive. In any case, only the first phase, segment, element, and/or contract listed will be evaluated.

**Firm's Role:** Archer Western was the prime contractor for the VDOT I-95 Richmond Bridges replacement project.

**Office Location where the Design Work was Performed:** Richmond and Arlington, Virginia

**Project Narrative:**

This project consisted of the rehabilitation of 20 interstate bridges on I-95 in Richmond, Virginia, including 2 miles of shoulder widening and the extension of acceleration lanes. Bridge work was primarily superstructure work that included nightly bridge deck/beam removal and immediate replacement with precast composite deck sections. Substructure work was focused on the rehabilitation of existing substructure elements, although it included the construction of new substructure and retaining walls, as required for the widening of four bridges. Maintenance-of traffic (MOT) requirements were extensive, because I-95/I-64 in Richmond was reduced to one lane in each direction for approximately 200 nights of superstructure replacement in a two-year period, with corresponding lane closures or traffic detours on underlying City of Richmond streets. The project also included an extensive construction engineering effort for superstructure shop drawings, temporary falsework, pier reconstruction, superstructure demolition/erection plans, and three approved VECs.

**Finishing Projects on Time or early:** This challenging bridge replacement and reconstruction project was completed three months ahead of schedule and earned a \$3,000,000 "NO EXCUSES" early completion bonus.

**Use of Innovative solutions and techniques:** While the use of Accelerated Bridge Construction (ABC) Techniques was used on a previous VDOT project, enhancements to ABC on this project included:

- ✓ Match-casting the pre-constructed composite bridge units assuring the quality of the finished product
- ✓ Enhancing the accuracy of the As-Built Survey by utilizing Laser Scanning technology
- ✓ Utilized "Live Load" shoring to replace the existing pier caps allowing the existing bridges to remain in operation

<b>Similar Scope Elements</b>	
✓ Accelerated Bridge Construction-minimized the impact of construction to the traveling public	✓ Urban project with high traffic volumes
✓ Interstate design and construction	✓ Public involvement/relations
✓ Multi-phase MOT	✓ Stormwater management
✓ Similar construction techniques (concrete girder bridges, concrete pavement, asphalt pavement)	✓ Significant utility relocations
	✓ Multiple stakeholders

**Design-Build Experience:** While this project was delivered using the traditional design-bid-build delivery method, the design of the precast bridge units and the erection schemes for each bridge were accomplished using design build with the construction engineer contracted to AWC.

**Limiting impacts to traffic and the Community:** Lane closures and detours were restricted to nights and weekends with monetary penalties involved if the lanes were not reopened. The use of Accelerated Bridge Construction Techniques (precast bridges) reduced bridge replacements from several weeks to days.

**Community Interaction:** VDOT led an exhaustive public information program with AWC support to inform the community about upcoming activities, lane closures, access and restrictions. Efforts included one-on-one meetings with businesses, community open houses, and a website with interactive maps and details.

**DBE Program Commitments:** A robust outreach program was used during the pursuit phase of the project to generate interest and share information to the DBE contracting community. AWC exceeded the 5% goal and achieved 8.9%



**ATTACHMENT 3.4.1(a)**  
**LEAD CONTRACTOR - WORK HISTORY FORM**  
**(LIMIT 1 PAGE PER PROJECT)**

a. Project Name & Location	b. Name of the prime design consulting firm responsible for the overall project design.	c. Contact information of the Client or Owner and their Project Manager who can verify Firm's responsibilities.	d. Contract Completion Date (Original)	e. Contract Completion Date (Actual or Estimated)	f. Contract Value (in thousands)		g. Dollar Value of Work Performed by the Firm identified as the Lead Contractor for this procurement.(in thousands)
					Original Contract Value	Final or Estimated Contract Value	
<b>I-95 Overland Bridge Jacksonville, FL</b>  <b>Design-Build</b>	<b>RS&amp;H</b>	Name of Client/Owner: <b>FDOT</b> Project Manager: <b>Kenneth Hill</b> Phone: <b>(904) 360-5563</b> Email: <b>Kenneth.hill@dot.state.fl.us</b>	<b>07/2017</b>	<b>07/2017</b> (estimated)	<b>\$148,792</b>	<b>\$167,069</b> (estimated)	<b>\$108,594</b> (estimated)

h. Narrative describing the Work Performed by the Firm identified as the Lead Contractor for this procurement. If the Offeror chooses to submit work completed by an affiliated or subsidiary company of the Lead Contractor, identify the full legal name of the affiliate or subsidiary and the role they will have on this Project, so the relevancy of that work can be considered accordingly. The Work History Form shall include only one singular project. Projects with multiple phases, segments, elements, and/or contracts shall not be considered a single project. If a project listed includes multiple phases, segments, elements, and/or contracts, the SOQ may be rendered non-responsive. In any case, only the first phase, segment, element, and/or contract listed will be evaluated.

