



## Request for Qualifications

# I-581 / Valley View Interchange Phase II

From: ~0.240 Mi. S. Route 101 (Hershberger Road)

To: ~1.561 Mi. S. Route 101 (Hershberger Road)

State Project No.: 0581-128-109, P101, RW201, C501, B627

Federal Project No.: NH-581-5(035)

Contract ID Number: C00016595DB45

City of Roanoke, Virginia



December 9, 2011



### In Association with:

AECOM Technical Services, Inc.  
Mattern & Craig, Inc.  
Allegheny Construction Company, Inc.  
NXL Construction Services, Inc.  
EEE Consulting, Inc.  
McDonough Bolyard Peck, Inc.  
Schnabel Engineering Consultants, Inc.



## I-581 / Valley View Interchange Phase II

---

---

### 3.2 Letter of Submittal





P.O. Box 40004 • Roanoke, Virginia 24022

STREET ADDRESS:  
442 Rutherford Avenue  
Roanoke, Virginia 24016

Phone (540) 982-1678  
Fax: (540) 982-4217

[www.branchhighways.com](http://www.branchhighways.com)

Va. Cont. Lic., Class A  
No. 2701-029434A

December 9, 2011

Joseph A. Clarke, P.E.  
Alternate Project Delivery Office  
Virginia Department of Transportation  
1221 East Broad Street  
Main Building, 4<sup>th</sup> Floor  
Richmond, VA 23219

Re: I-581/Valley View Interchange Phase II  
City of Roanoke, Virginia  
State Project No.: 0581-128-109, P101, RW201, C501, B627  
Federal Project No.: NH-581-5(035)  
Contract ID No.: C00016595DB45

Dear Mr. Clarke:

**BRANCH HIGHWAYS, INC.** (Branch), is pleased to submit our response to your Request for Qualifications (RFQ) dated October 11, 2011 for the above referenced project, and in doing so, offers our Statement of Qualifications (SOQ) and strong interest in being selected to serve as the Design-Builder for this very important local project.

By submitting this SOQ, it is our opinion that we present a better suited and positioned Team to VDOT for the following reasons:

1. **Benefit to VDOT:** The majority of the Team members that are presented for your evaluation are local to the Roanoke valley and thus, will be available on short notice to assemble and discuss concerns, considerations and changes during both the design phase and the construction phase of the project.
2. **What Sets Our Team Apart?:** Many of our Team members were directly involved in the design and construction of the Phase I I-581/Valley View Interchange.
3. **Why Select Our Team?:** Our Team members are all local to Roanoke valley and we feel confident the proceeds (labor; materials; subcontractors) from the design and construction of Phase II will help stimulate the local economy and facilitate the project schedule.

Branch's Team is comprised of outstanding professional firms and specialty subcontractors, who are leading providers of service for Virginia transportation projects. Mr. Michael Higgins (Branch) will serve as the Design-Build Project Manager, and will be responsible for oversight of the entire Design-Build Team for this project. Our lead designer, AECOM, is a nationally known design firm with Roanoke office working with VDOT for more than 60 years. Their Roanoke office has over 30 professionals dedicated to transportation. Formerly known as HSMM, HSMM was acquired by AECOM in January 2007 and now is

identified professionally as AECOM. The office in Roanoke is still managed by the same personnel as pre-acquisition. Mattern and Craig, a Roanoke-based firm, will be a subconsultant to AECOM and was responsible for the design of Phase I (existing) of the I-581/Valley View Interchange. Allegheny Construction, a Roanoke-based firm, will be a subcontractor to Branch responsible for the bridge construction. Allegheny was the prime contractor for Phase I (existing) of the I-581/Valley View Interchange project for the Virginia Department of Transportation.

Since its' founding in 1963, Branch, a Roanoke-based firm, has been engaged in highway and bridge construction and has successfully performed projects for VDOT for many years including projects similar to this particular project. Branch is a subsidiary of The Branch Group Inc., a 100% employee-owned company, and has been consistently ranked in the ENR Top 400 list of contractors (currently #230). Branch is also a leader in the emerging field of design-build delivery, currently leading the re-construction of 37 miles of Route 58 between Stuart and Hillsville, Virginia under Virginia's PPTA program. Additionally, Branch completed a design-build contract with Prince William County, Virginia for the construction of Route 15 under a Design-Build PPTA procurement process in December 2009. That project included the reconstruction of Route 15 from just north of I-66 to SR 234 and included three (3) secondary roads (Heathcote Boulevard, Old Carolina Road and Waterfall Road).

### ***3.2.1 Offeror's Official Representative Information***

The Point of Contact for this RFQ and SOQ will be Michael C. Tomlinson, Vice President of Branch Highways, Inc. Contact information is as follows:

***Michael C. Tomlinson, Vice President of Estimating and Business Development***

Branch Highways, Inc.

P.O. Box 40004

Roanoke, VA 24022

Phone: (540) 982-1678

Fax: (540) 982-4216

Email: [MikeT@BranchHighways.com](mailto:MikeT@BranchHighways.com)

### ***3.2.2 Principal Officer Information with Whom Design-Build Contract with VDOT Would be Written***

J. William Karbach, President

Branch Highways, Inc.

P.O. Box 40004

Roanoke, VA 24022

Phone: (540) 982-1678

Fax: (540) 982-4216

### ***3.2.3 Offeror's Corporate Structure***

Branch Highways, Inc. is a Corporation registered in the Commonwealth of Virginia. Branch will be the Offeror, the point of contact and the legal entity that will execute a final contract with VDOT. Branch will have no liability limitations on this project. Separate sub-agreements will be entered into between Branch, AECOM (Lead Designer) Allegheny Construction (Bridge Construction), McDonough Bolyard Peck, Inc. (Construction Quality Control), EEE Consulting, Inc. (Environmental and Permitting), and NXL Construction Co, Inc. (Construction Quality Assurance). AECOM will subcontract design services to Mattern and Craig, Inc. (Roadway and Bridge) and Schnabel Engineering Consultants, Inc. (Geotechnical).

**3.2.4 Affiliated/Subsidiary Companies**

Branch Highways, Inc. is part of The Branch Group of companies. Our corporate structure is as follows:

Parent Company	
The Branch Group, Inc.	P.O. Box 40004, Roanoke, VA 24022
Subsidiary Companies	
Branch Highways, Inc.	P.O. Box 40004, Roanoke, VA 24022
E.V. Williams, Inc.	925 South Military Highway, Virginia Beach, VA 23464
R.E. Daffan, Inc.	P.O. Box 1100, Manassas, VA 20108
G.J. Hopkins, Inc.	P.O. Box 12467, Roanoke, VA 24025
Branch and Associates, Inc.	P.O. Box 40051, Roanoke, VA 24022

**3.2.5 Certifications Regarding Debarment**

See forms in Appendix for the following Team members:

- Branch Highways, Inc.
- Mattern and Craig, Inc.
- NXL Construction Co, Inc.
- McDonough Bolyard Peck, Inc.
- AECOM
- Allegheny Construction Co., Inc.
- EEE Consulting, Inc.
- Schnabel Engineering Consultants, Inc.

**3.2.6 Lead Contractor VDOT Prequalification**

Branch Highways, Inc. is prequalified with VDOT (Vendor Number – B319), and our prequalification is current (expires February 29, 2012). A copy of the prequalification follows in the Appendix to this Letter of Submittal.

**3.2.7 Evidence of Obtaining Bonding**

Surety for Branch Highways, Inc. is provided by The Hartford Insurance Group, proof of which follows this letter (see appendix).

**3.2.8 Professional Services Documentation**

**3.2.8.1 Evidence of Registration with the Virginia State Corporation Commission** - Registration information for each firm is as follows (Copies are included in the Appendix):

Firm	Va. SCC Registration Number	Type of Corporation	Status of Entity
Branch Highways, Inc.	0295618-3	Corporation	Active
AECOM Technical Services, Inc.	F107850-2	Corporation	Active
Mattern and Craig, Inc.	0231378-1	Corporation	Active
Allegheny Construction Co., Inc.	0095573-2	Corporation	Active
NXL Construction Co, Inc.	0349742-7	Corporation	Active
EEE Consulting, Inc.	0504941-6	Corporation	Active
McDonough Bolyard Peck, Inc.	0351800-8	Corporation	Active
Schnabel Engineering Consultants, Inc.	0712674-1	Corporation	Active

**3.2.8.2 Evidence of Registration with the Virginia Department of Professional and Occupational Regulation for Each Office Practicing or Offering to Practice Professional Services in Virginia -**  
 (Copies are included in Appendix):

Firm	Address	Registration Type	Va. DPOR License No.	Expiration Date
Branch Highways, Inc.	PO Box 40004 Roanoke, VA 24022	Class A Contractor	2701-029434	3-31-2013
AECOM Technical Services, Inc.	1315 Franklin Road Roanoke, VA 24016	Engineering	0411-000681	2-29-2012
AECOM Technical Services, Inc.	4840 Cox Road Glen Allen, VA 23060	Engineering	0407-003153	12-31-2011
AECOM Technical Services, Inc.	448 Viking Drive, Suite 145 Virginia Beach, VA 23452	Engineering	0411-000679	2-29-2012
AECOM Technical Services, Inc.	2101 Wilson Blvd. Arlington, VA 22201	Engineering	0411-000776	2-29-2012
Mattern & Craig, Inc.	701 First Street, SW Roanoke, VA 24016	Engineering	0407-003038	12-31-2011
Allegheny Construction Co.	2830 Nicholas Ave. Roanoke, VA 24012	Class A Contractor	2701-006768	1-31-2013
NXL Construction Co, Inc.	2870-C South Main St. Harrisonburg, VA 22801	Engineering	0411-000678	2-29-2012
NXL Construction Co, Inc.	114 E. Cary Street Suite 200 Richmond, VA 23219	Engineering	0407-003031	12-31-2011
EEE Consulting, Inc.	201 Church Street Blacksburg, VA 24060	Engineering	0407-003798	12-31-2011
EEE Consulting, Inc.	3525 Bell Creek Rd Mechanicsville, VA 23116	Engineering	0407-003798	12-31-2011
McDonough Bolyard Peck, Inc.	711D Fifth St, NE Roanoke, VA 24016	Engineering	0411-000605	2-29-2012
Schnabel Engineering Consultants, Inc.	901 S Main Street, #11 Blacksburg, VA 24060	Engineering	0411-000697	2-29-2012
Schnabel Engineering Consultants, Inc.	One Cary Street Richmond, VA 23220	Engineering	0411-000700	2-29-2012

**3.2.8.3 Key Personnel Registration with Virginia Department of Professional and Occupational Regulation – Key Personnel with Licenses (Copies are included in Appendix):**

Firm and Address	Name of Key Personnel (Project Role)	Location Where Performing Work	Type of Registration	Va. DPOR License Number	Expiration Date
AECOM	Harold Plott, PE (Design Manager)	Roanoke, VA	Professional Engineer	0402-010052	08-31-2013
NXL Construction	Joseph Hamed (Quality Assurance Manager)	Christiansburg, VA	Professional Engineer	0402-039327	2-29-2012
Mattern & Craig	Steven Campbell, PE (Lead Structural Engineer)	Roanoke, VA	Professional Engineer	0402-015251	2-28-2013

**3.2.8.4 Regulated Services other than Professional Services with Virginia Department of Professional and Occupational Regulation**

Not applicable at this time.

**3.2.9 Disadvantaged Business Enterprises Statement (16%)**

Branch Highways, Inc. is fully committed to achieving a 16% DBE participation for the entire value of the Project.

The Branch Team appreciates the opportunity to provide our statement of qualifications for the I-581/Valley View Interchange Phase II Design-Build Project in the City of Roanoke. Our team of qualified, local firms brings the experience and expertise that is needed for this challenging project and we look forward to being short-listed for this project. Should you have any questions, please direct them to me at 540-982-1678.

Sincerely,  
**BRANCH HIGHWAYS, INC.**



Michael C. Tomlinson  
 Vice President–Estimating and Business Development

10 Franklin Road, SE  
Suite 550  
Roanoke, VA 24011  
Tel (540) 343-8071  
Fax (540) 345-2958



Charlotte  
Greensboro  
Knoxville  
Lynchburg  
Nashville  
Raleigh  
Richmond

November 3, 2011

Mr. Joseph A. Clarke, P.E.  
Alternate Project Delivery Office  
Virginia Department of Transportation  
1221 East Broad Street  
Main Building, 4<sup>th</sup> Floor  
Richmond, VA 23219

Re: Branch Highways, Inc.  
Project: I-581/Valley View Interchange Phase II  
City of Roanoke, VA, State Project No.: 0581-128-109,P101,RW201,C501,B627  
Federal Project No.: NH-581-5(035)  
Contract ID No.: C00016595DB45

Dear Mr. Clarke:

Branch Highways, Inc. has been a client of The Hartford Insurance Group for over 16 years. During that time, we have supported The Branch Group in their pursuit of projects in the \$100,000,000 range and total programs in excess of \$500,000,000.

As surety for Branch Highways, Inc., Hartford Fire Insurance Company with an A.M. Best Financial Strength Rating of A and Financial Size Category of XV will furnish a 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 on behalf of the Contractor, in the event that such firm be the successful bidder and enter into a contract for this project.

The Hartford expressly reserves the right to review the terms and conditions of the contract, contract amount, and bond form, evaluate pertinent underwriting data, and verify the adequacy of project financing prior to the issuance of bonds for the referenced project. Our consideration and issuance of bonds is a matter solely between The Branch Group, Inc., and The Hartford, and we assume no liability to third parties or to you by the issuance of this letter.

Hartford Fire Insurance Company is listed on the U.S. Treasury Department List and is licensed to transact fidelity and surety business in the Commonwealth of Virginia.

This letter will expire 180 days from this date.

We recommend this contractor highly and should you have questions, please let us know.

Sincerely,



Theresa S. Stump

cc: Branch Highways, Inc.  
Hartford Fire Insurance Company

scottins.com  
Insurance, Bonds, Benefit Services and Financial Management  
With Captive Insurance Operations in Grand Cayman  
Founded 1864



## I-581 / Valley View Interchange Phase II

---

---

### 3.3 Offeror's Team Structure



### 3.3 Offeror's Team Structure

#### 3.3.1 Key Personnel

The Branch Team consists of highly qualified professionals with the experience and technical expertise required to deliver this critical project to VDOT. The following will serve in the roles of the Key Personnel as described in the RFQ:

##### **Design-Build Project Manager (Branch Highways, Inc.)**

**Michael (Mike) Higgins** will serve as the Design-Build Project Manager and will take responsibility for the overall project including design, construction, construction quality management and contract administration. Mr. Higgins has over 25 years of construction experience and is the Vice President of Design-Build Services for Branch. His achievements as the Design-Build Project Manager on the extremely successful Route 58 Corridor PPTA projects (Hillsville and Meadows of Dan Bypasses) and the award winning Route 15 PPTA project for the Prince William County Department of Transportation give proof of his qualifications and experiences.

Mr. Higgins has earned VDOT's confidence as evidenced by:

- Post-award additions of environmental surveys by the federal government disrupted our hauling plan and threatened to delay the Hillsville Bypass project by a full construction season. His personal efforts to mitigate these impacts resulted in no additional costs to VDOT (besides the actual surveys) and no delay to the project.
- On the same project, VDOT received multiple requests by local elected officials for changes to the lighting at the interchanges. Mike dealt fairly and openly with VDOT throughout these discussions, despite the fact that the requests went late into the project, caused Branch to work under traffic, and threatened the completion date of the project.
- And those at VDOT and fellow contractors who have worked with Mike know that his personal drive and willingness to openly hold team members accountable (including himself) will result in design, construction, and administrative tasks that will move forward relentlessly, while maintaining high quality throughout.

Mike actively participates in the Virginia Transportation Construction Alliance (VTCA), where his industry peers elected him (and he is currently serving as) joint chairman of the Design-Build Committee with Shailendra Patel of VDOT. The Design-Build Committee is a joint committee consisting of both VDOT and industry members whose purpose is to identify and address concerns and issues arising from the design-build procurement and construction process.

As Design-Build Project Manager, Mike will report directly to VDOT at an executive level for all project activities including contract administration, scheduling, design, construction, and quality. He will directly manage the Key Personnel: Joe Hamed (Quality Assurance Manager), Harold Plott (Design Manager), Greg Suttle (Construction Manager) and Steve Campbell (Lead Structural Engineer). Also reporting to Mr. Higgins will be additional personnel responsible for roles instrumental for the project success.

##### **Construction Manager (Branch Highways, Inc.)**

As Construction Manager, **Gregory L. Suttle** will plan, schedule, and execute the construction work and ensure the work and the material used in the work meets or exceed the contract requirements and the 'approved for construction' plans and specifications. Mr. Suttle has nearly 25 years of roadway construction experience, including 3 years as a Construction Manager for Branch Route 15 PPTA with Prince William County.

