

Statement of Qualifications

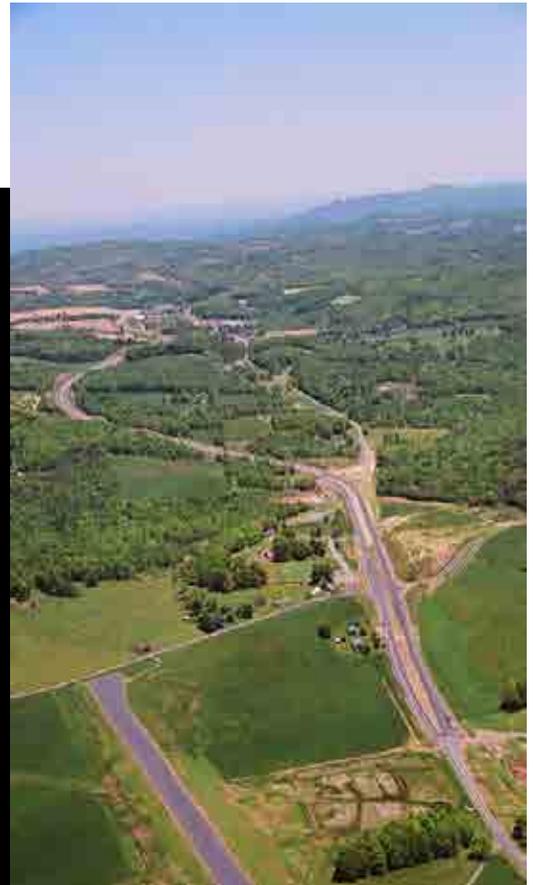
Design-Build Project

Route 3 Widening

From: 4.1 Miles East Rte. 29
To: 4.0 Miles West Of Culpeper/Orange County Line
Culpeper County, Virginia



Projects shown are similar to Route 3 in size and scope



January 25, 2013

State Project No.: 0003-023-107, P101, R201, C501
Federal Project No.: STP-023-7(024)
Contract ID Number: C00014657DB56



SECTION 3.2

LETTER OF SUBMITTAL





January 13, 2013

Mr. Joseph A. Clarke, P.E.
Alternate Project Delivery Office
Virginia Department of Transportation
1401 East Broad Street
Annex Building, 8th Floor
Richmond, VA 23219

RE: **Statement of Qualifications**
Route 3 Widening
Culpeper County, Virginia
State Project No.: 0003-023-107, P101, R201, C501
Federal Project No.: STP-023-7(024)
Contract ID Number: C00014657DB56

Dear Mr. Clarke:

Branch Highway, Inc., (Branch) is pleased to submit one (1) original paper version of our Statement of Qualifications, with full supporting documentation, which bear original signatures; one (1) CD-ROM containing the entire Statement of Qualifications in a single cohesive Adobe PDF file; and ten (10) abbreviated paper copies of the original Statement of Qualifications (SOQ) to the Virginia Department of Transportation (VDOT) to provide Design-Build (D-B) services for the Route 3 Widening D-B Project in Culpeper County, Virginia. We have carefully reviewed the Request for Qualifications (RFQ), RFQ Addendum No. 1, RFQ Information Package, and RFQ Questions and Answers; attended the Project Information Meeting; and visited the project site multiple times.

PROJECT TEAM

Branch Highway, Inc. a subsidiary of The Branch Group, Inc., is a 100% employee-owned company that has been continuously ranked in the *ENR Top 400* list of contractors since 1996 (currently #232). As one of the first successful design-builder in Virginia, Branch currently is leading the re-construction of 37-miles of Route 58 between Stuart and Hillsville, Virginia under Virginia's PPTA program, along with design-build projects for VDOT in Charlottesville, for Prince William, Stafford and Augusta Counties, as well as for George Mason University in Fairfax, Virginia.

Branch has teamed with **Johnson, Mirmiran & Thompson (JMT)** as the lead design firm to provide all engineering services for this project. Branch and JMT have excellent reputations in the design and construction of similar projects, with proven prior experience in delivering quality D-B projects. Other members of our team include EEE Consulting, Inc.; Schnabel Engineering Consultants, Inc.; Hassan Water Resources, PLC, NXL Construction Company, Inc., ECS Mid-Atlantic, LLC, Froehling & Robertson, Inc., and Sharp & Company, Inc.

Section 3.2.2 Point Of Contact

Branch's official representative and designated *Point Of Contact* for all project-related communications is Gale Tschuor, Chief Estimator. Mr. Tschuor can be reached as follows:

Address	Phone	Mobile	Fax	Email
Branch Highways, Inc. P.O. Box 40004 Roanoke, VA 24022	(540) 982-1678	(540) 815-3136	(540) 982-4216	gale.tschuor@branchhighways.com

Section 3.2.3 Principal Officer

The **Principal Officer** of Branch with whom a D-B contract would be written is Branch's Vice President, Michael P. Higgins, who can be reached as follows:

Address	Phone	Mobile	Fax	Email
Branch Highways, Inc. P.O. Box 40004 Roanoke, VA 24022	(540) 982-1678	(540) 815-3146	(540) 982-4216	mikeph@branchhighways.com

Section 3.2.4 Structure of Offeror

Branch Highways, Inc. is a Corporation registered in the Commonwealth of Virginia. Branch will be the Offeror, the point of contact and 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, Johnson Mirmiran & Thompson, Inc. (JMT), and NXL Construction Services, Inc.

Section 3.2.5 Full Legal Name of Both Lead Contractor and Lead Designer

Branch Highways, Inc. will be the Lead Contractor and **Johnson Mirmiran & Thompson, Inc.** will be the Lead Designer.

Section 3.2.6 Affiliated or Subsidiary Companies

All information regarding Affiliated or Subsidiary Companies can be found on Attachment 3.2.6 located in the Appendix.

Section 3.2.7 Certification of Debarment

Signed "Certification Regarding Debarment" forms for the D-B Team are included in the Appendix (Attachments 3.2.7(a) and 3.2.7(b)).

Section 3.2.8 VDOT Prequalification Number and Status

Branch Highways, Inc. is prequalified currently with VDOT (Vendor Number: B319), a copy of this prequalification certificate is located in the Appendix.

Section 3.2.9 Surety or Insurance Company Performance and Payment Bond

The letter of reference from Scott Insurance, our insurance agent, stating that Branch is capable of obtaining a performance and payment bond based on the current estimated contract value of \$39,000,000 is located in the Appendix.

Section 3.2.10 Business Entities Information

Full size copies of DPOR licenses and SCC registrations for the D-B Team members can be found in the Appendix, as well as Attachment 3.2.10.

Section 3.2.11 Commitment to DBE Participation Goal

Branch formally commits to achieving VDOT's twenty percent (20%) Disadvantaged Business Enterprise (DBE) participation goal for the entire value of the contract on the Route 3 Widening D-B Project.

Branch and JMT have long and successful histories of serving VDOT on numerous projects. As a single, integrated D-B Team, we will design and construct the route 3 Widening D-B Project in a manner to ensure the greatest opportunity for success. We will create a transparent working relationship with VDOT and 3rd party stakeholders to promote trust, confidence, and collaboration.

Respectfully Submitted,
BRANCH HIGHWAYS, INC.



Michael P. Higgins
Vice President of Operations and Design-Build Services

SECTION 3.3 **OFFEROR'S TEAM STRUCTURE**



3.3 OFFEROR'S TEAM STRUCTURE

Branch and JMT have assembled a team of qualified professional experience in working with VDOT design-build similar to the Route 3 Widening project. Branch, will be ultimately responsible for the delivery of this project to VDOT including coordinating all interested parties – subcontractors, designers, VDOT, utility companies and stakeholders – as well as providing overall construction management. In addition, Branch will serve as the Lead Contractor, self-performing much of the construction while managing qualified subcontractors and maintaining the project DBE requirements. Other team members and their assigned roles include:

- ✓ *Johnson, Mirmiran & Thompson, Inc.* – Lead Designer
- ✓ *NXL Construction Company, Inc.* – Construction Quality Assurance
- ✓ *ECS Mid-Atlantic, LLC* - Construction Quality Assurance Materials Sampling and Testing Services
- ✓ *EEE Consulting, Inc.* – Environmental Compliance, Cultural Resources and Permitting
- ✓ *Schnabel Engineering Consultants, Inc.* – Geotechnical
- ✓ *Hassan Water Resources* – Drainage, SWM and Stream Restoration
- ✓ *Froehling & Robertson* – Construction Quality Control Materials Sampling and Testing Services
- ✓ *Sharp & Company, Inc.* – Public Involvement/Relations

3.3.1 Identity of and Information About the Key Personnel

The Branch/JMT Team's key personnel are highly qualified with relevant experience in their respective project roles and have a long history working with VDOT on transportation projects as well as experience working on recent D-B projects in Virginia. **The Branch/JMT Team will keep these Key Personnel, as well as all identified support team members, on this project for the duration of this contract.** For the Route 3 Widening D-B Project, the Branch/JMT Team commits the following six (6) Key Personnel:

3.3.1.1 Design-Build Project Manager: Mr. Michael P. Higgins serving as the Design-Build Project Manager will oversee the project, to include design, construction, construction quality management and contract administration. He has over 25 years of construction experience and is Branch's Vice President of Operations and Design-Build Services. Mike's Design-Build Project Manager experience includes the extremely successful Route 58 Corridor PPTA projects (Hillsville Bypass, Meadows of Dan Bypass and Laurel Forks) and the award winning Route 15 PPTA project for Prince William County.

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 which consist 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, schedule, design, construction and quality. He will directly manage the Key Personnel: Mike Saunders (Quality Assurance Manager), Robert Gallagher, P.E. (Design Manager), Pete Kramer (Construction Manager), Barry Jones, L.S. (Lead Utility Coordination Manager) and Glenn Lee Cooper, SR/WA, R/W-NAC (Right of Way Manager).

