BRYANT CONTRACTING, INC.

AECOM

ORIGINAL

Statement of Qualifications
Contract ID # C00105463DB89

February 4, 2016

Route 606 Bridge Replacement Over I-95 With 606 Improvements

A Design-Build Project in Spotsylvania County, VA

State Project No.
0606-088-653, C-501, UPC 105463
0606-088-622, C-501, UPC 10082

Federal Project No.
STP 5111 (272)
BR-5111 (237)

Section 3.1 – SOQ Contents

ATTACHMENT 3.1.2

Project: 0606-088-653, C501 & 0606-088-622, C501, B634
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.

Statement of Qualifications Component	Form (if any)	RFQ Cross reference	Included within 15-page limit?	SOQ Page Reference
Statement of Qualifications Checklist and Contents	Attachment 3.1.2	Section 3.1.2	no	Section 3.1
Acknowledgement of RFQ, Revision and/or Addenda	Attachment 2.10 (Form C-78-RFQ)	Section 2.10	no	Section 3.1
Letter of Submittal (on Offeror's letterhead)				
Authorized Representative's signature	NA	Section 3.2.1	yes	Sec. 3.2-pg. 2
Offeror's point of contact information	NA	Section 3.2.2	yes	Sec. 3.2-pg. 1
Principal officer information	NA	Section 3.2.3	yes	Sec. 3.2-pg. 1
Offeror's Corporate Structure	NA	Section 3.2.4	yes	Sec. 3.2-pg. 1
Identity of Lead Contractor and Lead Designer	NA	Section 3.2.5	yes	Sec. 3.2-pg. 2
Affiliated/subsidiary companies	Attachment 3.2.6	Section 3.2.6	no	Appendix 3.2
Debarment forms	Attachment 3.2.7(a) Attachment 3.2.7(b)	Section 3.2.7	no	Appendix 3.2
Offeror's VDOT prequalification evidence	NA	Section 3.2.8	no	Appendix 3.2
Evidence of obtaining bonding	NA	Section 3.2.9	no	Appendix 3.2

ATTACHMENT 3.1.2

Project: 0606-088-653, C501 & 0606-088-622, C501, B634
STATEMENT OF QUALIFICATIONS CHECKLIST AND CONTENTS

Statement of Qualifications Component	Form (if any)	RFQ Cross reference	Included within 15-page limit?	SOQ Page Reference
SCC and DPOR registration documentation (Appendix)	Attachment 3.2.10	Section 3.2.10	no	Appendix 3.2
Full size copies of SCC Registration	NA	Section 3.2.10.1	no	Appendix 3.2
Full size copies of DPOR Registration (Offices)	NA	Section 3.2.10.2	no	Appendix 3.2
Full size copies of DPOR Registration (Key Personnel)	NA	Section 3.2.10.3	no	Appendix 3.2
Full size copies of DPOR Registration (Non-APELSCIDLA)	NA	Section 3.2.10.4	no	Appendix 3.2
DBE statement within Letter of Submittal confirming Offeror is committed to achieving the required DBE goal	NA	Section 3.2.11	yes	Sec. 3.2-pg. 2
Offeror's Team Structure				
Identity of and qualifications of Key Personnel	NA	Section 3.3.1	yes	Sec. 3.3-pg. 1
Key Personnel Resume – DB Project Manager	Attachment 3.3.1	Section 3.3.1.1	no	Appendix 3.3
Key Personnel Resume – Quality Assurance Manager	Attachment 3.3.1	Section 3.3.1.2	no	Appendix 3.3
Key Personnel Resume – Design Manager	Attachment 3.3.1	Section 3.3.1.3	no	Appendix 3.3
Key Personnel Resume – Construction Manager	Attachment 3.3.1	Section 3.3.1.4	no	Appendix 3.3
Organizational chart	NA	Section 3.3.2	yes	Sec. 3.3-pg. 2
Organizational chart narrative	NA	Section 3.3.2	yes	Sec. 3.3-pg. 2

ATTACHMENT 3.1.2

Project: 0606-088-653, C501 & 0606-088-622, C501, B634
STATEMENT OF QUALIFICATIONS CHECKLIST AND CONTENTS

Statement of Qualifications Component	Form (if any)	RFQ Cross reference	Included within 15-page limit?	SOQ Page Reference
Experience of Offeror's Team				Sec. 3.4-pg.1
Lead Contractor Work History Form	Attachment 3.4.1(a)	Section 3.4	no	Appendix 3.4
Lead Designer Work History Form	Attachment 3.4.1(b)	Section 3.4	no	Appendix 3.4
Project Risk				
Identify and discuss three critical risks for the Project	NA	Section 3.5.1	yes	Sec. 3.5-pg. 1

Form C-78-RFQ

ATTACHMENT 2.10

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF TRANSPORTATION

RFQ NO. C00105463DB89

PROJECT NO.: 0606-088-653, C501 & 0606-088-622, C501, B634

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 – December 7, 2015
   (Date)
2. Cover letter of RFQ Addendum#1 – January 19, 2016
   (Date)
3. Cover letter of _____
   (Date)

SIGNATURE — DATE: 2/1/2016

DOUGLAS W. JACKSON — PRESIDENT

PRINTED NAME — TITLE

Section 3.2 – Letter of Submittal

BRYANT CONTRACTING, INC.

P.O. Box 1000 • Toano, VA 23168
Phone 757-566-0400 • Fax 757-566-8155

February 4, 2016

Stephen D. Kindy, P.E.
Alternate Project Delivery Office
Virginia Department of Transportation
1401 E. Broad Street
Richmond, VA 23219

Reference: Route 606 Bridge Replacement over I-95 with 606 Improvements
RFQ No.: C00105463DB89

Dear Mr. Kindy,

Bryant Contracting, Inc. (BCI) is pleased to submit our response to VDOT's Request for Qualifications for the Route 606 Bridge Replacement over I-95 with 606 Improvements Project. Since its inception, BCI has performed over $200 million of heavy/highway construction work in the state of Virginia. The challenge presented on this project of maintaining traffic while performing major construction tasks in a confined area is one that BCI has excelled at on numerous projects in the past. We look forward to utilizing our experience in this area once again. BCI has enjoyed working with VDOT in the past, and we look forward to continuing that relationship while delivering a quality, safe, and timely product on this project.

3.2.1 Offeror: The full legal name and address of the legal entity executing the Contract with VDOT is as follows:

Bryant Contracting, Inc.
7754 Richmond Rd.
P.O. Box 1000
Toano, VA 23168

3.2.2 Point of Contact: Mr. Douglas W. Jackson is BCI's Principal Officer for the project. Mr. Jackson's contact information is as follows:

Douglas W. Jackson	Office: 757-566-0400
President	Fax: 757-566-8155
P.O. Box 1000	Cell: 757-869-1461
Toano, VA 23168	Email: djackson@bryantcontracting.com

3.2.3 Principal Officer: Mr. Douglas W. Jackson is BCI's point of contact for the project. Mr. Jackson's contact information is outlined in Section 3.2.2.

3.2.4 Offeror Structure: BCI is a Virginia registered corporation and will be the entity financially responsible for full performance of all contractual obligations. BCI has no liability

limitations, and will provide a single 100% performance bond and a single 100% payment bond for the entire value of the contract.

3.2.5 Lead Contractor and Designer: Bryant Contracting, Inc. (BCI) will be the Lead Contractor for the Project, and serve as the prime/general contractor responsible for the overall construction of the Project and legal entity who will execute the Contract with VDOT. AECOM Technical Services, Inc. (AECOM) will be the Lead Designer for the Project, and serve as the prime design consulting firm responsible for the overall design of the Project.

3.2.6 Affiliated and Subsidiary Companies: Affiliated and subsidiary company information is included in **Appendix 3.2**.

3.2.7 Certificate Regarding Debarment Forms: Certification Regarding Debarment Forms for primary and lower tier covered transactions are included in **Appendix 3.2**.

3.2.8 Offeror Prequalification: BCI is currently prequalified (active status) in good standing with a prequalification number of B303. A copy of our prequalification certificate is included in **Appendix 3.2**.

3.2.9 Letter from Surety: A letter from our bonding company, Hampton Roads Bonding, stating that BCI is capable of obtaining the required performance and payment bond is included in **Appendix 3.2**.

3.2.10 SCC and DPOR Registration Information: Virginia State Corporation Commission (SCC) registrations for each business team member and Virginia Department of Professional and Occupational Regulations (DPOR) licenses for each business team member, key personnel and real estate appraiser are included in **Appendix 3.2**.

3.2.11 DBE Participation Goal: BCI commits to achieve a fifteen percent (15%) DBE participation goal for the entire value of the contract.

All additional required information, as outlined in Section 3 of the Request for Qualification, is contained in the following section-specific tabs.

We appreciate the opportunity to submit a proposal for this project and look forward to once again working with VDOT.

Regards,

W. Barry Bryant
Chief Executive Officer

Section 3.3 Offeror's Team Structure

For over 30 years, Bryant Contracting, Inc. (BCI) has excelled at completing complex heavy/highway construction projects safely, on time, and with the highest quality standards. During that time, BCI has enjoyed a successful working relationship with the Department while completing around 100 VDOT projects in Central and Eastern Virginia. From late 2009 to late 2011, BCI completed the Design Build Multiple Bridge Rehabilitation Project Region 4: Richmond & Fredericksburg Districts with critical support from AECOM and EBA Engineering, Inc. Due to the success of this design-build project, BCI has assembled the same core team for the Route 606 Bridge Replacement over I-95 with 606 Improvements Project (the Project). AECOM will again be the lead designer and EBA Engineering, Inc. will again manage the Quality Assurance program for the Project.

3.3.1 Key Personnel: Key Personnel identities are detailed below:

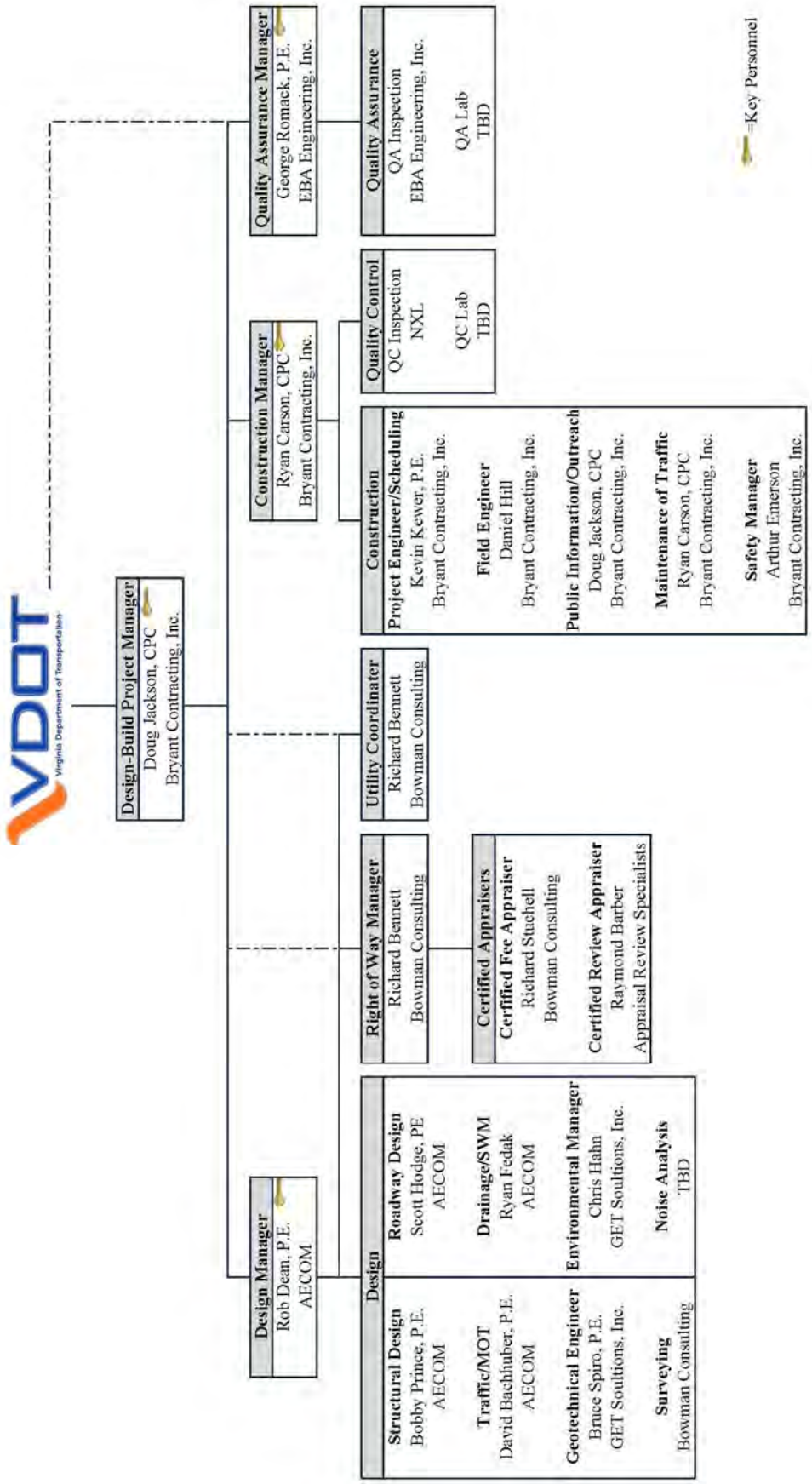
Key Personnel Position	Individual	Company
Design-Build Project Manager	Doug Jackson, CPC	Bryant Contracting, Inc.
Quality Assurance Manager	George Romack, P.E.	EBA Engineering, Inc.
Design Manager	Rob Dean, P.E.	AECOM
Construction Manager	Ryan Carson, CPC	Bryant Contracting, Inc.