Few, if any, Construction Managers can claim more VDOT experience in Roanoke than Mr. Suttle. He has overseen construction on at least six (6) projects in Roanoke City. He personally managed maintenance of traffic on the 220/581 widening project from Elm Avenue to Route 419.

Greg recently completed the I-64 Safety Improvements project in Alleghany County for the Staunton District for VDOT, where he demonstrated his ability to successfully manage extremely challenging construction activities, such as the replacement and upgrade of the stormwater drainage system including over 50 roadway pipe crossings, all of which were accomplished under interstate traffic conditions. This system was implemented at Branch's expense and was instrumental in protecting both the traveling public and the workers during construction. Elsewhere in the Salem District, Greg managed the construction on the extremely large, complex, and multiphase I-81 /Route 460 Christiansburg Interchange project, which has characteristics and challenges similar to those of the I-581/Valley View Interchange Phase II Design-Build Project: a high profile interchange/bridge construction on a limited-access highway under high volume traffic.

As Construction Manager on the Route 15 PPTA project in Prince William County, Greg developed and implemented an effective quality control plan that ensured materials provided and work performed were in accordance with the contract requirements. Through effective weekly progress meetings, and as he will do on the Valley View project, he planned, executed, monitored, and revised construction operations and quality control processes, ensuring compliance and to the owner's satisfaction.

### **Design Manager (AECOM)**

**Harold Plott, PE** will serve as Design Manager for the Valley View Interchange Phase II Project. Mr. Plott has over 39 years of progressive experience in the design, construction administration and project management of highway and railway bridges, mass transit facilities and parking structures. His experience in project management includes not only the single or dual discipline highway and/or railroad bridge projects but also the multi-disciplines (and multi-office and/or multi-firm) of transit facilities and parking structure projects; i.e. management of architectural, structural, mechanical, electrical and civil disciplines. He recently served as the Assistant Design Manager for the I-81 Truck Climbing Lanes in Rockbridge Co. (i.e. a \$74 million design-build project with English Construction Co. for VDOT) and as Design Manager for the WMATA Blue Line Extension to Largo – Stations and Parking Facilities( i.e. a \$ 96 million design-build project with Clark-Kiewit). Mr. Plott was also the Project Manager for the Timber Trestle Replacement on NS Bridge V-2.8 over Eastern Branch Elizabeth River; i.e. replacement of approximately 1100 feet of open deck, timber trestle approach spans with ballasted, single track, precast concrete spans. Mr. Plott was also the Project Manager for the design and construction support for the multi-discipline Multipurpose Range Complex – Heavy (MPRC-H) a \$ 30 million firing range for the VA Army National Guard at Ft. Pickett in Blackstone, VA. His relevant experience also includes a management role as Task Manager (assistant project manager) for the 10 mountain tunnels (Phase I) of CSX's National Gateway Clearance Initiative. As a project manager, Mr. Plott has vast experience in the public participation / public involvement process. In addition to his project management responsibilities during the design phase, Mr. Plott also provides construction administration supervision and oversight during the construction phase.

### **Lead Structural Engineer (Mattern & Craig)**

**Steven A. Campbell, P.E.** will serve as lead Structural Engineer. Mr. Campbell served as the Lead Structural Engineer for the Phase I, I-581/Valley View Blvd. Interchange project and is therefore uniquely qualified to successfully address the structural issues that must be addressed during this project. He will be responsible for ensuring the bridge and retaining wall designs are in full conformance with the Contract documents and VDOT standards. Being local to the project, he will be readily available and responsible to review, verify and modify the design, if necessary, based on field conditions, construction activities related to dismantling and removing portions of existing structures, installing foundation structures, handling and

erecting bridge girders and making substructure and superstructure repairs. His experience includes design of bridges, which involved widening, phased construction with complicated traffic control, unique foundation conditions, major structure replacements/modifications at existing interchanges requiring increased clearances combined with grade restrictions, existing bridge evaluation, and rehabilitation, and railroad coordination, all in urban settings. Mr. Campbell, who will report directly to the Design Manager, has over 30 years of bridge design experience.

#### **Quality Assurance Manager (NXL)**

**Joseph Hamed, P.E.** is a licensed Professional Engineer in the Commonwealth of Virginia and has more than 20 years of construction and engineering experience, most recently serving as Area Construction Engineer for VDOT's Salem District. In his 20 years of experience, Mr. Hamed has served as Area Construction Engineer, Operations Program Delivery Engineer, Project Manager, Resident Engineer and Project Engineer. Mr. Hamed's experience includes multiple major construction and maintenance projects involving all levels of construction management, quality control, and construction administration services. His areas of expertise include heavy highway and bridge construction, scheduling, partnering facilitation, budgeting, constructability, and negotiating. Mr. Hamed's project experience includes oversight of the \$40 million Route 460 Bypass in Christiansburg, the \$17 million Route 58 PPTA project in Patrick County, and numerous maintenance and secondary improvement projects throughout southwest Virginia. He is currently the Quality Assurance Manager on three VDOT Design-Build projects.

#### **Design Quality Control Manager (AECOM)**

**J. Scott Hodge, P.E.** will serve as Design Quality Control Manager. Mr. Hodge has over 30 years of experience in the project management, preliminary and final site layouts for bridge and highway projects. His experience includes highway and bridge design for interstate, primary, and secondary routes in both urban and rural locations. Mr. Hodge is currently the Design Manager on AECOM's I-81 TCL design/build project in Rockbridge County for VDOT and therefore provided oversight and approval on the Design QC/QA plan implemented for the project. The Design QA/QC plan for the Valley View Boulevard Interchange will be patterned after AECOM's ISO 9001 certified Quality Management System. Mr. Hodge will report directly to the Design Manager.

#### **Quality Control Manager (McDonough Bolyard Peck)**

**Mr. Dale Grigg, PE,** will serve as Construction QC Manager and will provide the Branch Team with a service that equals or exceeds VDOT's QC requirements for Design Build projects. He has over 36 years of experience including 33 years with VDOT and has served as an Assistant Resident Engineer (8 years), District Materials Engineer (8 years), District Construction Engineer (DCE - 12 years.), and as Acting District Administrator (1.5 years). Mr. Grigg has been responsible for the quality control, quality assurance and overall management of hundreds of millions of dollars of road and bridge construction and multiple contracts involving projects of all sizes and scope including project specific as well as maintenance schedules and bridge rehabilitation.

#### **Bridge Engineer (Mattern & Craig)**

**Chad Thomas, P.E.,** will serve as a Bridge Design Engineer and will report directly to the Lead Structural Engineer. for this project. As head of the Structural Division for Mattern & Craig, he has designed many bridges involving phased construction, widening and rehabilitation. Mr. Thomas served as the Lead Structural Engineer on the ICA Region 3 Design Build Project for VDOT.

#### **Utility Coordinator (Mattern & Craig)**

**Brad Craig, P.E.** will serve as the Utility Coordinator for this project providing all utility relocations, adjustments, and coordination necessary. Currently, Mr. Craig works with VDOT on the VDOT Utilities - Statewide Contract performing the role of Project Manager. During this contract, he worked on numerous

relocations, adjustments, and coordination making him intimately familiar with handling these tasks for VDOT.

### **Design Engineer (Mattern & Craig)**

**Michael Agee, P.E.**, will report directly to the Design Manager and will act as the Lead Highway Engineer. Mr. Agee was the Project Manager and Lead Highway Design Engineer for the existing I-581/Valley View Blvd interchange. Working closely with VDOT; the City; and the contractor, Allegheny Construction; the project was designed, approved by the CTB, and constructed within 18 months. His experience in all aspects of highway and bridge projects includes roadway, storm drainage, storm water management, traffic signals, signing and pavement marking, and maintenance of traffic/phased construction. Mr. Agee is currently the Project Manager and Lead Highway Engineer on the 3 mile long, \$35 million Erickson Avenue/Stone Spring Road Connection in Harrisonburg, VA currently under construction.

### **Right of Way Acquisition (AECOM)**

**Lee Cooper** (Member of the International Right-of-Way Association) has over 19 years experience in right-of-way acquisition. Mr. Cooper will oversee the right-of-way team, VDOT prequalified Fee Appraiser(s), and VDOT prequalified Review Appraiser(s). Mr. Cooper will report directly to the Design Manager with oversight by the Design-Build Project Manager.

### **Maintenance of Traffic/TMP**

**Chad Van Hyning, PE** has over 19 years experience in roadway design with a specialty in maintenance of traffic and traffic management plans (TMP). He recently completed a TMP for Mid-Town Connector for the City of Lynchburg, VA and has provided numerous MOT plans for bridge rehab and/or replacement projects (dozens) throughout western Virginia. Mr. Van Hyning will report directly to the Design Manager with oversight by the Design-Build Project Manager.

### **Environmental and Permitting**

**Mike Harris, PE** has 18 years of experience in environmental including assessments, compliance, planning, mitigation and construction. Mike served as a Senior Environmental Scientist for 7 of those years in the VDOT Salem District, responsible for environmental planning, permit acquisition and stream restoration. Mike has served as a project manager on numerous transportation and large scale construction projects that require coordination with a multidiscipline team as well as public outreach initiatives. He is well suited for this project due to his knowledge of the area, environmental requirements and his working knowledge of transportation project requirements required by VDOT.

### **Communication Coordination (Branch)**

As team leader, Branch will be able to bring its *Worry Hard Early* approach to the project administration, from review of working drawings and critical certifications to quality control checks and issues resolution. By bringing all project participants to a common table, our experience has shown that decision-making is streamlined and a continuous flow of work maintained, resulting in improved quality and schedule performance.

The challenges and opportunity for I-581/Valley View Interchange Design-Build Project has allowed us to carefully put together a locally-based team that has success working together on previous projects. The geographical proximity of the Lead Constructors and Lead Designer, all located in Roanoke, together with the past working experiences among team members enables our team to embrace a fully open-door policy with rapid response time to potential issues. The result is positive team chemistry among the participants, improving communication and the total process, as each member understands their role and the respective role of each other team member.



## I-581 / Valley View Interchange Phase II

---

---

### 3.3.2 Organizational Chart



### 3.3.2 Organizational Chart

#### *Organizational Factors Contributing to Superior, Practical Functionality of our Relationships*

**Prior Relationships:** Despite relatively minor experience in working together on VDOT design-build projects *specifically*, our *familiarity* with one another and the *relationships* among our firms and individuals on this team, are *very close* on a professional level from many years of mutual involvement in community affairs, industry advocacy, and contractual and professional relationships: Our Team has been functional for years...before this RFQ was ever published.

**Immediate Responses:** The *close proximity* to the project of these firms allows principals and functionaries to meet face-to-face *immediately* at any of the Team members' offices or at the project site to address any issues or challenges that will certainly arise on the project. Having the ability to put the right people on site *immediately* to address issues *enhances* our levels of *functionality* to levels that a) our industry rarely gets to experience and b) *no other team* proposing on this project can match.

**Location, location, location:** Our relationship with one particular Team member provides an extremely functional purpose: his long-term ownership of *property immediately adjacent to the project*, providing secure and advantageously *exclusive access* to and from the project, as well as convenient land use for the *borrowing and disposal of earthen materials*.

#### *Description of Functional Relationships and Communication Among Participants*

Our organizational chart demonstrates clear lines of *accountability and responsibilities* of each key Team member. Team members mutually expect from one another a strong commitment to perform and deliver quality, timely results. Our well-defined organization, relationships, responsibilities, and expectations, along with continual interaction and communication among all Team members, will provide the understanding needed to enable the team to deliver a top-quality, on-time project within VDOT's budget.

The Design-Build Project Manager will bear *full responsibility* and is *accountable* for the overall communication coordination on the project. As part of his primary responsibilities, Mr. Higgins will create a work environment that promotes a *collaborative, result oriented atmosphere* and leads team members and other parties, including VDOT and other third parties, to function in an *'open but formal'* environment. He will create this environment through training of Key Personnel and through his personal example. This kind of environment will *optimize understanding, mutually protect* the parties from contractual nonconformities, and *empower* our respective *functionaries* to operate in an environment where they can *make decisions* appropriate to their level of responsibility.

"Open but formal" provides the best of both worlds: Lines of authority and responsibility are limited and clear, but communication and interaction are encouraged to occur throughout the organization among any of the participants at any time. In terms of contractual issues, contract administration, reporting, and regulatory issues, our communications and relationships will be formal and well documented, for the purpose of keeping all the parties within their contractual obligations and protecting one another from potentially harmful contractual non-conformities.

For the purposes of planning and executing the work, problem solving, coordinating our various activities, design reviews, etc., we will create a series of structured interactions, designed to foster trust, continual communication, and collaboration.

By structuring the interaction of participants in a manner that forces them to regularly address planning, progress, and issues, a boundary-less, open, work environment develops and the problems and mistakes often associated with poor communication or a lack of understanding are minimized. Over the life of the

project, stakeholders can anticipate *meeting regularly* to prepare, plan, evaluate, and adjust the performance (including design) and coordination of project activities and responsibilities. We will accomplish this primarily through:

- *Weekly Progress Meetings* conducted by the *Construction Manager (CM)*.
- *Topical Meetings* to discuss specific project issues.
- *End of Shift Meetings* conducted by CM for project personnel including QA/QC.
- *Morning Huddles* conducted by foremen at the crew level.
- *Executive Committee Meetings* including all key personnel throughout the life of the project.
- *Other Miscellaneous Meetings Issues* - local law enforcement, emergency services, community leaders, and other government officials to facilitate communications with stakeholders and provide timely and proactive responses.

Throughout the design process, the design team will solicit and consider input from various team members, including the client, other agencies, adjacent property owners, and other parties whose input will provide value to the client, the project and the community. At a minimum, they will solicit input on actual site conditions; safety, traffic, environmental, and community issues; project goals; constructability; and efficient and effective phasing. They will evaluate suggestions for design changes and improvements throughout the design and construction of the project.

### *Communications of Participants with VDOT and Stakeholders*

**Design-Build Project Manager – Mike Higgins** will be the single point of contact dealing with VDOT at an executive level on all project matters. Also, several of the Key Personnel and other team members will be in direct contact with outside agencies, VDOT staff, and various stakeholders during project design and construction. The following describes some of the anticipated direct communication between Branch Team members, VDOT and third parties.

The Design-Build Project Manager plays a *critical role* in the success of the project. He is essentially a communication hub to the rest of the Key Personnel. The functional relationship and open communication among these five individuals are critical to the success of the project. But where formal communication or interaction is needed, he will be the Single Point of Contact for VDOT’s representative, the CM, the DM, and the QAM.

**Design Manager – Harold Plott** will interact directly with VDOT project representative, review staff to coordinate design oversight reviews and gain design approvals. The Design Manager will conduct comment resolution meetings and coordinate directly with VDOT staff as necessary to ensure the design intent is clear and that oversight review comments provided by VDOT are addressed properly.

**Right of Way Manager – Lee Cooper** will deal directly with affected property owners. Interaction will include site visits and meetings to review appraisals and other documents necessary for negotiation of right of way and easement acquisition.

**Traffic Maintenance / TMP Lead** – will coordinate with VDOT and City of Roanoke to develop an Emergency Response Plan to provide for access for emergency vehicles and other emergency responders through the project work

**I-581/Valley View Interchange**  
Phase II



**Other Stakeholders**  
City of Roanoke  
Valley View

**Quality Assurance Manager**  
Joseph Hamed, PE

**Design-Build Project Manager**  
Michael Higgins

**Safety Manager**  
TBD

**Quality Assurance & Testing**  
TBD

**Construction Manager**  
Greg Suttle

**Design Manager/  
Public Involvement**  
Harold Plott, PE

**Design QA/QC**  
Scott Hodge, PE

**Roadway Superintendent**  
Greg Montgomery

**Bridge Superintendent**  
Billy Carter

**Quality Control Manager**  
Dale Grigg, PE

**Roadway Design**  
Michael Agee, PE (M&C)  
David Rauchle, PE (AECOM)

**Lead Structural Engineer**  
Steve Campbell, PE

**Right of Way**  
Lee Cooper  
Appraisals - TBD

**Grading Crews**

**Bridge Crews**

**QC Testing & Inspection**  
TBD

**Drainage/  
H&HA**  
Thomas Austin, PE (M&C)  
Ryan Fedak, PE (AECOM)

**Bridge Design**  
Chad Thomas, PE (M&C)  
Pam Mann, PE (AECOM)

**Environmental/  
Permitting**  
Andrew Kassoff, PE  
Mike Harris, PE

**Subcontractors**

**Subcontractors**

**Traffic Maintenance / TMP**  
Chad Van Hying, PE (AECOM)  
James Voso PE (M&C)

**Geotechnical**  
Steve Conner, PE

**Utilities**  
Bradley Craig, PE

**Surveying**  
Philip Mundy, LS

**Lighting**  
Mitch Cobbs, PE

**LEGEND**

Branch Highways	NXL Construction Services
AECOM	McDonough Bolyard & Peck
Mattern & Craig	EEE Consulting
Allegheny Construction	Schnabel Engineering
AECOM with Mattern & Craig as Subcontractor	

**NOTE**  
 Key Personnel



## I-581 / Valley View Interchange Phase II

---

---

### 3.4 Experience of Offeror's Team



### 3.4 Experience of Offeror's Team



**Branch Highways, Inc.** (Branch), a wholly-owned subsidiary of The Branch Group, Inc. (an employee-owned Virginia corporation), is the team leader for this project (Offeror), submitting this Statement of Qualifications to the Virginia Department of Transportation. Headquartered in Roanoke, Branch has been constructing transportation infrastructure since the mid-1960's (later incorporated as 'Branch Highways' in 1986.) Our business experience has covered civil construction works in Virginia, North Carolina, Tennessee, Mississippi, Pennsylvania, West Virginia and Maryland. The firm provides design and construction services for both public and private owners, including numerous large and complex projects such as the Route 58 PPTA, Stafford County Centreport Parkway, I-81/Route 460 Christiansburg Interchange, Route 460/South Main Street Blacksburg Interchange, Route 58 Danville By-Pass and the Route 262 Staunton By-Pass which earned VDOT's state quality award in 2003. Branch is one of five subsidiary operating companies of The Branch Group, Inc., currently ranked No. 230 overall nationally by *Engineering News-Record (ENR)*. Branch and the other operating companies of The Branch Group regularly maintain a backlog of bonded contracts between \$300-\$400 million. Throughout its' history and experience with VDOT and other state agencies and owners, Branch has grown an unmatched level of success in completing large, complex projects with very high levels of clients' satisfaction. The individuals within Branch's management team have a wealth of experience in transportation projects.