3.3.1.2 Quality Assurance Manager: NXL has committed **Mr. Mike Saunders, P.E.** for this key role. In addition to providing independent quality assurance, a key role for Mike will be providing assurance to the public in general that they are obtaining the quality expected for the project – a role and viewpoint traditionally provided by VDOT. Mike has a significant and progressive history of working within the Department in similar roles and fully understands this role. He is a former VDOT Area Construction Engineer and Project Controls Engineer for the Richmond District and a former Project Manager for the Salem District. He has performed Responsible Charge duties which included making decisions and coordinating activities for projects that were in the Richmond District. Since leaving VDOT, he has been serving as an Independent QAM / Project Manager on Design-Builds for NXL where he ensures all contract requirements & specifications are appropriately administered & applied, all required QC testing and independent QA is carried out in accordance with applicable requirements, and he ensures construction quality standards are met & payments appropriately processed.

3.3.1.3 Design Manager: JMT has committed **Mr. Robert T. Gallagher, P.E.**, one of their most experienced managers, to serve as the DM. Mr. Gallagher has 26 years of extensive experience in Virginia transportation projects. He is responsible for the major transportation disciplines of roadway and bridge design, construction inspection, and right-of-way acquisition within the Commonwealth. He is thoroughly familiar with the VDOT project development and delivery process for transportation projects including public involvement policy; environmental

document compliance and permitting; roadway, hydraulics, structures (bridge and retaining wall) and traffic engineering; and utility design and relocation coordination. His vast experience in the management of all pertinent design disciplines ensures his ability to responsibly manage project design and to establish and assure an independent design QA/QC program for this project. Mr. Gallagher has been instrumental in the successful design and administration of many VDOT and municipal, VDOT funded, highway projects including numerous D-B projects. He has served as design project manager on multiple Primary Route two-lane to four-lane widening projects. He has served as the Project Manager or Principal-In-Charge on numerous VDOT “on-call” contracts and D-B projects throughout the Commonwealth including:

- ✓ VDOT Route 61 over New River, Route 460, and Old Virginia Avenue Project (D-B), Town of Narrows
- ✓ VDOT Route 288 PPTA Project (D-B), VDOT Richmond District
- ✓ James Madison Highway (Route 15) Improvements Project (D-B), Prince William County
- ✓ Fairfax County Parkway (Phase I, II and IV) Project (D-B), Fairfax County
- ✓ Gayton Road (D-B) PPTA, Henrico County – Structure Design and CQA/QC
- ✓ Route 1 (Monroe Avenue) over Potomac Yards Project (D-B), City of Alexandria
- ✓ Pentagon Secure Access Road Improvements at Route 27/244 Project (D-B), Arlington County
- ✓ VDOT Design Limited Services Statewide (2) and multiple Regional Contracts
- ✓ VDOT Traffic Engineering Statewide Limited Services
- ✓ VDOT NOVA Regional Quality Plan Review

Mr. Gallagher is a current member of VTCA’s Engineering Consultant Leadership Committee and previously served on VTCA’s Joint Highway Cooperative Committee.

3.3.1.4 Construction Manager: The Construction Manager, *Pete Kramer*, will plan, schedule and execute the construction work, ensuring the work and materials used on the project meet or exceed the contract requirements and the ‘approved for construction’ plans and specifications. Mr. Kramer has nearly 25 years of roadway construction experience, including 16 years with Branch Highways. Among his accomplishments as Construction Manager for Branch are the award winning Route 15 PPTA Design-Build project for Prince William County. Mr. Kramer’s proven experience on Route 15 attests to his capabilities of effective communication between Key Team Personnel in delivering an on-time, on-budge project meeting or exceeding the contract requirements. He has served as Construction Manager on numerous D-B projects throughout the Commonwealth including:

- ✓ Dulles Greenway
- ✓ Route 288 – Richmond
- ✓ I-95 HOT Lanes
- ✓ Prince William County Parkway
- ✓ GMU – Campus Drive

Mr. Kramer is a currently member of VTCA’s Contractor Leadership Committee as well as the Contract Administration Committee.

3.3.1.5 Lead Utility Coordination Manager: JMT has committed *Mr. Barry L. Jones, L.S.* one of their most experienced utility and design managers, to serve as the Lead Utility Coordination Manager. Mr. Jones has 43 years of experience in Virginia transportation projects. He serves as one of JMT’s Roadway Design Project Managers and Lead Utility Coordination Manager, and is responsible for multiple transportation projects. His past proactive work involving early utility coordination for the Route 3 project in the capacity of VDOT Project Manager brings a thorough understanding of project coordination needs and the prosecution of utility relocation and construction. He has worked together with the District Utility Manager and the utility owners to develop a preliminary planned sequencing of construction for utility relocations enhancing the constructability of the proposed roadway. Mr. Jones was also deeply involved with providing early coordination related to the crossing of the Williams Gas Pipelines for the Route 3 project in a proactive effort to negate any relocation work to the pipelines. He is thoroughly familiar with the VDOT project development and delivery process for transportation projects including roadway, hydraulics, and utility design and relocation coordination. His proven experience in the management of roadway projects and his overall understanding of the process involved with the interaction of construction, design and utility relocation has been instrumental in the successful design and administration of many VDOT and municipal, VDOT funded highway projects. He has served as the Project Manager, Utility Coordination Manager or Principal-In-Charge on numerous VDOT contracts throughout the Commonwealth including:

- ✓ Route 3 Widening, Culpeper County, VA (PM and Early Utility Coordination)
- ✓ Route 29/ Route 666 Interchange, Culpeper County, VA (PM and Early utility Coordination)
- ✓ Route 501, Campbell County (PM and Early Utility Coordination)

- ✓ Route 262, Limited Access Highway with 3 Interchanges, Augusta County, VA (PM)
- ✓ Route 58 Widening, 3 Sections, Lee County, VA (PM)
- ✓ Route 58 Relocation and interchange, Gate City, VA (PM)
- ✓ Gaskins Road, New Construction- 4 Lane with raw water and major gas and water distribution lines, Henrico County, VA (PM and Utility Design and Coordination Manager)
- ✓ Route 3 Widening, King George County, VA (PM and Early Utility Coordination)
- ✓ Braddock Road Widening, Fairfax County, VA (PM)

3.3.1.56 Right of Way Manager: JMT has committed **G. Lee Cooper, SR/WA, R/W-NAC** to serve as the Right of Way Manager. Mr. Cooper brings over 20 years' of experience who currently serves as an approved R/W Consultant with VDOT and is currently working with the Culpeper District as part of the on-going Rte. 229 Right of Way Acquisition. He previously served as part of the Prince William County Right of Way Land Acquisition team. Lee brings a complete understanding of the federal uniform act as related to acquisition and relocation practices along with the Code of Virginia as related to real property acquisition and the laws governing condemnation proceeding. He brings to The Team an understanding of utility coordination practices and easement acquisitions as it relates to transportation projects and is veteran with the RUMS system. Lee recently completed serving as the Right of Way Manager for the Gayton Road D-B PPTA in Henrico County (64 parcels) with a high voluntary conveyance rate. Lee is an industry leader currently serving as the Board, President, IRWA Chapter 52, Region 4 and is a Designated SR/WA and Certified in Negotiations/Acquisition (R/W-NAC) from International Right of Way Association.

3.3.2 Team Organizational Chart

The organizational chart provided at the end of this section identifies the major functions to be performed by the Branch/JMT Team along with displaying the lines of responsibility, communication, and relationships between the various entities. The organizational chart shows the reporting relationships of Key Personnel responsible for the management of design, construction, and quality control as well as the independent responsibilities of the QAM and his staff. The Branch/JMT Team has clearly defined roles and relationships. The team organization is optimized to promote team synergy yet present clear, logical, and efficient reporting relationships to manage the design and construction and related approvals for the Route 3 Widening D-B Project, while maintaining distinct responsibilities and project controls. The project staff is organized to facilitate timely and effective communication among all personnel, regardless of position. Practical lines of communication run between design, construction, and the independent QA and QC support staff, with the D-B PM ensuring all levels function as a team. This organization is a successful model used by Branch and JMT on past and present projects.

Design-Build Project Manager The organizational chart starts with the public and VDOT at the pinnacle of the hierarchy. The Team recognizes that all final decisions rest with VDOT and recognizes the need to assure that the public need is met. The team's primary interface with VDOT will be through the D-B PM, **Michael Higgins**.

In accordance with sound management practice and VDOT guidance, the D-B PM serves in the most crucial role, one that defines success for all aspects of the project. The D-B PM is the principal conduit for communication with VDOT, and also directly controls the design, construction, and quality assurance functions. One feature of the Branch/JMT Team proposal is the independence of the key support staff of specialty professionals whose role is to assure that the highest levels of quality and safety are maintained in both the design and construction phases of the project.

The organizational chart further depicts that the main production staff interfaces with the D-B PM will be the DM, the CM, the UC and the ROW Manager; allowing effective communication among the Key Personnel with oversight from the QAM. The DM and the CM will support the D-B PM as points of contact with VDOT in their respective areas of expertise. The D-B PM will rely on the DM, the CM to effectively coordinate their individual Team elements and will use these Key Personnel to communicate to all Team members during design and construction.

Quality Assurance Manager The Branch/JMT Team organizational chart identifies NXL Construction Services, Inc. as the independent firm to provide the Construction Quality Assurance services for this project. NXL commits **Mr. Michael W. Saunders, PE, CCM**, to serve as the QAM in a leadership capacity for the project's construction quality assurance program. He will oversee a QA staff as well as oversee the activities of our independent off-site materials sampling and testing laboratory, ECS. The QAM will report directly to the D-B PM but also must fulfill his independent responsibility to provide adequate assurance that the public (and VDOT) is receiving the desired quality in the overall project.

NXL Construction Services, Inc. (NXL)

Section 3.3

Offeror's Team Structure



NXL will provide all Construction Quality Assurance services for this project including QA-level inspection and administration activities.

ECS Mid-Atlantic, LLC (ECS)

ECS will provide QA Services for the off-site materials sampling and testing.