All three companies represented in the key personnel chart above worked together on the Region 4 Design-Build Project. Three of the four key personnel (Doug Jackson, Rob Dean, and Ryan Carson) held the same position on the Region 4 Design-Build Project. George Romack also worked on the Region 4 Team as the VDOT District Construction Engineer during that time. The team successfully completed this challenging, multiple year, multiple location project, with each key personnel member performing their identified role from the start of the project through completion. BCI is similarly committed to keeping all key personnel individuals in their specific roles throughout the life of the Project. In addition, job duties for the listed key personnel will not be delegated to others for the duration of the Design-Build contract.

As detailed in the key personnel resume forms (**Appendix 3.3**), all four of these individuals have extensive experience in their identified position and are thoroughly and independently qualified for their roles in the Project. The previous experience that the team members have working together is an immeasurable added benefit which will positively impact the overall quality and timely delivery of the Project.

3.3.2 Organizational Chart: This section provides a narrative of the roles and reporting relationships of specific team members. The organizational chart for the Bryant Team is graphically detailed on the next page.

VDOT: As the Owner, VDOT will have oversight responsibility for the Project to ensure compliance with the Contract Documents. Based on past history, BCI believes that VDOT will also want to be the primary liaison between some third party stakeholders and the Design-Build Team.


VDOT
Virginia Department of Transportation
Design-Build Project Manager
Doug Jackson, CPC
Bryant Contracting, Inc.
Design Manager
Rob Dean, P.E.
AECOM
Design
Structural Design
Bobby Prince, P.E.
AECOM
Traffic/MOT
David Bachhuber, P.E.
AECOM
Geotechnical Engineer
Bruce Spiro, P.E.
GET Soultions, Inc.
Surveying
Bowman Consulting
Roadway Design
Scott Hodge, PE
AECOM
Drainage/SWM
Ryan Fedak
AECOM
Environmental Manager
Chris Hahn
GET Soultions, Inc.
Noise Analysis
TBD
Right of Way Manager
Richard Bennett
Bowman Consulting
Certified Appraisers
Certified Fee Appraiser
Richard Stuchell
Bowman Consulting
Certified Review Appraiser
Raymond Barber
Appraisal Review Specialists
Utility Coordinater
Richard Bennett
Bowman Consulting
Construction Manager
Ryan Carson, CPC
Bryant Contracting, Inc.
Construction
Project Engineer/Scheduling
Kevin Kewer, P.E.
Bryant Contracting, Inc.
Field Engineer
Daniel Hill
Bryant Contracting, Inc.
Public Information/Outreach
Doug Jackson, CPC
Bryant Contracting, Inc.
Maintenance of Traffic
Ryan Carson, CPC
Bryant Contracting, Inc.
Safety Manager
Arthur Emerson
Bryant Contracting, Inc.
Quality Control
QC Inspection
NXL
QC Lab
TBD
Quality Assurance Manager
George Romack, P.E.
EBA Engineering, Inc.
Quality Assurance
QA Inspection
EBA Engineering, Inc.
QA Lab
TBD
=Key Personnel

Section 3.3

Design Build Project Manager: Doug Jackson (Bryant Contracting, Inc.) will hold this role for the life of the Project and will be responsible for all aspects of work for the Bryant Team. Mr. Jackson will be in charge of coordinating all design, construction, quality management, right of way, utilities, and contract administration for the Project. He will also assist VDOT with all necessary public outreach and public meetings. Mr. Jackson will serve as the primary point of contact with VDOT. Mr. Jackson has over twenty-five years of experience partnering with the Department to avoid and resolve any disputes in accordance with the Project specifications.

Quality Assurance Manager: George Romack (EBA Engineering, Inc.) is a registered, licensed, Professional Engineer in the Commonwealth of Virginia and will serve as the QAM for the life of the Project. While reporting to the Design Build Project Manager, his role will be completely independent from all construction and quality control operations. Mr. Romack will be responsible for coordinating the quality assurance inspection and testing for all work performed and material used on the Project. He will be responsible for ensuring that all materials sampling and testing is conducted in conformance with the contract plans and specifications. The QAM has the autonomy to report quality assurance findings directly to VDOT, as well as the Design Build Project Manager. If installed project elements are not in conformance with the Contract Documents, the QAM has the authority to suspend work. The QAM also has the responsibility to verify that corrective actions have been taken before the previously non-conforming elements are accepted.

Design Manager: Rob Dean (AECOM) is a registered, licensed, Professional Engineer in the Commonwealth of Virginia and will perform the role of Design Manager for the life of the Project. Mr. Dean will report directly to the Design Build Project Manager and will coordinate all aspects of the Project design. He will be responsible for ensuring that all facets of the Project design including roadway, structure, hydraulic, traffic, and permitting are in conformance with contract requirements. Mr. Dean will establish and oversee the design QA/QC program, which will review the design, standards, specifications, and constructability of the Project. The design QA/QC program will also review all shop drawings, working plans, and RFIs submitted by the construction team.

Construction Manager: Ryan Carson (Bryant Contracting, Inc.) will hold this role for the life of the Project and will report directly to the Design Build Project Manager. Mr. Carson will be on-site for all construction operations. He will manage daily construction activities, project resources, and all quality control activities. Mr. Carson will be responsible for ensuring that all performed work and materials used meet the requirements of the “approved for construction” plans and specifications. The Construction Manager will maintain the project schedule and coordinate review of construction activities through any required Witness and Hold Points. Mr. Carson will also participate in constructability reviews for each aspect of the Project design.

Mr. Carson currently holds a valid Virginia Department of Environmental Quality Responsible Land Disturber Certification and VDOT Erosion and Sediment Control Contractor Certification. He is currently the Project Superintendent of the Route 17 over Tignor Creek project in Essex County (VDOT Project (NFO) 0017-028-564, B615), which is scheduled to be complete in May of 2016. Next, Mr. Carson will be one of our Project Superintendents on the multiple bridge widenings on Segment I of the I-64 Capacity Improvements Project in Newport News, Virginia. BCI is performing structure construction on this Design-Build project as a subcontractor to

Shirley Contracting Corporation, LLC. Mr. Carson's role on the I-64 Capacity Improvements Project will continue through the summer of 2017. At that time, we anticipate that the construction of the Route 606 Design Build Project will begin and Mr. Carson's duties will be solely allocated to this Project.

Utility Relocation Manager: Richard Bennett (Bowman Consulting Group, Ltd.) will coordinate all necessary utility relocations for the Project. While reporting to the Design Build Project Manager in this role, Mr. Bennett will coordinate existing and proposed utilities with the Design and Construction disciplines. It will be the Utility Manager's primary objective to minimize utility relocations as much as possible. In that regard, Mr. Bennett will coordinate with each individual utility company to ensure their facilities are incorporated into the overall Project with minimal impacts. Where relocations are needed, he will insure that these are planned to avoid adverse construction effects so that the Project schedule will not be delayed.

Right of Way Manager: Richard Bennett (Bowman Consulting Group, Ltd.) will also serve as the Right of Way Manager for the Project and will report directly to the Design Manager in this role. Mr. Bennett will coordinate the entire acquisition process for all right of way and easements necessary to facilitate Project construction. Bowman Consulting Group is a VDOT prequalified right of way acquisition firm. The acquisition process covers appraisals, appraisal reviews, title reports, offers, negotiations, relocation assistance, and settlements. Mr. Bennett will coordinate the fee appraisal, which will be performed by Bowman Consulting Group, and the review appraisal, which will be performed by Appraisal Review Specialists, LLC.

Prequalified Fee Appraiser: Richard Stuchell (Bowman Consulting Group, Ltd.) is a licensed, Certified General Real Estate Appraiser, as well as a VDOT prequalified appraiser. Mr. Stuchell will report to the Right of Way Manager and will perform all fee appraisals necessary due to right of way/easement acquisition.

Prequalified Review Appraiser: R. Scott Barber (Appraisal Review Specialists, LLC) is a licensed, Certified General Real Estate Appraiser, as well as a VDOT prequalified review appraiser. Mr. Barber will report to the Right of Way Manager and will perform all review appraisals necessary due to right of way/easement acquisition.

Geotechnical Engineering: GET Solutions, Inc. will perform and/or oversee all geotechnical inspections, testing, and analyses for the Project. Bruce Spiro, P.E. will report directly to the Design Manager as the teams' geotechnical expert. Mr. Spiro will manage the design level geotechnical investigation needed for proper evaluation of the site's geology and support the team with bridge foundation analysis.

Quality Control: NXL Construction Services, Inc. will perform all quality control inspection and testing for the Project. Quality control inspection personnel will report directly to the Construction Manager. NXL will provide all QC inspection staff along with a certified QC testing lab that is separate and independent from the QA testing lab. NXL will adequately staff the project to ensure that all work and materials meet the requirements of the contract plans and specifications.

Section 3.4 – Experience of Team

Section 3.4 Experience of Offeror's Team

The Bryant Contracting, Inc's design-build team (Bryant Team) is comprised of major partners with well over 100 years of combined service to the transportation industry. During those years, each organization has committed itself to performing top quality work for the Commonwealth of Virginia.

Bryant Contracting, Inc. (BCI) has excelled at proactively partnering with its clients on complex heavy/highway construction projects since its inception in 1984. During that time, BCI has completed numerous "hard bid" and design-build projects in VDOT's Fredericksburg, Richmond, and Hampton Roads Districts. In addition to the Region 4 Multiple Bridge Rehabilitation (Region 4) Project previously mentioned, BCI has participated in at least six other design build transportation projects as a structure specialist. The most prominent design-build project finished to date is the Jamestown Corridor Improvements PPTA Project that BCI completed as a joint venture member of Jamestown 2007 Corridor Constructors, LLC. On this Williamsburg area project, BCI was responsible for the design build portion of the project's sheet pile retaining walls, sound barrier walls, and 840 foot long bridge carrying the new eastbound lane of Route 199 over College Creek.

Team Member	Overall Experience	BCI Experience	D/B Experience
Bryant Contracting, Inc.	31 years	☑	☑
AECOM	25+ years	☑	☑
EBA Engineering, Inc.	34 years	☑	☑
Bowman Consulting Group, Ltd.	25 years	☑	☑
GET Solutions, Inc.	15 years	☑	☑
NXL Construction Services, Inc.	25 years	☑	☑

AECOM is known as a leader in the transportation industry and is ranked #1 by Engineering News Record. AECOM has proudly served the Virginia Department of Transportation for over 60 years and has provided design services on projects similar to this project. Their organizational structure allows efficient access to the full expertise and capacity of the combined resources of AECOM. AECOM's Virginia offices have transportation resources of over 150 technical personnel who provide expertise in bridge, roadway, hydraulics, and other transportation related disciplines. AECOM will also provide implementation and oversight of the Design Quality Control / Quality Assurance aspects for this project. The Design QC/QA Plan for this project will be patterned after AECOM's ISO 9001 certified Quality Management System, which has proven effective on several previous VDOT design-build projects. AECOM brings to this team a rich blend of local experience and responsive service with world-class support capabilities, which have proven successful in previous VDOT Design-Build projects with Bryant Contracting, including the Region 4 Multiple Bridge D-B project, as well as various construction temporary works and design build project pursuits.

EBA Engineering, Inc. (EBA) has provided exceptional professional engineering and management services to a wide variety of satisfied clients in both the public and private sectors since 1981. As a relationship based, customer focused company, EBA is committed to bringing

their clients rapid response times and exceptional results that are the outcome of their daily commitment to deliver high quality services. EBA is a certified Disadvantaged Business Enterprise [#003667] in the Commonwealth of Virginia. BCI has worked with EBA's construction management and inspection personnel since 2009 on both the construction of design build projects and design-build project pursuits.

Bowman Consulting Group, Ltd. (BCG) has been providing transportation planning and engineering services to both public and private clients for just over 25 years. Specific to our team needs, BCG provides utility relocation, right of way scope analysis, platting, preliminary design plan review, public hearing support, pre-acquisition support, and acquisitions. BCI has enjoyed an ongoing relationship with Richard Bennett, P.E. for at least the past 15 years. Richard served as Utility Relocation Manager and Right of Way Manager on our Jamestown Corridor Improvements PPTA Project which began in 2001.

GET Solutions, Inc. (GET) is a full service regional geotechnical, environmental, testing firm with a staff that has over 80 years of combined local professional experience and knowledge regarding subsurface exploration requirements and materials testing and inspections. GET is a SWaM certified firm by the Commonwealth of Virginia [#656305] that began operations in 2000. BCI has maintained an ongoing working relationship with Bruce Spiro, P.E. for at least the last 25 years as he has supported us with his geotechnical expertise on numerous bridge projects. Most recently, Bruce and his GET associates assisted BCI with geotechnical analysis and quality control inspections on auger cast piles that were installed on our Route 105 (Fort Eustis Boulevard) over CSX Transportation project in Newport News, Virginia.

NXL Construction Services, Inc. (NXL) is currently celebrating 25 years of service as a construction management and surveying firm specializing in transportation projects. NXL's construction management organization is a certified Disadvantaged Business Enterprise [#626437] in the Commonwealth of Virginia. BCI has been working with NXL's construction management team for many years on both "hard bid" and design build transportation projects. Most notably, NXL provided the Independent Assurance inspection and testing for VDOT on our Region 4 Project. Additionally, NXL recently provided construction inspection services to the City of Newport News on our Route 105 (Fort Eustis Boulevard) over CSX Transportation project from March of 2013 to July of 2015.