One VDOT District Administrator recently wrote that Branch's senior management is "*competent, highly qualified, of good character and honest and reliable in their dealings with the Department.*" Furthermore, Branch has "*become one of..., if not the, most professional and cooperative construction firms with which we do business.*" And lastly, "*[e]ven in the rare instances in which we are unable to reach an agreement it is clear to me that a high value is placed on maintaining good communication and a good working relationship.*"

No design-builder or contractor has more experience and success than Branch has in design-build or construction projects for the Salem District and similar to the I-581/Valley View Interchange Phase II Project, including: the Hillsville ByPass; the widening of 220/I-581 from just south of the Elm Avenue Interchange to 419; several interchange improvement projects on I-81; the I-81 Christiansburg Interchange; the 460 ByPass in Blacksburg; and improvements to Wells Avenue, Merriman Avenue, Brambleton Road, Peter's Creek Road, 2<sup>nd</sup> Street, and Brandon Avenue, all of which are in Roanoke area. Other past project experience includes working with the Team's structural design firm, Mattern & Craig, on the vehicular and pedestrian bridges spanning the Roanoke River for Carilion Hospital and the Second Street Bridge over Norfolk Southern Railroad Second Street/Wells Avenue Project for VDOT and the City of Roanoke. Branch and AECOM (HSMM) have worked frequently together, including the Market Square Walkway Bridge Project in downtown Roanoke, the Route 15 James River Bridge in Bremo Bluff, the Western Virginia Regional Jail Site Grading and Entrance Road, Smith Gap Regional Landfill Phase III/IV, and the Rockingham County Sanitary Landfill Expansion, Phase I.

Branch's past record of performance in the design-build arena is verified by our early completion and on-budget (no change order or increased costs to VDOT) performance on our Route 58 Meadows of Dan Project, Route 58 Hillsville By-Pass Project (VDOT), the completion of the Route 15 Improvements Project (Prince William County), and the ongoing design and construction of "Lot 24" for Wythe County. Some of this success can be attributed to our policy of on-going "*Lessons-Learned*" yearly sessions with key team personnel to evaluate our past performances and provide measures to address and resolves issues and concerns. This meeting is facilitated by the Design-Build Project Manager. Items that have been generated from our Lessons-Learned meetings will be incorporated into this project.

**AECOM** AECOM is known as a leader in the transportation industry and is ranked #1 by Engineering News Record. The firm was established in 1990 from many legacy companies, some dating back 90 years. AECOM has been providing transportation services to VDOT out of the Roanoke office for over 60 years. The company is a global provider of professional technical and management support services to a broad range of markets, including transportation, facilities, environmental and energy. AECOM provides a blend of global reach, local knowledge, innovation, and technical excellence in delivering solutions that enhance and sustain the world's built, natural, and social environments.

AECOM will serve as the Lead Designer for this project. AECOM's Roanoke office has transportation resources of over 40 technical personnel who provide expertise in bridge, roadway, hydraulics, and other transportation related disciplines. In addition, AECOM's Glen Allen office has over 20 technical personnel with similar experience to provide support as necessary.

AECOM's recent VDOT projects include: I-81 Truck Climbing Lane, Rockbridge County, VA, Piedmont Drive/Robertson Bridge over Dan River, Danville, VA. AECOM has worked with Branch on the Market Square Walkway project in the City of Roanoke and Route 15 over the James River Bridge Replacement project in the Town of Bremo Bluff. AECOM has worked with Alleghany Construction on the Rehabilitation of the Martin Luther King Jr. Memorial Bridge in the City of Roanoke and 9<sup>th</sup>/10<sup>th</sup> Street Connector Underpass (CSX) in the City of Charlottesville.

AECOM will provide implementation and oversight of the Design Quality Control / Quality Assurance aspects for this project. AECOM has implemented Design QC/QA plans for I-81 TCL in Rockbridge County and the Multiple Bridge Rehabilitation in Region 4, both Design-Build projects for VDOT. The Design QC/QC plan for this project will be patterned after AECOM's ISO 9001 certified Quality Management System. AECOM and Mattern and Craig will be sharing roadway and bridge design responsibilities and then performing QC checking on each other design calculations and plan development.

AECOM will provide the services for right-of-way management, title searches, negotiations and relocations. AECOM has a staff of right-of-way specialists with experience ranging from 5 to 19 years. AECOM will utilize the services of a VDOT prequalified right-of-way contracting consultant as well as a VDOT prequalified Fee Appraiser and a VDOT prequalified Review Appraiser. All right-of-way personnel working on this project will be certified by VDOT to perform these duties in the Commonwealth of Virginia. All acquisitions will be acquired under the UNIFORM RELOCATION and REAL PROPERTY ACQUISITION POLICIES ACT as per 1950 Code of Virginia Titles 25 & 33.1 specific to Right-of-Way Acquisition along with the latest VDOT Manual of Instructions. All appraisals will meet the Uniform Standards of Professional Appraisal Practice (USPAP).



**Mattern & Craig, Inc.;** a SWaM firm founded in Roanoke, Virginia 32 years ago; was established to offer comprehensive civil engineering and surveying services. Consistently adhering to its original objectives, our Firm gradually enhanced its staff by adding experts in bridge and transportation/highway engineering, site planning, and solid waste. Mattern & Craig's staff includes 5 bridge engineers and 9 roadway/transportation engineers, as well as experienced design and CADD technicians.

Mike Agee served as Project Manager and Lead Roadway Engineer and Steve Campbell as Lead Structural Engineer for the original I-581/Valley View Boulevard Interchange and Bridge Project. Only

being allowed 6 months from survey to completion of design, the project included surveys, geotechnical analysis, and preparation of construction documents for the new trumpet interchange. Mr. Agee also led the public participation process for this project. Funded by the City of Roanoke; the project was reviewed, approved, advertised, and constructed by VDOT.

Mattern & Craig teams well with other firms including both Branch and Allegheny. Branch worked with Mattern & Craig to construct the Carilion Bridges Project, which included pedestrian and vehicular bridges over the Roanoke River, the Second Street Bridge over Norfolk Southern Railroad, and the Wells Avenue Project for VDOT and the City of Roanoke. Mattern & Craig has also worked with Allegheny Construction on the Broad Street Culvert Rehabilitation Project for the City of Salem as well as the VDOT I-581/Valley View Blvd, Phase I project.



**Allegheny Construction Company, Inc.**, founded in 1963, is a SWaM Class A Heavy/Highway General Contractor licensed in Virginia, North Carolina, and Tennessee. Allegheny has undertaken and completed a wide range of projects from arched dams to historic bridge restorations.

Allegheny's experience also includes interstate and railroad bridges as well as commercial and industrial site developments. Allegheny has decades of experience with VDOT as well as having worked with counties, municipalities and federal agencies. In addition to sensitive historic restorations, Allegheny prides itself on undertaking modern and advanced engineering challenges.

In the Roanoke area, some of Allegheny's bridge experience includes: Rt. 419 Roanoke River Bridge at Lewis Gale Hospital (VDOT), Mason Mill Bridge over Tinker Creek (City of Roanoke), Rt. 11 Bridge over Tinker Creek (VDOT), and Rt. 24 Bridge over Tinker Creek (VDOT) and the Phase I Interstate 581 Valley View Blvd. Interchange over I-581 (VDOT). More recent work includes the pedestrian bridge over the Roanoke River near Vic Thomas Park (USACE) and the Martin Luther King Bridge renovation for the City of Roanoke for which the designer AECOM was recognized and received several awards. Allegheny is currently constructing the VDOT Culpeper District Rt. 620 road and bridge over Mountain Run Creek.

Allegheny has considerable project experience with high traffic count roadways. These projects include Rt. 634 (Hardy Road) widening (VDOT), Rt. 40 widening in Rocky Mount which also included a bridge over the Norfolk Southern for an access ramp onto Rt. 220 (VDOT) as well as the Valley View Interchange, Phase I (VDOT). Having constructed the previous phase of the Interchange, Allegheny is well versed in the types of challenges presented by this I-581/Valley View Interchange, Phase II Project.



**Quality Assurance: NXL Construction Services, Inc.**

In our efforts to include DBE/minority participation as part of our team, the Branch Team has selected NXL to perform the construction quality assurance. NXL Construction Services, Inc. is a 100% minority-owned VDOT-certified DBE/MBE firm that was founded in 1989 and is based in Richmond, Virginia, with other locations including Atlanta, Georgia, Northern Virginia and Hampton Roads, Virginia. Mr. Nico De León, President and Founder of the firm, is a registered professional engineer in Virginia, Georgia, Delaware, North Carolina, Florida, and California. NXL provides construction inspection services for transportation and engineering design projects. NXL has over 90 employees providing construction inspection services including quality assurance inspection and testing.

**Quality Control & Testing: McDonough Bolyard & Peck**

MBP has provided construction Quality Control (QC) inspection and testing services for VDOT for over 20 years. MBP can provide inspectors with VDOT certifications in all areas including Intermediate Work Zone. MBP has successfully assisted with Construction Management, Quality Assurance and Quality Control inspection services on over 200 projects across Virginia and is currently providing these services on over \$500 million of construction for VDOT. Their inspectors are experienced with working on all levels of VDOT's bridge and highway construction projects, including projects very similar to Salem's Valley View Interchange Design Build project. Those projects include concrete placement, pavement, traffic signalization, surveying, landscaping, materials testing, fabrication, erection, and special systems. MBP has managed numerous specific contracts for Quality Assurance and Quality Control inspection services including the Salem District (Six District-wide Contracts).

MBP's Roanoke office is ideally suited to service this project, working as an extension of Branch's Construction Team to provide QC Management, QC inspection and QC testing. They have a standing relationship with local AMRL certified laboratories that will assist us in performing QC lab tests.

**Schnabel Geotechnical:**

Schnabel Engineering is a preeminent provider of geotechnical engineering services, with a wealth of experience on transportation projects for VDOT, and other DOTs. Schnabel was established in 1956, and has maintained an office in Blacksburg, Virginia since 1989. Schnabel's project manager will be Mr. Steven Conner, PE, who has extensive experience in site evaluations, foundation design, and sinkhole mitigation in karst geologic settings. Schnabel's geotechnical engineering and materials testing laboratory in Blacksburg is regularly evaluated by external quality assurance programs conducted by AASHTO Materials Reference Laboratory and the United States Army Corps of Engineers.

Schnabel's VDOT experience in western Virginia includes the preliminary geotechnical engineering investigation for the Replacement of the Rte. 114 Bridges over New River and NS Railroad in Montgomery and Pulaski County and for the Givens Lane Widening / Progress Street Extension project in Blacksburg. Schnabel is currently working with AECOM on the I-81 Staunton District Truck Climbing Lane Design-Build Project in Rockbridge County and on the Route 11, 220, 220A Access Management Project at I-81, Exit 150 in Botetourt County.

**Environmental and Permitting: EEE**

EEE Consulting, Inc. is a dynamic and progressive certified small business that specializes in environmental studies, environmental engineering, environmental education, and planning. They have a broad experience base, having worked with federal, state, and local governments and a variety of private sector firms on thousands of projects across the country.

EEE has a staff of 40 engineers and scientists, with significant experience dealing with environmental regulatory agencies on VDOT projects. EEE provides a full spectrum of environmental engineering and science services. EEE has recently provided a combination of Section 404 wetland and stream delineation, permitting, impact analysis, compensatory mitigation feasibility analysis, threatened and endangered species evaluation and mitigation design for numerous major linear transportation projects in Virginia including the Route 81 Truck Climbing Lanes in Montgomery County and the Fairfax County Parkway in Fairfax County.



## I-581 / Valley View Interchange Phase II

---

---

### 3.5 Project Risk



### 3.5 *Project Risk*

#### 3.5.1 *Project Risk – Right of Way*

Right-of-way acquisition is often considered one of the top three sources of transportation project delay, along with environmental processes, and utility relocation. Right-of-way personnel are frequently caught in an ever shrinking time window, waiting for the designer to confirm what properties to acquire, and then having to secure rights-of-way by a fixed date so that construction can begin. In addition, if condemnation is required under eminent domain, they are often at the mercy of an overburdened judicial system. Nevertheless, our right-of-way staff has succeeded in a variety of ways to avoid the hot-seat of critical path delays with such mitigation strategies as:

- Providing in advance title searches to verify property ownership, based on preliminary design plans.
- Streamlining internal right-of-way practices in terms of contacts with property owners, appraisals, appraisal review, negotiations, relocation assistance, and implementing settlements.
- Obtaining right of entries that would allow the construction to begin and not further delay the project, this concept is an excellent tool that also allows for continued negotiations.
- Reducing eminent domain cases through policies that encourage greater flexibility in negotiating with property owners.
- Permitting concurrent right-of-way acquisition during construction; and
- Re-structuring state processes to permit earlier acquisition of properties.

Possession, entry and use of a parcel must be managed with extreme care to prevent significant negative impacts to the project and Department as it relates to negotiations with adjacent and neighboring landowners.

The Branch Team (thru the management of Allegheny Construction Co.) owns certain properties acquired during the Phase I construction that are adjacent to I-581 that may be necessary for the completion of Phase II. In addition, Allegheny maintains relationships with several of the other key land owners likely to be affected by Phase II. The ability to reduce right-of-way acquisition costs and durations should directly benefit VDOT in both overall project cost and speed of delivery.

#### 3.5.1 *Project Risk – Maintenance of Traffic (MOT)*

Maintenance of multi-modal traffic through the interchange during construction is an identifiable project risk, complicated by the multiple stages of construction, including temporary construction of certain ramp sections/segments will be required. The primary MOT risk factors for the I-581 interchange improvement project include:

**Maintenance of I-581 Traffic** – Maintenance of traffic on I-581 will be accomplished with the typical VA Protection Manual procedure with the exception of times when steel beams are being set. Mitigation strategies for the setting of steel beams will include:

- Rolling roadblocks during night time hours when traffic is lighter.
- During the construction of the original bridge, a signal detour at night onto Williamson Road between Hershberger Road and Orange Avenue was successfully used to set beams.

- The borrow site, available to the Branch Team, located west of I-581 and the project site will avoid the comingling of construction traffic and public traffic on I-581. This is a mitigation of MOT risk and safety risk.

**MOT on Valley View Boulevard** – Maintenance of traffic on Valley View Boulevard and through the interchange is a major project risk for providing acceptable access to area businesses. Certain periods during the year are critical to the vitality of many of these businesses which must be considered in the sequencing and completion of construction phases. Mitigation strategies include:

- Variable message signs to assist motorists in alternate routing to Valley View Mall and Valley View Boulevard.
- As for I-581 traffic, the location of the borrow site will reduce the interference of construction traffic on the public traffic.
- Construction of temporary ramps Y and Z provide continuous access. Temporary ramps properly constructed, signed, and marked is critical in eliminating driver/shopper confusion and maintaining safety during switchovers and during periods of heavy traffic.