Design Manager The Branch/JMT Team organizational chart clearly defines that all design disciplines for the project will report to the DM, **Mr. Robert Gallagher, PE**. The approach to staffing these disciplines hinges on the concept of matching the requirements of this project to the experience and depth of knowledge of staff best suited to fulfill these specific requirements. While the majority of the disciplines will be covered by JMT professionals, the team does include specialty subconsultants who will augment the Team and report directly to the DM. The DM will report directly to the D-B PM. In addition, the key staff for Utilities and for Right of Way will also closely interact with Bob to resolve these two critical aspects of the project.

Mr. Gallagher will also establish and oversee the QA/QC program for design. The responsibilities of the QA/QC team will be separated between the Design QA Manager and the Design QC Managers.

The Design QA Manager will operate independent of the design team and will evaluate and compare the design to the established design criteria and ensure that the design QC process is complete. In general, the Design QA Manager will evaluate whether the designer appropriately documented quality issues related to design and technical problems, applied the correct analysis techniques, and assigned qualified personnel to the task. The Design QA Manager will address whether the solution is practical and cost effective and whether the design is appropriate. ***JMT has identified Mr. Trip Phaup, PE to serve as the Design QA Manager.*** He will interface and report directly to the DM. Trip has provided design quality assurance services on numerous projects during his 23 year engineering career.

The Design QC Team will be staffed with individual Design QC Managers that are not involved in the design process and will report directly to the DM. Qualified reviewers that are independent from day-to-day design activities ensure that the QC Team is truly providing a fresh set of eyes to plan development. The independent QC reviews will determine whether the design and plans conform to the established design criteria and design processes including verification and documentation using QC checklists like LD-436. In general, the QC Team will review math and engineering computations; check technical accuracy; verify conformance with contract requirements; review form, content, and spelling; and verify coordination with other design disciplines and the project sequence of construction.

The following subconsultants will provide specialty services and will report directly to the DM.

EEE Consulting, Inc. (EEE)

EEE will be responsible for environmental compliance and obtaining all necessary state and federal water quality permits for the project. In addition, during construction phases they will provide oversight to identify disclosed cultural resources.

Schnabel Engineering Consultants, Inc. (Schnabel)

Schnabel will provide geotechnical services for the project including geotechnical investigations, borings and analysis, materials analysis, and geotechnical recommendations for design and construction.

Hassan Water Resources, PLC Hassan Water Resources will provide drainage design services for the project including design of stormwater management systems. They will also provide design services for stream restoration.

Construction Manager **Mr. Pete Kramer** will interact directly with VDOT project representative, review staff to coordinate design oversight reviews and gain design approvals. The Construction 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 and in a timely fashion.

The Construction Manager will report to the DBPM, The JMT DM, R/W M, and LUCM. He will also conduct daily and weekly meetings and update and communicate with the QAM on a regularly scheduled basis.

Lead Utility Coordination Manager Utility issues are a critical element for this project. The Lead Utility Coordination Manager, **Mr. Barry Jones, L.S.**, will report directly to the D-B PM. During the design, utility relocation, and construction phases; he will interface with the DM, CM, RW manager, and utility owners to communicate project critical utility information and coordination efforts.

Right of Way Manager The Right of Way Manager, **Mr. G. Lee Cooper, SR/WA, R/W-NAC**, will report directly to the D-B PM. His role is critical to the schedule and completion of the project and could include partial acquisition of at least 63 parcels with 3 relocations. He will interface with the DM, CM and Lead Utility Coordination Manager during all phases of the acquisitions and relocations.

Organizational Chart for Route 3 Widening Design-Build Project Goochland County and Henrico County, Virginia



3rd Party Stakeholders

VDOT
FHWA
USACE/DEQ
VA DHR
Culpeper County (Fire/EMS
Schools, BOS)
Route 3 Citizens Task Force
Gerranna Foundation
Brandy Station Foundation
Civil War Preservation Trust
Central VA Battlefield Trail
Virginia Outdoor Foundation
Citizens and business owners

Safety Director
Danny Minnix

*Design-Build
Project Manager*
✓ Michael P. Higgins

Environmental Compliance Monitor
EEE Consulting, Inc.

Public Involvement/Relations
Sharp & Company, Inc.

Design QA Manager
Trip Phaup, PE

Design Manager
✓ Robert Gallagher, PE

Right of Way Manager
✓ Glenn Lee Cooper, SR/WA,
R/W-NAC

*Lead Utility
Coordination Manager*
✓ Barry Jones, LS

Construction Manager
✓ Pete Kramer

Quality Assurance Manager
NXL Construction Company, Inc.
✓ Michael Saunders

Design QC Manager
Bob Reed, PE

Roadway
Rodney Hayzlett, PE

Hydraulics
▲ Hassan Water Resources, LLC
Gamal Hassan, PE
Donnie Vaughn, PE

*Traffic Engineering, TMP/MOT
Intelligent Transportation Systems*
Randy Boice, PE

Utilities
Chris Taylor, PE

Structure and Bridge
George Clendenin, PE

Geotechnical
Schnabel Engineering Consultants, Inc.
Ed Drahos, PE

Survey and SUE
Michael Zmuda, LS, PE

Environmental
● EEE Consulting, Inc.
Ian Frost, AICP, CEP

*Roadway
Superintendent*

*Structure and Bridge
Superintendent*

*Craft/Trade
Foreman*

*Construction Quality Control
Manager*

Construction Quality Control
● Froehling & Robertson, Inc.
Inspectors
Off-Site Materials
Sampling and
Testing Laboratory

*Construction Quality
Assurance*
ECS Mid-Atlantic, LLC
Inspectors
Off-Site Materials Sampling &
Testing Laboratory

- Legend:
- ✓ = Key Personnel
 - = Branch Highways, Inc.
 - = Johnson, Mirmiran & Thompson, Inc.
 - = NXL Construction Co., Inc.
 - = Small, Women, and Minority Business
 - ▲ = Disadvantaged Business Enterprise





SECTION 3.4 EXPERIENCE OF OFFEROR'S TEAM



3.4 EXPERIENCE OF OFFEROR'S TEAM



Branch Highways, Inc. (Branch), the Team Leader (Offeror) submitting this Statement of Qualifications has been a Roanoke, Virginia based heavy highway construction company since the mid-1960s (later incorporated as 'Branch Highways' in 1986). Our business experience has included projects in Virginia, North Carolina, Tennessee, Mississippi, Pennsylvania, West Virginia and Maryland, and our resume of projects over nearly fifty (50) years runs the gamut of traditional and non-traditional procurement methods. Our construction-only and combined design-build projects for both public and private clients, have included numerous large and complex projects, many located specifically in the Culpeper District and Northern Virginia. We have been active in this region since the 1980's and we are well staffed with employees who are committed to improving their own communities throughout the Region. Our permanent Regional Operations Office, located in Manassas, offers a local support hub for both our employee-owners and our clients within this region.

Throughout our history, Branch's experiences with the Virginia Department of Transportation have yielded many successful projects and garnered Branch Highways many accolades, including the State Quality award for our work on the Route 262 Staunton Bypass in 2003, and more recently the Staunton District Quality Award in 2011 for our work on the Port Republic Road Project. The individuals within Branch's management team assembled for the Route 3 Widening Project were key contributors to those projects. We fully expect that these employees will bring a wealth of relevant experience and expertise to the Route 3 Widening Project under consideration.

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.*"

The sentiments noted, above, are further reinforced by Branch Highways' 2010 "Outstanding Contractor" award from Prince William County, Virginia for our work on the Route 15, James Madison Highway PPTA and achieving and maximizing all project incentive milestones on the Port Republic Road in Harrisonburg for VDOT. Our reputation for delivery ahead of schedule and within budget on VDOT projects is well deserved. The two most recently completed VDOT Projects, the aforementioned Port Republic Road and the more recent Goodman Crossing Road in Campbell County, each finished approximately 6 months early and under the originally awarded contract amounts. Many of the same individuals responsible for the construction of these two projects will be assigned to the Route 3 Widening Project.

While those accomplishments are a strong indicator of what can be expected from the team assembled by Branch Highways, there are other clear signs that Branch is both competent and strong. Branch Highways has been a statewide leader in the PPTA/D-B industry in the Commonwealth, having positioned itself and its corporate structure to address the requirements of the PPTA/D-B environment. With over \$153M successfully completed PPTA/D-B work in place, and over twice that currently in progress, Branch Highways has grown adept in the processes involved. Our ability to solicit and coordinate professional service providers, subcontractors, and suppliers, including SWaM and DBE-certified businesses, testifies to our ability to manage the complexities involved in the Design-Build process through successful project completion. The Branch Team assembled for the Route 3 Widening Project under consideration provides a formidable organization specifically tailored to meet the needs of this specific Project and once again, deliver success.



Johnson, Mirmiran & Thompson, Inc. (JMT) is a multi-disciplinary employee owned consulting firm specializing in providing solutions for a variety of engineering needs. JMT serves public agencies throughout the Eastern United States with a broad range of planning, design, and construction management services. JMT is currently ranked #105 in *Engineering News-Record's (ENR) List of Top 500 Design Firms of 2012*, and ranked #18 by ENR for Highway Design. JMT has the resources of more than 795 personnel and 41 years of experience providing a broad range of transportation improvements with offices located in Richmond, Virginia Beach and Herndon, Virginia; with additional offices in Pennsylvania, Maryland, West Virginia, Delaware, New Jersey, Florida, New York, and Washington, D.C. With a total staff of over 730 professionals strategically located across the mid-Atlantic region, JMT offers the staff, capabilities and resources of a "Big" firm, while maintaining the personal touch and service of a "Small" firm.

We accomplish our mission through the dedication of our employees and managing principals, who are committed to providing clients with professional services of exceptional quality. **JMT is a 100% employee owned company.**

As an employee-owned firm JMT's staff has a special relationship with our clients. *Because we own the company, you are investing in us with every project we undertake.* That motivation ensures that you get our full commitment, every time. When you're successful, we're successful, and we want your repeat business.