As you can tell from the brief experience outlines above, BCI chose its team partners for the Route 606 Bridge Replacement Project very carefully based on positive working histories with each company and/or their key personnel. It is our team's genuine desire to deliver another top quality project to the Virginia Department of Transportation.

Jack L. Massie Memorial Bridge
Route 199 EBL over College Creek, James City County, Virginia

3.4.1 Work History Forms: Lead Contractor and Lead Designer Work History Forms are included in **Appendix 3.4**.

Section 3.5 Project Risks

The Bryant Contracting, Inc. (BCI) design-build team (Bryant Team) has identified several facets of this project that may pose risk to the project and stakeholders if they are not properly mitigated. Possible consequences of these risks include additional costs, schedule delays, traffic congestion, utility service interruptions, impacts to local businesses, and negative public perception of the project. Our team realizes the importance of diligent planning and early coordination in the design and construction phases to mitigate these risks. Our Design Build Project Manager, Design Manager, and Construction Manager have worked together on previous VDOT design-build projects to mitigate the potential impacts of such risks, while successfully delivering within the original schedule and budget.

Based on our time spent exploring the project site, and our review of existing documents that were provided, the Bryant Team has identified three of the key risk areas that could significantly impact this project and has described them in more detail below. We are committed to working with the Department to actively mitigate these risks and other items that may arise during design and construction.

Risk #1: Traffic Management During Construction

Risk Identification:

Traffic Management during construction will be critical to maintain access to local businesses and enable effective functionality for traffic flow of Route 606, I-95, Mallard Road, and Route 1. The proposed bridge replacement by phased construction will require **multiple traffic shifts** on Route 606. This road carries about 12,000 vehicles per day between the I-95 interchange and the Route 1 intersection to the west, and it provides access to the community of Thornburg. On the east side of I-95, Route 606 serves the VDOT Fredericksburg Traffic Operations Center and adjacent maintenance training facility, and it will also provide access to the future **Dominion Raceway** scheduled to open during construction of this project.

This project will also affect **traffic on I-95** with lane and shoulder closures required during the construction of the bridge abutments, median pier, girder erection, and adjacent reconstruction of the interchange ramps. I-95 in this area is a six lane rural interstate carrying over 100,000 vehicles per day. It provides a direct connection between Richmond and the Northern Virginia / Washington DC area, and it serves as part of a vital north-south interstate corridor that runs along the entire East Coast.

Mallard Road on the east side of I-95 is a two lane local road that currently provides access to a large Recreational Vehicle (RV) dealer, a truck repair facility, and several other businesses. The proposed reconfiguration of Mallard Road will also provide access to the gas station that is currently located on Route 606.

Route 1 runs parallel with I-95 to the west, carrying approximately 14,000 vehicles per day and providing regional connections to many communities, including Ashland to the south and Fredericksburg to the north. Although Route 1 will not be directly impacted by construction on this

project, it may be indirectly affected by the proposed Traffic Management since it can serve as a local detour route when there is traffic congestion or incidents on I-95.

Impacts: Why is this Risk Critical?

Traffic Management is a critical risk because it has the potential to create significant impacts for the largest number of stakeholders, including local communities, adjacent businesses, local traffic, and the traveling public on I-95. If this risk is not properly mitigated, these impacts could include **traffic congestion**, economic losses, project schedule delays, safety hazards, and public dissatisfaction with the project and the Department. Since the nearest interchanges are more than 8 miles north and south of Route 606, there are limited detours for local traffic if an unexpected closure occurs. The large traffic volumes on the interstate mean that traffic impacts from this project could have far-reaching **economic and social effects**. Unforeseen impacts to businesses can result in lengthy claims that may consume resources long after the project is complete.

One of the most critical aspects of Traffic Management is the potential impact on **safety in the work environment**. Providing for the safety of the traveling public and all project workers must always be paramount with any VDOT construction project. Advance planning, open communication, thorough traffic analysis, optimized sequence of construction, and project execution by experienced personnel committed to partnering with the Department are the keys to successfully mitigating this critical risk.

Risk Mitigation Strategy:

Our team has identified several key elements for mitigation of traffic risks on this project:

- **Advance Planning and Communication** will be critical to ensuring that the public and other stakeholders are informed of the project schedule and the anticipated traffic impacts. Our team will begin planning during the design process, partnering with adjacent businesses to understand their operations and the impacts of all proposed traffic shifts, temporary lane or shoulder closures, and new traffic patterns. As the project advances, we will provide regular schedule updates to continually maintain communication with these stakeholders.

  During design, our Team's traffic engineers will work closely with the Department to develop a Public Communications Plan to keep motorists informed of the project's impacts. We anticipate that this plan may include notifications through the VDOT website, the 511 application, and social media apps like Waze and INRIX. During construction, our Construction Manager, Ryan Carson, will work closely with the Traffic Operations Center to ensure that all work is properly scheduled and coordinated through VDOT's Lane Closure Advisory Management System (LCAMS). Making use of existing dynamic message signs on I-95 and placing temporary message signs along Route 606 and Route 1 will also be important for alerting motorists of upcoming work.

- **Thorough Traffic Analysis** will be another important part of our team's risk mitigation strategy. During the design phase, our Traffic Engineers will thoroughly evaluate the impacts of all proposed lane closures and changes in traffic patterns during construction. AECOM recently completed a similar evaluation for the proposed improvements and roundabout on Route 11 at I-81 Exit 150. This analysis will shape the project schedule by accounting for seasonal variations in traffic, scheduled events at Dominion Raceway and holidays where traffic volumes on I-95 can be significantly higher. Although a Traffic Impact Analysis has already been prepared by Dominion Raceway, continued coordination will be important to understand any changes in their operations during construction. In addition to analyzing the direct impacts of project construction, our team will also evaluate the effects of incidents on I-95 that could cause higher traffic volumes through the work zone on VA 606 due to motorists using Route 1 as an alternative route.
- **Optimized Sequence of Construction** on this project will minimize traffic impacts and delays. Our team will carefully evaluate the project to determine if any changes to the bridge/roadway alignment or positioning of the roundabout may be able to shorten the project duration and reduce traffic impacts on Route 606 during phased construction. Impacts to traffic on I-95 also require careful planning and abundant communication. AECOM recently completed the VDOT Design-Build project for Truck Climbing Lanes on I-81 in Rockbridge County, where interstate traffic impacts were mitigated through a combination of rolling closures, night-time work schedules, and use of on & off ramps as temporary detours. BCI similarly has experience minimizing traffic impacts for bridge construction over the interstate. BCI constructed the Brook Road over I-95 project in Richmond and was able to pro-actively partner with VDOT to modify the traffic patterns and work sequencing, allowing acceleration of the overall project schedule.
- **Project Execution by Experienced Key Personnel** will be critical to mitigating the risk of traffic congestion and successfully implementing the Traffic Management Plan. Our Design-Build Project Manager, Design Manager, and Construction Manager have significant combined experience with design-build delivery and have all successfully worked together as a team on past projects to overcome similar risks and minimize traffic impacts on VDOT projects.

Expected Role of VDOT and Other Agencies

We anticipate that VDOT will need to actively participate in the planning and public communication process, granting access to public communication media outlets, and providing technical reviews of the proposed sequence of construction and traffic analysis. Our team's goal will be to partner with VDOT and other participating agencies to successfully deliver the project and minimize the risk of

traffic impacts. Throughout the project, the Bryant Team will strive to provide a complete solution to minimize additional effort needed from the Department.

Risk #2: Interface with Third-Party Stakeholders

Risk Identification:

The current concept plans indicate the need to acquire right-of-way (ROW) from **five parcels** and **relocate three businesses**. Several of the acquisitions are from properties with complex acquisitions. One parcel has a Virginia Outdoors Foundation (VOF) open space easement restriction and another is a capital outlay property used by VDOT.

Utility facilities located within the project boundary include electric power, Verizon telephone (both copper and fiber), Summit IT fiber optic, VDOT ITS fiber, as well as public water and sanitary sewer facilities.

The proposed schedule establishes a set timeframe of 35 months between project award and construction completion. While that timeframe seems long, right-of-way acquisitions and utility relocation authorizations cannot begin until the project design is advanced to the right-of-way stage. Any delays in the interface with third-party stakeholders such as the acquisition of right-of-way, the relocation of businesses, and the relocation or adjustment of utilities would affect the time remaining to actually construct the road and bridge improvements. The ability to complete these work activities is affected by these third parties' responses and actions.

Impacts: Why is this Risk Critical?

Interface with other stakeholders is a critical risk to the project because it can create significant schedule delays if not mitigated properly. With the sequence of construction activities partly dictated by the need to address maintenance of traffic requirements, certain portions of the work will need to occur in **early stages of construction**, such as the closure of Mallard Road. The realignment of Mallard Road and construction of the new roundabout will require that the ROW acquisition and utility adjustments be completed in an early track, as well. Delays in these activities could have significant impacts on the project schedule.

Acquiring a property with a **VOF easement** can potentially involve acquiring a new parcel to serve as a conversion site, depending on the VOF terms. Conversion can be delayed by the time required to acquire the replacement site and finalize the agreement with VOF and the landowner. Our team's experience on previous projects has shown that the resolution of the VOF easements can require as much as 12 months of interface and coordination. The capital outlay property, while used by VDOT, is controlled by the Department of General Services. To convert the required right-of-way area to road use will require an agreement approved by both VDOT and DGS.

For relocation of the three businesses, the timing of advance notice, potential renovations at replacement sites, and possible legal proceedings can all extend the time required to clear that parcel for construction. Utility adjustments require lead time for coordination, design, and construction of relocations and can be delayed by the timing of acquisitions.

Risk Mitigation Strategy:

In recognition of these risks, our first tactic to mitigate potential impacts was the assembly of a team of professionals with substantial **experience successfully resolving** these issues. The Bryant Team Lead for Right-of-Way and Utility Coordination, Mr. Richard Bennett, has more than 40 years of experience in this field and has completed right-of-way acquisitions and utility relocations on major projects such as the I-495 Express Lanes project and the Woodrow Wilson Bridge replacement. He has a proven record of planning and coordinating right-of-way acquisitions and utility relocations being performed by the utility companies so that they are cleared in the scheduled areas on time.

Another key strategy for mitigation is to **avoid ROW and utility impacts**. Our design team will evaluate alternatives for project layout and design that can eliminate the need for easements and adjustments. These alternatives can include development of an effective sequence of construction, profile grade adjustments, rerouting of drainage facilities, or incorporation of retaining walls to contain grading limits. These strategies may be particularly effective in avoiding the need for VOF easements.

The Bryant Team will be **proactive**, beginning with the Notice of Award in addressing the ROW and Utility impacts. Our familiarity with the process allows us to anticipate obstacles to successful resolution and integrate these activities into the overall project schedule.

Utility relocation will begin with early contact with the utility owners, securing necessary technical information and actively involving them in the project development process. Contact with the VOF will be initiated even before the determination of the final right-of-way requirements. Their determination of the need to convert the easement or allow its acquisition for a monetary consideration will be confirmed in the early stages of the project.

For business relocations, our team will make early goodwill contacts to discover the business owner's intentions. They could decide to continue at the site with the new access location, a possibility for the service garage; move to a new site; or retire and go out of business. Relocation assistance planning would be based on those possibilities. As soon as the right-of-way process allows, we will meet with the displacees and explain and offer relocation benefits. All notices and vacation notices will be sent allowing the displacees reasonable and statutory time to move.

Expected Role of VDOT and Other Agencies

Our team is responsible for coordinating and negotiating with affected parties. VDOT will review and approve the final design, right-of-way plans, and responses to ROW submissions and issues. The Department will also provide assistance in coordinating the inter-agency agreement with the Department of General Services for the utilization of that proposed right-of-way parcel.

Risk #3: Stormwater Management and Environmental Impacts

Risk Identification:

Stormwater Management (SWM) and environmental impacts present risks that are common to most transportation projects, as they can significantly affect the project schedule, cost, and right-of-way.

This project has two primary drainage outfalls. The conceptual drainage design does not include a SWM facility for the northern outfall, despite sending increased runoff from the adjusted ramps and widened Route 606 bridge/interchange. If the existing channel is inadequate or the outfall does not have sufficient capacity to accept this additional runoff, it is possible that an additional basin or channel improvements could be required.

The conceptual design for the Route 606 project shows two proposed **SWM facilities** located at the southern end of the project along the relocated Mallard Road. Based on the information provided, these facilities appear to impact approximately 0.18 acres of forested wetlands. Permitting for these wetland impacts could pose risk to the project schedule and increase cost unless properly evaluated and mitigated early in the design. The Southeastern outfall extends just outside of the surveyed area, creating uncertainty about the adequacy of the natural receiving channel in the proposed drainage easement.

Initial evaluations determined that the project will meet the criteria for Programmatic Categorical Exclusion / Categorical Exclusion. A planning level environmental evaluation of the project site using a compilation of databases from various agencies identified potential **petroleum release facilities** and **wetlands** in the project vicinity.

Impacts: Why is this Risk Critical?

Stormwater management and environmental impacts are a critical risk to the project because they can lead to additional costs and schedule delays if not properly mitigated. It is imperative to discover adequacy issues or challenges to meeting the SWM requirements early in the design process, as these can lead to the need for additional survey, as well as extended right-of-way or easement acquisition for channel improvements and additional SWM facilities. Likewise, the **lead time for permitting** approvals for environmental impacts requires that these issues be identified and initiated early in the project development.