**Firm's Role:** Archer Western is the Design-Builder and Prime Contractor for this interstate highway reconstruction project.

**Office Location where the Design Work was Performed:** Jacksonville and Tampa, Florida

**Project Narrative:**

This project consists of the design and construction for the replacement of the I-95 Overland Bridge in Jacksonville, Florida. Improvements within the project limits include the reconstruction of I-95, reconstruction of the southbound Collector/Distributor (CD) Road, construction of a new northbound CD Road, construction to convert a partial interchange to a full interchange providing all traffic movements between I-95, Atlantic Boulevard and Philips Highway, and the realignment of Atlantic Blvd. in the vicinity of I-95. The improvements also include the construction of 12 new bridges (including third level flyovers) and 3 bridge widenings. The roadway reconstruction is concrete pavement, and includes substantial MSE walls and complex multi-phase maintenance of traffic plan.

**Finishing Projects on Time or early:** The project is currently on schedule and tracking to finish on time.

**Use of Innovative solutions and techniques:** During pre-award development of the project, the design-build team developed numerous innovations through the Alternative Technical Concept (ATC) process that resulted in significant schedule and cost savings. Innovations included a simplified maintenance of traffic (MOT) plan, more efficient drainage and utility designs, and a \$30 million reduction in required right-of-way and business damage costs to the owner. Among the numerous ATC innovations developed, two key improvements are:

- ✓ A ramp alignment switch that eliminated an 800-foot-long bridge, reduced thousands of vehicular weave movements, and improved ramp geometry and stopping sight distance.
- ✓ Restacking of the US 90/US 1 interchanges, which simplified and reduced construction phasing and MOT operations, eliminated a 500-day utility relocation outage, and significantly reduced MSE wall height.

**Similar Scope Elements**

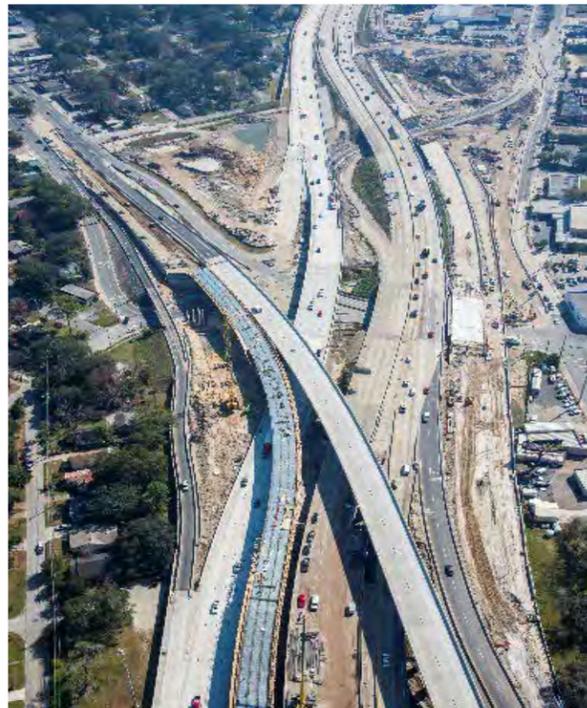
- |   |  |
|---|--|
| ✓ Public involvement and relations                              | ✓ Urban project with high traffic volumes  |
| ✓ Interstate design and construction                            | ✓ Multiple stakeholders  |
| ✓ Storm water management  | ✓ Multi-phase MOT  |
| ✓ Significant utility relocations                               | ✓ CD Lane Construction   |
| ✓ Extensive coordination with Environmental permitting agencies | ✓ Similar construction techniques (concrete girder bridges, concrete pavement, asphalt pavement) |

**Design-Build Experience:** This is FDOT District 2's most visible design-build project as it is located in downtown Jacksonville.

**Limiting impacts to traffic and the Community:** Through the ATC process the MOT sequence was improved to reduce the number of traffic shifts, a redesigned interchange reduced the overall project schedule, and a focus on minimizing impacts to the mainline I-95 traffic was instituted.

**Community Interaction:** AWC supported a FDOT led public information program that included monthly community meetings and focused business meetings with the adjacent medical facilities, Jacksonville City Council, and North Florida TPO. AWC was also tasked with maintaining the FDOT's project website throughout the project.