For over 41 years, we have provided planning, engineering, traffic, environmental, architecture, surveying, information technology, construction management/inspection and related services to clients throughout the region resulting in our reputation as a first-class consulting firm providing innovative, user friendly, and cost-effective solutions to assist public agencies to meet regulatory commitments and improve service to customers.

JMT has designed major projects for VDOT, Maryland State Highway Administration, Maryland Transportation Authority, Pennsylvania Department of Transportation, and the Metropolitan Washington Airports Authority. JMT's transportation design capabilities have been recognized by a number of awards that our projects have received including:

Fairfax County Parkway Design-Build Project, Phases I, II, and IV, Fairfax County, VA

- 2012 Transportation Engineering Award, VDOT Projects Greater than \$10 Million, VTCA
- 2012 Honor Award, American Council of Engineering Companies – Metropolitan Washington
- 2011 Merit Award, American Council of Engineering Companies – Virginia
- 2011 Honor Award, American Council of Engineering Companies – Maryland

North Area Roadway Improvements, Washington Dulles International Airport, VA

- 2010 Merit Award, American Council of Engineering Companies – Virginia

Woodrow Wilson Bridge, Prince George's County, MD; Washington, DC; and Fairfax County, VA

- 2008 OPAL Award, American Society of Civil Engineers - Maryland

JMT's Mission Statement
"To provide quality professional services that produce positive impacts and exceed expectation through imagination, innovation, involvement, and sound technical and business"

Details of these and other award winning projects can be found on JMT's website at <http://www.jmt.com/about-jmt/awards-honors/>.

JMT brings substantial understanding of VDOT policies and procedures and this is best evidenced by the following existing "On-call" contracts which also demonstrate our commitment and ability.

- ✓ VDOT Statewide Design Limited Services Term Contract;
- ✓ VDOT Approved Right of Way Consultant;
- ✓ VDOT MS-4 Permit Compliance contract (major sub consultant);
- ✓ VDOT Statewide Traffic Engineering Design Limited Services Term Contract; and
- ✓ VDOT Statewide Survey/SUE Term Contract (sub-consultant).

The projects listed below showcase JMT's Virginia relevant D-B experience that are similar in size and scope to the Route 3 Widening Design-Build (D-B) Project. Project similarities include interstate; interchange; survey and SUE; bridge, road, hydraulic, and traffic engineering; geotechnical engineering; utility design, relocation and coordination; phased construction and maintenance of traffic; environmental studies and permit acquisition; and public involvement.

- ✓ Fairfax County Parkway (D-B), Fairfax County, VA
- ✓ Route 61 over New River, Route 460, and Old Virginia Avenue (D-B), Town of Narrows, VA
- ✓ 3rd Street (Route 15/460) over Buffalo Creek (D-B), Town of Farmville, VA
- ✓ James Madison Highway (Route 15) Improvements, PPTA (D-B), Prince William County, VA
- ✓ Route 29 Bypass (D-B), Charlottesville and Albermarle County
- ✓ Gayton Road, PPTA (D-B) Henrico County, VA

Relationship of Branch and JMT

Branch and JMT and the individual staff members of Branch and JMT have a solid, long term, work history of teaming and partnering on transportation projects. The successful completion of these projects demonstrates that the Team possesses the skills and knowledge to provide VDOT with an exceptional team for the design and construction of the Route 3 Widening Design-Build (D-B) Project. In addition, Branch and JMT's focus on process, planning, and scheduling make them an excellent team for this project. Both organizations are very experienced with the design-build process and have a proven cooperative work history. *Representative Branch and JMT similar type projects that demonstrate a proven cooperative work history, teaming experience and complementary skills and experience are as follows:*



James Madison Highway (Route 15) Widening Prince William County, VA- Branch was the Design-Build Contractor providing design, construction, right of way, and utility relocation for Route 15 Improvements under the authority of the Virginia PPTA Act for Prince William County. Similar to the Route 3 Widening Project, about 5 miles of existing 2-lane Route 15 was widened to 4-lanes and required a series of environmental permits and mitigation actions for streams and wetlands. JMT provided services for subsurface utility exploration, right of way acquisition, and design for three new parallel bridges and construction phase services for a fourth bridge.

Route 29/Charlottesville Bypass, Albermarle County, VA - Branch Highways and JMT has worked together as a team members of the Sakanska/Branch Joint Venture Team. While we are still awaiting NTP#2 the work we have demonstrated via a Team effort is second to none. Our Team holds similar values; we both view our people as our strongest resource and asset. Both of our firms are Employee Owned and such ownership we feel makes our firms stronger and more rewarding for our people to strive for excellence. This could not be better demonstrated than looking at the 29 Bypass in Charlottesville. Our Team worked tirelessly through the RFP, SOQ and RFP stages to successfully secure this project as the best responsive Team which we received an award. This 6 miles of two lane divided roadway with 9 bridges that runs from Rte. 250 on the south end and heads north and ties back into existing 29 just north of the Rivanna River has many similar work types as does the Rte. 3 project. Although the bypass is larger in scope, the Rte. 3 project actually compliments our efforts and gives us the opportunity and ability to work our equipment and manpower more efficiently allowing both projects to arrive in budget and on schedule.

Route 58 Corridor Improvements, Meadows of Dan and Hillsville, VA - JMT provided design services to the Department for roadway and bridge design plans for an 11.1 km (6.9 mi.) portion of Route 58 from the intersection of Route 669 (east of Hillsville) to Big Reed Island Creek (east of Route 844). The project included two new bridges, one over Big Reed Island Creek and the other over Snake Creek in Carroll County. The design consisted of parallel widening of the existing roadway and portions on new location throughout the rural terrain of south western Virginia. The project was completed thru Right of Way stage and into the construction stage where Branch Highways took over finalizing the design and construction of the Route 58 Corridor from Hillsville to Stuart under the authority of the Virginia Public-Private Transportation Act of 1995 for Virginia Department of Transportation. JMT then worked in conjunction with Branch during the right of way acquisition phase.



Branch’s safety record is exemplary as evident in receiving contractor safety awards from the **Virginia Transportation Construction alliance for years 2009, 2010 and 2011** as well as a certificate of merit from the U.S. Army Corps of Engineers for project work without a lost workday injury for 2009. Branch was recognized by the City of Roanoke for its outstanding job of environmental protection during construction of flood reduction measures on a project on the Roanoke River. Branch received the Excellence Achievement Award for years 2007, 2009 and 2011 from the National Safety Council as well as a 2011 Perfect Record award.

Work History Forms (Appendix 3.4.1) - Branch and JMT submit the following projects in *Appendix 3.4.1* to best demonstrate our individual qualifications for the Route 3 Widening Project.

BRANCH WORK HISTORY AS LEAD CONTRACTOR	JMT WORK HISTORY AS LEAD DESIGNER
✓ Main Street Improvements	✓ Fairfax County Parkway Design-Build
✓ Route 58 Corridor Improvements	✓ Route 7 (Leesburg Pike)
✓ James Madison Highway (Route 15) PPTA Design-Build	✓ US 40 at MD 715 Interchange Improvements

Subconsultants and Major Subcontractors

Branch and JMT have developed and organized a team in order to provide VDOT with sufficient, knowledgeable, and qualified staff to successfully complete this project. Based on the project size, we selected a number of qualified subconsultant firms to provide the expertise, experience, qualifications, and staff resources to accomplish the anticipated work. Brief descriptions of the qualifications of each subconsultant are provided below.

 **EEE Consulting, Inc. (EEE)**, (SWaM Certification MS #696082; S #7052) specializes in environmental and environmental engineering, local government planning and environmental education. EEE has helped local government, and state and federal transportation agencies with natural resource, wetlands, hazardous materials, air quality, noise studies, environmental compliance, and NEPA documents, including Environmental Impact Statements, Environmental Assessments, Categorical Exclusions, and State Environmental Review Process Requirements. EEE’s

transportation experience includes contracts with VDOA, VDOT, VDRPT, WMATA, NCDOT, STB, FTA, and local governments. EEE is extremely familiar with the environmental work necessary and has provided similar services to JMT on numerous recent projects including the Fairfax County Parkway Design-Build project in Fairfax County, VA.

 **Schnabel Engineering Consultants, Inc. (Schnabel)**, founded in 1956, is an employee-owned company offering highly specialized services in geotechnical engineering, geostructural design, dam engineering, tunnel and underground engineering, environmental, geophysical and geosciences, construction monitoring, and resident engineering from locations throughout the United States. Schnabel's wide variety of projects includes buildings, dams, airports, highways and bridges, subways, tunnels, port facilities, and government facilities. With a multi-disciplinary staff of more than 300, Schnabel provides a full range of geotechnical and dam engineering services including subsurface exploration, soil laboratory testing, engineering analysis, design recommendations, and construction phase services. Schnabel has provided geotechnical engineering services on over 75 bridge and roadway projects throughout Virginia located in a wide variety of geologic settings. Schnabel has a long history of providing geotechnical services to JMT including the Fairfax County Parkway Design-Build project in Fairfax County, VA.

 **NXL Construction Services, Inc. (NXL)** (SWaM Certification #626437 DBE Certification #N140) was founded in 1989 and is based in Richmond, Virginia. Founded in 1989 based in Richmond, NXL has offices throughout Virginia. NXL provides inspection, office engineer services and consultation on all phases of construction and takes pride in being able to staff projects, including large multi-year contracts, with minimal turnover in personnel. NXL will utilize **ECS Mid-Atlantic, LLC** for materials testing for the Route 3 Project.