Risk Mitigation Strategy:

Based on a review of the conceptual design files and existing survey information, our team has identified several key items that will be important to mitigate the risks associated with SWM and environmental impacts on this project:

- **Determination of Applicable Regulations:** One key issue related to stormwater management on this project will be determining whether the new VSMP regulations will apply (runoff reduction, energy balance, etc.) or whether the project can be 'grandfathered' to the older performance-based regulations. Grandfathering requires the obligation of project funding by July 1, 2012 and that construction is commenced by July 1, 2019. The necessary quantity, size, and costs of the SWM facilities will be heavily impacted by this determination.

  The project's land disturbance will exceed 5 acres, so under the current SWM regulations at least 75% of the water quality treatment must occur on-site. This will be difficult to achieve with only two SWM facilities, which only have approximately 50% of the proposed impervious area draining to them.

- **Minimizing Wetland Impacts:** The size and location of SWM basins will be developed with intent to avoid or minimize impacting the wetlands in the vicinity of Route 606. Our design team will evaluate and document multiple innovative SWM facility options that may reduce impacts. This requires accurate delineation and confirmation of wetland limits, as well as assessment of SWM requirements early in the design process. The team will also begin early coordination with representatives from the Corps of Engineers to discuss permitting and any special requirements. This coordination is critical to mitigate impacts to the project schedule. AECOM recently designed the I-264/64 Ramp D7 project in Norfolk, VA, with a very aggressive schedule. This project required coordination with the Corps throughout the design process, including substantial evaluation and documentation of multiple design alternatives prior to acceptance of the final design.

- **Evaluating Alternatives for Stormwater Management:** The project's land disturbance will exceed 5 acres, so under the current SWM regulations at least 75% of the water quality treatment must occur on-site. This will be difficult to achieve with only two SWM facilities, which only have approximately 50% of the proposed impervious area draining to them. The intensive SWM BMP's that would be required to achieve the pollutant removal for this project using only two facilities are most likely bioretention basins that require about 6' of vertical clearance from the bottom of the basin to the water table. This space is occupied by engineered soil media, a stone reservoir layer, an underdrain and 2 feet of clearance to the seasonally high water table. Since these conceptual facilities are located adjacent to wetlands, a high water table is a substantial risk to successful implementation. During the design process, our team will evaluate other possible methods to meet the SWM requirements on this project, including the use of nutrient credit purchases. It is possible that innovative SWM facilities may be required to avoid additional right-of-way or easement on the project.

Expected Role of VDOT and Other Agencies:

Throughout the project, the Bryant Team will strive to provide a complete solution to minimize effort needed from the Department. Our team will conduct a reevaluation of previous permit determinations to ensure compliance with current NEPA guidelines and standards, address items necessary for the acquisition of water quality permits, and fulfill appropriate environmental commitments. The Department will assist with inter-agency coordination and will review stormwater management plans and environmental mitigations.

Attachment 3.2.6 Affiliated and Subsidiary Companies

ATTACHMENT 3.2.6

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

Affiliated and Subsidiary Companies of the Offeror

Offerors shall complete the table and include the addresses of affiliates or subsidiary companies as applicable. By completing this table, Offerors certify that all affiliated and subsidiary companies of the Offeror are listed.

☐	**The Offeror does not have any affiliated or subsidiary companies.**
☒	**Affiliated and/ or subsidiary companies of the Offeror are listed below.**

Relationship with Offeror (Affiliate or Subsidiary)	Full Legal Name	Address
Affiliate (Common Owner)	Bryant Properties, LLC	P.O. Box 1000, Toano, VA 23168
Affiliate (Common Owner)	Bryant Resources, LLC	P.O. Box 1000, Toano, VA 23168
Affiliate (Common Owner)	Bryant Tower Investments, LLC	P.O. Box 1000, Toano, VA 23168
Affiliate (Joint Venture)	Dominion Boulevard Constructors J.V.	6700 McLean Way, Glen Burnie, MD 21060
Affiliate (Common Owner)	Bryant Structures, Inc.	P.O. Box 1000, Toano, VA 23168

Attachment 3.2.7(a) Certificate Regarding Debarment Primary Covered Transactions

ATTACHMENT NO. 3.2.7(a)

CERTIFICATION REGARDING DEBARMENT
PRIMARY COVERED TRANSACTIONS

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

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, and 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.

1/20/2016 President

Signature Date Title

Bryant Contracting, Inc.

Name of Firm

Attachment 3.2.7(b) Certificate Regarding Debarment Lower Tier Covered Transactions

ATTACHMENT NO. 3.2.7(b)

CERTIFICATION REGARDING DEBARMENT
LOWER TIER COVERED TRANSACTIONS

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

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.

Kam Khalili 11/28/2016 VA OPERATIONS MANAGER, TRANSPORTATION

Signature Date Title

AECOM Technical Services, Inc.

Name of Firm

ATTACHMENT NO. 3.2.7(b)

CERTIFICATION REGARDING DEBARMENT
LOWER TIER COVERED TRANSACTIONS

Project No.: 0606-088-653, C501 & 0606-088-622, C501, B634 (Route 606 Bridge Replacement over I-95)

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.

Robert J. Sebastio 1/20/2014 — Chairman

Signature Date — Title

EBA Engineering, Inc.

Name of Firm

ATTACHMENT NO. 3.2.7(b)

CERTIFICATION REGARDING DEBARMENT
LOWER TIER COVERED TRANSACTIONS

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

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 _____ Date 1/11/2016 _____ Title Chief Legal Officer

Name of Firm Bowman Consulting Group, Ltd.

ATTACHMENT NO. 3.2.7(b)

CERTIFICATION REGARDING DEBARMENT
LOWER TIER COVERED TRANSACTIONS

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

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.

R. Scott [illegible]	January 20, 2016	Managing Partner
Signature	Date	Title

Appraisal Review Specialists, LLC
Name of Firm

ATTACHMENT NO. 3.2.7(b)

CERTIFICATION REGARDING DEBARMENT
LOWER TIER COVERED TRANSACTIONS

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

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.

Michael T. Ruby 1/20/16 President
Signature Date Title

NXL Construction Services, Inc.
Name of Firm

ATTACHMENT NO. 3.2.7(b)

CERTIFICATION REGARDING DEBARMENT
LOWER TIER COVERED TRANSACTIONS

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

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.

	January 21, 2016	Principal Geotechnical Engineer
Signature	Date	Title

Geotechnical Environmental and Testing Solutions, Inc. d/b/a GET Solutions, Inc.

Name of Firm

Attachment 3.2.8 Bryant Contracting, Inc.'s Certificate of Qualification

COMMONWEALTH OF VIRGINIA

VDOT
Virginia Department of Transportation

CERTIFICATE OF QUALIFICATION

BRYANT CONTRACTING, INC.

Vendor Number: **B303**

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; MINOR STRUCTURES

Issue Date: February 28, 2015

This Rating and Classification will Expire: February 29, 2016

Suzanne FR Lucas, State Prequalification Officer

Don E. Silies, Director of Contracts

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.

Attachment 3.2.9 Letter from Surety

Cynthia D. O'Bryan
Bond & Speciality Insurance
9954 Mayland Dr., #6100
Richmond, VA 23233
Phone: (804) 965-9277
E-mail:COBRYAN@Travelers.com

January 21, 2016

Commonwealth of Virginia
Department of Transportation

Re: Bryant Contracting, Inc.
Design-Build Route 606 Bridge Replacement Over I-95 with 606 Improvements
Spotsylvania County, Virginia (Contract ID Number: C00105463DB89)
Estimated Contract Value: $13,600,000

To Whom It May Concern:

You have requested Bryant Contracting, Inc. provide evidence of bonding capacity in connection with the above captioned project. I am pleased to offer the following information.

It is the privilege of Travelers Casualty and Surety Company of America to provide surety bonds for Bryant. We have bonded single projects of over $20,000,000 within an aggregate program of up to $40,000,000 for a wide variety of owners.

As surety for the above named Contractor, Bryant Contracting, Inc., Travelers Casualty and Surety Company of America with an A.M. Best Rating of A++ and financial size category XV is capable of obtaining 100% Performance Bond and 100% Labor and Materials Payment Bond in the amount of the anticipated cost of construction, and said bonds will cover the Project and any warranty periods as provided for in the Contract Documents on behalf of the Contractor, in the event that such firm be the successful bidder and enter into a contract for the Project

Regards,

TRAVELERS CASUALTY AND SURETY COMPANY OF AMERICA

Cynthia D. O'Bryan

Cynthia D. O'Bryan

Attachment 3.2.10 Virginia State Corporation Commission (SCC) Registrations, Virginia Department of Professional and Occupational Regulations (DPOR) Licenses

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.

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
Bryant Contracting, Inc.	0205723	Corporation	Active	P.O. Box 1000 Toano, VA 23168	Class A Contractor	2701025574	12-31-16
AECOM Technical Services, Inc.	F1078502	Corporation	Active	440 Monticello Ave. Norfolk, VA 23510	ENG, ARC	0411000679	02-29-16
				10 S. Jefferson St. Roanoke, VA 24011	ENG, ARC	0411000684	02-29-16
EBA Engineering, Inc.	F1239005	Corporation	Active	287 Shingle Oak Lane Nellysford, VA 22958	ENG	0411000659	02-29-16
				311 North Madison Rd. Orange, VA 22960	ENG	0411001032	02-29-16
Bowman Consulting Group, LTD.	04481982	Corporation	Active	650A Nelms, Circle Fredericksburg, VA 22406	LS, ENG	0411000421	02-29-16
				3951 Westerre Pkwy Suite 150 Richmond, VA 23233	ENG, LS	0411000610	02-29-16
Appraisal Review Specialists, LLC	T0490682	Foreign Limited Liability Company	Active	3058 Mount Vernon Road, Suite 12 Hurricane WV 25523	Appraisal Business	4008001735	04-30-16
NXL Construction Co., Inc.	03497427	Corporation	Active	114 E. Cary St., Suite 200 Richmond, VA 23219	ENG, LS	0407003031	12-31-17
Geotechnical Environmental & Testing Solutions, Inc.	05418470	Corporation	Active	204-B Grayson Road Virginia Beach, VA 23462	ENG	0407004018	12-31-17

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
AECOM Technical Services, Inc.	Daniel Robertson Dean, Jr	Roanoke, VA	10 S. Jefferson St. Roanoke, VA 24011	Professional Engineer	0402033530	07-31-17
EBA Engineering, Inc.	George Patton Romack	Orange, VA 22960	96 Hamlin Dr. Fredericksburg, VA 22405	Professional Engineer	0402041824	02-29-16
Bowman Consulting Group, LTD.	Richard David Stuchell	Fredericksburg, VA	10012 Shadowridge Ct. Fredericksburg, VA 22407	Certified General Real Estate Appraiser	4001011856	11-30-16
Appraisal Review Specialists, LLC	Raymond Scott Barber	Hurricane WV	3058 Mount Vernon Road Hurricane, WV 25526	Certified General Real Estate Appraiser	4001012258	03-31-17
Appraisal Review Specialists, LLC	Philip Jay Shwartz	Hurricane WV	North Myrtle Beach, SC 29582	Certified General Real Estate Appraiser	4001012244	03-31-17

SCC eFile
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SCC eFile

Business Entity Details

Help

BRYANT CONTRACTING, INC.

General

SCC ID: 02605723
Entity Type: Corporation
Jurisdiction of Formation: VA
Date of Formation/Registration: 8/31/1984
Status: Active
Shares Authorized: 5000

Principal Office

P. O. BOX 1000
TOANO VA23168

Registered Agent/Registered Office

M. ANDERSON BRADSHAW
7884 RICHMOND ROAD
P.O. BOX 456
TOANO VA 23168
JAMES CITY COUNTY 147
Status: Active
Effective Date: 8/30/1991

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

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Screen ID: e1000

Commonwealth of Virginia

State Corporation Commission

CERTIFICATE OF GOOD STANDING

I Certify the Following from the Records of the Commission:

That AECOM Technical Services, Inc., a corporation incorporated under the law of California, 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 July 2, 1991; 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:

June 4, 2012

Joel H. Peck

Joel H. Peck, Clerk of the Commission

CISECOM
Document Control Number: 1206045628

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SCC eFile

Business Entity Details

Help

AECOM Technical Services, Inc.

General

SCC ID: F1078502
Entity Type: Foreign Corporation
Jurisdiction of Formation: CA
Date of Formation/Registration: 7/2/1991
Status: Active
Shares Authorized: 2500

Principal Office

515 S. FLOWER ST.
SUITE 1050
LOS ANGELES CA90071

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

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

Screen ID: e1000

Commonwealth of Virginia

STATE CORPORATION COMMISSION

Richmond, January 2, 1996

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

EBA Engineering, Inc.

a corporation organized under the laws of MARYLAND
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:

William J. Bridge

Clerk of the Commission

SCC eFile
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SCC eFile

Business Entity Details

Help

EBA Engineering, Inc.

General

SCC ID: F1239005
Entity Type: Foreign Corporation
Jurisdiction of Formation: MD
Date of Formation/Registration: 10/22/1997
Status: Active
Shares Authorized: 1000000

Principal Office

4813 SETON DRIVE
BALTIMORE MD21215

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

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

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Screen ID: e1000

Commonwealth of Virginia

STATE CORPORATION COMMISSION

Richmond, June 7, 1995

This is to Certify that the certificate of incorporation of

Bowman Consulting Group, P.C.

was this day issued and admitted to record in this office and that the said corporation is authorized to transact its business subject to all Virginia laws applicable to the corporation and its business. Effective date:

June 7, 1995

State Corporation Commission

William J. Bridge

Clerk of the Commission

SCC eFile
FAST. SIMPLE. SECURE.