**MOT for the Shared-Use Path** – Maintenance of the shared use pedestrian/bikeway facility is important to the community residents and others using this portion of the Lick Run Greenway. Mitigation strategies for maintaining pedestrian and bicycle access through the construction area include:

- It may be noted that the Ramp Y proposed right of way requires acquisition of a large portion of existing Roanoke Regional Airport property. This contains a FAA-required navigational aid which may not be relocatable. This may affect the final design of Ramp Y to mitigate this risk.
- The preliminary plans indicate construction of a temporary section of shared use path beyond the roadway template for the various phases of construction. Within the limits of the roadway construction zone, safety of multi-modal users will be paramount.
- Acceptable walking and biking surfaces and physical barrier separation of vehicles from pedestrians will serve to mitigate this risk. Temporary signing and trail markers during construction will assist the users in following a safe designated route. Construction of that portion of the shared use path in front of Target in the first phase may be prudent to minimize route changes as much as possible during the construction. The final facility should have a concrete barrier separation from vehicle traffic and pedestrian screening fence, as on the existing bridge and ramp facilities, not just sidewalk and curbing.

### ***3.5.1 Project Risk – Environmental Factors***

Issuance of required permits by regulatory agencies can either lead to project success or result in lengthy delays to the start of construction and impact project completion. Joint agency coordination initially with these regulatory agencies to provide project details, determine the appropriate permits, and then identify potential environmental impacts and subsequent mitigation techniques are the primary steps needed to ensure project success. The Branch Team includes highly reputable, experienced firms that have worked with the regulatory agencies on similar projects to deliver successful projects within the contract time constraints.

The primary environmental risk factors associated with the I-581/Valley View Interchange, Phase II project include:

**Stream Restoration and Mitigation (High Risk)** – due to unknown mitigation strategy acceptance by regulatory agencies. Range of potential costs and project duration between onsite and mitigation bank/in-lieu fee participation are significant. Mitigation strategies include:

- Onsite mitigation using a threshold stream design will be proposed under the Nationwide 23 to mitigate the stream relocation adjacent to the interchange. Should it be determined that additional impacts associated with the proposed retaining wall near the Hershberger Interchange exceed permitting thresholds under the Nationwide 23, a proposal to permit those activities under a Nationwide 27 will be put forward.

**Potential for Threatened and Endangered Species (Moderate to High Risk)** – early coordination with regulatory agencies will define critical issues. Federal funding in the project will render the Federal Highway Administration (FHWA) the lead agency for T&E coordination. Mitigation strategies include:

- Early coordination to focus on avoiding time of year restrictions by conducting an onsite habitat assessment to demonstrate that onsite streams do not currently support habitat.

**CWA 401/404 Permitting of Stream and Wetland Impacts (Moderate Risk)** – this project meets criteria for Nationwide Permitting. Potential requirement for an Individual Permit (IP) exists depending on threshold impacts, agency concern for aquatic environment and impact interpretation – an IP would be significantly more expensive and time consuming. Mitigation strategies include:

- Requesting the issuance of a valid Categorical Exclusion (CE) and to propose to permit the project under a NWP 23. The threshold impacts for a CE are up to 0.5 acres of wetland impacts and these thresholds cannot be exceeded. Our design will ensure these thresholds limits are not exceeded.

**Hazardous Materials Clearance (Low to Moderate Risk)** – unknown conditions or unwillingness to sell could impact project sequencing. Mitigation strategies include:

- Performing pre-acquisition studies and pre-demolition material analysis. With access agreements already in place with several of the potentially impacted parcels, the Branch Team can start this work immediately minimizing potential delays to the project. A Material Handling Plan will be developed to ensure the proper management and disposal of any hazardous materials.



# I-581 / Valley View Interchange Phase II

---

---

## Appendix



**ATTACHMENT 3.1.2**

**0581-128-109, P101, RW201, C501, B627**

**STATEMENT OF QUALIFICATIONS CHECKLIST AND CONTENTS**

**(Revised December 05, 2011)**

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

<b>Statement of Qualifications Component</b>	<b>Form (if any)</b>	<b>RFQ Cross reference</b>	<b>Included within 20-page limit?</b>	<b>SOQ Page Reference</b>
<b>Statement of Qualifications Checklist and Contents</b>	Attachment 3.1.2	Section 3.1.2	no	A-21 to A-23
<b>Acknowledgement of RFQ, Revision and/or Addenda</b>	Attachment 2.10 (Form C-78-RFQ)	Section 2.10	no	A-24
<b>Letter of Submittal (on Offeror's letterhead)</b>				
Offeror's point of contact information	NA	Section 3.2.1	yes	2
Authorized Representative's signature	NA	Section 3.2.1	yes	2
Principal officer information	NA	Section 3.2.2	yes	2
Offeror's Corporate Structure	NA	Section 3.2.3	yes	2
Affiliated/subsidiary companies	NA	Section 3.2.4	yes	3
Debarment forms	Attachment 3.2.5(a) Attachment 3.2.5(b)	Section 3.2.5	no	A-25 to A-32
Offeror's VDOT prequalification evidence	NA	Section 3.2.6	no	3
Evidence of obtaining bonding	NA	Section 3.2.7	yes	6
<b>Professional Services Evidence</b>				
Full size copies of SCC and DPOR registration documentation (appendix)	NA	Section 3.2.8	no	A-50

**ATTACHMENT 3.1.2**  
**0581-128-109, P101, RW201, C501, B627**

**STATEMENT OF QUALIFICATIONS CHECKLIST AND CONTENTS**

(Revised December 05, 2011)

<b>Statement of Qualifications Component</b>	<b>Form (if any)</b>	<b>RFQ Cross reference</b>	<b>Included within 20-page limit?</b>	<b>SOQ Page Reference</b>
SCC Registration	NA	Section 3.2.8.1	yes	3
DPOR Registration (Offices)	NA	Section 3.2.8.2	yes	4
DPOR Registration (Key Personnel)	NA	Section 3.2.8.3	yes	5
DPOR Registration (Non-APELSCIDLA)	NA	Section 3.2.8.4	yes	5
<b>DBE statement within Letter of Submittal</b> confirming Offeror is committed to achieving the required DBE goal	NA	Section 3.2.9	yes	5
<b>Offeror's Team Structure</b>				
Identity of and qualifications of Key Personnel	NA	Section 3.3.1	yes	7
Key Personnel Resume – DB Project Manager	Attachment 3.3.1	Section 3.3.1.1	no	7
Key Personnel Resume – Quality Assurance Manager	Attachment 3.3.1	Section 3.3.1.2	no	9
Key Personnel Resume – Design Manager	Attachment 3.3.1	Section 3.3.1.3	no	8
Key Personnel Resume – Construction Manager	Attachment 3.3.1	Section 3.3.1.4	no	7
Key Personnel Resume – Lead Structural Engineer	Attachment 3.3.1	Section 3.3.1.5	no	8
Organizational chart	NA	Section 3.3.2	yes	13
Organizational chart narrative	NA	Section 3.3.2	yes	11
<b>Experience of Offeror's Team</b>	NA	Section 3.4	yes	14 to 17
Lead Contractor Work History Form	Attachment 3.4.1(a)	Section 3.4	no	A-44 to A-46

**ATTACHMENT 3.1.2**

**0581-128-109, P101, RW201, C501, B627**

**STATEMENT OF QUALIFICATIONS CHECKLIST AND CONTENTS**

(Revised December 05, 2011)

<b>Statement of Qualifications Component</b>	<b>Form (if any)</b>	<b>RFQ Cross reference</b>	<b>Included within 20-page limit?</b>	<b>SOQ Page Reference</b>
Lead Designer Work History Form	Attachment 3.4.1(b)	Section 3.4	no	A-47 to A-49
<b>Project Risk</b>				
Identify and discuss three critical risks for the Project	NA	Section 3.5.1	yes	18 to 20

**ATTACHMENT 2.10**

**COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF TRANSPORTATION**

RFQ NO. C00016595DB01  
PROJECT NO.: 0581-128-109, P101, RW201, C501, B627

**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 10/11/2011  
(Date)
2. Cover letter of \_\_\_\_\_  
(Date)
3. Cover letter of \_\_\_\_\_  
(Date)

  
\_\_\_\_\_  
SIGNATURE

11/28/11  
\_\_\_\_\_  
DATE

ATTACHMENT NO. 3.2.5(a)

**CERTIFICATION REGARDING DEBARMENT  
PRIMARY COVERED TRANSACTIONS**

Project No.: 0581-128-109, P101, RW201, C501, B627

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

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

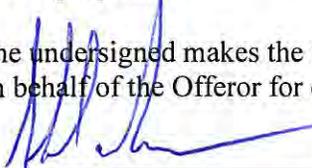
b) Have not within a three-year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State or local) transaction or contract under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

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

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

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

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

11/22/11  
\_\_\_\_\_  
Date

Vice President  
\_\_\_\_\_  
Title

Branch Highways, Inc.  
\_\_\_\_\_  
Name of Firm

**ATTACHMENT NO. 3.2.5(b)**

**CERTIFICATION REGARDING DEBARMENT  
LOWER TIER COVERED TRANSACTIONS**

Project No.: 0581-128-109, P101, RW201, C501, B627

- 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 proposal.

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

<u>Stew J. Chapin</u>	<u>November 23, 2011</u>	<u>Senior Vice President</u>
Signature	Date	Title

AECOM Technical Services, Inc.  
Name of Firm

**ATTACHMENT NO. 3.2.5(b)**

**CERTIFICATION REGARDING DEBARMENT  
LOWER TIER COVERED TRANSACTIONS**

Project No.: 0581-128-109, P101, RW201, C501, B627

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 proposal.

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.

*[Handwritten Signature]*      11/28/11      President  
Signature                      Date                      Title

Mattern & Craig, Inc.  
Name of Firm

**ATTACHMENT NO. 3.2.5(b)**

**CERTIFICATION REGARDING DEBARMENT  
LOWER TIER COVERED TRANSACTIONS**

Project No.: 0581-128-109, P101, RW201, C501, B627

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 proposal.

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

11-28-11

Vice President

Title

Allegheny Construction Co Inc

Name of Firm

**ATTACHMENT NO. 3.2.5(b)**

**CERTIFICATION REGARDING DEBARMENT  
LOWER TIER COVERED TRANSACTIONS**

Project No.: 0581-128-109, P101, RW201, C501, B627

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 proposal.

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

November 28, 2011

\_\_\_\_\_  
Date

President

\_\_\_\_\_  
Title

NXL Construction Services, Inc.

\_\_\_\_\_  
Name of Firm

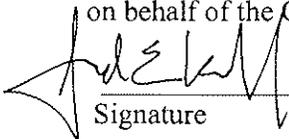
**ATTACHMENT NO. 3.2.5(b)**

**CERTIFICATION REGARDING DEBARMENT  
LOWER TIER COVERED TRANSACTIONS**

Project No.: 0581-128-109, P101, RW201, C501, B627

- 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 proposal.

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.

	November 28, 2011	Vice President
Signature	Date	Title

EEE Consulting, Inc.  
Name of Firm

**ATTACHMENT NO. 3.2.5(b)**

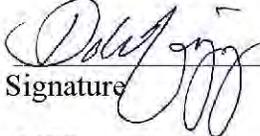
**CERTIFICATION REGARDING DEBARMENT  
LOWER TIER COVERED TRANSACTIONS**

Project No.: 0581-128-109, P101, RW201, C501, B627

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 proposal.

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

	11/28/2011	Branch Manager
Signature	Date	Title
<hr/>		
MBP		
Name of Firm		

ATTACHMENT NO. 3.2.5(b)

**CERTIFICATION REGARDING DEBARMENT  
LOWER TIER COVERED TRANSACTIONS**

Project No.: 0581-128-109, P101, RW201, C501, B627

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 proposal.

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

	11/28/11	Principal
Signature	Date	Title

Schnabel Engineering Consultants, Inc.  
Name of Firm

## ATTACHMENT 3.3.1

### KEY PERSONNEL RESUME FORM

Brief Resume of Key Personnel anticipated for the Project.
a. Name & Title: <b>Michael P. Higgins, P.E. (Mike), Vice President of Operations and Design-Build Services</b>
b. Project Assignment: <b>Design-Build Project Manager</b>
c. Name of Firm with which you are now associated: <b>Branch Highways, Inc.</b>
d. Years experience: With this Firm <u>12</u> Years With Other Firms <u>14</u> Years Please list chronologically (most recent experience first) your employment history, position and general experience or fields of practice for the last fifteen (15) years. (NOTE: If you have less than 15 years of experience, please list all of your experience for those years you have worked.):  <i><b>Branch Highways, Inc. Vice President of Operations and Design-Build Services February 2010 - Present</b></i> Responsible for operational functions within the company including operational, logistics, training and safety at all levels of operations and in all divisions of the company, resource assignment, employee staffing, scheduling, production and positive cash flow while enforcing company policy and encouraging best practice application in the field. In conjunction with the President and the Vice President of Estimating, will develop, implement, and monitor the company's business plan and overall goals, including Vision 2020. Duties and responsibilities as Director of Design-Build Services still apply as outlined below. Since 2003, has personally and actively overseen the procurement, design, permitting, construction, QA/QC, ROW acquisition, utility relocations, and environmental mitigation of nearly \$300 million worth of design-build work, providing ample qualifications and experience and providing confidence to clients that their projects and risks will be effectively managed.  <i><b>Branch Highways, Inc. Dir. of Design-Build Services / Sr. Project Manager March 2008 – February 2010</b></i> Managing large, complex construction projects as well as providing oversight and direction of the company's design-build procurement/construction process and operations. Responsibilities include development of company's procurement process for design-build projects as well as developing and overseeing management practices and reporting for company's ongoing design-build projects. Project management responsibilities include serving as the primary point of contact with the owner and local public entities, oversight and management of all contract requirements for multiple projects. These responsibilities include serving as the Design-Build Project Manager for the Route 58 and Route 15 PPTA projects. Mr. Higgins is an active participant in the Virginia Transportation Construction Alliance (VTCA), serving as a member of the Board of Directors and as co-chairperson of the Design-Build Committee.  <i><b>Branch Highways, Inc. Dir. of Project Management / Project Manager January 2003 - March 2008</b></i> Managed various projects for company including Route 58 PPTA as well as providing oversight and direction for the company's project management operations. Responsibilities included establishment and development of project management means and methods along with mentoring current project management/engineering staff. Project management responsibilities included the primary point of contact with the owner and local public entities, oversight and management of all contract requirements for multiple projects. These responsibilities included the serving as the Design-Build Project Manager for the Route 58 and Route 15 PPTA projects.  <i><b>Branch Highways, Inc. Senior Estimator October 1999 - December 2002</b></i> Performed any and all activities and duties required for the company's procurement process in acquiring new work. These procurements included design-bid-build and design-build procurements in Virginia and North Carolina. Responsibilities included bid preparation, quantification, subcontractor/vendor solicitation and procurement, identification of new business opportunities and development of potential projects.  <i><b>Lane Construction Project Engineer in Charge January 1995 - September 1999</b></i> Performed project management duties for the reconstruction of the Buena Vista Floodwall Project for the Norfolk District of the U.S.A.C.O.E. in Buena Vista, VA. Responsibilities included development, implementation and oversight of the project Quality Control plan and operations as well as serving as the primary point of contact with the owner and local public entities, oversight and management of all contract requirements for documentation, payment process, project scheduling and updating, public information, subcontractor and vendor procurement and management. Provided oversight and management for a field staff of over 10 supervisors (superintendents and foremen) and office staff of six engineers/office personnel.
e. Education: Name & Location of Institution(s)/Degree(s)/Year/Specialization: <b>West Virginia Institute of Technology, Montgomery, WV / BS / 1985 / Civil Engineer</b>

f. Active Registration: Year First Registered/ Discipline/VA Registration #:  
**Not Applicable**

- g. Document the extent and depth of your experience and qualifications relevant to the Project.
1. *Note your specific responsibilities and authorities for each assignment, 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 assignment.*

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

***Route 58 Hillsville Bypass PPTA, VDOT***

***Design-Build Project Manager***

Design-Build Project Manager responsible for coordination and oversight for overall project management including being the authorized representative for contractor and PPTA Project Manager for overall project design, construction quality, management and contract administration, and planning and scheduling of all project activities, design coordination, ROW acquisitions, utility relocation activities, permitting and environmental monitoring, QA/QC procedure & implementation and construction management. Conducted public meetings to provide local government, business and residents with information about the project, and will continue to interact with both parties to address questions or concerns during the construction progress. Additionally responsible for subcontractor and vendor procurement, project tracking and reporting.

Experience With: ***Branch Highways, Inc.***

Dates: ***October 2007 - November 2011***

***James Madison Highway (Route 15 ) PPTA, Prince William County, VA Design-Build Project Manager***

Served in the role of Design-Build Project Manager for the design and construction of improvements to Route 15 in Prince William County. Project consisted of overall project management, roadway and bridge design, design/construction quality assurance and control, contract administration, planning and scheduling of all project activities, design coordination with 3rd party reviewers, ROW acquisitions, utility relocation activities, permitting acquisitions and environmental monitoring, development of quality assurance and quality control procedure and implementation for design and construction, supporting owner in the development and implementation of public awareness processes to provide local government, business and residents with information about the project along with continued interaction with parties to address questions or concerns during construction progress.