 **Sharp & Company, Inc. (Sharp)** (SWaM Certification #669711 DBE Certification #DB2007-0011-2010) is a full service communications consultancy. For over 17 of their 30 years in business, Sharp has assisted transportation organizations achieve the interest and support they need—whether it's involving an affected community in supporting Virginia's Department Transportation Development I-66 Multimodal Study or expressing the value of the Washington area Metro system to the public in a way that enabled the Authority to procure an additional \$1.5 billion in capital funding. Sharp & Company provides experienced information communication strategists, seasoned print, video and web writing and design, as well as organization management professionals with significant private and public sector communication experience, outreach and meeting planning, logistics and support for up to 20,000 participants and ability to form and lead cost-effective teams through long-standing key strategic alliances that provide comprehensive coverage

HWR Hassan Water Resources (HWR) is a Virginia certified DBE and SWaM professional limited liability company specializing in water resources, environmental impact consulting, and engineering services. HWR's technical expertise is in the fields of hydrology, hydraulic analysis, and river mechanics using state-of-the-art complex waterway and sediment transport modeling simulations. HWR is specialized in GIS integrated hydraulic analyses to deliver practical solutions to roadway drainage and storm water management system designs, watershed and floodplain modeling and studies, flood hazard and FEMA flood studies, and river mechanics and scour depth analysis. HWR has experience in sediment transport and sediment control analyses, river training and scour countermeasure designs, erosion and sediment control studies, and water quality, NPDES and MS4 analysis and studies. HWR is currently providing VDOT professional engineering services related to river mechanics and scour analysis under a Statewide Drainage Design and River Mechanics Engineering Term Contract and services related to water resources and sediment transport modeling under the Municipal Separate Storm Sewer System (MS4) Permit Term Contract. Also, HWR is providing hydraulic and hydraulic analysis, and scour analysis services to JMT on the DB Route 61 over New River project in the Town of Narrows.

 **ECS Mid-Atlantic, LLC (ECS)** With an 18-year record of growth, accomplishment and success, ECS is a top ranked provider of environmental, geotechnical and cultural resources engineering as well as construction observation and testing services. ECS provides these services to both the private and public sectors from 13 offices located in Virginia, Maryland, Pennsylvania, and the District of Columbia. ECS sets the standard for service. Client needs are the number one priority, and ECS strives to provide innovative, value-added solutions to satisfy site constraints and challenges, project requirements, and federal, state, and municipal regulatory requirements. That's why ECS consults on more than 8,000 projects on a yearly basis. And that's why ECS is the partner of choice for many of the region's top A/E and consulting firms. Local to Virginia, ECS has 600 employees, 160 engineering and scientific professionals, and 12 material testing laboratories accredited by WACEL, AASHTO, AMRL, CCRL, and USACE.

 **Froehling & Robertson, Inc. (F&R)**, established in 1881, is a multi-disciplinary engineering firm that provides a full range of services including construction management, construction materials testing, and environmental and geotechnical engineering. Not only does F&R have some of the most advanced testing facilities and equipment in the industry, but their engineers and technicians are among the most highly trained. F&R's specialists are examined and certified by technical groups including WACEL, NICET, ACI, AWS, and ASNT, and constantly take new training to ensure that they are up-to-date on the latest procedures and techniques.

SECTION 3.5 **PROJECT RISK**



3.5 Project Risks

RISK 1 – RIGHT OF WAY/ACQUISITION

- **Risk Description**

Property acquisition could expose risks to the Team and VDOT. Three items of this risk are vital: timely project coordination, the relocation assistance process, and acquisition negotiations. Problems with any of these risks can have an effect on both the project schedule and budget.

- **Impacts**

Project Coordination: Clearing the right of way is one of the work areas where both the Team and VDOT have key roles. All parties must work in concert to avoid delays and unexpected costs. Coordination is vital during the sensitive process of acquiring the land needed for the project so that a united front is presented to affected property owners. VDOT's Office of Real Estate (ORE) has established milestones to exchange data and information that must be met as part of successful acquisition process.

Relocation Assistance: Potentially, the most critical right of way risk on the project is in the task of relocation assistance. For this project there are relocations from 3 residential properties including 2 that contain multiple tenant families. A major obstacle in the relocation assistance process can be finding adequate comparable listings for similar properties in the area. Relocations would normally take up to 18 months; we need to move faster.

Negotiations: The project contains at least 63 negotiations which would normally take about 9 to 10 months to complete. Most parcels are either residential or agricultural in use along with a few commercial properties. Many have special issues and requirements including: impacted septic drain fields, containing livestock, environmental constraints, and special access requirements.

- **Mitigation**

The Team proposes the following actions to mitigate right of way risks:

- Use right of way staff with extensive experience in the VDOT process.
- Hold scheduled meetings with the right of way team including VDOT to maintain close coordination of this sensitive aspect of the project.
- Generate a detailed schedule to anticipate and accommodate VDOT ORE milestones.
- Gain early access to the VDOT ORE's Right of Way and Utilities Management System (RUMS). In order to do any VDOT Right of way work, the consultant must have access to the RUMS system.
- Obtain timely approvals on values and relocation studies.
- Maintain direct communications between the Team's right of way manager and the VDOT ORE staff member assigned to the project from the very beginning of the project until all properties are clear.
- Early start for the relocation process; in order to complete this project successfully the team would begin the relocation process as soon as approval is received from VDOT ORE. The first task for the Relocation Specialist will be to determine how many claims are needed from the two properties with multiple family units. The team will use real estate data services from the area and talk with realtors in order to find comparable listings. This allows time for preparing and presenting the relocation assistance study, the search and finding of replacement housing, securing financing if required, utility hookups and moving all personal items.
- The Relocation Specialist must issue the 90 day and 30 day letters to vacate so that the project schedule is not affected. If it is necessary to speed up the project schedule the team can ask VDOT and the Federal Highway Administration (FHWA) for approval to offer incentives to try and get the displaced person(s) to relocate more quickly. An example of this that has been employed on other projects throughout the country is to offer an additional amount above the replacement housing payment (RHP) as established in the relocation study. In exchange the displaced persons will agree to complete the relocation within a certain time frame.
- Minimize the effect on any drain fields along the alignment.

- Design access points especially for the farms early in an early design stage.
- Provide details to and protect livestock from the farms in the impacted area.
- Erect temporary fences to avoid environmentally sensitive properties.
- Address design affecting right of way plats early in the process to aide the appraiser in setting the values the properties impacted by the project.
- Begin preparation of condemnation documents 30 days after negotiations commence with individual property owners.
- There are ways to speed up the negotiation process including having the appraisal work begin prior to VDOT giving the notice to proceed with negotiations. This can be done if the NTP is anticipated close to when the appraisals are (NTP) being completed. The appraisals can be started also prior to completion of the adequate construction plans to allow the appraiser to establish a before value of the property. To do this appraisal work prior to the right of way NTP approval from VDOT and FHWA would be needed.
- Prioritize the negotiations into phases so that the team acquires or gets possession of the property that the contractor will be working on first.

The key to success for this project is excellent coordination and communication between the design build team and VDOT. This is especially true in the right of way area to make sure everything that VDOT ORE needs is sent to them so that they have time to adequately review and approve. Additionally coordination on the RUMS system with VDOT ORE is vital to the process. If this coordination and communication takes place then the right of way work on the project will be completed on schedule and under budget.

- ***VDOT's Role***

The Team's goal is to reduce VDOT's workload during the right of way process. However, key decisions and approvals are needed from VDOT in a timely manner. We anticipate that VDOT will remain informed throughout the process in order to expedite and anticipate potential delays.

RISK 2 – UTILITY RELOCATION

- ***Risk Description***

Williams Gas Pipeline (WGP) and utility relocations pose potential significant risks throughout the project. The risks could affect the project schedule, project costs, and safety. These risks are set forth following:

- Impacts to WGP pipeline facilities including: encasements, cathodic protection systems, metering station, and associated reconstructions.
- Water and gas distribution lines serving the Growers Plant facility must remain operational throughout the project duration.
- Numerous underground fiber optic, telecommunication and overhead power distribution facilities will be relocated for the project construction.

- ***Impacts***

- Encroachment agreements will be required for work related to the WGP pipeline crossing of Route 3, WGP cathodic protection systems, and WGP metering station facilities; potentially affecting the project schedule.
- WGP will require a pre-construction, and potentially a post construction, inspection of their facilities: these inspections will require a reimbursement agreement with the Team potentially affecting the project schedule and cost.
- Three major pipelines (36" and 2- 30") will require encasement extensions to the proposed Route 3 right of way lines. The existing pipelines may have vertical grade breaks in the area between the existing right of way lines and the proposed right of way lines requiring a major relocation of one or more of the pipelines to install pipeline encasements posing significant risk to the project budget.

- Existing water and gas distribution lines located in the vicinity of the Growers Plant must remain in service to eliminate costs associated with plant shut downs.
- Numerous priority communication lines, fiber optic lines and service drops will need relocation along both sides of the proposed construction and can potentially delay the project and hinder on-going construction operations.

- **Mitigation**

Planned mitigation strategies planned by the Team include the following:

- Provide early coordination efforts with WGP to identify all affected WGP facilities, condition and location (horizontal and vertical), and obtain consensus regarding clearance requirements, safety needs, coordination, and reimbursement.
- Refine the design to eliminate storm sewers, inlets and guardrail, and design pave ditches, within the WGP right of way corridor.
- Encasement costs can be abated by restricting the proposed right of way within the WGP easement.
- Phased construction of the project and concurrent utility construction efforts would allow the relocation of critical facilities to the Growers Plant and prevent costly shut-downs.
- Build Route 3 and concurrently relocate existing utilities from Route 639 to the eastern project terminus (where in-situ utilities are not as concentrated and are more easily relocated). Begin work on the western section later to allow more time for the remaining utilities to be efficiently relocated.
- Maintenance of traffic, roadway drainage, safety, and major structure constructability would be improved using carefully planned and phased construction.

- **VDOT's Role**

The team expects VDOT to provide Preliminary Utility Field Inspection (Spring 2010) meeting notes and documents regarding early utility coordination efforts and to provide the team with any known" local knowledge" that could affect the project schedule or budget.

RISK 3 – STORMWATER (DRAINAGE) MANAGEMENT

- **Risk Description**

The extent of impacts to streams and wetlands exceeds the limits for a nationwide permit or general permit thus an, Individual Permit must be obtained. VDOT stormwater quality policies and criteria have been evolving since the project's right of way was presented at the Public Hearing; there is an implied need for additional provisions to improve water quality.