**DBE Program Commitments:** A robust outreach program was used during the pursuit and design phases of the project to generate interest and share information to the DBE contracting community. DBE Performance: Goal 8.18%; Actual 14% (Anticipated)



**ATTACHMENT 3.4.1(a)**  
**LEAD CONTRACTOR - WORK HISTORY FORM**  
**(LIMIT 1 PAGE PER PROJECT)**

a. Project Name & Location	b. Name of the prime design consulting firm responsible for the overall project design.	c. Contact information of the Client or Owner and their Project Manager who can verify Firm's responsibilities.	d. Contract Completion Date (Original)	e. Contract Completion Date (Actual or Estimated)	f. Contract Value (in thousands)		g. Dollar Value of Work Performed by the Firm identified as the Lead Contractor for this procurement.(in thousands)
					Original Contract Value	Final or Estimated Contract Value	
<b>I-395 HOV Ramp at Seminary Rd. &amp; NB Aux Lane Ext. - Alexandria, VA</b>  <b>Design-Build</b>	<b>Parsons</b>	Name of Client/Owner: <b>VDOT</b> Project Manager: <b>Arif Rahman, PE</b> Phone: <b>(703) 259-1940</b> Email: <b>MD.rahman@VDOT.virginia.gov</b>	<b>12/2015</b>	<b>05/2016</b>	<b>\$55,448</b>	<b>\$70,250</b>	<b>\$38,638</b>

h. Narrative describing the Work Performed by the Firm identified as the Lead Contractor for this procurement. If the Offeror chooses to submit work completed by an affiliated or subsidiary company of the Lead Contractor, identify the full legal name of the affiliate or subsidiary and the role they will have on this Project, so the relevancy of that work can be considered accordingly. The Work History Form shall include only one singular project. Projects with multiple phases, segments, elements, and/or contracts shall not be considered a single project. If a project listed includes multiple phases, segments, elements, and/or contracts, the SOQ may be rendered non-responsive. In any case, only the first phase, segment, element, and/or contract listed will be evaluated.

**Firm's Role:** Archer Western was the design-builder and prime contractor for the VDOT I-395 HOV Ramp at Seminary Road and NB Auxiliary Lane Extension.

**Office Location where the Design Work was Performed:** Arlington, Fairfax, and Vienna Virginia

**Project Narrative:**  
This design-build project included constructing a new I-395 HOV Ramp to the existing Seminary Road Bridge, replacing the superstructure of the Seminary Road Bridge, constructing a new pedestrian bridge, widening and rehabilitating the Sanger Ave Bridge, widening the I-395 Northbound General Purpose Lanes, widening the Seminary Road off-ramp, and widening the Duke St on-ramp. In addition to the pedestrian bridge, major features of work included new steel beams and deck for the Seminary Road Bridge, new Bulb-T beam and deck for the HOV Ramp, four sound walls, MSE wall, concrete piles, micropiles, and asphalt paving.

**Finishing Projects on Time or early:** This challenging bridge replacement and HOV Ramp project was opened to traffic as originally scheduled.

**Use of Innovative solutions and techniques:** AWC in partnership with their engineering team worked to optimize the foundations for the new HOV ramp and pedestrian bridge. Additionally, the pedestrian bridge was redesigned to eliminate a pier in the I-395 median and eliminate a challenging and dangerous construction phase.

**Previous Design-Build Experience:** This project was delivered through the design-build project delivery method.

**Limiting impacts to traffic and the Community:** Throughout construction AWC maintained all the existing through lanes and did not institute a speed reduction through the project. Through our traffic analysis (VISSIM) we determined that only minor lane closures for beam erection would be needed. Additionally, AWC used a Tower crane for support during the Seminary Road Superstructure replacement to reduce the need for work zone space.

- Similar Scope Elements**
- ✓ Multi-phase MOT
  - ✓ Interstate design and construction
  - ✓ Multiple stakeholders
  - ✓ Significant utility relocations
  - ✓ Extensive coordination with Environmental permitting agencies
  - ✓ ROW Acquisition Services performed
  - ✓ Work in and around environmentally sensitive areas
  - ✓ Public involvement and relations
  - ✓ Stormwater management
  - ✓ Noise barriers
  - ✓ Urban project with high traffic volumes
  - ✓ Similar construction techniques (concrete girder bridges, concrete pavement, and asphalt pavement )

**Community Interaction:** Through the dedicated Public Relations Manager on our DB Team, AWC supported VDOT's public information program at community meetings as well as business meeting with the Mark Center Business complex. Efforts included 1-on-1 meetings with businesses, community open houses, and a website with graphics and construction updates.