Experience With: ***Branch Highways, Inc.***

Dates: ***February 2007 - December 2009***

***Route 58 Meadows of Dan Bypass PPTA, VDOT***

***Design-Build Project Manager***

Design-Build Project Manager responsible for initial PPTA negotiation including analysis and pricing on this project. Authorized representative for contractor and PPTA Project Manager for overall project design, construction quality, management and contract administration, coordination and oversight for overall project planning and scheduling, design, ROW acquisitions, utility relocation activities, permitting and environmental monitoring, QA/QC procedures and implementation and construction management. Conducted public meetings to provide local government, businesses and residents with information about the project. Also responsible for subcontractor and vendor procurement, project tracking and reporting, and negotiations with Owner.

Experience With: ***Branch Highways, Inc.***

Dates: ***March 2004 - December 2005***

***I-64/Route 895 Connector at the Richmond International Airport***

***Project Manager***

Project Manager responsible for overall project management, including company's primary point of contact with the Owner and the Owner's Design Engineer. Duties included contract administration activities such as coordination with Owner and Design Engineer for constructability issues, coordination and tracking of EEO and DBE/MBE reporting requirements, oversight of grand plan development, development of project schedule, schedule updating and reporting, subcontractor and major material procurement including contractual paperwork, development of project QC plan, oversight and coordination of QC testing and reporting program, and construction oversight and submittals.

Experience With: ***Branch Highways, Inc.***

Dates: ***June 2007 - February 2009***

***Centrepoint Parkway, Stafford County, VA***

***Project Manager***

Authorized representative for contractor and overall project manager responsible for contract administration activities such as coordination with Owner and Design Engineer for constructability issues, coordination and tracking of EEO and DBE/MBE reporting requirements, oversight of grand plan development, development of project schedule, schedule updating and reporting, subcontractor and major material procurement including contractual paperwork, development of project QC plan, oversight and coordination of QC testing and reporting program and construction oversight and submittals. Also actively engaged the Owner regarding ongoing construction and specific project needs.

Experience With: ***Branch Highways, Inc.***

Dates: ***August 2004 - October 2005***



***James Madison Highway (Route 15) PPTA, Prince William County, VA (continued)***

The project was performed as a Design-Build Project under the Virginia PPTA Act of 1995.

***Company: Branch Highways, Inc.***

***February 2007 – December 2009***

***I-81 Christiansburg***

Responsible for overall construction site management along with the labor, equipment and material resource requirements for the grading portion of the project. Scheduled and coordinated subcontractors associated with the grading portion of the project. Assisted with the interviewing, selecting and training of foreman, crew leaders and supervisory personnel. Responsible for the development and updating of the project CPM schedule. This project consisted of interchange improvements to the I-81/Route 460 Christiansburg/Blacksburg exit which included 68 lane-miles of interstate and primary roadway improvements including two interchanges. Project also included 12 bridges, five MSE walls, soundwalls, several miles of various dimension drainage pipe, barrier wall with insert drainage structures and approximately 1.7 million cy of excavation.

***Company: Branch Highways, Inc.***

***March 1998 – June 2002***

***I-64 Low Moor (Alleghany County)***

Responsible for overall project management, including scheduling, planning, contract administration, budgeting, safety, quality control, materials' procurement, subcontract management, etc., on this safety and drainage improvements project. The project was over 5+ miles long, and had over 50 separate storm drainage lines crossings the full width of the interstate, most of which was constructed under live traffic. With open trenches crossing the interstate and its traffic conditions, the I-64 project clearly warranted the use of concrete construction barrier. But federal design guidelines narrowly excused the use of barrier from the MOT plans. At Branch's expense, implemented a 'rolling barrier configuration,' that separated traffic from our work zone and moved frequently when moving from pipe-crossing to pipe-crossing.

***Company: Branch Highways, Inc.***

***Jan 2010 -- August 2011***

***Centrepont Parkway (Stafford County)***

Responsible for specific project duties such as jobsite coordination, management of project quality control program, employee training and development and on-going project scheduling. Reviewed project CPM schedule and updated based on project progress to make decisions concerning inventory requirements, staffing requirements, work procedures, and duty assignments, considering budgetary limitations and time constraints. This \$6.9 million project consisted of construction of approximately 2-miles of a new two-lane roadway including erosion control, clearing, mass excavation, placement of base stone and asphalt pavement along with typical appurtenant roadway items of work.

***Company: Branch Highways, Inc.***

***August 2004 – October 2005***

***U.S. Route 220/I-581 from Elm Avenue to Franklin Ave. (Roanoke City)***

Personally responsible for multiple construction operations, but in particular, maintenance of traffic, on this high-profile, high volume, accelerated schedule project, intended to relieve traffic. This project is approximately three (3) miles from the Valley View project and had similar work items and project issues.

***Company: Branch Highways, Inc.***

***February 1995 – December 1995***

## ATTACHMENT 3.3.1

### KEY PERSONNEL RESUME FORM

Brief Resume of Key Personnel anticipated for the Project.	
a.	Name & Title: <b>Harold Plott, PE, Senior Manager, Project Management</b>
b.	Project Assignment: <b>Design Manager</b>
c.	Name of Firm with which you are now associated: <b>AECOM Technical Services, Inc.</b>
d.	Years experience: With this Firm <u>34</u> Years With Other Firms <u>5 1/2</u> Years Please list chronologically (most recent experience first) your employment history, position and general experience or fields of practice for the last fifteen (15) years. (NOTE: If you have less than 15 years of experience, please list all of your experience for those years you have worked.):  <b><i>HSM (AECOM)                      Project Manager/Senior Bridge Engineer/Structural Engineer                      1978-Present</i></b> Mr. Plott has over 39 years of progressive experience in the design, construction administration and project management of highway and railway bridges, mass transit facilities and parking structures. His experience in project management includes not only the single or dual discipline highway and/or railroad projects but also the multi-disciplines (and multi-office and/or multi-firm) of transit facilities and parking structure projects; i.e. management of architectural, structural, mechanical, electrical and civil disciplines.
e.	Education: Name & Location of Institution(s)/Degree(s)/Year/Specialization: <b>University of Virginia, Charlottesville, VA/ME/1977/Civil Engineering</b> <b>Virginia Military Institute, Lexington, VA/BS/1972/Civil Engineering</b>
f.	Active Registration: Year First Registered/ Discipline/VA Registration #: <b>1978/Professional Engineer/VA #010052</b>
g.	Document the extent and depth of your experience and qualifications relevant to the Project. <ol style="list-style-type: none"><li>1. <i>Note your specific responsibilities and authorities for each assignment, not those of the firm.</i></li><li>2. <i>Note whether experience is with current firm or with other firm.</i></li><li>3. <i>Provide beginning and end dates for each assignment.</i></li></ol> <b>(List at least three (3), but no more than five (5) relevant projects for which you have performed a similar function.)</b>  <b><i>VDOT, Interstate 81 Truck Climbing Lanes Design-Build, Rockbridge County, VA.</i></b> AECOM provided engineering services for this project to construct a new truck climbing lane, including replacement of three bridges in stages to maintain interstate traffic. All new structures were detailed without deck joints, incorporating semi-integral, full integral, and deck extension details. Services provided include bridge and retaining wall design, drainage design, stormwater management and roadway design for 7.1 miles of interstate. Mr. Plott served as Lead Structural Engineer / Deputy Design Manager and engineer of record for the two mainline I-81 bridges. <i>Role: Lead Structural Engineer/Deputy Design Manager; Dates: February 2009 - October 2012;                      Contact: Todd Stevens, VDOT, 540-332-9047</i>  <b><i>WMATA Blue Line Extension to Largo – Addison Route Stations and Parking Facilities (Design-Build), Largo, Maryland: For Washington Metropolitan Area Transit Authority (WMATA)</i></b> AECOM provided architectural and engineering services for this design-build project which included 2-600 foot transit system platforms, 2 parking structures totaling 2200 parking spaces and associated site work including parking lots, water lines, sanitary lines, storm sewers, pedestrian entrance plazas and extensive landscaping. <i>Role: Design Manager; Dates: October 2002 – March 2005; Contact: Mr. Philip J. Sheridan, Clark Construction, 301-272-8396</i>

**Multipurpose Range Complex – Heavy (MPRC-H), Ft. Pickett, Blackstone, VA.**

AECOM provided services for design and preparation plans, specifications and cost estimate for a two-lane Multipurpose Range Complex (MPRC); i.e. \$30 million firing range project. The range complex provides practice facilities for tanks, infantry fighting vehicles and infantry soldiers in moving, stationary and defilade positions. Services provided includes grading and drainage, geometric layout, erosion and sediment control, storm water management, environmental-wetlands, geotechnical, electrical and construction administration including full-time, on-site representative.

*Role:* Project Manager.; *Dates:* June 2004 - March 2007; *Contact:* CW2 Rick Thibeault, VA Army National Guard, 434-298-6210

**CSX National Gateway, Greenwich, OH to Chambersburg, PA (Phase 1).**

The design and construction administration of 10 mountain tunnels (i.e. Phase 1)of the CSX National Gateway Clearance Initiative. This is a CSX clearance improvement project to achieve a minimum of 21-feet of vertical clearance along CSX’s rail corridor so that double-stack intermodal railcars can be transported between Mid-Atlantic States and their ports to Midwest markets. Modifications at the mountain tunnel locations include daylighting (i.e. open cut), liner notching, total liner removal and replacement, or track realignment. AECOM services include grading and drainage, track alignment and profile, erosion and sediment control, permit acquisition, storm water management, structural, environmental, cost estimating, and project management.

*Role:* Task Manager (Assistant. Project Manager); *Dates:* May 2010 - February 2013; *Contact:* Mr. Michael Hoey, CSX, (215) 891-5520

**Timber Trestle Replacement on NS Bridge V-2.8 over Eastern Elizabeth River**

This project consisted of replacing approximately 1,100 feet of open deck, timber trestle approach spans with ballasted, single track, precast concrete spans on this critical crossing for Norfolk Southern. The client required a design concept that would rehabilitate the deteriorated structure while minimizing the disruption to the high-revenue rail traffic. All superstructure and substructure members were designed as precast concrete, allowing for fabrication off-site and fast installation. In addition to the bridge design services, the project also included environmental permitting, and electrical cable installation permitting and plans.

*Role:* Project Manager; *Dates:* October 2007 - October 2010; *Contact:* Mr. Jonathan Hocker, CSX, (404) 529-1362.

## ATTACHMENT 3.3.1

### KEY PERSONNEL RESUME FORM

Brief Resume of Key Personnel anticipated for the Project.		
<b>a.</b>	<b>Name &amp; Title: Steven A. Campbell, P.E., President and Production Manager</b>	
<b>b.</b>	<b>Project Assignment: Lead Structural Engineer</b>	
<b>c.</b>	<b>Name of Firm with which you are now associated: Mattern &amp; Craig, Inc.</b>	
<b>d.</b>	Years experience: With this Firm <u>23</u> Years With Other Firms <u>8</u> Years Please list chronologically (most recent experience first) your employment history, position and general experience or fields of practice for the last fifteen(15) years. (NOTE: If you have less than 15 years of experience, please list all of your experience for those years you have worked.):	
	<i><b>Mattern &amp; Craig</b></i>	<i><b>President/Production Manager/Head of Bridge Division</b></i>
		<i><b>1987 - Present</b></i>
	Mattern & Craig, Inc., 1987 – Present 1987-2007: Bridge Division Manager 2001-Present: Production Manager 2004-Present: President	
	Mr. Campbell, P.E. responsibilities as a bridge/ structural engineer included inspection, conceptual studies, planning, structural analysis and design, detailing, preliminary and final analysis, cost estimates, quality assurance, quality control, bidding assistance, and construction services. His responsibilities include verifying and modifying designs as necessary, based on field conditions and construction activities related to dismantling and removing portions of existing structures, installing foundation structures, handling and erecting bridge girders, and making superstructure and substructure repairs.	
	Mr. Campbell’s experience includes design, supervision, and project management for numerous projects involving the repair, rehabilitation, or replacement of existing bridges as well as the design of new bridge structures. Mr. Campbell was hired by Mattern & Craig in 1987 to start a bridge design division. Since that time, he has been responsible for providing bridge engineering services for over 200 bridge structures for numerous public and private clients including VDOT as well as numerous localities in Virginia, Tennessee, and North Carolina. His experience includes the design of bridge structures ranging from 10 feet to 600 feet in total length.	
	His experience includes design of bridges which involved widening, phased construction with complicated traffic control, unique foundation conditions, major structure replacements/modifications at existing interchanges requiring increased clearances combined with grade restrictions, existing bridge evaluation, and rehabilitation, all in urban settings. He has significant additional experience in the investigation, evaluation and repair of concrete decks and structures utilizing life cycle cost techniques. Mr. Campbell is experienced with computerized structural analysis and design of a wide variety of structures. His foundation design experience includes spread footing, pile supported footings, and drilled shafts. Additionally, Mr. Campbell is an NBIS certified bridge inspector, team leader, and program manager. His experience also includes investigation and NBIS inspection of over 2400 bridges, load rating analyses, and scour evaluations. His experience includes the design of shoring and jacking plans for bridge rehabilitation and repair projects.	
<b>e.</b>	<b>Education: Name &amp; Location of Institution(s)/Degree(s)/Year/Specialization:</b> <b>Virginia Polytechnic Institute (Va. Tech), Blacksburg, VA / M.E. / 1986 / Civil Engineering (Structures)</b> <b>Virginia Polytechnic Institute (Va. Tech), Blacksburg, VA / B.S. / 1979 / Civil Engineering</b>	
<b>f.</b>	<b>Active Registration: Year First Registered/Discipline/VA Registration #:</b> <b>1984 / Professional Engineer / Virginia 15251</b>	

- g. Document the extent and depth of your experience and qualifications relevant to the Project.
1. Note your specific responsibilities and authorities for each assignment, 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 assignment.

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

***I-581/Valley View Boulevard Interchange and Approach Roadways; Roanoke, VA***

Lead Structural Engineer for the new I-581 trumpet-style interchange project serving major retail/commercial development and regional airport. Project included one mile of 4-lane divided access roadway, separated pedestrian/bikeway facilities through the interchange and on the bridge, and traffic maintenance plans. Bridge was 2-span, 72.6 meters (240 feet) continuous steel plate girder with integral bikeway with cast-in-place substructure on steel H-piles and reinforced earth approach retaining walls. Project was funded by City of Roanoke and reviewed, approved, advertised, and constructed by VDOT and completed on fast-track, 18 month schedule for design and construction at a cost of \$6.3 million.

***Company: Mattern & Craig, Inc.***

***1998***

***VDOT Multiple Bridge Rehabilitation Project, Region 3, Design-Build, Culpeper, Northern Virginia and Staunton Districts***

Design and Project Manager for engineering services for design/build project with ICA, Inc. Projects include design of 22 bridge replacements and one phased deck replacement for the Senseny Road bridge over I-81. Responsibilities included coordinating with all individual design disciplines, ensuring the project design was completed in conformance with VDOT requirements, QA review of design, plans and specifications and constructability and coordination reviews with ICA and VDOT. Construction Cost \$7.9 million

***Company: Mattern & Craig, Inc.***

***2010 - 2011***

***Erickson Avenue / Stone Spring Road Connection, Harrisonburg, VA***

Lead Structural Engineer for bridge and retaining wall design as part of a new roadway construction project. Structure is 202 LF two-span continuous curved steel girder bridge over Black's Run and Norfolk Southern Railway with deck width of 90.67'. Bridge superstructure is jointless and uses a semi-integral deck extension design at the abutments. His responsibilities included coordination with other design disciplines, the City, VDOT, and NS Railroad and serving as bridge QA reviewer for design plans, specifications, and constructability. During preliminary design, subsurface testing revealed areas at each end of the bridge with deep (up to 250 feet) of saturated, very weak soils. Responsibilities included oversight and evaluation of numerous deep foundation and light weight fill alternatives. Solution included the use of light weight EPS (Geofoam) fill with tilt up retaining walls systems at each approach. Construction cost \$35 million.

***Company: Mattern & Craig, Inc.***

***2001 – present***

***Kemper Street Bridge and Interchange Rehabilitation; Lynchburg, VA***

Design and Project Manager for preparation of plans and specifications, detailed traffic control plans and construction sequencing for phased complete bridge replacement, and interchange modifications for Kemper St. over Rte. 29. Bridge work included superstructure replacement utilizing pre-stressed, precast concrete bulb tee girders made continuous for live load using a semi-integral deck extension. Responsibilities included coordination with individual design disciplines, overseeing the QA/QC program for design, plans, specifications, and constructability. Challenges included coordinating needed bridge replacement with shallow superstructure requirements with interchange modifications needed to improve substandard excel and decal lanes and cloverleaf radii. Project also required design of construction sequencing that allowed interchange to safely operate during phased construction. Construction Cost \$3.2 million.