SCC eFile

Business Entity Details

Help

BOWMAN CONSULTING GROUP, LTD.

General

SCC ID: 04481982
Entity Type: Corporation
Jurisdiction of Formation: VA
Date of Formation/Registration: 6/7/1995
Status: Active
Shares Authorized: 360000

Principal Office

3863 CENTERVIEW DRIVE
SUITE 300
CHANTILLY VA20151

Registered Agent/Registered Office

ROBERT A HICKEY
3863 CENTERVIEW DR STE 300
CHANTILLY VA 20151
FAIRFAX COUNTY 129
Status: Active
Effective Date: 5/13/2004

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

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Screen ID: e1000

Commonwealth of Virginia

State Corporation Commission

CERTIFICATE OF FACT

I Certify the Following from the Records of the Commission:

That Appraisal Review Specialists, LLC, a limited liability company organized under the law of West Virginia, obtained a certificate of registration to transact business in Virginia from the Commission on February 3, 2012; and

That it is registered to transact business 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:
June 24, 2013

Joel H. Peck

Joel H. Peck, Clerk of the Commission

CISECOM
Document Control Number: 1306245476

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Business Entity Details

Help

Appraisal Review Specialists, LLC

General

SCC ID: T0490682
Entity Type: Foreign Limited Liability Company
Jurisdiction of Formation: WV
Date of Formation/Registration: 2/3/2012
Status: Active

Principal Office

3058 MOUNT VERNON RD
HURRICANE WV25526

Registered Agent/Registered Office

INCORP SERVICES INC
7288 HANOVER GREEN DR
MECHANICSVILLE VA 23111
HANOVER COUNTY 142
Status: Active
Effective Date: 2/3/2012

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
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Screen ID: e1000

Commonwealth of Virginia

State Corporation Commission

I Certify the Following from the Records of the Commission:

NXL Construction Co., Inc. is a corporation existing under and by virtue of the laws of Virginia, and is in good standing.

The date of incorporation is November 17, 1989.

Nothing more is hereby certified.

Signed and Sealed at Richmond on this Date:
July 10, 2007

Joel H. Peck

Joel H. Peck, Clerk of the Commission

STATE CORPORATION COMMISSION
VIRGINIA
SIC SEMPER TYRANNIS
1903

CIS0448

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SCC eFile

Business Entity Details

Help

NXL Construction Co., Inc.

General

SCC ID: 03497427
Entity Type: Corporation
Jurisdiction of Formation: VA
Date of Formation/Registration: 11/17/1989
Status: Active
Shares Authorized: 5000

Principal Office

114 E CARY STREET SUITE 200
RICHMOND VA23219

Registered Agent/Registered Office

NICOMEDES L DE LEON
9606 GEORGE'S BLUFF RD
RICHMOND VA 23229
HENRICO COUNTY 143
Status: Active
Effective Date: 10/8/1998

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
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Business Entity Details

Help

Geotechnical Environmental and Testing Solutions,Inc.

General

SCC ID: 05418470
Entity Type: Corporation
Jurisdiction of Formation: VA
Date of Formation/Registration: 6/16/2000
Status: Active
Shares Authorized: 5000

Principal Office

204 GRAYSON ROAD
VIRGINIA BEACH VA23462

Registered Agent/Registered Office

TERENCE MURPHY
KAUFMAN & CANOLES PC
150 W MAIN ST STE 2100
NORFOLK VA 23510
NORFOLK CITY 212
Status: Active
Effective Date: 7/17/2002

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
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EXPIRES ON
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Telephone: (804) 367-8500

NUMBER
2701025574

BOARD FOR CONTRACTORS
CLASS A CONTRACTOR
CLASSIFICATIONS H/H

BRYANT CONTRACTING INC
PO BOX 1000
TOANO, VA 23168

Jay W. DeBoer, Director

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COMMONWEALTH OF VIRGINIA
CLASS A BOARD FOR CONTRACTORS
CONTRACTOR

CLASSIFICATIONS H/H
NUMBER: 2701025574 EXPIRES: 12-31-2016

BRYANT CONTRACTING INC
PO BOX 1000
TOANO, VA 23168

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COMMONWEALTH OF VIRGINIA

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02-29-2016

9960 Mayland Dr., Suite 400, Richmond, VA 23233
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NUMBER
0411000679

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

PROFESSIONS: ENG, ARC

AECOM TECHNICAL SERVICES INC
1500 WELLS FARGO CENTER
440 MONTICELLO AVE
NORFOLK, VA 23510

Nick A. Christner
Nick A. Christner, Interim Director

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COMMONWEALTH OF VIRGINIA
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PROFESSIONS: ENG, ARC
AECOM TECHNICAL SERVICES INC
1500 WELLS FARGO CENTER
440 MONTICELLO AVE
NORFOLK, VA 23510

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

PROFESSIONS: ARC, ENG

AECOM TECHNICAL SERVICES INC
10 SOUTH JEFFERSON ST.
ROANOKE, VA 24011

Nick A. Christner
Nick A. Christner, Interim Director

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COMMONWEALTH OF VIRGINIA
BOARD FOR APELSCIDLA
BUSINESS ENTITY BRANCH OFFICE REGISTRATION
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PROFESSIONS: ARC, ENG
AECOM TECHNICAL SERVICES INC
10 SOUTH JEFFERSON ST.
ROANOKE, VA 24011

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Telephone: (804) 367-8500

NUMBER
0411000659

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

PROFESSIONS: ENG

EBA ENGINEERING, INC
287 SHINGLE OAK LANE
NELLYSFORD, VA 22958

Nick A. Christner
Nick A. Christner, Interim Director

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COMMONWEALTH OF VIRGINIA
BOARD FOR APELSCIDLA
BUSINESS ENTITY BRANCH OFFICE REGISTRATION
NUMBER: 0411000659 EXPIRES: 02-29-2016
PROFESSIONS: ENG
EBA ENGINEERING, INC
287 SHINGLE OAK LANE
NELLYSFORD, VA 22958

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

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02-29-2016

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0411001032

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

PROFESSIONS: ENG

EBA ENGINEERING INC
311 NORTH MADISON RD
ORANGE, VA 22960

Gordon N. Dixon, Director

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EXPIRES ON
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NUMBER
0411000421

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

PROFESSIONS: LS, ENG

BOWMAN CONSULTING GROUP LTD
650A NELMS CIRCLE
FREDERICKSBURG, VA 22406

Gordon N. Dixon, Director

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BOARD FOR APELSCIDLA
BUSINESS ENTITY BRANCH OFFICE REGISTRATION
NUMBER: 0411000421 EXPIRES: 02-29-2016
PROFESSIONS: LS, ENG
BOWMAN CONSULTING GROUP LTD
650A NELMS CIRCLE
FREDERICKSBURG, VA 22406

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

PROFESSIONS: ENG, LS

BOWMAN CONSULTING GROUP LTD
3951 WESTERRE PKWY
SUITE 150
RICHMOND, VA 23233

Gordon N. Dixon, Director

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BOARD FOR APELSCIDLA
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NUMBER: 0411000610 EXPIRES: 02-29-2016
PROFESSIONS: ENG, LS
BOWMAN CONSULTING GROUP LTD
3951 WESTERRE PKWY
SUITE 150
RICHMOND, VA 23233

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COMMONWEALTH OF VIRGINIA

EXPIRES ON
04-30-2016

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

NUMBER
4008001735

REAL ESTATE APPRAISER BOARD
APPRAISAL BUSINESS REGISTRATION

APPRAISAL REVIEW SPECIALISTS LLC
3058 MOUNT VERNON ROAD
SUITE 12
HURRICANE, WV 25523

Nick A. Christner
Nick A. Christner, Interim Director

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APPRAISAL BUSINESS REGISTRATION
NUMBER: 4008001735 EXPIRES: 04-30-2016

APPRAISAL REVIEW SPECIALISTS LLC
3058 MOUNT VERNON ROAD
SUITE 12
HURRICANE, WV 25523

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Department of Professional and Occupational Regulation
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EXPIRES ON
12-31-2017

NUMBER
0407003031

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

PROFESSIONS: ENG, LS

NXL CONSTRUCTION CO INC
NXL CONSTRUCTION SERVICES INC
114 E CARY ST STE 200
RICHMOND, VA 23219

DPOR

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

Jay W. DeBoer, Director

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DPOR-LIC (05/2015)

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DPOR COMMONWEALTH of VIRGINIA
Department of Professional and Occupational Regulation

BOARD FOR APELSCIDLA
BUSINESS ENTITY REGISTRATION
NUMBER: 0407003031 EXPIRES: 12-31-2017
PROFESSIONS: ENG, LS
NXL CONSTRUCTION CO INC
NXL CONSTRUCTION SERVICES INC
114 E CARY ST STE 200
RICHMOND, VA 23219

(FOLD)

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

DPOR-PC (05/2015)

DPOR License Lookup License Number 0407004018

License Details

Name	GEOTECHNICAL ENVIRONMENTAL & TESTING SOLUTIONS INC
License Number	0407004018
License Description	Business Entity Registration
Firm Type	Corporation
Rank	Business Entity
Address	204-B GRAYSON ROAD, VIRGINIA BEACH, VA 23462
Initial Certification Date	2000-09-12
Expiration Date	2017-12-31

Related Licenses [1]

License Number	License Holder Name	License Type	Relation Type	License Expiry
0402033932	SCHOLEFIELD, DAVID MARK	Professional Engineer License	Engineering	2016-04-30
0402039988	ESPILONDO-MURDOCK, MARIA EUGENIA	Professional Engineer License	Engineering	2016-07-31
0402046947	CATON, CHRISTOPHER MICHAEL	Professional Engineer License	Engineering	2017-06-30

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EXPIRES ON
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NUMBER
0402033530

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

DANIEL ROBERTSON DEAN JR
AECOM
10 SOUTH JEFFERSON STREET
SUITE 1600
ROANOKE, VA 24011

Jay W. DeBoer, Director

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02-29-2016

NUMBER
0402041824

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

GEORGE PATTON ROMACK
96 HAMLIN DR
FREDERICKSBURG, VA 22405

Nick A. Christner
Nick A. Christner, Interim Director

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

NUMBER
4001011856

REAL ESTATE APPRAISER BOARD

CERTIFIED GENERAL REAL ESTATE APPRAISER

RICHARD DAVID STUCHELL
10012 SHADOWRIDGE COURT
FREDERICKSBURG, VA 22407

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

EXPIRES ON
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NUMBER
4001012258

REAL ESTATE APPRAISER BOARD

CERTIFIED GENERAL REAL ESTATE APPRAISER

RAYMAN SCOTT BARBER
3058 MOUNT VERNON RD
HURRICANE, WV 25526

Jay W. DeBoer, Director

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Attachment 3.3.1 Key Personnel Resumes

ATTACHMENT 3.3.1

KEY PERSONNEL RESUME FORM

Brief Resume of Key Personnel anticipated for the Project.

a. Name & Title: Douglas W. Jackson, CPC, President

b. Project Assignment: Design-Build Project Manager

c. Name of Firm with which you are now associated: Bryant Contracting, Inc.

d. Employment History: With this Firm **17** Years With Other Firms **12** 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):

President (March 2012-Present): Provide leadership and oversight for the day-to-day operations for all safety, construction, project management, and project administration activities associated with heavy/highway construction projects. Supervise a staff of Project Managers, Project Superintendents, and Project Engineers to bring projects to completion on time, under budget, and in accordance with client specifications. Oversee pre-construction activities associated with design-build and hard bid heavy/highway construction projects. Coordinate design efforts with outside engineers. Supervise scheduling, estimating, and budget development for all projects. Manage the development and implementation of corporate policies to achieve established corporate goals and support the corporate mission statement.

Vice-President (March 2008-February 2012): Oversee operations for all construction, project management, and project administration activities associated with heavy/highway construction projects. Work with a staff of Project Managers, Project Superintendents, and Project Engineers to bring projects to completion on time, under budget, and in accordance with client specifications. Manage pre-construction activities associated with design-build and hard bid heavy/highway construction projects. Supervise scheduling, estimating, and budget development for all projects.

Construction Manager (February 1999-February 2008): Responsible for management of construction services from estimating through project close-out. Supervise staff and assist in formulation of cost estimates for heavy/highway construction projects. Develop and implement CPM schedules for heavy/highway project construction. Coordinate work schedules and project deliverables with Project Superintendents. Perform job cost analysis to determine project's cost compliance with the budget established by the bid estimate. Determine procedural and documentation requirements of heavy/highway construction contracts. Generate and assemble submittals, shop drawings, progress schedules, sketches, and invoices required by clients for project operations. Review progress schedules for compliance with client requirements and update these schedules as necessary. Recognize, evaluate, and negotiate change orders with clients during construction operations. Examine potential claim situations, and if a claim situation exists determine claim amounts. Negotiate with clients to resolve claims.

e. Education: Name & Location of Institution(s)/Degree(s)/Year/Specialization:
Virginia Polytechnic Institute and State University, Blacksburg, VA/Bachelor of Science/1986/ Building Construction

f. Active Registration: Year First Registered/ Discipline/VA Registration #:

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

1. *Note your role, responsibility, and specific job duties for each project, not those of the firm.*
2. *Note whether experience is with current firm or with other firm.*
3. *Provide beginning and end dates for each project; projects older than fifteen (15) years will not be considered for evaluation.*

(List at least three (3), but no more than five (5) relevant projects* for which you have performed a similar function.)