**DBE Program Commitments:** A robust outreach program was used during the pursuit and design phases of the project to generate interest and share information to the DBE contracting community. AWC exceeded the challenging 20% goal and achieved 24.5 %



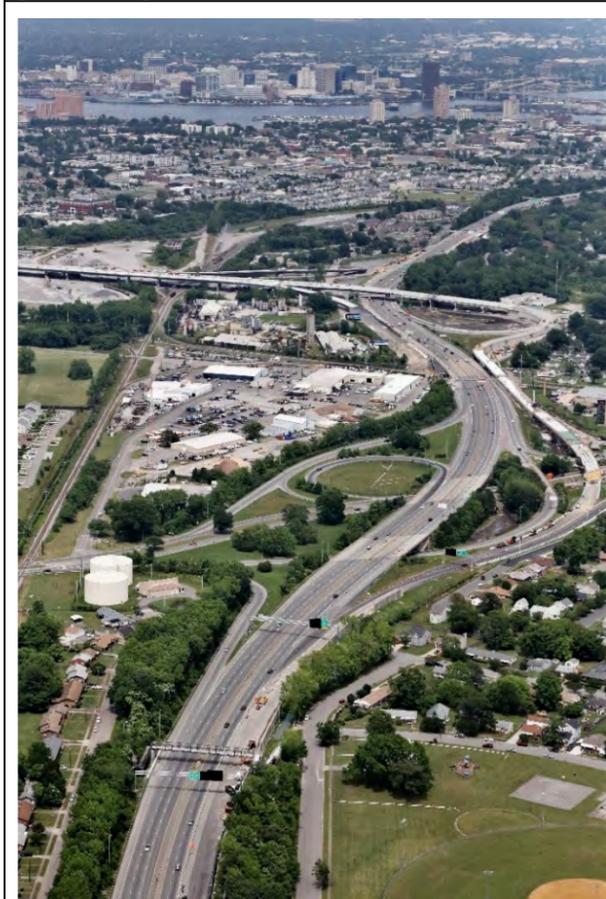
**ATTACHMENT 3.4.1(b)**

**LEAD DESIGNER - WORK HISTORY FORM**

**(LIMIT 1 PAGE PER PROJECT)**

a. Project Name & Location	b. Name of the prime/ general contractor responsible for overall construction of the project.	c. Contact information of the Client and their Project Manager who can verify Firm's responsibilities.	d. Construction Contract Start Date	e. Construction Contract Completion Date (Actual or Estimated)	f. Contract Value (in thousands)		g. Design Fee for the Work Performed by the Firm identified as the Lead Designer for this procurement.(in thousands)
					Construction Contract Value (Original)	Construction Contract Value (Actual or Estimated)	
<b>I-264 Widening/MLK Extension Portsmouth and Norfolk, VA</b>  <b>Design-Build</b>	<b>SKW Constructors</b>	Name of Client: <b>VDOT</b> Project Manager: <b>Brad Weidenhammer, P.E.</b> Phone: <b>(757) 396-6581</b> Email: <b>bradley.weidenhammer@vdot.virginia.gov</b>	<b>01/2012</b>	<b>12/2016</b>	<b>\$200,000</b>	<b>\$200,000</b> (estimated)	<b>\$12,000</b>

h. Narrative describing the Work Performed by the Firm identified as the Lead Designer for this procurement. Include the office location(s) where the design work was performed and whether the firm was the prime designer or a subconsultant. The Work History Form shall include only one singular project. Projects with multiple phases, segments, elements, and/or contracts shall not be considered a single project. If a project listed includes multiple phases, segments, elements, and/or contracts, the SOQ may be rendered non-responsive. In any case, only the first phase, segment, element, and/or contract listed will be evaluated.