***Company: Mattern & Craig, Inc.***

***2010 – 2011***

***Route 35 Bridge over I-95 Prince George County, VA***

Design and Project Manager for rehabilitation project for 4-span, 245-foot long, continuous steel girder bridge. Project included in-depth concrete investigation including testing and evaluation of existing structure to determine probable cause and extent of deterioration and to evaluate types of repairs needed. Tests performed included reinforcing steel depth, corrosion potential, corrosion rate, and chloride contents. Rehabilitation included phased superstructure replacement, raising structure, replacing existing girders, approach slabs, minor substructure repairs, waterproofing, and detailed maintenance of traffic plan for both Route 35 and I-95. Construction cost \$760,000

***Company: Mattern & Craig, Inc.***

***2002***

## ATTACHMENT 3.3.1

### KEY PERSONNEL RESUME FORM

Brief Resume of Key Personnel anticipated for the Project.
a. Name & Title: <b>Joseph R. Hamed, PE, LS, PMP, Project Manager / Quality Assurance Manager</b>
b. Project Assignment: <b>Quality Assurance Manager (QAM)</b>
c. Name of Firm with which you are now associated: <b>NXL Construction Company, Inc. (dba NXL Constructions Services, Inc.)</b>
d. Years experience: With this Firm <u>1</u> Years With Other Firms <u>21</u> Years Please list chronologically (most recent experience first) your employment history, position and general experience or fields of practice for the last fifteen (15) years. (NOTE: If you have less than 15 years of experience, please list all of your experience for those years you have worked.):  <i><b>NXL Construction Services, Inc. Project Manager/Quality Assurance Manager May 2011 to Present</b></i> Independent Quality Control Manager for joint Design-Build projects ensuring contract requirements and specifications are appropriately administered and applied, required quality control testing and independent quality assurance is carried out, contractor invoices are correct – all in accordance with the applicable VDOT standards/documents addressing construction, QC, QA, and IA. Ensures that the QA staff adequately trained and equipped for their scope of work. Documents non-conforming work and follows up with the Owner and Contactor to ensure that corrective action is proposed by the contractor, approved by the owner, and completed with quality.  <i><b>Virginia Dept. of Transportation Area Construction Engineer Jan. 2011 to May 2011</b></i> In this role, Mr. Hamed managed the delivery of the Salem District Southern Construction Area’s Construction Program. Mr. Hamed managed projects that include drainage, grading, placing, bridges, bridge superstructure/substructure restorations, signal, guardrail, pavement markings, utilities, etc. Key aspects of Mr. Hamed’s responsibilities included: identifying and communicating with stakeholders and encouraging team member to communicate, identifying the need for extra work, reviewing and negotiating work order prices, and providing Responsible Charge oversight to ensure that each project was construction in conformance with the plans, specifications and standards. He also provided VDOT oversight of a locally administered urban project.  <i><b>Virginia Dept. of Transportation Program Delivery Manager Oct. 2006 to Jan. 2011</b></i> In this role, Mr. Hamed provided oversight of all SW Regional Operations project delivery in all project phases, including planning, programming, project development and construction. He provided support for traffic signal projects, traditional traffic engineering projects, 2 mountain tunnel facilities (including fire, life and safety systems), and also provided support for technology projects including cameras, message boards, and FHWA Rule 940 Compliance. Mr. Hamed coordinated with SW Regional staff to identify and prioritize potential projects. In conjunction with Central Office and Regional staff from three Districts (Bristol, Lynchburg and Salem), Mr. Hamed identified funding sources for chosen projects, requested funding transfers, and initiated projects for within the system. He also provided oversight of the PE process to ensure that projects were developed in accordance with VDOT processes. He coordinated with other sections including Environmental, Right of Way, Location and Design, Scheduling and Contracts, Federal Highway Administration and Construction. Mr. Hamed provided responsible charge oversight for the Regional Signal Contract – Design and Construction - including approval of estimates, negotiating work orders, coordinating inspection, and claims avoidance.  <i><b>Virginia Dept. of Transportation Area Construction Engineer May 2005 to Oct. 2006</b></i> In this role, Mr. Hamed managed the delivery of the Salem District Northern Construction Area’s construction program. His team managed construction and maintenance projects, where their goal was to deliver each project on time and on budget, with quality in the constructed project. During his tenure in this position, Mr. Hamed managed projects that include drainage, grading, bridge construction, bridge superstructure/substructure restorations, signal, guardrail, pavement markings, utilities, etc. Key aspects of Mr. Hamed’s responsibilities included: identifying and communicating with stakeholders and encouraging team member to communicate, identifying the need for extra work, reviewing and negotiating work order prices, and providing Responsible Charge oversight to ensure that each project was constructed in

(Continued)

conformance with the plans, specifications and standards. Mr. Hamed also provided input to the Preliminary Engineering process by attending various meetings to address unique project specific problems. He was responsible for the project budget during the Construction Phase, monitored expenditures in SiteManager and FMS II, and compared them to the budgeted amounts on a monthly basis. Mr. Hamed managed a staff consisting of a Staff Assistant, Construction Project Managers, VDOT Inspectors, and Consultant Inspectors.

***Virginia Dept. of Transportation***

***Project Manager***

***Aug. 2004 to May 2005***

In this role, Mr. Hamed provided constructability, E&S and safety reviews for several projects in various phases including design and construction. He also provided project management and engineering analysis on a variety of projects, including the consultant design of the I-81 Lighting Project, Montgomery County, Virginia and the design and construction of the Stony Creek Emergency Contract, Giles, County, Virginia.

***HNTB Corporation***

***Quality Assurance Manager (PPTA Project)***

***March 2004 to July 2004***

In this role, Mr. Hamed's duties included: documenting progress, providing reports to various design/build stakeholders, including VDOT, the prime contractor (Branch Highways), and the design office of HNTB. Mr. Hamed performed E&S inspections, recommended E&S preventive measures, coordinated problems and permits with DEQ, Corps of Engineers, and VDOT, and also collected and forwarded data required by DEQ and Corps of Engineers, including pH, temperature, dissolved oxygen, etc. He documented that the work met the proper VDOT specifications and standards, and documented, logged, tracked and forwarded any nonconforming items. Mr. Hamed provided interpretation and clarification of plans and specifications by coordinating closely with the design engineer. He also provided engineering support and analysis for a wide range of problems with varying degrees of complexity, including undercut depths, drilled shaft modifications, and additional under drain requirements.

***Louis Berger Group, Inc.***

***Project Manager/Project Engineer***

***April 1999 to Jan. 2004***

In this role, Mr. Hamed's primary duty was to lead a team of consultant inspectors during the construction of the a \$40 million bypass highway with approximately 12 lane miles of new alignment and seven new bridges. He and his team documented that the project was constructed in accordance with the plans, specifications and the contract. He monitored the contractor's work with respect to schedule, cost and quality. Mr. Hamed was responsible for recommending solutions to problems, corrections for deficiencies encountered, acceptance or rejection of work, changes and extras. He was also responsible for preparation of monthly project progress reports for the Owner. Other project responsibilities included directing the daily activities of 10 project inspectors, all project administration, maintaining daily log and reports, reviewing and assessing alternate work methods, preparation of Contractor's monthly pay estimate, and monitoring workmanship, quality and safety.

***Vecellio and Grogan, Inc.***

***Project Engineer***

***July 1994 to April 1999***

In this role, Mr. Hamed supported field and office operations in a variety of assignments including: performed takeoffs, negotiated waste/borrow agreements, exploratory excavation and drilling, and other duties associated with estimating support. In the field he developed and managed an MS Access data base to record, track and report on production data. He also reviewed monthly estimates, ordered materials/parts, supported day-to-day blasting and hauling operations, monitored and repaired traffic controls, interfaced with project inspectors, submitted shop drawings, and prepared/updated CPM schedules.

e. Education: Name & Location of Institution(s)/Degree(s)/Year/Specialization:

**University of Idaho / BS / 1990 / Civil Engineering**

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

**2004/VA Professional Engineer / 039327**

**WV Professional Engineer / 012756**

**WV Professional Land Surveyor / 1574**

- g. Document the extent and depth of your experience and qualifications relevant to the Project.
1. Note your specific responsibilities and authorities for each assignment, 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 assignment.

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

***I-81 Safety Improvement Project (Truck Climbing Lanes), Montgomery County, VA      Quality Assurance Manager***

This \$75 million project consists of adding an additional lane onto I-81 through five miles of rugged terrain. The project scope includes drainage, grading, paving, demolition/reconstruction of two overpass bridges, phased demolition/construction of one mainline bridge, retaining walls, and related appurtenances. As the Quality Assurance Manager, Mr. Hamed provides QA Inspection and Testing for the CH2M Hill Construction team in accordance with VDOT's August 2008 Design Build Guidelines and the project's approved Quality Assurance and Quality Control Plan. Responsibilities included preparation, maintenance and submission of associated project documentation including diaries, EEO, materials notebook/documentation, as-built sketches, monthly pay documents including verifying and approving monthly pay packages, and preparation and submission of final records. Attends monthly progress meetings, documents non-conforming work, assures and documents that non-conforming work is addressed through approved methods of correction. Coordinates with the QC Manager, Construction Manager, Project Managers (CH2M Hill and VDOT) on a variety of issues related to quality, schedule, and payment.

Experience With: ***NXL Construction Services, Inc.***

Dates: ***May 2011 to Present (2013 anticipated)***

***Route 60/Main Street Bridge Replacement, Clifton Forge, VA***

***Quality Assurance Manager***

A unique bridge replacement project in that the bridge superstructure abuts commercial buildings on both sides requiring careful consideration of demolition, construction and maintaining public access to buildings. As the Quality Assurance Manager, Mr. Hamed was responsible for QA Inspection and Testing for the Orders Construction team. Services include performance of QA testing and inspection in accordance with VDOT's August 2008 Design Build Guidelines and the project's approved Quality Assurance and Quality Control Plan, the preparation, maintenance and submission of associated project documentation including but not limited to diaries, EEO, materials notebook/documentation, as-built sketches, monthly pay documents including verifying and approving monthly pay packages, and preparation and submission of final records. Attends monthly progress meetings, documents non-conforming work, assures and documents that non-conforming work is addressed through approved methods of correction. Coordinates with the QC Manager, Construction Manager, Project Managers (Orders and VDOT) on a variety of issues related to quality, schedule, and payment.

Experience With: ***NXL Construction Services, Inc.***

Dates: ***May 2011 to Present (2012 anticipated)***

***Region 3 Multiple Bridge Rehabilitation Project; Staunton, Culpeper & NOVA Districts      Quality Assurance Manager***

Regional VDOT/ARRA Design/Build Bridge Rehabilitation project comprised of 23 bridges located in three VDOT Districts with a duration of approximately 22 calendar months of construction-related activities requiring QA Inspection and Testing for the Infrastructure Corporation of America, Inc. (ICA) Team. Mr. Hamed serves as the project's Quality Assurance Manager. Services include performance of QA testing and inspection in accordance with VDOT's August 2008 Design Build Guidelines and the project's approved Quality Assurance and Quality Control Plan, the preparation, maintenance and submission of associated project documentation including but not limited to diaries, EEO, ARRA, materials notebook/documentation, as-built sketches, monthly pay documents including verifying and approving monthly pay packages, and preparation and submission of final records. Attends monthly progress meetings, documents non-conforming work, assures and documents that non-conforming work is addressed through approved methods of correction. Coordinate with the QC Manager, Construction Manager, Project Managers (ICA and VDOT), and Design Project Manager on a variety of issues related to quality, schedule, and payment.

Experience With: ***NXL Construction Services, Inc.***

Dates: ***May 2011 to Present (2012 anticipated)***

***US Route 460 Christiansburg Bypass, Montgomery County, VA***

***Consultant Project Manager***

This \$40 million project provided a 4-lane bypass with 12 lane-miles on new alignment, two new major interchanges connecting to urban streets, and renovation of the urban streets. The scope of the project included grading, drainage, 7 new bridges, paving, soundwalls, traffic signals, retaining walls, guardrail, utility relocation, railroad coordination, and appurtenances. Mr. Hamed managed a team of approximately 10 consultant inspectors to document that the project was constructed in accordance with plans, specifications, and applicable standards. He monitored the contractor's work with respect to schedule, cost and quality. Mr. Hamed was responsible for recommending solutions to problems, corrections for deficiencies encountered, acceptance or rejection of work, changes and extras. He was also responsible for preparation of monthly project progress reports for the Owner. Other project responsibilities included directing the daily activities of the project inspectors, project administration, maintaining daily log and reports, reviewing and assessing alternate work methods, preparation of Contractor's monthly pay estimate, and monitoring workmanship, quality and safety. Mr. Hamed coordinated with a host of stakeholders including the VDOT Christiansburg Residency, the Contractor Project Manager, Salem District Bridge Office, Salem District Traffic Engineering, Town of Christiansburg, Montgomery County, and utility owners.

Experience With: ***The Louis Berger Group***

Dates: ***May 1999 to January 2004***

**ATTACHMENT NO. 3.4.1(a)**  
**LEAD CONTRACTOR—WORK HISTORY FORM**  
**(LIMIT 1 PAGE PER PROJECT)**

**Work by Lead Contractor—three (3) projects which best illustrate current qualifications relevant to this Project.**

a. Project Name & Location	b. Narrative describing nature of Firm's Responsibilities	c. Client/Owner/Project Manager who can verify Firm's responsibilities. Include address and current phone number.	d. Contract Completion Date (Original)	e. Contract Completion Date (Actual or Estimated)	f. Estimated Value (in Thousands)		
					Original Contract Value	Final or Estimated Contract Value	Dollar Value of Work for Which Firm Was/Is Responsible
(2) <b>Route 58 PPTA Corridor Improvements</b> <i>Meadows of Dan and Hillsville, VA</i>	<i>Please see detailed narrative below.</i>	<b>VDOT</b> P.O. Box 3071 Salem, VA 24153  <b>Mr. Robert Williams</b> Phone: 540.387.5345	<b>Phase 1:</b> <b>December 2005</b>  <b>Phase 2:</b> <b>November 2011</b>	<b>Phase 1:</b> <b>December 2005</b>  <b>Phase 2:</b> <b>November 2011</b>	<b>Phase 1:</b> <b>\$19,972</b>  <b>Phase 2:</b> <b>\$83,000</b>	<b>Phase 1:</b> <b>\$19,972</b>  <b>Phase 2:</b> <b>\$83,195</b>	<b>Phase 1: \$19,972</b>  <b>Phase 2: \$83,195</b>

b. Narrative describing nature of Firm's Responsibilities

**PROJECT DELIVERY METHOD:** Design-Build (PPTA)

**LEAD DESIGNER:** HNTB Corporation

**PROJECT DESCRIPTION:** Branch Highways is the Design-Build Contractor providing design, construction, right of way acquisition, utility relocation, permitting and wetlands/environmental mitigation for the development, design and construction of the Route 58 Corridor from Hillsville to Stuart. Mike Higgins is the DBPM for this project. To date, it has been one of the most successful PPTA project VDOT has ever undertaken, with no delays, no contractor initiated cost changes, and no major quality or safety failures. The project has relevant similarities to the Valley View project under consideration: Accommodating communities and businesses whose main access point(s) will be affected by roadway and interchange improvements construction; addressing concerns of surrounding communities and businesses; maximizing stream and wetland mitigation needs throughout the life of the project; temporarily and significantly altering traffic configurations of the main thoroughfare of a hub community. The sheer size of this project requires our organization to adapt and integrate ourselves into our many partners' organizations, including VDOT's. We have cooperated with local contractors, elected and public officials, property owners, and other agencies, to address many challenges, such as the Hillsville Flea Market events, concerns about the use of local contractors, and analyzing the economic benefits of the project for the local community.



Evidence of Branch's complementary skills is our demonstrated willingness to engage other contractors for construction of work which we normally reserve for ourselves. On the Hillsville section, Branch subcontracted its traditional scope of work, the major earthwork, to another major earthwork contractor, because we thought their skill set was better suited for the work. Similarly, on the Meadows of Dan section, Branch subcontracted out another major portion of its traditional scope, storm drainage, to another contractor.

▪ **Phase 1: Blue Ridge Parkway Crossing at Meadows of Dan (Department Project 0058-070-E02):** Modifications to approximately three miles of Route 58 near the Blue Ridge Parkway. This Phase was completed ahead of schedule and on budget (zero change requests/orders).

▪ **Phase 2: Hillsville Bypass (Department Project 0058-017-E13):** Construction of the four-lane Hillsville Bypass, approximately 5.2 miles long, no contractor initiated change orders. Completed ahead of schedule in the late summer of 2011.

▪ **LESSONS LEARNED, GOOD PERFORMANCE MEASURES AND SUCCESSFUL PARTNERING:**

- Successful Contractor/Designer teaming partnership provides team camaraderie and improved performance.
- Establishing a primary point of contact between team members to ensure accurate and timely responses.
- Weekly meetings with Branch and all subs on the project site during construction to discuss issues and prevent unexpected delays, misunderstandings and create less room for errors.
- All subconsultants have a proper QA/QC plan that fits into the overall project QA/QC plan.
- Yearly scheduled Lesson-Learned sessions with key personnel to evaluate performance.