- **Impact**

Environmental Permitting: Preliminary estimates provided in the FONSI dated May, 2012, state that the project may impact 1,576 linear feet of jurisdictional streams and about 4 acres of wetlands. If these impacts cannot be reduced during design, the Team will need to secure an Individual Permit from the United States Army Corps of Engineers (USACE) and from the Virginia Department of Environmental Quality (DEQ). These permits could take from eight to twelve months to secure from the agencies. The risk to the Team therefore, is whether the environmental permitting has the potential to affect the project schedule.

Evolving SWM Criteria: VDOT stormwater management (SWM) criteria are evolving rapidly. Recent modifications in state law and agreements with the Department of Conservation and Recreation (DCR) are leading to more stringent SWM criteria for roadways. SWPA 12-01 is the primary recent change in criteria that affects the Project's design and the milestones for this project define it as a Category 2 activity. Therefore, the project must use reasonable and feasible stormwater Best Management Practices (BMPs) to do as much as possible to treat both new and existing impervious areas within the right of way for the project. Going beyond the right of way presented at the Public Hearing could jeopardize the FONSI. Temporary and permanent easements are not shown on the RFQ plans but their acquisition for larger ponds, stream

restoration, erosion and sediment control, or for improving outfalls to meet MS-19 requirements could affect the project cost and schedule.

- **Mitigation**

The Team proposes the following actions to mitigate risks due to permitting and water quality:

- The Team will meet with USACE and DEQ early in the design process to discuss avoidance and minimization strategies and the mitigation or compensation for wetland and stream impacts. These agencies will need to be engaged early and often in the process to ensure that the permits are issued expeditiously. Our goal is to avoid putting permitting on a critical path for the schedule and to avoid delays. By coordinating early in the process with the regulatory agencies and avoiding and minimizing impacts to jurisdictional waters, the Team will mitigate the risk of project delays due to the environmental permits.
- The Team will strive to avoid or minimize impacts to wetlands and streams. Staff from the Contractor, Designer, and environmental permit specialists will work in concert to develop avoidance and mitigation strategies which could include:
 - On-site stream restoration using our in-house design expertise.
 - Replace conceptual ponds in wetlands with other smaller footprint BMPs such as grass swales.
 - Use approved commercial mitigation banks within the watershed.
- The Team, including EEE and JMT drainage experts, has been working closely with the State Stormwater Program Administrator, Roy Mills, and the Culpeper District Hydraulics Engineer (on the Route 29 design Build) as SWM criteria have been evolving. Recent experience on other nearby projects is beginning to help resolve the risks described above. Specific mitigation items that will be considered for this project include:
 - Hold early meetings with VDOT Hydraulics (and maintenance) staff to outline guidelines for analyses and design.
 - Develop early conceptual designs to direct geotechnical investigations to locate rock, soil, and groundwater constraints.
 - Quickly conduct comprehensive MS-19 analyses to resolve outfall designs.
 - Coordinate erosion and sediment control measures with long-term drainage features.
 - Conduct scheduled meetings and over-the-shoulder reviews to quickly foresee and resolve design and constructability decisions including input from VDOT and relevant agencies.
 - Adapt concepts and facilities that have proven to be successful on other projects including those from other jurisdictions such as extensive use of vegetated swales in the median and on shoulders.
 - Prepare full documentation of the decision process to facilitate DCR concurrence in the permit process.

- **VDOT's Role**

The Team anticipates that VDOT will provide timely reviews of the water quality plans developed by the Team. Where appropriate, VDOT will help coordinate with outside agencies and 3rd party stakeholders; this could include assistance in resolving SWM criteria with DCR and stream impacts with the USACE and DEQ. Easements will be acquired in accordance with VDOT procedures and with VDOT participation when required. Environmental permitting agencies (including the DEQ and USACE, and potentially the Virginia Marine Resources Commission) will issue permits to the Team for the project due to the stream and wetland impacts. Because an Individual Permit is likely to be needed from the USACE and DEQ, these agencies will need to be engaged early and often in the process to ensure that the permits are issued expeditiously.

APPENDIX 3.1.2 **SOQ CHECKLIST & CONTENTS**



ATTACHMENT 3.1.2

Project: 0003-023-107, P101, R201, C501

STATEMENT OF QUALIFICATIONS CHECKLIST AND CONTENTS

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

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

ATTACHMENT 3.1.2

Project: 0003-023-107, P101, R201, C501

STATEMENT OF QUALIFICATIONS CHECKLIST AND CONTENTS

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

ATTACHMENT 3.1.2

Project: 0003-023-107, P101, R201, C501

STATEMENT OF QUALIFICATIONS CHECKLIST AND CONTENTS

Statement of Qualifications Component	Form (if any)	RFQ Cross reference	Included within 15-page limit?	SOQ Page Reference
Key Personnel Resume – Lead Utility Coordination Manager	Attachment 3.3.1	Section 3.3.1.5	no	4/Appendix Tab 3.3.1
Key Personnel Resume – Right of Way Manager	Attachment 3.3.1	Section 3.3.1.6	no	5/Appendix Tab 3.3.1
Organizational chart	NA	Section 3.3.2	yes	7
Organizational chart narrative	NA	Section 3.3.2	yes	5-6
Experience of Offeror's Team				8-11
Lead Contractor Work History Form	Attachment 3.4.1(a)	Section 3.4	no	Appendix Tab 3.4.1
Lead Designer Work History Form	Attachment 3.4.1(b)	Section 3.4	no	Appendix Tab 3.4.1
Project Risk				12-15
Identify and discuss three critical risks for the Project	NA	Section 3.5.1	yes	12-15

APPENDIX 2.10 **C-78-RFQ**



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

RFQ NO. C00014657DB56
 PROJECT NO.: 0003-023-107, P101, R201, C501

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 12/04/2012
(Date)
2. Cover letter of RFQ Addendum No. 1 01/11/2013
(Date)
3. Cover letter of _____
(Date)

 1/14/13
 SIGNATURE DATE

APPENDIX 3.2.6 **AFFILIATED/SUBSIDIARY COMPANIES**



APPENDIX 3.2.7 **DEBARMENT FORMS**



ATTACHMENT NO. 3.2.7(a)

**CERTIFICATION REGARDING DEBARMENT
PRIMARY COVERED TRANSACTIONS**

Project No.: 0003-023-107, P101, R201, C501

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

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

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

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

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

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

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

Michael P. Hayes 12/19/12 Vice President
Signature Date Title

Branch Highways, Inc.
Name of Firm

ATTACHMENT NO. 3.2.7(b)

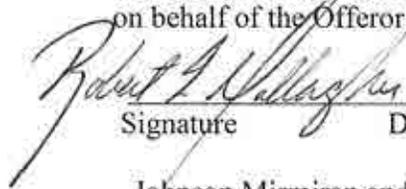
**CERTIFICATION REGARDING DEBARMENT
LOWER TIER COVERED TRANSACTIONS**

Project No.: 0003-023-107, P101, R201, C501

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

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

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



January 25, 2012

Senior Vice President

Signature

Date

Title

Johnson Mirmiran and Thompson

Name of Firm

ATTACHMENT NO. 3.2.7(b)

**CERTIFICATION REGARDING DEBARMENT
LOWER TIER COVERED TRANSACTIONS**

Project No.: 0003-023-107, P101, R201, C501

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

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

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



Signature

January 21, 2013

Date

President

Title

NXL Construction Services, Inc.

Name of Firm

ATTACHMENT NO. 3.2.7(b)

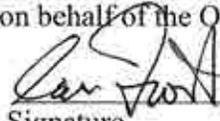
**CERTIFICATION REGARDING DEBARMENT
LOWER TIER COVERED TRANSACTIONS**

Project No.: 0003-023-107, P101, R201, C501

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

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

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



January 14, 2013

President

Signature

Date

Title

EEE Consulting, Inc.

Name of Firm

ATTACHMENT NO. 3.2.7(b)

**CERTIFICATION REGARDING DEBARMENT
LOWER TIER COVERED TRANSACTIONS**

Project No.: 0003-023-107, P101, R201, C501

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

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

Edward G. Drake January 21, 2013 Principal
Signature Date Title

Schnabel Engineering Consultants, Inc.
Name of Firm

ATTACHMENT NO. 3.2.7(b)

**CERTIFICATION REGARDING DEBARMENT
LOWER TIER COVERED TRANSACTIONS**

Project No.: 0003-023-107, P101, R201, C501

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

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

 _____
Signature Date 1/23/13 Title President

Hassan Water Resources, PLC

Name of Firm

ATTACHMENT NO. 3.2.7(b)

CERTIFICATION REGARDING DEBARMENT
LOWER TIER COVERED TRANSACTIONS

Project No.: 0003-023-107, P101, R201, C501

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

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

<u>Michael D. Poffey</u>	<u>1/20/13</u>	<u>Vice President</u>
Signature	Date	Title
<u>ECS Mid-Atlantic, LLC</u>		
Name of Firm		

ATTACHMENT NO. 3.2.7(b)

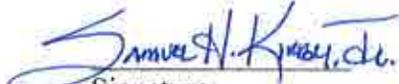
**CERTIFICATION REGARDING DEBARMENT
LOWER TIER COVERED TRANSACTIONS**

Project No.: 0003-023-107, P101, R201, C501

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

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

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


Signature

1/23/2013

Date

President

Title

Froehling & Robertson, Inc.

Name of Firm

ATTACHMENT NO. 3.2.7(b)

**CERTIFICATION REGARDING DEBARMENT
LOWER TIER COVERED TRANSACTIONS**

Project No.: 0003-023-107, P101, R201, C501

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

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

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

[Signature] 1.22.13 *President*
Signature Date Title

Sharp & Company, Inc.
Name of Firm

APPENDIX 3.2.8 **VDOT PREQUALIFICATION**





COMMONWEALTH OF VIRGINIA



CERTIFICATE OF QUALIFICATION

BRANCH HIGHWAYS, INC.