	<p><b>Firm's Role:</b> WSP   Parsons Brinckerhoff (PB) was the lead designer for this design-build project.</p> <p><b>Office Location where the Design Work was Performed:</b> Virginia Beach, VA</p> <p><b>Project Narrative:</b> PB delivered final construction plans for the widening and modifications to I-264 and the MLK Extension (a new one mile elevated freeway) over urban Portsmouth, Virginia. PB was the Lead Designer on a design-build team. Specific scope elements of the overall Project included:</p> <ul style="list-style-type: none"> <li>✓ Widening of I-264 for auxiliary lanes</li> <li>✓ Eight new/widened bridges including new bridges over CSX rail lines and new and widened bridges over N&amp;PBL</li> <li>✓ 11 stormwater ponds/basins (including significant aesthetic treatments to two)</li> <li>✓ Preparation of the Noise Abatement Design Report (NADR) for three new noise barriers</li> <li>✓ 18 retaining walls</li> <li>✓ Significant overhead guide signage</li> <li>✓ Transportation Management Plan (TMP) developed for phased MOT</li> <li>✓ ITS system replacement/upgrades along I-264</li> </ul> <p>PB is currently providing design support during construction, including shop-drawing reviews, preparing responses to RFIs, and As-Built documentation.</p> <p>PB performed major components of the design effort including: widening of I-264 including asphalt overlays at tie-ins; Ramp EN geometrics; new Ramp EN structure over US 17; preparation of the TMP and multi-jurisdictional detours; coordination with</p>	<p><b>Use of Innovative Solutions and Techniques:</b> PB worked closely with the contractor to develop cost-effective and low risk solutions for ground improvements. Specifically, the Project included the use of lightweight fill, EPS embankments, and surcharging at specific locations to minimize the potential for long-term settlement. The project also included architectural panels, obelisks, and aesthetic stormwater pond treatments (requested by the City of Portsmouth). The use of EPS embankments involved special details to avoid the placement of drainage collection structures within the EPS embankment material.</p> <p><b>Limiting Impacts to Traffic and the Community:</b> PB developed a Transportation Management Plan (TMP) as a "living document" for this multi-phased project. As such, components of the TMP were released in advance of specific construction components to facilitate the overall project schedule. Disruptions to I-264 traffic were generally limited to temporary closures for placing superstructure elements over the existing roadway. During construction, MOT and detours were closely coordinated with the City of Portsmouth and VDOT to minimize impacts.</p> <p><b>Community Interaction:</b> The project traverses above/through a developed area of Portsmouth, requiring close coordination with the City to relocate local utilities, close and relocate local streets, maintain access to properties along the project route, and coordinate with both CSXT and N&amp;PBL for bridge crossings.</p> <p><b>DBE Program Commitments:</b> As the Lead Designer, PB met DBE and SWaM value goals as required by the Design-Builder. PB subcontracted design work to 6 DBE firms and 6 SWaM firms as part of the overall project.</p> <p><b>Environmental:</b> PB addressed all requirements for water quality permits, performed through the Joint Permit Application submitted to USACE, Virginia Department of Environmental Quality (VDEQ), and Virginia Marine Resource Commission. PB prepared a NADR for the overall project, including three new sound barrier walls.</p> <p><b>Bridges and Structures:</b> This project involved the design of six (6) new bridges and two (2) bridge widenings.</p> <p><b>Geotechnical:</b> The project included significant geotechnical investigations and alternatives analysis for poor soil conditions, resulting in the use of EPS (Extended Polystyrene) embankment, the use of lightweight fill, and surcharging. The twenty (20) foot high EPS embankments eliminated potential risks associated with long-term settlement of bridge approach embankments for the subsurface problem soils of the I-264 corridor.</p> <p><b>Right-of-Way:</b> PB worked closely with SKW and their Right-of-Way (ROW) acquisition consultant. On several occasions, plan changes were incorporated to either eliminate or reduce right-of-way impacts, which reduced VDOT's acquisition cost and facilitated owner approval of the acquisition. ROW acquisition was completed in accordance with VDOT's ROW Manual and all applicable state and federal laws and regulations.</p>	<p><b>Similar Scope Elements</b></p> <ul style="list-style-type: none"> <li>✓ Design-build</li> <li>✓ Interstate widening</li> <li>✓ Widening of the I-264 bridge over N&amp;PBL railroad</li> <li>✓ Stormwater management</li> <li>✓ Utility relocations</li> <li>✓ Environmental permits</li> <li>✓ Interstate lighting</li> <li>✓ Signalization</li> <li>✓ MOT/phasing</li> <li>✓ Multiple stakeholders</li> <li>✓ Work performed in urban/ commercial area</li> <li>✓ New location elevated expressway over active rail lines (CSX)</li> <li>✓ Bridge structures over urban streets</li> <li>✓ Noise barriers</li> <li>✓ ROW</li> <li>✓ ITS</li> <li>✓ New interstate guide signage</li> <li>✓ Public involvement/relations</li> <li>✓ Constrained site conditions</li> </ul> <p><b>Proposed Personnel Involved</b></p> <ul style="list-style-type: none"> <li>✓ Derek Piper, PE: Design Manager</li> <li>✓ Rex Gilley, PE: Lead Structural Engineer</li> <li>✓ Ian Chaney, PE: Lead Geotechnical Engineer</li> <li>✓ Melissa Simpson, PE: Drainage/SWM Design</li> <li>✓ Tim Rayner, PE, PTO: MOT/TMP/ITS</li> <li>✓ Ray Magsanoc: Noise Analysis</li> <li>✓ Doug Fraser, PG: Environmental</li> <li>✓ Kristin Belfield, PE: Lighting</li> </ul> <p><b>Awards</b></p> <p>Design-Build Institute of America, Hampton Roads Section - Project of the Year Award 2016 ACEC Virginia - Grand Award 2016</p>
<p>the contractor's right-of-way acquisition consultant; utility coordination and relocation; stormwater system modeling and stormwater basin design for all 11 basins; coordination with CSX and N&amp;PBL Railroad; and layout design and specifications for three new noise barriers in accordance with the approved NADR.</p> <p><b>Finishing Project on Time or Early:</b> Design was completed on time and the project opened to traffic one month ahead of schedule.</p>			