- Electronic (paperless) plan submissions.
- Designer incentives for cost-saving and/or time-saving design changes.
- Change Orders: (1) Change in federal environmental requirements led to the trapping of instead of surveying for bog turtles after bog turtles were identified as being physically present.

**ATTACHMENT NO. 3.4.1(a)**  
**LEAD CONTRACTOR—WORK HISTORY FORM**

**Work by Lead Contractor—three (3) projects which best illustrate current qualifications relevant to this Project.**

a. Project Name & Location	b. Narrative describing nature of Firm's Responsibilities	c. Client/Owner/Project Manager who can verify Firm's responsibilities. Include address and current phone number.	d. Contract Completion Date (Original)	e. Contract Completion Date (Actual or Estimated)	f. Estimated Value (in Thousands)			
					Original Contract Value	Final or Estimated Contract Value	Dollar Value of Work for Which Firm Was/Is Responsible	
(2) <b>James Madison Highway (Route 15) PPTA Design-Build</b> <i>Prince William County, VA</i>	<i>Please see detailed narrative below.</i>	<b>Prince William County Dept. of Transportation</b> 5 County Complex Court Prince William, VA 22192	<b>Mr. Tom Blaser</b> Phone: 703.792.6825	<b>December 2009</b>	<b>December 2009 (estimated)</b>	<b>\$52,139</b>	<b>\$54,126 (estimated)</b>	<b>\$54,126 (estimated)</b>

**b. Narrative describing nature of Firm's Responsibilities**

**PROJECT DELIVERY METHOD:** Design-Build (PPTA)  
**LEAD DESIGNER:** Rinker Design Associates, P.C.  
**PROJECT DESCRIPTION:** Branch Highways was the Design-Build Contractor providing design, construction, right of way acquisition, utility relocation for Route 15 (James Madison Highway) Improvements under the authority of the Virginia Public-Private Transportation Act of 1995 for Prince William County. The Route 15 project possessed several relevant similarities to the Valley View project which demonstrate Branch's qualifications to serve as the lead contractor for the project: a series of environmental permits and mitigation actions for streams and wetlands, much of which was overseen by Greg Suttle of Branch; extremely heavy rush hour traffic conditions and heavy traffic throughout the day; a vocal community whose concerns had to be heard; and maintaining and connecting several community walkways throughout the life of the project. The Project consisted of improvements to Route 15 beginning north of the I-66 interchange and extending to the existing four-lane section by the Dominion Valley Subdivision, and then starting at the intersection of Dominion Valley Drive/Graduation Drive and extending north beyond the intersection with Sudley Road/Route 234. The Project also consisted of improvements to portions of Waterfall Road, Sudley Road (Route 234), Shelter Land and Old Carolina Road along with a new section of Heathcote Boulevard between Old Carolina Road and Route 15. The project included nearly 22 lane-miles of construction along with five new bridge structures and a major box culvert.

- LESSONS LEARNED, GOOD PERFORMANCE MEASURES AND SUCCESSFUL PARTNERING:**
- Yearly scheduled Lesson-Learned sessions with key personnel to evaluate performance.
  - Implementation of document control software.
  - Subcontractor involvement in the design process through constructability reviews.



**ATTACHMENT NO. 3.4.1(a)**  
**LEAD CONTRACTOR—WORK HISTORY FORM**  
**(LIMIT 1 PAGE PER PROJECT)**

Work by Lead Contractor—three (3) projects which best illustrate current qualifications relevant to this Project.								
a. Project Name & Location	b. Narrative describing nature of Firm's Responsibilities	c. Client/Owner/Project Manager who can verify Firm's responsibilities. Include address and current phone number.		d. Contract Completion Date (Original)	e. Contract Completion Date (Actual or Estimated)	f. Estimated Value (in Thousands)		
						Original Contract Value	Final or Estimated Contract Value	Dollar Value of Work for Which Firm Was/Is Responsible
(3) <b>Route 460 Interchange - Christiansburg</b> <i>Montgomery County, VA</i>	<i>Please see detailed narrative below.</i>	<b>VDOT, Christiansburg Residency</b> 105 Cambria Street, NW Christiansburg, VA	<b>Mr. David Clark</b> Phone: 540.381.7190	<b>December 2001</b>	<b>June 25, 2002</b>	<b>\$41,570</b>	<b>\$55,115</b>	<b>\$55,115</b>

b. Narrative describing nature of Firm's Responsibilities

**PROJECT DELIVERY METHOD:** Prime Contractor (Bid-Build)

**LEAD DESIGNER:** Virginia Department of Transportation

**PROJECT DESCRIPTION:** Greg Suttle managed all non-bridge construction processes on this highly complex project (68 lane miles, including 2 major interchanges at Exit 118 on I-81). Although significantly larger than the Valley View project, this project featured some of the same risks: Maintenance of traffic (MOT) under very heavy interstate and local traffic conditions; modifying an existing interstate interchange under live traffic; and accommodating vocal, activist, adjacent businesses and communities. The project integrated interstate, primary, and secondary roadways. Major items of work included excavation (approximately 1.7 million cubic yards), sound barrier wall (approximately 300,000 square feet), twelve (12) bridge structures, thirty-four (34) overhead signs, steel piping (approximately 84,480 linear feet) and bifurcated/non-bifurcated barrier wall (approximately 28,000 linear feet) including inset drainage structures.

The project consisted of many sequencing and coordination issues which were addressed with good planning and execution of our work that included 19 separate traffic lane changes, added truck climbing lanes, a specification change to FHWA 350 safety standards and the congested traffic within the area as a result of many Virginia Tech events. Due to the geological conditions and formations (which are similar to those found in Roanoke) several sink holes were discovered. To minimize the public's and VDOT's risks associated with these sinkholes, these sinkholes were remediated immediately.

These challenges, along with continually changing scope issues, placed an enormous emphasis on Owner/Contractor cooperation and communication at all levels of both organizations. As a result of the ongoing partnerships formed, and despite the added challenges and associated \$13 million in contract changes and quantity overruns, the Project completed on time and now functions as a vital link in the area.

**LESSONS LEARNED, GOOD PERFORMANCE MEASURES AND SUCCESSFUL PARTNERING:**

- Development of project management information system.
- Crew level involvement in planning.
- Initiation of End of Shift Meetings.
- Mitigated risks of multiple lane closures through effective communication to both VDOT and the traveling public.



**ATTACHMENT NO. 3.4.1(b)**  
**LEAD DESIGNER—WORK HISTORY FORM**  
**(LIMIT 1 PAGE PER PROJECT)**



**Work by Lead Designer—three (3) projects which best illustrate current qualifications relevant to this Project.**

a. Project Name & Location	b. Narrative describing nature of Firm's Responsibilities	c. Client/Owner/Project Manager who can verify Firm's responsibilities. Include address and current phone number.	d. Contract Completion Date (Original)	e. Contract Completion Date (Actual or Estimated)	f. Estimated Value (in Thousands)			
					Original Contract Value	Final or Estimated Contract Value	Dollar Value of Work for Which Firm Was/Is Responsible	
<b>(3) I-81 Truck Climbing Lanes Design-Build</b> <i>Rockbridge County, VA</i>	<i>Please see detailed narrative below.</i>	<b>VDOT,</b> 1401 E. Broad Street Richmond, VA 23219	<b>Mr. Wayne Nolde, PE</b> Phone: 540.332.9047	<b>2012</b>	<b>2012</b>	<b>\$75,000</b>	<b>\$75,000</b>	<b>\$75,000</b>

**b. Narrative describing nature of Firm's Responsibilities**

AECOM provided design services for the I-81 Truck Climbing Lane Design-Build project in Rockbridge County, VA. AECOM provided roadway design, bridge design, and drainage design, which included plans for storm sewer systems, erosion and sediment control, temporary drainage, and stormwater management for the northbound 7.1 miles of highway. The overall project included construction of the truck climbing lane, replacement of three bridges, improvement of existing I-81 northbound left and right shoulders, upgrading all guardrails, guardrail transitions and end treatments to meet current standards, and the retaining wall required for bridge structures.

Drainage ditches and flumes were designed to accommodate tall cut and fill slopes. Extensive storm sewer systems were designed to convey roadway runoff to stormwater management facilities. A tall fill slope was steepened and a stormwater management facility was moved so that wetlands and jurisdictional waters were avoided.



**ATTACHMENT NO. 3.4.1(b)**  
**LEAD DESIGNER—WORK HISTORY FORM**  
**(LIMIT 1 PAGE PER PROJECT)**



**Work by Lead Designer—three (3) projects which best illustrate current qualifications relevant to this Project.**

a. Project Name & Location	b. Narrative describing nature of Firm's Responsibilities	c. Client/Owner/Project Manager who can verify Firm's responsibilities. Include address and current phone number.	d. Contract Completion Date (Original)	e. Contract Completion Date (Actual or Estimated)	f. Estimated Value (in Thousands)			
					Original Contract Value	Final or Estimated Contract Value	Dollar Value of Work for Which Firm Was/Is Responsible	
(3) <b>North Gayton Road Extension Design-Build</b> <i>Henrico County, VA</i>	<i>Please see detailed narrative below.</i>	<b>Henrico County,</b> PO Box 90755 Henrico, VA 23273	<b>Mr. Rob Tieman, PE</b> Phone: 804.501.5985	<b>2012</b>	<b>2012</b>	<b>\$38,000</b>	<b>\$38,000</b>	<b>\$38,000</b>

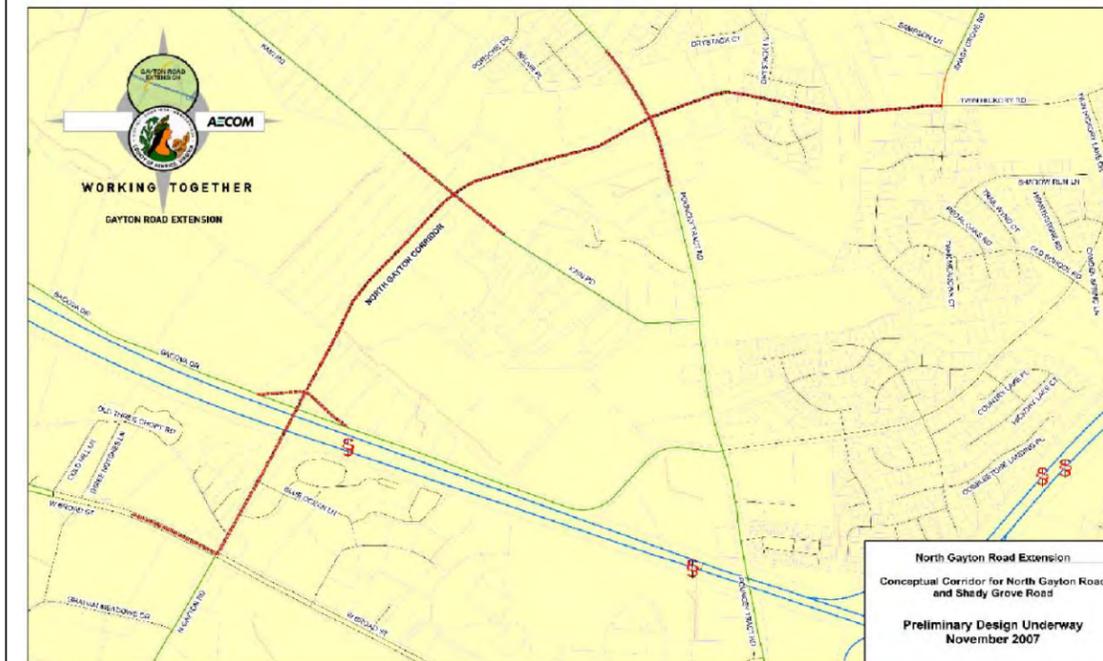
**b. Narrative describing nature of Firm's Responsibilities**

**Project Challenges:** This PPTA project is on an accelerated schedule. Design began in October 2007. Construction, including all Right-of-Way acquisition, utility relocation, and environmental permitting is expected to be completed by April 2012. Midway through the project, the US Army Corps of Engineers modified its requirements for Permit application, requiring the Team to move from a General Permit to an Individual Permit.

**Community Involvement:** The Team prepared for the County's use all presentation boards and Powerpoint® presentations for two Citizen's Information Meetings and one Public Hearing. AECOM also assisted the Client in responding to questions received as part of the Public Participation process.

**Project Description:**

As part of a PPTA agreement with W.C. English, Inc, AECOM is coordinating a multi-discipline in-house design team, subconsultants, and vendors to provide design services, complete Right-of-Way services and Construction Engineering and Inspection Services for this 2.2-mile major collector facility. Engineering tasks include roadway, traffic, signalization, bridge, geotechnical, water resources, and water/sewer design as well as environmental permitting, and utility relocation coordination. Subconsultant services include field traffic services, ground and aerial survey, underground utility location, environmental and cultural resources support, traffic engineering support, structure design support, geotechnical drilling and laboratory services, and public involvement support with the County.



The roadway typical section varies from four to six lanes with a 14-foot median and transitions through two major intersections requiring extensive redesign of signalization, and three minor intersections. The alignment begins at West Broad Street just west of Short Pump Mall, proceeds north crossing I-64, then turns to the northwest, traversing undeveloped property to an intersection with Pouncey Tract Road and Shady Grove Road. As part of this project, a segment of Shady Grove Road from Pouncey Tract Road to Twin Hickory Road will be upgraded from a two-lane facility to a four-lane facility with a median. Approximately 73 parcels will be affected, including 6 family relocations.

Structures work includes design of a two-span continuous hybrid plate girder bridge, multiple MSE walls, and two precast arch structures. Environmental work included wetlands delineation, cultural resources survey, HAZMAT survey, and Joint Permit Application. Water resources work included enclosed storm sewer design, open channel drainage design, H&HA for arch structures at the Tributary to Little Tuckahoe Creek, detailed and complex E&S Control plan, and adequate outfall at numerous locations.

Monthly schedule maintenance/support is tracked using Primavera® and regular coordination meetings with client and county are performed. AECOM coordinated and prepared all presentation materials for two Citizen Information Meetings and the public hearing, including preparation of Powerpoint® presentations.

**ATTACHMENT NO. 3.4.1(b)**  
**LEAD DESIGNER—WORK HISTORY FORM**  
**(LIMIT 1 PAGE PER PROJECT)**



**Work by Lead Designer—three (3) projects which best illustrate current qualifications relevant to this Project.**

a. Project Name & Location	b. Narrative describing nature of Firm's Responsibilities	c. Client/Owner/Project Manager who can verify Firm's responsibilities. Include address and current phone number.	d. Contract Completion Date (Original)	e. Contract Completion Date (Actual or Estimated)	f. Estimated Value (in Thousands)			
					Original Contract Value	Final or Estimated Contract Value	Dollar Value of Work for Which Firm Was/Is Responsible	
<b>(3) Multiple Bridge Rehabilitation Design-Build, Region 4</b>  <i>VDOT Richmond &amp; Fredericksburg Districts, VA</i>	<i>Please see detailed narrative below.</i>	<b>VDOT,</b> 1401 E. Broad Street Richmond, VA 23219  <b>Bryant Contracting, Inc.</b> 7754 Richmond Road Toano, VA 23168	<b>Mr. Mark Klagues</b> Phone: 804.524.6143  <b>Mr. Doug Jackson</b> Phone: 757.566.0400	<b>2011</b>	<b>2011</b>	<b>\$7,500</b>	<b>\$7,500</b>	<b>\$450 (fee)</b>

b. Narrative describing nature of Firm's Responsibilities

AECOM provided engineering services for this VDOT Design-Build project to rehabilitate 10 bridges in the Richmond and Fredericksburg Districts. These projects involve replacement of steel and concrete superstructures using staged construction details to maintain traffic throughout the project, as well as repair of concrete substructure units and improvement of existing approach roadways. Services provided include bridge design based on AASHTO LRFD specifications, bridge and roadway construction plans, maintenance of traffic plans, load rating analysis using VIRTIS software, coordination with VDOT for plan review, and construction phase support.