Vendor Number: **B319**

In accordance with the Regulations of the Virginia Department of Transportation, you are hereby notified that the following Rating and Classifications have been assigned to you by the Commissioner:

PREQUALIFIED

Work Classes: GRADING; MAJOR STRUCTURES; UNDERGROUND UTILITIES

Issue Date: 02/29/2012

This Rating and Classification will Expire: 02/28/2013

Suzanne FR Lucas Prequalification Officer

Don E. Silies, State Contract Officer

APPENDIX 3.2.9 **EVIDENCE OF OBTAINING BONDING**



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

Employee Owned



Est. 1864

Charlotte
Greensboro
Knoxville
Lynchburg
Nashville
Raleigh
Richmond

December 20, 2012

Mr. Joseph A. Clarke, P.E.
Alternate Project Delivery Office
Virginia Department of Transportation
1401 East Broad Street
Annex Building, 8th Floor
Richmond, VA 23219

Re: Branch Highways, Inc.
Project: Route 3 Widening
State Project No.: 0003-023-107,P101,R201,C501
Federal Project No.: STP-023-7(024)
Contract ID No.: C00014657DB56

Dear Mr. Clarke:

Branch Highways, Inc. has been a client of The Hartford Insurance Group for nearly 20 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 \$750,000,000.

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,

A handwritten signature in blue ink that reads "Theresa S. Stump".

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

APPENDIX 3.2.10 **SCC & DPOR DOCUMENTATION**



ATTACHMENT 3.2.10

State Project No. 0003-023-107, P101, R201, C501

SCC and DPOR Information

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

Business Name	SCC Information (3.2.10.1)			DPOR Information (3.2.10.2)			DPOR Expiration Date
	SCC Number	SCC Type of Corporation	SCC Status	DPOR Registered Address	DPOR Registration Type	DPOR Registration Number	
Branch Highways, Inc.	0295618-3	Corporation	Active	P.O. Box 40004 Roanoke, VA 24022	Class A Contractor	2701-029434A	3/31/2013
Johnson Mirmiran and Thompson	F149901-3	Corporation	Active	9201 Arboretum Pkwy Suite 310 Richmond, VA 23236	ENG/LS	0411 000029	02/28/14
				13921 Park Center Rd Herndon, VA 20171	ENG	0411 000441	02/28/14
				272 Bendix Rd Suite 260 Virginia Beach, VA 23452	LS/ENG	0411 000440	02/28/14
				72 Loveton Circle Sparks, MD 21152	LA/ARC/ ENG/LS	0407 001314	12/31/13
NXL Construction Services, Inc.	03497427	Corporation	Active	114 E. Cary Street / Ste. 200 Richmond, VA 23219	ENG, LS	0407003031	12/31/13
NXL Construction Services, Inc.	03497427	Corporation	Active	2870-C South Main Street Harrisonburg, VA 22801	ENG, LS	0411000678	02/28/14

ATTACHMENT 3.2.10

State Project No. 0003-023-107, P101, R201, C501

SCC and DPOR Information

ECS - Mid-Atlantic, LLC	S120821-6	LLC	Active	915 Maple Grove Drive, Ste 206 Fredericksburg, VA 22407	Professional Engineering	0411000383	02/28/2014
Schnabel Engineering Consultants, Inc.	07126741	Corporation	Active	One Cary Street, Richmond, VA 23220	ENG	0411 000700	2/28/14
EEE Consulting, Inc.	0504941-6	S-Corp	Active	8525 Bell Creek Road Mechanicsville VA 23116	ENG	0407 003798	12/31/13
Hassan Water Resources, PLC	S229328-2	Professional Liability Company	Active	2255 Parkers Hill Drive Maidens, VA 23102-2244	ENG	0413 000299	12/31/13
Froehling and Robertson, Inc.	0027211-2	Corporation	Active	3015 Dumbarton Rd. Richmond, VA 23228	ENG	0407 000098	12/31/13
Sharp & Company	F176141-2	Foreign Corporation	Active	n/a	n/a	n/a	n/a

ATTACHMENT 3.2.10

State Project No. 0003-023-107, P101, R201, C501

SCC and DPOR Information

DPOR INFORMATION FOR INDIVIDUALS (RFQ Sections 3.2.10.3 and 3.2.10.4)						
Business Name	Individual's Name	Office Location Where Professional Services will be Provided (City/State)	Individual's DPOR Address	DPOR Type	DPOR Registration Number	DPOR Expiration Date
NXL Construction Services, Inc.	Mike Saunders	Richmond, VA	4500 Litchfield Drive Chesterfield VA 23832	PE	0402 041295	12/31/13
Johnson Mirmiran and Thompson	Robert T. Gallagher	Richmond, VA	10004 Studley Farms Drive Mechanicsville, VA 23116	PE	0402 023016	01/31/14
Johnson Mirmiran and Thompson	Barry L. Jones	Richmond, VA	6289 Greystone Creek Road Mechanicsville, Va 23111	LS	0403 001315	01/31/14



SCC DOCUMENTATION



Branch Highways, Inc.



Commonwealth of Virginia
State Corporation Commission

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CISM180 CORPORATE DATA INQUIRY 01/23/13 08:40:30

Help

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Signoff

COMP ID: 0795610 - 1 STATUS: 00 ACTIVE STATUS DATE: 11/25/08
 CORP NAME: BRANCH HIGHWAYS, INC.
 DATE OF CERTIFICATE: 11/25/1994 PERIOD OF DURATION: INDUSTRY CODE: 00
 STATE OF INCORPORATION: VA VIRGINIA STOCK INDICATOR: S STOCK
 MERGE IND: CONVERSION/DOMESTICATION IND:
 GOOD STANDING IND: 1 MONITOR INDICATOR:
 CHARTER FEE: MON NO: MON STATUS: MONITOR DTE:
 N/A NAME: MELNIE F WHEELER



View SCCAlerts

STREET: 442 SWINERFORD AVE SE AS-RIS MAIL
 CITY: ROANOKE STATE: VA ZIP: 24014
 R/A STATUS: 2 OFFICER EFF DATE: 01/21/08 LOC: 217
 ACCEPES ARE: 212 17 8031 DATE: 11/21/12 ROANOKE CITY
 CURRENT ARE: 212 17 8031 DATE: 11/21/12 STATUS: A ASSESSMENT INDICATOR: 0

YEAR	FEES	PENALTY	INTEREST	TAXES	BALANCE	TOTAL SHARES
12	100.00					5,000

Click has changed to enhance its navigation.
 Click on menu items or buttons to select and perform functions. You may also use function keys
 as indicated. Function key usage varies depending on the Application Screen.
 Please refer to [Function Key Documentation](#) for details.

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Commonwealth of Virginia



STATE CORPORATION COMMISSION

Richmond, November 25, 1986

This is to Certify that the certificate of incorporation of
BRANCH HIGHWAYS, INC.

*was this day issued and admitted to record in this office
and that the said corporation is authorized to transact its
business subject to all the laws of the State applicable to the
corporation and its business.*



State Corporation Commission

George M. Bryant,
Clerk of the Commission

Johnson Mirmiran and Thompson, Inc.



Commonwealth of Virginia
State Corporation Commission

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Virginia.gov

SCC Clerk's Information System 01/23/12 06:41:58

CEN0100 CORPORATE DATA INQUIRY

Help CORE ID: 01902 - 3 STATUS: 00 ACTIVE EXPIRE DATE: 10/17/04

Print CORP NAME: Johnson, Mirmiran & Thompson, Inc.

Signoff DATE OF CERTIFICATE: 10/17/2004 PERIOD OF FORFEITURE: INDUSTRY CODE: 70
STATE OF INCORPORATION: 00 MARYLAND STOCK INDICATOR: 3 STOCK
MERGER IND: CONVERSION/DOMESTICATION IND:
GOOD STANDING IND: 0 ACQUISITION INDICATOR:
STARTED FEE: 00.00 WORKING: WORK STATUS: WORKING SIFI:
R/A NAME: ROBERT SALLAGHER

View SCC file STREET: 6201 ARDENWICH SKY SUE 140 AA RES MAIL

CITY: RICHMOND STATE: VA ZIP: 23234
R/A STATUS: 2 OFFICER EFF. DATE: 09/06/07 LOC: 120
ACCEPTED ABR: 212 00 1700 DATE: 05/21/12 CHESTERFIELD CO
CURRENT ABR: 211 00 1700 DATE: 05/21/12 STATUS: A ASSESSMENT INDICATOR: 0

YEAR	FEES	PENALTY	INTEREST	TAXES	SALANCE	TOTAL DUES
12	100.00					1,000

CEN has changed to enforce its acquisition.
 Click on menu items or buttons to search and perform functions. You may also use function keys as typed. Use the key usage series depending on the Application Screen.
 Please refer to [Function Key Documentation](#) for details.
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Commonwealth of Virginia



STATE CORPORATION COMMISSION

Richmond, February 8, 2002

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

Johnson, Mirmiran & Thompson, Inc.

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



State Corporation Commission

Attest:

Joel H. Beck

Clerk of the Commission

Commonwealth OF Virginia



State Corporation Commission

CERTIFICATE OF GOOD STANDING

I Certify the Following from the Records of the Commission:

That Johnson, Mirmiran & Thompson, Inc., a corporation incorporated under the law of Maryland, is authorized to transact business in the Commonwealth of Virginia;

That it obtained a certificate of authority to transact business in Virginia from the Commission on October 17, 2006; and

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

Nothing more is hereby certified.



Signed and Sealed at Richmond on this Date:

October 24, 2012

Joel H. Peck

Joel H. Peck, Clerk of the Commission

Commonwealth OF Virginia



State Corporation Commission

I Certify the Following from the Records of the Commission:

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

The date of incorporation is November 17, 1989.

Nothing more is hereby certified.



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

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

Commonwealth OF Virginia



State Corporation Commission

I Certify the Following from the Records of the Commission:

A duly attested copy of a certificate setting forth that NXL Construction Co., Inc. conducts business in Virginia under the assumed or fictitious name of NXL CONSTRUCTION SERVICES, INC. was filed in the Clerk's Office of the Commission on September 16, 1992.