**ATTACHMENT 3.4.1(b)**

**LEAD DESIGNER - WORK HISTORY FORM**

**(LIMIT 1 PAGE PER PROJECT)**

a. Project Name & Location	b. Name of the prime/general contractor responsible for overall construction of the project.	c. Contact information of the Client and their Project Manager who can verify Firm's responsibilities.	d. Construction Contract Start Date	e. Construction Contract Completion Date (Actual or Estimated)	f. Contract Value (in thousands)		g. Design Fee for the Work Performed by the Firm identified as the Lead Designer for this procurement.(in thousands)
					Construction Contract Value (Original)	Construction Contract Value (Actual or Estimated)	
<b>US 17 Dominion Boulevard Widening and Bridge Improvements, Chesapeake, VA</b> <b>Design-Bid-Build</b>	<b>Dominion Boulevard Constructors, LLC</b>	Name of Client: <b>City Of Chesapeake</b> Project Manager: <b>Earl Sorey</b> Phone: <b>(757) 382-6513</b> Email: <b>easorey@cityofchesapeake.net</b>	<b>01/2012</b>	<b>02/2017 (estimated)</b>	<b>\$188,000</b>	<b>\$194,000</b>	<b>\$12,604</b>

h. Narrative describing the Work Performed by the Firm identified as the Lead Designer for this procurement. Include the office location(s) where the design work was performed and whether the firm was the prime designer or a subconsultant. The Work History Form shall include only one singular project. Projects with multiple phases, segments, elements, and/or contracts shall not be considered a single project. If a project listed includes multiple phases, segments, elements, and/or contracts, the SOQ may be rendered non-responsive. In any case, only the first phase, segment, element, and/or contract listed will be evaluated.

**Firm's Role:** Parsons Brinckerhoff, Inc. (PB) was the lead designer for this design-bid-build project.

**Office Location where the Design Work was Performed:**  
Virginia Beach, VA

**Project Narrative:**

Parsons Brinckerhoff prepared preliminary and final design, and construction documents, for widening and improvements to US 17 (Dominion Boulevard) from Interstate 64 to south of Cedar Road, a distance of approximately 4 miles. The project included widening of the existing two lane roadway into a four-lane divided freeway that includes a new high level fixed bridge (95' vertical clearance) over the Southern Branch of the Elizabeth River, just upstream of the High Rise Bridge, and three interchanges. Parsons Brinckerhoff is currently providing design support during construction, including shop drawing reviews, site visits, preparing responses to RFIs, and As-Built documentation. As the Lead Designer, Parsons Brinckerhoff self-performed the majority of the design effort including:

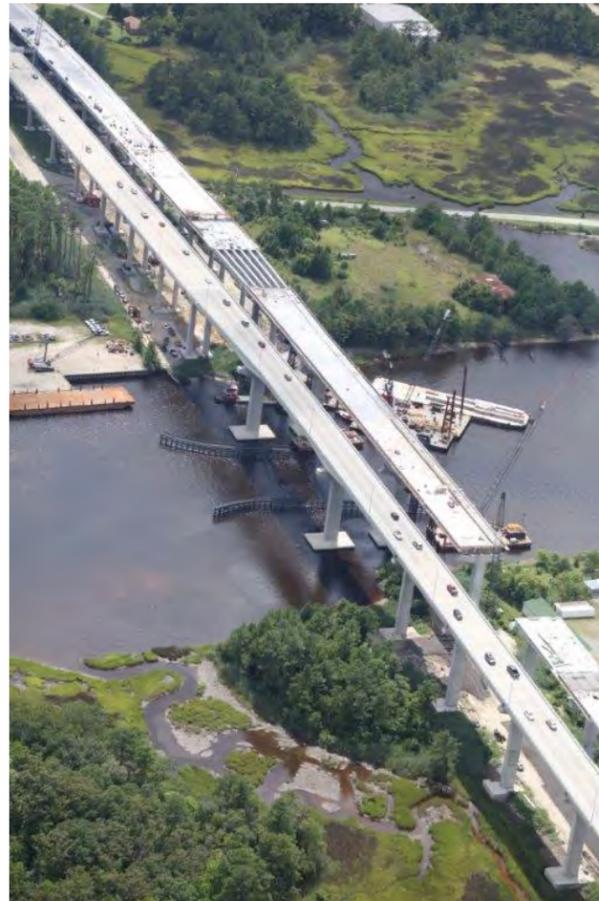
- ✓ Roadway widening and bridge design (including 7 interchange bridges); geotechnical analysis and design
- ✓ TMP/MOT plans
- ✓ Stormwater management design
- ✓ Signing & pavement marking plans
- ✓ Drainage design, including design of a major triple-cell box culvert under US 17 and design of a wetland mitigation site
- ✓ Preparation of the Noise Abatement Design Report (NADR) and design of noise barriers
- ✓ ITS design
- ✓ Preparation of permit applications, including a US Coast Guard permit for construction over a navigable channel.

The project also involved development of specifications for an "open-road" toll collection system, and coordination of the design for all associated civil element (overhead gantries, conduits, equipment housing).