Multiple Bridge Rehabilitation Project Region 4: Richmond & Fredericksburg Districts (Contract ID No. C000T7442DB27)

Firm: Bryant Contracting, Inc. **Start Date: November 2009**
Project Role: Design Build Project Manager **Finish Date: October 2011**

Mr. Jackson managed this design-build project, which replaced bridges at 10 separate locations, from the proposal/bid phase through project completion. He managed the scope validation, contract administration, and construction phases of the project. Mr. Jackson worked closely with the design partners on document reviews and construction plan approvals. He coordinated the QA/QC team members and resolved all quality issues with the QAM and VDOT. Mr. Jackson established project budgets, assisted in the development of the QA/QC Plan, and developed and implemented project schedules. He worked with VDOT, local officials, and the design-build team members to conduct community outreach at each site.

Route 17 over Tignor Creek (VDOT #0017-028-564, C501, B615, Essex County, VA)

Firm: Bryant Contracting, Inc. **Start Date: January 2014**
Project Role: Construction Manager **Finish Date: May 2016**

Mr. Jackson has coordinated and supervised this bridge construction project since it started. His responsibilities included establishing project budgets, developing and implementing project schedules, and resolving construction issues. In an attempt to minimize traffic impacts, Mr. Jackson worked with VDOT and coordinated construction efforts in a manner that will allow the project to be completed in two phases, instead of the three that were designed. He also participated in a public information session at the beginning of the project to inform the local community of the impacts and benefits of the project.

Route 17 SBL over Fox Mill Run (VDOT #0017-036-136, M501, B607, Gloucester County, VA)

Firm: Bryant Contracting, Inc. **Start Date: November 2011**
Project Role: Construction Manager **Finish Date: September 2012**

Mr. Jackson managed this project from the bid phase through project completion. His responsibilities included establishing project budgets, developing and implementing project schedules, and resolving construction issues. This challenging multi-phase project was impacted by unforeseen permit issues and subsurface obstructions that delayed the project. Mr. Jackson worked closely with Department personnel to resolve the adverse impacts and re-sequence operations so that the project could still be completed on schedule.

Route 1 (Brook Road) over I-95 (VDOT #0095-043-1065, SR01, Henrico County, VA)

Firm: Bryant Contracting, Inc. **Start Date: April 2004**
Project Role: Construction Manager **Finish Date: October 2005**

Mr. Jackson supervised this superstructure replacement project from bid phase through project completion. He was responsible for schedule development, budget development, contract administration, and overall project management. Like many urban projects, the Brook Road project was subject to numerous unanticipated challenges that resulted in delays. Mr. Jackson lead an extremely pro-active partnering effort between BCI and VDOT that resulted in modified traffic patterns and work sequencing that facilitated acceleration of the schedule.

Jamestown Corridor Improvement Project [PPTA], James City County, VA

Firm: Bryant Contracting, Inc. **Start Date: October 2001**
Project Role: Construction Manager **Finish Date: July 2005**

Mr. Jackson managed the structures portion of this design build project from the proposal phase through project completion. His responsibilities included establishing project budgets, constructability reviews of design concepts, developing and implementing project schedules, and resolving construction issues.

* On-call contracts with multiple task orders (on multiple projects) may not be listed as a single project.

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. The Design Build Project Manager is not required to be on-site full-time.

ATTACHMENT 3.3.1

KEY PERSONNEL RESUME FORM

Brief Resume of Key Personnel anticipated for the Project.

a. Name & Title: Rob Dean, PE Project Manager

b. Project Assignment: Design Manager

c. Name of Firm with which you are now associated: AECOM Technical Services, Inc.

d. Employment History: With this Firm 21 Years With Other Firms 0 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):

AECOM Technical Services, Inc. Various positions From 1995 to Present

Over the course of the last two decades, Mr. Dean has worked in the role of Bridge Engineer, Design Team Leader, Bridge Discipline Lead, and Project Manager for projects serving the Virginia Department of Transportation. His experience with managing design teams, including as Design Manager on VDOT Design-Build projects, encompasses a wide range of projects, involving design of new bridge structures and rehabilitation of existing structures. Since 2009, he has served as Project Quality Representative at AECOM, with responsibilities for implementation and compliance with AECOM's ISO quality management program.

e. Education: Name & Location of Institution(s)/Degree(s)/Year/Specialization:
Georgia Tech in Atlanta, GA / Master of Science / 1995 / Civil Engineering
Virginia Tech / Bachelor of Science / 1993 / Civil Engineering

f. Active Registration: Year First Registered/ Discipline/VA Registration #:
1999 / Professional Engineer / #033530

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

1. *Note your role, responsibility, and specific job duties for each project, not those of the firm.*
2. *Note whether experience is with current firm or with other firm.*
3. *Provide beginning and end dates for each project; projects older than fifteen (15) years will not be considered for evaluation.*

(List at least three (3), but no more than five (5) relevant projects* for which you have performed a similar function.)

VDOT Design-Build: Multiple Bridge Rehabilitation - Region 4, Richmond and Fredericksburg Districts

- VDOT Design-Build Design Manager
- Bridge Replacements
- Oversee Multiple Design Teams
- Responsible for Design Quality

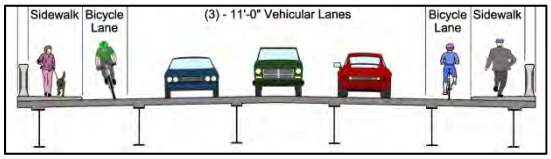
1. Mr. Dean served as Design Manager on this VDOT Design-Build project, for which AECOM was the Lead Designer and Bryant Contracting was the Lead Contractor. In his role as Design Manager, Mr. Dean was responsible for oversight of three design teams developing plans and specifications for ten separate bridge superstructure replacement projects, including staged construction details and maintenance of traffic plans where required to maintain traffic during construction. His duties included development of technical approach to ensure compliance with contract requirements, coordination between various disciplines (bridge, roadway, traffic, MOT) and sub-consultants, interface with VDOT in review of design submittals, and monitoring of design schedule and progress. In his role, as Design Manager, Mr. Dean was also responsible for development and implementation of the Design Quality Assurance Plan which included independent reviews for technical accuracy and constructability, with thorough documentation of quality assurance activities. During construction, Mr. Dean managed the approval of contractor submittals and provided timely information to the construction team.

2. AECOM Technical Services, Inc. 3. 2009 to 2011

Franklin Road Bridge over NS Railway and 220 Expressway Ramp, Roanoke, VA

1. Mr. Dean serves as Project Manager for this $15M VDOT Local Assistance project to completely replace the 550-ft long bridge on Franklin Road over ten tracks of the Norfolk Southern Railway Company. In this role, he was responsible for oversight of a multi-discipline team to address design of the bridge replacement, as well as approach roadway and signalized intersections, utility relocations, maintenance of traffic, right-of-way acquisition and easements, stormwater management, lighting, landscaping, bike & pedestrian accommodations, and regulatory approvals. His support of the design team included interface with sub-consultants for survey, geotechnical, and public relations, as well as technical guidance on the development of a complex sequence of construction to minimize impacts to rail operations and the limited-access expressway ramp beneath the bridge. He conducted stakeholder meetings to ensure compliance with the design intent and initiated proactive engagement of the railroad to prevent delays to the project schedule. On behalf of the design team, he shepherded the project through the City's Comprehensive Land Development Review process and secured approvals from the Virginia Department of Historic Resources. During the design phase, he conducted bi-weekly progress meetings to monitor the project development and implemented a systematic quality control program which included four peer reviews and thorough documentation of quality assurance activities. His construction phase responsibilities include approval of contractor submittals and observation of construction activities to ensure compliance with contract requirements.

- Bridge Replacement over Active Tracks
- Complex Sequence of Construction
- Managed Multi-Discipline Team
- Responsible for Design Quality

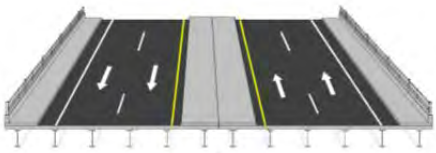


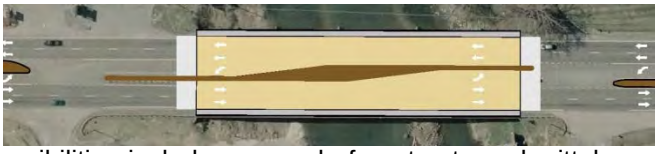
2. AECOM Technical Services, Inc.
3. 2013 to 2018 (Est. completion of construction)

Route 23 NBL and SBL over North Fork Holston River, Scott County, VA

1. Mr. Dean serves as Project Manager for this $8M VDOT project to replace the existing bridges on this very heavily traveled primary route. His duties included technical guidance to a design team faced with solving the challenge to construct a new bridge wide enough for two lanes each direction with a center turn lane, while staging the construction to maintain two lanes of traffic operational throughout construction. His oversight extended to the disciplines of bridge and roadway engineering, utility, drainage, maintenance of traffic, and right-of-way impacts to two adjacent parcels. When the Department requested that the project be delivered six months ahead of the original schedule, Mr. Dean developed a work plan to successfully accelerate the project development without compromise to quality of the final plans and specifications. His construction phase responsibilities include approval of contractor submittals and observation of construction activities to ensure compliance with contract requirements.

- Bridge Replacement and Widening
- Staged Construction and MOT
- Accelerated Project Delivery
- Responsible for Design Quality





2. AECOM Technical Services, Inc.
3. 2013 to 2017 (Est. completion of construction)

On-call contracts with multiple task orders (on multiple projects) may not be listed as a single project.

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. As Design Manager, Mr. Dean is not required to be on site for the duration of construction.

ATTACHMENT 3.3.1

KEY PERSONNEL RESUME FORM

Brief Resume of Key Personnel anticipated for the Project.

a. Name & Title: George P. Romack, PE, Senior Construction Manager

b. Project Assignment: Quality Assurance Manager

c. Name of Firm with which you are now associated: EBA Engineering Inc.

d. Employment History: With this Firm 5 Years With Other Firms 40 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):

August 2010-present. EBA Engineering, Inc, Senior Construction Manager pursuing construction engineering and inspection contracts and providing construction engineering/management and quality assurance/control management services as needed.

April 2006 - May 2010. VDOT, Fredericksburg District Construction Engineer managing the district materials laboratory and contract administration program of maintenance and construction funded road and bridge contracts,

January 2005 - April 2006. VDOT, Fredericksburg Area Construction Engineer providing direct engineering management of one third of the district's contract administration program of maintenance and construction funded road and bridge contracts, interpreting contract specifications, resolving disputes, notice of intents, and claims, reviewing CPM schedules and adhering to quality control and quality assurance protocol.

1993-2004. Federal Highway Administration (FHWA), Senior Engineer/Program Manager leading the federal bridge and tunnel management program nationwide, establishing standards of practice for inventory and maintenance activities associated with bridges and tunnels.

e. Education: Name & Location of Institution(s)/Degree(s)/Year/Specialization:
Virginia Polytechnic Institute, Blacksburg, VA/BS/1968/Civil Engineering

f. Active Registration: Year First Registered/ Discipline/VA Registration #:
2006/Civil Engineering/VA 041824

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

1. *Note your role, responsibility, and specific job duties for each project, not those of the firm.*
2. *Note whether experience is with current firm or with other firm.*
3. *Provide beginning and end dates for each project; projects older than fifteen (15) years will not be considered for evaluation.*

(List at least three (3), but no more than five (5) relevant projects* for which you have performed a similar function.)