## SCC Registrations

Company	SCC Registration	Type of Corporation	Status
Branch Highways, Inc.	0295618-3	Corporation	Active - Good Standing
AECOM Technical Services, Inc.	F107850-2	Corporation	Active - Good Standing
Mattern and Craig, Inc.	0231378-1	Corporation	Active - Good Standing
Allegheny Construction Co., Inc.	0095573-2	Corporation	Active - Good Standing
NXL Construction Co., Inc.	0349742-7	Corporation	Active - Good Standing
EEE Consulting, Inc.	0504941-6	Corporation	Active - Good Standing
McDonough Bolyard Peck, Inc.	0351800-8	Corporation	Active - Good Standing
Schnabel Engineering Consultants, Inc.	0712674-1	Corporation	Active - Good Standing

## DPOR Registrations - Each Office

Company	Office	Registration Type	DPOR Registration	Expiration Date
Branch Highways, Inc.	Roanoke, VA	Class A Contractor	2701029434	3-31-2013
AECOM Technical Services, Inc.	Roanoke, VA	Engineering	0411000681	2-29-2012
AECOM Technical Services, Inc.	Glen Allen, VA	Engineering	0407003153	12-31-2011
AECOM Technical Services, Inc.	Virginia Beach, VA	Engineering	0411000679	2-29-2012
AECOM Technical Services, Inc.	Arlington, VA	Engineering	0411000776	2-29-2012
Mattern & Craig, Inc.	Roanoke, VA	Engineering	0407003038	12-31-2011
Allegheny Construction Co.	Roanoke, VA	Class A Contractor	2701006768	1-31-2013
NXL Construction Co., Inc.	Harrisonburg, VA	Engineering	0411-000678	2-29-2012
NXL Construction Co., Inc.	Richmond, VA	Engineering	0407-003031	12-31-2011
EEE Consulting, Inc.	Blacksburg, VA	Engineering	0411000435	2-29-2012
EEE Consulting, Inc.	Mechanicsville, VA	Engineering	0407003798	12-31-2011
McDonough Bolyard Peck, Inc.	Roanoke, VA	Engineering	0411000605	2-29-2012
Schnabel Engineering Consultants, Inc.	Blacksburg, VA	Engineering	0411000697	2-29-2012
Schnabel Engineering Consultants, Inc.	Richmond, VA	Engineering	0411000700	2-29-2012

## DPOR Registrations - Key Personnel

Firm	Key Personnel	Role	DPOR Registration	Expiration Date
AECOM Technical Services, Inc.	Harold Plott, PE	Design Manager	0402-010052	08-31-2013
NXL Construction Co., Inc.	Joseph Hamed	Quality Assurance Manager	0402-039327	2-29-2012
Mattern & Craig	Steven Campbell, PE	Lead Structural Engineer	0402-015251	2-28-2013



[SCC eFile](#) > [My Services](#) > [Entity Search](#) > Entity Details

- SCC eFile
- SCC eFile Home Page
- Business Entity Search
- Certificate Verification
- Log In
- FAQs
- Give Us Feedback
- Business Entities**
- UCC or Tax Liens**
- Court Services**
- Additional Services**

## BRANCH HIGHWAYS, INC.

SCC ID: 02956183

Business Entity Type: Corporation

Jurisdiction of Formation: VA

Date of Formation/Registration: 11/25/1986

Status: Active

Shares Authorized: 5000

### Principal Office

P O BOX 40004  
442 RUTHERFORD AVE NE  
ROANOKE VA 24016

### Registered Agent/Registered Office

MELANIE F WHEELER  
442 RUTHERFORD AVE NE  
  
ROANOKE VA 24016  
ROANOKE CITY 217  
Status: Active  
Effective Date: 1/11/2008



Commonwealth of Virginia  
**State Corporation Commission**

[Business Entities/UCC](#) | [Financial Institutions](#) | [Insurance](#) | [Securities/Retail Franchising](#) | [Utility Regulation](#)

[SCC eFile](#) > [My Services](#) > [Entity Search](#) > Entity Details

**SCC eFile**

- SCC eFile Home Page
- Business Entity Search
- Certificate Verification
- Log In
- FAQs
- Give Us Feedback

**Business Entities**

**UCC or Tax Liens**

**Court Services**

**Additional Services**

**AECOM Technical Services, Inc.**

SCC ID: F1078502  
Business 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 CA 90071

**Registered Agent/Registered Office**

CT CORPORATION SYSTEM  
4701 COX RD STE 301

GLEN ALLEN VA 23060-6802  
HENRICO COUNTY 143  
Status: Active  
Effective Date: 1/5/2004



Commonwealth of Virginia  
**State Corporation Commission**

[Business Entities/UCC](#) | [Financial Institutions](#) | [Insurance](#) | [Securities/Retail Franchising](#) | [Utility Regulation](#)

[SCC eFile](#) > [My Services](#) > [Entity Search](#) > Entity Details

- SCC eFile**
- [SCC eFile Home Page](#)
  - [Business Entity Search](#)
  - [Certificate Verification](#)
  - [Log In](#)
  - [FAQs](#)
  - [Give Us Feedback](#)
- Business Entities**
- UCC or Tax Liens**
- Court Services**
- Additional Services**

**MATTERN & CRAIG, INC.**

SCC ID: 02313781  
 Business Entity Type: Corporation  
 Jurisdiction of Formation: VA  
 Date of Formation/Registration: 7/1/1982  
 Status: Active  
 Shares Authorized: 10000

**Principal Office**

701 FIRST ST SW  
 ROANOKE VA 24016

**Registered Agent/Registered Office**

STEVEN A CAMPBELL  
 701 FIRST ST SW  
 ROANOKE VA 24016  
 ROANOKE CITY 217  
 Status: Active  
 Effective Date: 7/25/2005



[SCC eFile](#) > [My Services](#) > [Entity Search](#) > Entity Details

SCC eFile
<a href="#">SCC eFile Home Page</a>
<a href="#">Business Entity Search</a>
<a href="#">Certificate Verification</a>
<a href="#">Log In</a>
<a href="#">FAQs</a>
<a href="#">Give Us Feedback</a>
<b>Business Entities</b>
<b>UCC or Tax Liens</b>
<b>Court Services</b>
<b>Additional Services</b>

## ALLEGHENY CONSTRUCTION COMPANY, INC.

SCC ID: 00955732

Business Entity Type: Corporation

Jurisdiction of Formation: VA

Date of Formation/Registration: 1/16/1963

Status: Active

Shares Authorized: 1000

### Principal Office

2830 NICHOLAS AVENUE NE

ROANOKE VA 24012

### Registered Agent/Registered Office

J. RUDY AUSTIN

10 FRANKLIN RD., NE

P. O. BOX 40013

ROANOKE VA 24038-13

ROANOKE CITY 217

Status: Active

Effective Date: 5/29/1996



Commonwealth of Virginia  
**State Corporation Commission**

Business Entities/UCC   Financial Institutions   Insurance   Securities/Retail Franchising   Utility Regulation

[SCC eFile](#) > [My Services](#) > [Entity Search](#) > Entity Details

**SCC eFile**

- SCC eFile Home Page
- Log In
- FAQs
- Give Us Feedback

**Business Entities**

**UCC or Tax Liens**

**Court Services**

**Additional Services**

**NXL Construction Co., Inc.**

SCC ID: 03497427  
 Business 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 VA 23219

**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



[SCC eFile](#) > [My Services](#) > [Entity Search](#) > Entity Details

**SCC eFile**

- SCC eFile Home Page
- Business Entity Search
- Certificate Verification
- Log In
- FAQs
- Give Us Feedback

**Business Entities**

**UCC or Tax Liens**

**Court Services**

**Additional Services**

### EEE Consulting, Inc.

SCC ID: 05049416  
 Business Entity Type: Corporation  
 Jurisdiction of Formation: VA  
 Date of Formation/Registration: 6/23/1998  
 Status: Active  
 Shares Authorized: 5000

**Principal Office**

8525 BELL CREEK RD  
  
 MECHANICSVILLE VA 23116

**Registered Agent/Registered Office**

DONALD E KING  
 ONE JAMES CENTER/901 E CARY ST  
  
 RICHMOND VA 23219  
 RICHMOND CITY 216  
 Status: Active  
 Effective Date: 7/21/2009



Commonwealth of Virginia  
**State Corporation Commission**

Business Entities/UCC   Financial Institutions   Insurance   Securities/Retail Franchising   Utility Regulation   Util

[SCC eFile](#) > [My Services](#) > [Entity Search](#) > Entity Details

- SCC eFile**
- SCC eFile Home Page
  - Business Entity Search
  - Certificate Verification
  - Log In
  - FAQs
  - Give Us Feedback
- Business Entities**
- UCC or Tax Liens**
- Court Services**
- Additional Services**

**McDonough Bolyard Peck, Inc.**

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

**Principal Office**

3040 WILLIAMS DR  
 SUITE 300  
 FAIRFAX VA 22031

**Registered Agent/Registered Office**

REES BROOME, PC  
 8133 LEESBURG PIKE, NINTH FLOOR  
 VIENNA VA 22182-1911  
 FAIRFAX COUNTY 129  
 Status: Active  
 Effective Date: 10/26/2010



[SCC eFile](#) > [My Services](#) > [Entity Search](#) > Entity Details

- SCC eFile**
- SCC eFile Home Page
- Log In
- FAQs
- Give Us Feedback
- Business Entities**
- UCC or Tax Liens**
- Court Services**
- Additional Services**

## Schnabel Engineering Consultants, Inc.

SCC ID: 07126741  
 Business Entity Type: Corporation  
 Jurisdiction of Formation: VA  
 Date of Formation/Registration: 8/12/2009  
 Status: Active  
 Shares Authorized: 10000

### Principal Office

1054 TECHNOLOGY PARK DR  
 GLEN ALLEN VA 23059

### Registered Agent/Registered Office

JANET S. THOMAS, ESQUIRE  
 2100 EAST CARY STREET  
 RICHMOND VA 23223  
 RICHMOND CITY 216  
 Status: Active  
 Effective Date: 7/2/2010

**DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION  
COMMONWEALTH OF VIRGINIA**  
9960 Mayland Dr., Suite 400, Richmond, VA 23293  
Telephone: (804) 367-8500

**EXPIRES ON  
03-31-2013**

**NUMBER  
2701 029434A**

**BOARD FOR CONTRACTORS  
CLASS A CONTRACTORS LICENSE**  
**BRANCH HIGHWAYS INC**  
**PO BOX 40004  
ROANOKE VA 24022 0004**



*Gordon N. Dixon*  
Gordon N. Dixon, Director

**\*CLASSIFICATIONS\* SDS H/H**

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

**DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION**  
**COMMONWEALTH OF VIRGINIA**  
9960 Mayland Dr., Suite 400, Richmond, VA 23233  
Telephone: (804) 367-6500

**EXPIRES ON**  
02-29-2012

**NUMBER**  
0411000681

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

**PROFESSIONS: LS, ENG**

**AECOM TECHNICAL SERVICES INC**  
1315 FRANKLIN ROAD, SW  
ROANOKE, VA 24016



*Gordon N. Dukes*  
Gordon N. Dukes, Director

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

**DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION**  
**COMMONWEALTH OF VIRGINIA**  
9960 Mayland Dr., Suite 400, Richmond, VA 23233  
Telephone: (804) 367-6500

**EXPIRES ON**  
12-31-2011

**NUMBER**  
0407003153

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

**PROFESSIONS: ENG**

**AECOM TECHNICAL SERVICES INC**  
4940 COX RD  
GLEN ALLEN, VA 23060



*James W. D. Bates*  
James W. D. Bates, Director

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

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

**EXPIRES ON**  
02-29-2012

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

**NUMBER**  
0411000679

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

**PROFESSIONS: ARC, ENG, CID**

**AECOM TECHNICAL SERVICES INC**  
448 VIKING DRIVE SUITE 145  
VIRGINIA BEACH, VA 23452



*James W. D. Batts*  
TD W. B. Batts, Director

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

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

**EXPIRES ON**  
02-29-2012

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

**NUMBER**  
0411000776

**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**  
2101 WILSON BLVD. 8TH FLOOR  
ARLINGTON, VA 22201



*Gordon N. Dixon*  
Gordon N. Dixon, Director

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

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

9960 Mayland Dr., Suite 400, Richmond, VA 23233  
Telephone: 1 (804) 367-8500

EXPIRES ON 12-31-2011	NUMBER 0407003038
--------------------------	----------------------

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

**PROFESSIONS: LS, ENG**

**MATTERN & CRAIG, INC.  
701 FIRST STREET SW  
ROANOKE, VA 24016**

  
  
J. W. DeEver Director

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

**DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION**  
**COMMONWEALTH OF VIRGINIA**  
9960 Mayland Dr., Suite 400, Richmond, VA 23233  
Telephone: (804) 367-8500

**EXPIRES ON**  
**01-31-2013**

**NUMBER**  
**2701 006768A**

**BOARD FOR CONTRACTORS**  
**CLASS A CONTRACTORS LICENSE**  
**ALLEGHENY CONSTRUCTION CO INC**  
**2830 NICHOLAS AVE**  
**ROANOKE VA 24012**



*Gregory N. Dilson*  
Gregory N. Dilson, Director

**\*CLASSIFICATIONS\* H/H BLD BEC**

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

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

9960 Meyland Dr., Suite 400, Richmond, VA 23233  
Telephone: 1 (804) 367-8500

EXPIRES ON  
**12-31-2011**

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**




ALTOUGH OF THIS DOCUMENT, USE AFTER CERTIFICATION CHANGE BY PERSONS DEVIATES OTHER THAN THOSE NAMED MAY RESULT IN CRIMINAL PROSECUTION UNDER THE CODE OF VIRGINIA.

<b>APELSCIDLA Business License</b>	
<b>BUSINESS NAME:</b>	NXL CONSTRUCTION CO INC
<b>TRADING NAME:</b>	NXL CONSTRUCTION SERVICES INC.
<b>ADDRESS:</b>	2870-C SOUTH MAIN ST. HARRISONBURG, VA 22801-0000
<b>BUSINESS TYPE:</b>	BUS ENTITY BRANCH OFFICE
<b>REGISTRATION NO:</b>	0411000678
<b>INITIAL CERTIFICATION DATE:</b>	OCTOBER 29, 2009
<b>EXPIRATION DATE:</b>	FEBRUARY 29, 2012

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

EXPIRES ON  
02-29-2012

NUMBER  
0411000435

9960 Mayland Dr., Suite 400, Richmond, VA 23233  
Telephone: 1 (804) 367-8500

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

PROFESSIONS: ENG

EEE CONSULTING INC  
201 CHURCH ST  
BLACKSBURG, VA 24060



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

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

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

EXPIRES ON  
12-31-2011

NUMBER  
0407003798

9960 Mayland Dr., Suite 400, Richmond, VA 23233  
Telephone: 1 (804) 367-8500

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

PROFESSIONS: ENG

EEE CONSULTING INC  
8525 BELL CREEK RD  
MECHANICSVILLE, VA 23116



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

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

<b>EXPIRES ON</b> 02-29-2012	<b>NUMBER</b> 0411000605
<b>DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION COMMONWEALTH OF VIRGINIA</b> 9960 Mayland Dr., Suite 400, Richmond, VA 23233 Telephone: (804) 367-8500	
BOARD FOR ARCHITECTS, PROFESSIONAL ENGINEERS, LAND SURVEYORS, CERTIFIED INTERIOR DESIGNERS AND LANDSCAPE ARCHITECTS BUSINESS ENTITY BRANCH OFFICE REGISTRATION	
PROFESSIONS: ENG	
MCDONOUGH BOLYARD PECK INC 711D FIFTH ST NE ROANOKE, VA 24016	
  Jay W. DeBartolotto Director	
<small>ALTERATION OF THIS DOCUMENT, USE AFTER EXPIRATION, OR USE BY PERSONS OR FIRMS OTHER THAN THOSE NAMED MAY RESULT IN CRIMINAL PROSECUTION UNDER THE CODE OF VIRGINIA.</small>	

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

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

**EXPIRES ON  
02-29-2012**

**NUMBER  
0411000697**

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

PROFESSIONS: ENG

SCHNABEL ENGINEERING CONSULTANTS, INC  
1901 SOUTH MAIN ST.  
SUITE 11  
BLACKSBURG, VA 24060



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

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

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

**EXPIRES ON  
02-29-2012**

**NUMBER  
0411000700**

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

PROFESSIONS: ENG

SCHNABEL ENGINEERING CONSULTANTS, INC  
ONE CARY STREET  
RICHMOND, VA 23220



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

**DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION**  
**COMMONWEALTH OF VIRGINIA**  
9960 Mayland Dr., Suite 400, Richmond, VA 23233  
Telephone: (804) 367-8500

**EXPIRES ON**  
08-31-2013

**NUMBER**  
0402010052

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

H W PLOTT  
AECOM  
1315 FRANKLIN RD  
ROANOKE, VA 24016



*Gordon N. Dixon*  
Gordon N. Dixon, Director

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

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

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

**EXPIRES ON**  
02-29-2012

**NUMBER**  
0402039327

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

**JOSEPH ROY HAMED**  
110 WENN DRIVE  
CHRISTIANSBURG, VA 24073



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

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

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

**EXPIRES ON**  
02-28-2013

**NUMBER**  
0402015251

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

STEVEN ALAN CAMPBELL  
701 FIRST STREET S.W.  
ROANOKE, VA 24016



*Gordon N. Dixon*  
Gordon N. Dixon, Director

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