**Finishing Project on Time or Early:**

Design was completed on time. Construction of the project began in January 2012 and achieved substantial completion in December 2016, approximately four months ahead of schedule.

**DBE Program Commitments:** PB met DBE and SWaM value goals as required by the City of Chesapeake. PB subcontracted design work to 6 DBE firms and 6 SWaM firms as part of the overall project.



**High-Level Bridge:** The project includes two major bridges over the Southern Branch of the Elizabeth River, located approximately one mile upstream of the High Rise Bridge. The new bridges provide 95' of vertical and 125' of horizontal clearance at the main channel span. The northbound and southbound structures are 5,262 feet and 5,982-feet in length, respectively. The northbound bridge was constructed adjacent to a double leaf bascule bridge that remained in service during construction of the first crossing. Both bridges consist of low level trestle, mid-level approaches and the spliced girder river-span units. To provide a cost-effective design, estimates were developed to consider superstructure and substructure costs for the different bridge heights in order to determine optimal span lengths for each type of unit.

**Use of Innovative Solutions and Techniques:** PB utilized an innovative "risk based" approach to addressing settlement issues associated with the soft subsurface soils prevalent throughout the project area, in particular in areas near the bridge abutments. PB evaluated the critical path for the project and determined that the settlement "wait times" associated with a traditional wick drain and surcharge approach would unnecessarily extend the construction schedule. As a result, a combination of pile supported embankments in areas where construction activities were on the critical path, and wick drain and surcharge in areas where the settlement wait times did not impact the overall schedule, was utilized.

**Limiting Impacts to Traffic and the Community:** Design involved development of roadway plans to include detailed and specific construction sequence and maintenance of traffic plans in order to maintain traffic on existing US 17 and crossing roadways during construction. The northbound lanes and river crossing bridge were constructed as the initial phase. These lanes then carried bi-directional US 17 traffic, while the new southbound bridge and roadway was constructed on existing alignment. The plan included several stages of construction involving maintenance of roadway traffic as well as bridge construction staging involving maintenance of marine traffic on the Atlantic Intracoastal Waterway (AIW) through coordination with the United States Coast Guard.

**Community Interaction:** PB provided support to the City staff who actively maintained a project website and social media outlets that provided continual project updates to local citizens. The media played an active role advocating for the project and issued press releases for major milestone achievements. The team went well beyond the standard public information process by participating on local radio programs that allowed citizens to call with questions about the project, meeting regularly with business and churches in the area, and sponsoring a food drive for the childcare business impacted during construction. These efforts led to strong public support for the project with overwhelmingly positive comments received at all public meetings.

**Similar Scope Elements**

- |   |  |
|---|--|
| ✓ High Level fixed bridge (95') over the Atlantic Intracoastal Waterway | ✓ Construction adjacent to an active existing double leaf bascule bridge |
| ✓ Coordination with the City of Chesapeake, VDOT and FHWA               | ✓ Geotechnical investigation and design                                  |
| ✓ US Coast Guard Permit acquisition                                     | ✓ ROW acquisition  |
| ✓ Roadway widening to interstate standards                              | ✓ ITS  |
| ✓ Extensive MOT and phased construction                                 | ✓ New interstate guide signage   |
| ✓ Stormwater management   | ✓ Public involvement/relations   |
| ✓ Environmental permitting  | ✓ Constrained site conditions  |
| ✓ Environmental mitigation  | ✓ Utility coordination & relocation design                               |
| ✓ Noise barriers  | ✓ Multiple stakeholders  |

**Proposed Personnel Involved**

- ✓ Derek Piper, PE, AICP, DBIA: Design Manager
- ✓ Rex Gilley, PE: Lead Structural Engineer
- ✓ Scott Lovell, PE: Project Executive
- ✓ Ian Chaney, PE: Lead Geotechnical Engineer
- ✓ Melissa Simpson, PE: Drainage/SWM Design
- ✓ Tim Rayner, PE, PTO: MOT/TMP/ITS
- ✓ Ray Magsanoc: Noise Analysis

**ATTACHMENT 3.4.1(b)**

**LEAD DESIGNER - WORK HISTORY FORM**

**(LIMIT 1 PAGE PER PROJECT)**

a. Project Name & Location	b. Name of the prime/ general contractor responsible for overall construction of the project.	c. Contact information of the Client and their Project Manager who can verify Firm's responsibilities.	d. Construction Contract Start Date	e. Construction Contract Completion Date (Actual or Estimated)	f. Contract Value (in thousands)		g. Design Fee for the Work Performed by the Firm identified as the Lead Designer for this procurement.(in thousands)
					Construction Contract Value (Original)	Construction Contract Value (Actual or Estimated)	
<b>I-85 Widening Cabarrus County, NC</b>  <b>Design-Build</b>	<b>Blythe Construction, Inc.</b>	Name of Client/Owner: <b>NCDOT</b> Phone: <b>(919) 212-3256</b> Project Manager: <b>Khaled Al-Akhdar</b> Phone: <b>(919) 707-6612</b> Email: <b>kalakhdar@ncdot.gov</b>	<b>04/2015</b>	<b>12/2017</b>	<b>\$187,000</b>	<b>\$187,000</b>	<b>\$12,000</b>