Interstate 64 / Route 623 Interchange Improvement DB Project, Goochland County, VA *(2014-12/2015)*
EBA Project Manager overseeing staff performing **Quality Control Management** services for inspection and materials testing per VDOT DB Manual and QA/QC Plan of 4.5 miles of interstate roads, bridges and major drainage structures. As Quality Control Project Manager, he reviewed employee documentation, reviewed materials testing reports, and provided onsite assistance as needed to ensure proper staffing coverage of all items under construction. To ensure adherence to the QA/QC Inspection and Testing Plan as governed by VDOT's Minimum Requirements for Design Build projects, Mr. Romack reviewed QC Inspector Daily Reports (IDRs) for items of work, checklists documenting any deficiencies, re-inspections, as well as comments regarding work zone safety, general construction safety and environmental compliance. His reviews of materials testing logs were to ensure proper testing frequencies were implemented as well as correlating with QA and Owner sampling and testing results. (Employee of EBA)

Multiple Bridge Rehabilitation DB Project, Region 4, Fredericksburg and Richmond Districts *(2009 - 2010)*
As VDOT District Construction Engineer (OWNER), he closely monitored efforts of the DB Quality Assurance Manager during the rehabilitation of ten bridges. He was responsible for monitoring the contractor's construction Quality Control and Quality Assurance Inspection and Materials Testing Plans to assure compliance with VDOT's Minimum Requirements for Design Build projects. In addition to his personal

reviews of project records, documentation and results, Mr. Romack engaged his staff to closely monitor the deliverables associated with this Design Build bridge rehabilitation contract. (Employee of VDOT)

I-95/Route 627/Route 1 Interchange Improvement (UPC 16022), Stafford County, VA *(2005-2006)*
VDOT Area Construction Engineer (and subsequently VDOT District Construction Engineer) resolving challenges associated with this $41.6M reconstruction of the Interstate, bridge replacements over the interstate, reconstruction of a primary route to include a flyover bridge and construction of a secondary route with components of new location work included. As an Area Construction Engineer, Mr. Romack played a significant role in developing, implementing and ensuring a well-orchestrated **demolition plan** was in-place for the removal of the former Route 627 structures spanning over Interstate 95. He worked with the designers, Contractor, District Bridge Section, Interstate Maintenance group, Residency Administrator and Maintenance Management, Public Affairs, Consultant Inspection staff and City of Fredericksburg staff to accomplish the goals of the demolition: 1. remove the Route 627 structures over Northbound and Southbound I-95, 2. minimize the timeframe of any required shut down of Interstate traffic and 3. accomplish all activities safely for workers and traveling public. Because both structures spanned Interstate 95, his plan required two nights of shut down for each structure, totaling four nights of impact. Weeks of advanced notice were provided to the public via message boards, radio spots, newspapers and websites. The effected direction of traffic was diverted to Route 1 where signal timings were temporarily adjusted to handle the volume of traffic, along with law enforcement assistance as needed. As he encouraged them to do so, Interstate Maintenance crews mobilized VDOT staff and multiple service Contractors to take advantage of the complete shutdowns to repair pavement, guardrail and other appurtenances within the detour limits on the Interstate. Inspection staff were deployed to constantly monitor the back up and time to traverse the detour. Mr. Romack provided firsthand, hourly reports of status to the Residency Administrator who captured the information and provided such to District Management staff monitoring the operation. After completing each of the first two nights' work, Mr. Romack held a debriefing session onsite with all available parties to share lessons learned to improve the next night's operations. Due to his efforts of "plan, execute, and improve", the Southbound structure was able to be demolished in ONE night, not two. (Employee of VDOT)

Route 608 over I-95 Bridge Widening and Repair (UPC 78315), Spotsylvania County, VA *(2007-2009)*
As VDOT District Construction Engineer, Mr. Romack resolved challenges associated with the repair and widening of Route 608 Massaponax Church Road to bring the project in On Time and On Budget. As a result of his career of Bridge Maintenance expertise and the successful demolition of Route 627 bridge structures over I-95, he was able to efficiently address Requests for Information (RFIs), oversee the development, implementation and execution of a similar "demo plan" as well as address concerns by the local property owners and commuters traversing the bridge during construction. With little to no construction access easement available, Mr. Romack worked with designers and Contractor to identify a more effective means of executing the work required; whereas, the contract documents left much to desire in regards to staging the work much less a traffic management plan. Even while providing "high level" advising, oversight and counsel, he worked closely with field inspection staff to ensure inspection documentation met with VDOT standards and protocols, addressed environmental issues, addressed materials testing issues as needed and provided regular updates to VDOT Public Affairs for their communication efforts with the traveling public and local property owners. (Employee of VDOT)

Route 630 Courthouse Road Reconstruction, Stafford County, VA *(2006-2008)*
As VDOT District Construction Engineer, Mr. Romack led informational meetings to engage public stakeholders under daily inconvenience by the major improvements, realignment and resurfacing of 2 miles of roadway being constructed in-place. Taking a personal and professional interest in this project, he provided a more hands-on oversight role to ensure project documentation and materials testing was performed per VDOT standards, manuals and protocol. (Employee of VDOT)

* On-call contracts with multiple task orders (on multiple projects) may not be listed as a single project.

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. NOT APPLICABLE for QAM

ATTACHMENT 3.3.1

KEY PERSONNEL RESUME FORM

Brief Resume of Key Personnel anticipated for the Project.

a. Name & Title: Ryan D. Carson, Project Superintendent

b. Project Assignment: Construction Manager

c. Name of Firm with which you are now associated: Bryant Contracting, Inc.

d. Employment History: With this Firm **13** Years With Other Firms **0** 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):

Project Superintendent (2007-Present): Responsible for all day to day operations of multiple construction projects including management of crews, equipment, subcontractors, and scheduling of materials. Manage resources to keep projects on schedule and perform work within the project budget established through the bid estimate. Work with project inspection team to ensure compliance with contract requirements. Report progress directly to owner and construction management team. Assess project specific safety needs and continually monitor and enhance safety methods to ensure compliance with company and OSHA safety guidelines. Layout bridge structural elements, engineer formwork, and ensure quality control standards are followed.

Assistant Project Superintendent (2005-2007): Managed individual crews on project site. Scheduled weekly work activities, equipment needs, and material deliveries. Monitored project schedule and budget. Worked with project inspection team to ensure compliance with contract requirements. Enforced and ensured compliance with company and OSHA safety guidelines. Performed layout for bridge structural elements, engineered formwork, and ensured quality control standards were followed.

Field Engineer (2003-2005): Worked directly with construction crews to develop means and methods for all aspects of construction. Performed layout for bridge structural elements, engineered formwork, and ensured quality control standards were followed.

e. Education: Name & Location of Institution(s)/Degree(s)/Year/Specialization:
Virginia Polytechnic Institute and State University, Blacksburg, VA/Bachelors of Science/2003/Building Construction

f. Active Registration: Year First Registered/ Discipline/VA Registration #:

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

1. *Note your role, responsibility, and specific job duties for each project, not those of the firm.*
2. *Note whether experience is with current firm or with other firm.*
3. *Provide beginning and end dates for each project; projects older than fifteen (15) years will not be considered for evaluation.*

(List at least three (3), but no more than five (5) relevant projects* for which you have performed a similar function.)

Multiple Bridge Rehabilitation Project Region 4: Richmond & Fredericksburg Districts (Contract ID No. C000T7442DB27)

Firm: Bryant Contracting, Inc. **Start Date: November 2009**
Project Role: Construction Manager **Finish Date: October 2011**

Mr. Carson supervised and coordinated construction activities for this design-build project, which replaced bridges at 10 different locations. He was responsible for worker safety, quality control, daily production, and equipment resources on the project. He coordinated resources and led construction crews in all phases of construction, including MOT, substructure repairs, girder erection, bridge deck construction, and roadway approach construction. Mr. Carson coordinated all material deliveries and subcontractors for the multiple location project. He was also responsible for all QC inspection and testing and coordinating QA testing and inspections to ensure that all materials and construction met the contract requirements.

Route 17 over Tignor Creek (VDOT #0017-028-564, C501, B615, Essex County, VA)

Firm: Bryant Contracting, Inc. **Start Date: January 2014**

Project Role: Project Superintendent **Finish Date: May 2016**

Mr. Carson has been responsible for worker safety, product quality, daily production, material usage, and equipment resources on the project since it started. He has coordinated resources and led construction crews in all phases of construction, including MOT, temporary sheet pile installation for creek diversion and between project phases, pile driving, girder erection, and bridge deck construction. Mr. Carson has worked closely the project's inspection staff to ensure that all aspects of construction meet the contract requirements. He has worked closely with local residents and businesses within the work zone to minimize impacts and make sure that they are aware of the construction schedule. He also coordinated utility relocations that had to be phased due to the bridge construction phasing.

Route 17 SBL over Fox Mill Run (VDOT #0017-036-136, M501, B607, Gloucester County, VA)

Firm: Bryant Contracting, Inc. **Start Date: November 2011**

Project Role: Project Superintendent **Finish Date: September 2012**

Mr. Carson was responsible for worker safety, product quality, daily production, material usage, and equipment resources throughout the life of the project. He coordinated resources and led construction crews in all phases of construction, including MOT, temporary shoring between project phases, pile driving, girder erection, and bridge deck construction. He also coordinated utility relocations and managed all subcontractors on the project. Mr. Carson worked closely with the project's inspection team to ensure that all aspects of construction met the contract requirements.

* On-call contracts with multiple task orders (on multiple projects) may not be listed as a single project.

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.

Mr. Carson is currently the Project Superintendent of the Route 17 over Tignor Creek project in Essex County (VDOT Project (NFO) 0017-028-564, B615), which is scheduled to be complete in May of 2016. Next Mr. Carson will be one of our Project Superintendents on the multiple bridge widenings on Segment I of the I-64 Capacity Improvements Project in Newport News, Virginia. BCI is performing structure construction on this Design-Build project as a subcontractor to Shirley Contracting Corporation, LLC. Mr. Carson's role on the I-64 Capacity Improvements Project will continue through the summer of 2017. At that time, we anticipate that the construction of the Route 606 Design Build Project will begin and Mr. Carson's duties will be solely allocated to this Project.

Attachment 3.4.1(a) Lead Contractor Work History Forms

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	
Name: Route 1 (Brook Rd.) over I-95 Location: Henrico County, Virginia-Sandston Residency	Name: VDOT	Name of Client/ Owner: VDOT Phone: 804-524-6000 (Richmond Dist.) Project Manager: Tom Sutherland [ret.] Phone: Email:	10/2005	10/2005	$2,428	$2,736	$2,281

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. *For a project with multiple phases or multiple contracts, only one phase or one contract will be considered. If additional phases or contracts are shown under the same Work History Form, only the first phase or contract listed will be evaluated.

SCOPE SIMILARITIES

- ☑ Bridge replacement over I-95
- ☑ Phased construction to maintain traffic
- ☑ Pier construction in I-95 median
- ☑ Girder erection in confined areas adjacent to live traffic
- ☑ Extensive roadway approach work
- ☑ Maintain access for local business and residents

PROJECT SUMMARY

This intricate, urban project completely replaced the existing bridge superstructure and the substructure seats/pier caps carrying Route 1 over I-95. The complex structural demolition and renovation were accomplished utilizing staged construction so that at least two lanes of Route 1 were always available for traffic. Like many urban projects, the Brook Road project was subject to numerous unanticipated challenges that resulted in delays. However, an extremely pro-active partnering effort between BCI and VDOT resulted in modified traffic patterns and work sequencing that facilitated acceleration of the schedule. The project was finished 27 days early, and received a 96.26 percent quality score (CQIP), the highest in the Richmond District for 2005.

RELEVANT PROJECT ELEMENTS

Demolition/Construction over I-95: The traffic management plan required BCI to have all six lanes of I-95 open to traffic during the day time except for crane access to build the median pier [see picture at left]. We demolished the existing bridge decks utilizing single and double lane closures at night. The existing steel beams were then removed from each end span with one of our large crawler cranes to minimize I-95 traffic impacts. Once substructure work was complete this process was reversed. New steel beams over I-95 were installed from the end spans then superstructure construction proceeded to the completion of Stage 1. Once Route 1 traffic was placed on the completed portion of the bridge we repeated the process in Stage 2.

Construction Adjacent to Live Traffic: While working over I-95 we also had to maintain vehicle and pedestrian traffic on a busy urban portion of Route 1 just north of Richmond, Virginia. During the roughly 18 month project we coordinated vehicle access for several businesses [restaurants and a convenience store] on the south end of the bridge. Pedestrians from a large apartment complex north of the bridge were also afforded safe passage to the businesses to the south during the life of the project.

RELATED KEY PERSONNEL

Doug Jackson, CPC
Construction Manager

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	
Name: Multiple Bridge Rehabilitation Project Region 4 Location: Fredericksburg and Richmond Districts	Name: AECOM Technical Services, Inc.	Name of Client/ Owner: VDOT Phone: 540-899-4288 Project Manager: Robert Shackelford, P.E. [now with Harris & Associates] Phone:925-808-9927 Email:rob.shackelford@weareharris.com	09/2011	10/2011	$6,640	$7,160	$5,991

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. *For a project with multiple phases or multiple contracts, only one phase or one contract will be considered. If additional phases or contracts are shown under the same Work History Form, only the first phase or contract listed will be evaluated.

SCOPE SIMILARITIES

- ☑ Design/Build project
- ☑ Phased construction to maintain traffic
- ☑ Construction in confined areas adjacent to traffic
- ☑ QC/QA Management

PROJECT SUMMARY

This Design-Build project consisted of the superstructure replacement and substructure repair of ten bridges throughout the Fredericksburg and Richmond Districts. Bryant Contracting, Inc. (BCI) self performed all major construction activities, including installation of concrete and metal railings, deck reconstruction, beam replacement, beam seat modifications, backwall repairs, and roadway reconstruction. Five of the bridges required the installation of prestressed concrete members while four bridges involved structural steel beams. Bryant Contracting, Inc. (BCI) was responsible for overseeing a thorough Quality Control and Quality Assurance program for the project. BCI self performed all project management on the job including public meeting assistance, storm water permitting, elaborate CPM scheduling, detailed monthly reports, hosting weekly QC/QA inspection meetings, design submittal tracking, and design constructability reviews.

RELATED KEY PERSONNEL

Doug Jackson, CPC
Design-Build Project Manager

Ryan Carson, CPC
Construction Manager

Rob Dean, P.E.
Design Manager

RELEVENT PROJECT ELEMENTS

Design Build Project: Having ten project sites combined into one contract provided numerous challenges to the overall project management, as well as many opportunities to learn. Throughout the two year project the design-build team became intimately familiar with the multi-stage bridge design submittal process, scope validation, construction plan approvals, witness points, and hold points. Completing each of the ten sites in a concurrent manner demonstrated our unique ability to efficiently and proactively partner with our clients in order to achieve a quality end product with minimal disruptions.

Construction Adjacent to Traffic: Four of the bridge sites were on primary routes and required MOT phasing in order to maintain traffic flow during construction. As shown on the adjacent pictures several project sites, mainly those located on Route 1 and Route 3, were controlled by traffic signals to minimize impacts to the traveling public. In addition to controlling traffic, the confined working areas required extensive preliminary planning in order to complete the work in a safe manner.

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	
Name: Route 17 over Tignor Creek Location: Essex County, VA	Name: Jacobs/VDOT	Name of Client/ Owner: VDOT Phone: 540-899-4288 Project Manager: Charles "Bill" Collins Phone: 804-690-4574 Email:charles.collins@vdot.virginia.gov	05/2016	05/2016 (Estimated)	$6,322	$6,580	$5,152

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. *For a project with multiple phases or multiple contracts, only one phase or one contract will be considered. If additional phases or contracts are shown under the same Work History Form, only the first phase or contract listed will be evaluated.

SCOPE SIMILARITIES

- ☑ Phased construction to maintain traffic
- ☑ Pile driving and girder erection in confined areas adjacent to live traffic
- ☑ Complex sewer and waterline relocations between phases
- ☑ Sheet pile installation between phases to support roadway
- ☑ Extensive roadway approach work
- ☑ Maintain access for local business and residents

PROJECT SUMMARY

This project replaces an existing box culvert under Route 17 in Tappahannock, VA with a 5 span bridge and pile supported roadway approach slab spans. Bryant Contracting, Inc. (BCI) has maintained one lane of traffic in each direction since the start of the project. The overall grade of the road is being raised 7' at some locations, creating extensive temporary shoring between roadway phases. Creek channel construction has also been staged within sheet piling to maintain flow while protecting the adjacent Rappahannock River. The project was originally designed for three phases of construction, but working with VDOT, we were able to perform much of the Phase 3 work in Phase 1. This will allow us to complete the project in 2 phases, minimizing traffic impacts. The project is currently about half way through the Phase 2, which is the final construction phase.

RELATED PROJECT ELEMENTS

Construction Adjacent to Traffic: Route 17 is a highly traveled road, and maintaining two lanes of traffic significantly limited the construction work area. BCI has performed all aspects of construction adjacent to live traffic, including: sheet pile installation between phases to support the roadway, driving 24" prestressed concrete piles over 100' long, driving 16" prestressed concrete piles over 80' long, and setting Bulb-T girders weighing over 20-tons.

Utility Relocation: BCI oversaw and coordinated the necessary waterline and sewerline relocations for the project. The sewerline crosses the road transversely, extending into both phases. Extensive planning between BCI, our utility subcontractor, and the local utility company was required to perform the utility work at the construction joint while still maintaining two lanes of traffic.

Coordination with Local Businesses/Residents: BCI also installed and maintained temporary entrances for a local health center, marina, and property owners. BCI has been able to sustain a very positive working relationship with these business owners and residents as well as the nearby elementary school during the multiple year construction project.

RELATED KEY PERSONNEL

Doug Jackson, CPC, Operations Manager

Ryan Carson, CPC, Project Superintendent

Attachment 3.4.1(b) Lead Designer Work History Forms

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)	
Name: **Interstate 81 Truck Climbing Lanes Design-Build** Location: **Rockbridge County, VA**	Name: **W. C. English, Inc.**	Name of Client.: **VDOT** Phone: **540.332.9047** Project Manager: **Todd Stevens** Phone: **540.332.9047** Email: **Todd.Stevens@VDOT.Virginia.gov**	**Oct. 2009**	**2015**	**$74,200**	**$74,200**	**$4,700**

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. *For a project with multiple phases or multiple contracts, only one phase or one contract will be considered. If additional phases or contracts are shown under the same Work History Form, only the first phase or contract listed will be evaluated.

SCOPE SIMILARITIES

- ☑ **VDOT Design-Build Project**
- ☑ **Bridge replacements**
- ☑ **Construction over interstate traffic**
- ☑ **Construction within interstate median**
- ☑ **Multi-phase maintenance of traffic & TMP**
- ☑ **Roadway widening and improvements**
- ☑ **Drainage and Stormwater Management**
- ☑ **Geotechnical**
- ☑ **Utility relocations**

PROJECT SUMMARY

AECOM served as the Lead Designer for this VDOT Design-Build project for interstate widening and bridge replacement. AECOM services were performed by staff from our Virginia offices in Roanoke, Glen Allen, and Norfolk. In addition to interstate widening, this 7 mile-long project include replacement of the following three bridges:

- Route 712 over I-81: Two-span jointless haunched steel girder structure (300-ft total length)
- I-81 NBL over Route 716: Three-span jointless steel girder structure (360-ft total length)
- I-81 NBL over Route 710 : Single span jointless steel girder structure (125-ft total length)

The replacement interstate bridges were widened substantially to meet current geometric standards. Construction on and over the interstate required complex, multi-phase staging to maintain traffic of 45,000 vehicles per day in I-81.

RELATED PROJECT ELEMENTS

AECOM provided the following services:

- Design Quality Control Plan implementation
- design of **bridge replacement and widening**
- **staged bridge replacement** plans
- complex multi-phase **maintenance of traffic**
- drainage design
- retaining wall design
- roadway design
- **traffic modeling**
- stormwater management
- in-plan **water and sewer relocation**

Resourceful design of drainage and grading enabled the project to **avoid impacts to wetlands** and jurisdictional waters. As Lead Designer, AECOM administered the Design Quality Assurance program for the entire design team, including subconsultants. AECOM worked closely with the Lead Contractor to ensure **constructability** of the proposed construction and to develop details to **minimized traffic impacts** while safeguarding safety during construction **activities over and adjacent to interstate traffic**. These details included the use of well-coordinated rolling road closures, night-time work schedules, and traffic detours utilizing interchange ramps.

RELATED PERSONNEL

Rob Dean, PE
Bobby Prince, PE
Scott Hodge, PE
David Bachhuber , PE
Ryan Fedak, PE
Stuart Martin, PE

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)	
Name: **Route 11/220 & I-81 Access Management at Exit 150** Location: **Botetourt County, VA**	Name: **Branch Highways, Inc.**	Name of Client.: **VDOT** Phone: **540.375.3593** Project Manager: **Thomas Digiulian** Phone: **540.375.3593** Email:**Thomas.DiGiulian@VDOT.Virginia.gov**	**March 2015**	**Winter 2017 Est.**	**$41,000**	**$41,000**	**$2,500**

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. *For a project with multiple phases or multiple contracts, only one phase or one contract will be considered. If additional phases or contracts are shown under the same Work History Form, only the first phase or contract listed will be evaluated.

SCOPE SIMILARITIES

- ☑ **Primary routes improvements at interchange**
- ☑ **New roundabout adjacent to interchange**
- ☑ **Interstate ramp redesign**
- ☑ **Multi-phase maintenance of traffic & MOT**
- ☑ **Acquisition & relocation of fueling business**
- ☑ **Revised Limited Access boundaries**
- ☑ **Relocation of public & private utilities**
- ☑ **Interchange Modification Report**
- ☑ **Pedestrian Accommodations**
- ☑ **Two signalized intersections**
- ☑ **Drainage & Stormwater Management**
- ☑ **Traffic modeling**
- ☑ **NEPA Compliance**

PROJECT SUMMARY

AECOM served as the Prime Consultant to the Department for design of this major interchange reconstruction project. Services were performed by AECOM staff of our Virginia offices in Roanoke, Norfolk, Arlington, and Virginia Beach (formerly URS). The purpose of this project was to improve the safety and traffic flow at the existing intersection of Route 11 & 220 and associated interchange with I-81 Exit 150. The scope of the project includes:

- Reconfigured entrance and exit ramps for I-81 to improve traffic flow at the interchange
- New two-lane hybrid roundabout on Route 11 to improve traffic flow
- New connection from the new roundabout to Route 220 Alternate
- Improved access management on Route 11 with raised median & fewer entrances
- Increased capacity at the Route 11, 220 intersection

RELATED PROJECT ELEMENTS

AECOM provided services for the following:

- roadway design
- **Phased sequence of construction**
- multi-phase **maintenance of traffic**
- special box culvert structure design
- stormwater management evaluation
- Interchange Modification Report
- CORSIM and SIDRA **traffic modeling**
- in-plan **water and sewer relocations**
- **roundabout design**
- retaining wall structure design
- drainage design
- **interstate ramp design**
- landscaping
- ITS design
- signal design
- permit sketches

AECOM also supported the Department in **acquisition of right-of-way**, easements, and **business relocations**, changes to limited access, assessment of hazardous materials at fuel station parcel to be acquired, and regulatory permitting for **wetland impacts**. Construction phase services include review of contractor submittals, response to RFIs, and development of solutions to address unanticipated conditions.

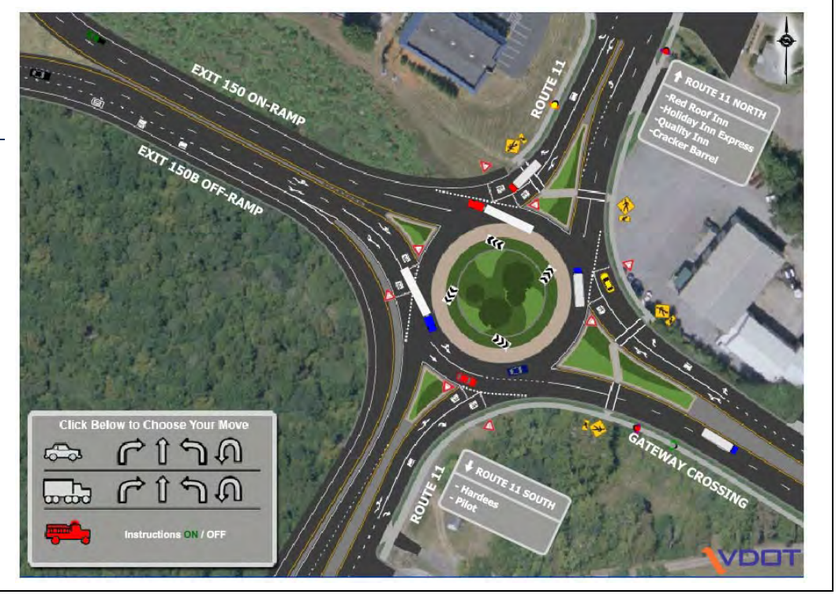
RELATED PERSONNEL

Rob Dean, PE

Scott Hodge, PE

David Bachhuber , PE

Ryan Fedak, PE



ATTACHMENT 3.4.1(b)

LEAD DESIGNER - WORK HISTORY FORM

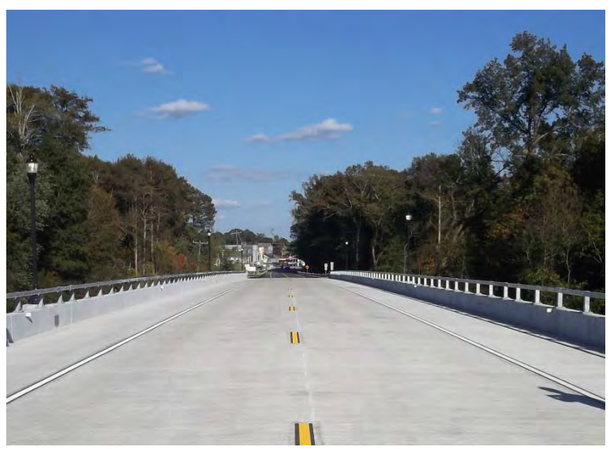
(LIMIT 1 PAGE PER PROJECT)

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)	
Name: **Route 35 over Nottaway River (Courtland Bridge)** Location: **Southampton County, VA**	Name: **Waterfront Marine Construction**	Name of Client.: **VDOT** Phone: **757-925-1663** Project Manager: **Eric A Kevitz** Phone: **757-925-1663** Email: **Eric.Kevitz@VDOT.Virginia.gov**	**Jan. 2015**	**Dec. 2015**	**$9,500**	**$9,500**	**$750**

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. *For a project with multiple phases or multiple contracts, only one phase or one contract will be considered. If additional phases or contracts are shown under the same Work History Form, only the first phase or contract listed will be evaluated.

SCOPE SIMILARITIES

- ☑ **VDOT Design-Build Project**
- ☑ **Bridge replacement**
- ☑ **Bridge widening**
- ☑ **Precast bulb tee girders**
- ☑ **Transportation Management Plan**
- ☑ **Approach roadway reconstruction**
- ☑ **Right-of-way acquisition**
- ☑ **Utility relocation**
- ☑ **NEPA Compliance**



PROJECT SUMMARY

AECOM served as the Lead Designer for this VDOT Design-Build project for bridge replacement and approach roadway improvement. Services were performed by AECOM staff from our Virginia offices in Glen Allen and Virginia Beach. The purpose of this project was to completely replace the existing deteriorated bridge, with a wider structure to improve safety and functionality. The scope of work included:

- Bridge Replacement using precast bulb-tee girders with a total length of 900 feet
- Approach roadway construction of 800 feet to tie into the replacement bridge
- Right-of-way acquisition at four parcels
- Relocation of impacted public utilities

RELATED PROJECT ELEMENTS

AECOM provided the following services:

- Overall Design Management
- design of **bridge replacement and widening**
- traffic modeling
- independent quality review
- roadway design
- drainage design
- stormwater management
- in-plan **sewer relocation**

As Lead Designer, AECOM administered the **Design Quality Assurance** program for the entire design team, including sub-consultants. AECOM worked closely with the Lead Contractor to evaluate **constructability** of the proposed details at this **constricted site**, in order to **minimize wetland impacts**.

As a result of the successful collaboration, the project was completed and opened to traffic **ahead of schedule**, with commendations from the District Administrator.