h. Narrative describing the Work Performed by the Firm identified as the Lead Designer for this procurement. Include the office location(s) where the design work was performed and whether the firm was the prime designer or a subconsultant. The Work History Form shall include only one singular project. Projects with multiple phases, segments, elements, and/or contracts shall not be considered a single project. If a project listed includes multiple phases, segments, elements, and/or contracts, the SOQ may be rendered non-responsive. In any case, only the first phase, segment, element, and/or contract listed will be evaluated.

**Firm's Role:** WSP | Parsons Brinckerhoff (PB) was the lead designer for this design-build project.

**Office Location where the Design Work was Performed:** Charlotte and Raleigh, North Carolina

**Project Narrative:**

Parsons Brinckerhoff is the lead design engineer for this \$187-million D-B project in Cabarrus County, North Carolina. The project includes the design and construction of an eight-mile segment of I-85 that will include widening the roadway from four to eight lanes. The project also involves improvements to three interchanges and eliminating a current rail crossing. The project will reduce congestion, improve safety, and enhance connectivity to surrounding neighborhoods and businesses in this highly trafficked corridor. Specific scope elements of the overall Project included:

- ✓ Widening of I-85 from 4 to 8 lanes
- ✓ Reconstruction and reconfiguring of three interchanges
- ✓ Replacement of 13 bridges
- ✓ Elimination of an existing rail crossing
- ✓ Hydraulic design
- ✓ Roadway design
- ✓ Structure design
- ✓ Traffic control design
- ✓ Pavement marking design
- ✓ Foundation design for structures and roadway
- ✓ Signing design
- ✓ Traffic signal design
- ✓ Utility coordination
- ✓ Railroad coordination
- ✓ Erosion and sedimentation control
- ✓ Design management
- ✓ Public involvement

**Finishing Project on Time or Early:**

With an accelerated schedule the team completed the design six months ahead of NCDOT's schedule.

**Use of Innovative Solutions and Techniques:** Many innovative approaches and proposed solutions contributed the team's success, including:

- ✓ An accelerated schedule to complete the project six months ahead of NCDOT's schedule.
- ✓ Reduced environmental impacts. Parsons Brinckerhoff's proposed design reduces stream and wetland impacts by nearly 30 percent.
- ✓ The team performed extensive due diligence with utility companies to identify ROW requirements early in the design process. The team's design eliminates as many impacts as possible and offers significant anticipated cost savings to NCDOT (approximately \$3 million).

- ✓ The team submitted several ATCs that were accepted by NCDOT. The ATCs not only illustrated our team's ability to propose innovative solutions, but also:
  - Reduced the overall construction and right-of-way cost
  - Provided better maintenance of traffic
  - Provided better access to key points of interest
  - Reduced overall congestion
  - Addressed concerns of major stakeholders

**Limiting Impacts to Traffic and the Community:** The project involved widening the interstate from 4 to 8-lanes and reconstruction of the existing pavement. The project was phased to complete construction of the inside lanes, and then shift traffic onto the new lanes while reconstructing the existing pavement. In order to prevent construction traffic from accessing the median from the interstate, a temporary median access ramp, from Ridge Avenue, was proposed for construction traffic to access the median.

**Community Interaction:** The public involvement program included a project website (maintained by NCDOT), project visualizations, newsletters and handouts, public workshops and small group meetings. In addition, PB utilized CommentSense, its proprietary web-based comment tracking software tool, to manage public comments.

**DBE Program Commitments:** As the Lead Designer, PB met DBE and SWaM value goals as required by the Design-Builder and NCDOT.

**Similar Scope Elements**

- ✓ Design-build
- ✓ Interstate, widening, modification and realignment
- ✓ Replacement of 13 bridges
- ✓ Accelerated schedule
- ✓ Utility coordination
- ✓ Drainage design
- ✓ Construction phasing
- ✓ Erosion and sedimentation control
- ✓ Signing design
- ✓ Signal design
- ✓ Traffic control plans
- ✓ Right-of-way acquisition

**Proposed Personnel Involved**

- ✓ David B. Gourley, PE – Roadway
- ✓ Daniel Bridges, PE – Roadway
- ✓ Chris Davis, PE – Roadway





**Archer Western Construction, LLC**

2 Wisconsin Circle | Suite 200 | Chevy Chase, MD 20815 | Tel: 301.347.4680 | [www.walshgroup.com](http://www.walshgroup.com)