Nothing more is hereby certified.



*Signed and Sealed at Richmond on this Date:
July 29, 2009*

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



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Information
System

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LLC03020 LLC DATA INQUIRY 01/22/13

LLC ID: 03020 - 8 STATUS: 00 - ACTIVE STATUS DATE: 06/16/04

LLC NAME: ECS - Mid-Atlantic, LLC

DATE OF FILING: 06/16/04 PERIOD OF DURATION: INDUSTRY CODE: 00

STATE OF FILING: VA VIRGINIA JURISDICTION:

CONTINUATION/DOMESTICATION INDICATOR:

PRINCIPAL OFFICE - ADDRESS

STREET: 1402A INDEPENDENT BL STE 100

CITY: CHANTILLY STATE: VA ZIP: 20151-0000

REGISTERED - ADDRESS INFORMATION

R/A NAME: JAMES A EBERT

STREET: 1402A INDEPENDENT BL STE 100

R/A NAME:

CITY: CHANTILLY STATE: VA ZIP: 20151-0000

R/A STATUS: 1 QTS OF CURR R/A EFF DATE: 06/16/04 LOC: 178 FEES: 00000

YEAR FEES PENALTY INTEREST SALARY

12 00.00

City has changed in column 24, jurisdiction.
Click on menu items or letters to select and perform functions. You may also use familiar keys
as labeled. Function key usage varies depending on the Application Screen.
Please refer to [Function Key Documentation](#) for details.
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Commonwealth of Virginia



STATE CORPORATION COMMISSION

Richmond, April 16, 2004

This is to certify that the certificate of organization of

**Engineering Consulting Services - Mid-Atlantic,
LLC**

was this day issued and admitted to record in this office and that the said limited liability company is authorized to transact its business subject to all Virginia laws applicable to the company and its business. Effective date: April 16, 2004



State Corporation Commission

Attest:

Joel H. Beck
Clerk of the Commission

COMMONWEALTH OF VIRGINIA
STATE CORPORATION COMMISSION

AT RICHMOND, AUGUST 5, 2004

The State Corporation Commission has found the accompanying articles submitted on behalf of

ECS - Mid-Atlantic, LLC
(formerly known as Engineering Consulting Services - Mid-Atlantic, LLC)

to comply with the requirements of law, and confirms payment of all required fees. Therefore, it is ORDERED that this

CERTIFICATE OF AMENDMENT

be issued and admitted to record with the articles of amendment in the Office of the Clerk of the Commission, effective August 5, 2004.

STATE CORPORATION COMMISSION

By



Commissioner

04-07-21-4045
LLAACPT
CIS0436



Commonwealth of Virginia
State Corporation Commission

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SCC Clerk's Information System 01/22/13 12:14:38

CORPORATE DATA INQUIRY

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CORP ID: 050444 - 4 STATUS: 00 ACTIVE STATUS DATE: 00/06/04
 CORP NAME: EEE CONSULTING, INC.

DATE OF CERTIFICATE: 06/29/1999 PERIOD OF ORATION: INDUSTRY CODE: 00
 STATE OF INCORPORATION: VA VIRGINIA STOCK INDICATOR: S STOCK
 MERGER IND: CONVERSION/DOMESTICATION IND:
 GOOD STANDING IND: Y MONITOR INDICATOR:
 COUNTER FEE: 00.00 NON NV: MON STATUS: MONITOR DTL:
 S/A NAME: CC CORPORATION SYSTEM

STREET: 4751 COW RD STE 201 RR NEW HALL

CITY: GLEN ALLEN STATE: VA ZIP: 23060
 S/A STATUS: S S, R AUTH PR VT EFF DATE: 01/19/11 LOC: 1A1

ACCEPTED ARE: 212 21 4099 DATE: 06/27/11 HENRICO COUNTY
 CURRENT ARE: 212 21 4094 DATE: 06/27/11 STATUS: S ASSESSMENT INDICATOR: S

YEAR	TAXES	FINALLY	INTEREST	TAXES	BALANCE	TOTAL FINANCE
12	100.00					3,000

CFR has changed its software description.
 Click on menu items or buttons to select and perform functions. You may also use function keys as listed. Function key usage varies depending on the Application Screen.
 Please refer to [Function Key Documentation](#) for details.
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Commonwealth of Virginia



STATE CORPORATION COMMISSION

Richmond, June 23, 1998

This is to Certify that the certificate of incorporation of

EEE Consulting, Inc.

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

June 23, 1998



State Corporation Commission

William J. Bridge
Clerk of the Commission

Schnabel Engineering Consultants, Inc.



Commonwealth of Virginia
State Corporation Commission

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SCC Clerks' Information System 01/23/11 12:20:48

CIDN100 CORPORATE DATA INQUIRY

COMP ID: 0212478 - 1 STATUS: 00 ACTIVE STATUS DATE: 09/12/88

CORP NAME: Schnabel Engineering Consultants, Inc.

DATE OF IDENTIFICATION: 08/12/2008 PERIOD OF DURATION: INDUSTRY CODE: 90

STATE OF INCORPORATION: VA VIRGINIA STOCK INDICATOR: 3 STOCK

MERCH ISU: CORPORATION/DOMESTICATION IND.

GOOD STANDING IND: F MONITOR INDICATOR:

CHARTER FEE: \$0.00 NOR NO: NOR STATUS: MONITOR DTE:

R/A NAME: CT CORPORATION SYSTEM

STREET: 8701 COX RD STE 310 RR RTN MAIL

CITY: GLEN ALLEN STATE: VA ZIP: 23060 4602

A/A STATUS: 8 S.E. AUTH IN VI EFF. DATE: 06/16/11 LOC: 143

ACCEPTED AM: 212 02 7400 DATE: 07/23/11 RESURCO DUNGEY

CURRENT AM: 212 02 7400 DATE: 07/23/11 STATUS: A ASSESSMENT INDICATOR: 0

YEAR	FERS	SECALTY	INTEREST	TAXES	BALANCE	TOTAL SHARES
11	100.00					50,000

EIE has changed to enhance its navigation.
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 function keys as labeled. Function key usage varies depending on the Application
 Screen.
 Please refer to [Function Key Documentation](#) for details.
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Commonwealth of Virginia



STATE CORPORATION COMMISSION

Richmond, August 12, 2009

This is to certify that the certificate of incorporation of

Schnabel Consultants, Inc.

was this day issued and admitted to record in this office and that the said corporation is authorized to transact its business subject to all Virginia laws applicable to the corporation and its business. Effective date: August 12, 2009



State Corporation Commission

Attest:

Joel H. Peck
Clerk of the Commission

Commonwealth of Virginia



State Corporation Commission

I Certify the Following from the Records of the Commission:

Schnabel Engineering Consultants, Inc. is a corporation existing under and by virtue of the laws of Virginia, and is in good standing.

The date of incorporation is August 12, 2009.

Nothing more is hereby certified.



*Signed and Sealed at Richmond on this Date:
November 17, 2009*

Joel H. Peck

Joel H. Peck, Clerk of the Commission

COMMONWEALTH OF VIRGINIA
STATE CORPORATION COMMISSION

AT RICHMOND, NOVEMBER 12, 2009

The State Corporation Commission has found the accompanying articles submitted on behalf of
Schnabel Engineering Consultants, Inc. (formerly Schnabel Consultants,
Inc.)

to comply with the requirements of law, and confirms payment of all required fees. Therefore, it
is ORDERED that this

CERTIFICATE OF AMENDMENT

be issued and admitted to record with the articles of amendment in the Office of the Clerk of the
Commission, effective November 12, 2009.

The corporation is granted the authority conferred on it by law in accordance with the articles,
subject to the conditions and restrictions imposed by law.

STATE CORPORATION COMMISSION

By



Commissioner

Hassan Water Resources, PLC



Commonwealth of Virginia
State Corporation Commission

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SCC Clerk's Information System

01/23/13 12:31:42

LLC63220 LLC DATA INQUIRY

LLC ID: 0229028 - 2 STATUS: 00 ACTIVE STATUS DATE: 07/14/09

LLC NAME: Hassan Water Resources, PLC

DATE OF FILING: 07/14/2007 PERIOD OF DURATION: INDUSTRY CODE: 70

STATE OF FILING: VA VIRGINIA MERGER INDICATOR:

CONVERSION/DOMESTICATION INDICATOR:

PRINCIPAL OFFICE ADDRESS:

STREET: 2255 BARKERS HILL DR

CITY: MAIDENS STATE: VA ZIP: 23102-0000

REGISTERED AGENT INFORMATION

R/A NAME: GHAL E HASSAN

STREET: 2255 BARKERS HILL DR

RUN MAIL:

CITY: MAIDENS STATE: VA ZIP: 23102-0000

R/A STATUS: 1 MEMBER/MANAGER EFF DATE: 05/04/10 LOC: 197 GOOCHLAND COURT

YEAR	FEES	PENALTY	INTEREST	BALANCE
12	50.00			

EIS has changed to enhance its navigation. Click on menu items or buttons to select and perform functions. You may also use function keys as labeled. Function key usage varies depending on the Application Screen. Please refer to [Function Key Documentation](#) for details.



Visit SCCeFile:

Commonwealth of Virginia



STATE CORPORATION COMMISSION

Richmond, July 16, 2007

This is to certify that the certificate of organization of

Hassan Water Resources, PLC

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



State Corporation Commission

Attest:

Joel H. Beck
Clerk of the Commission



Commonwealth of Virginia
State Corporation Commission

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SCC Clerk's Information System

01/23/13 12:34:13

CISMBING CORPORATE DATA INQUIRY

CORP ID: **0176141** - 2 STATUS: 00 ACTIVE STATUS DATE: 01/04/13

CORP NAME: **SHARP & COMPANY INCORPORATED**

DATE OF CERTIFICATE: 07/23/2008 PERIOD OF DURATION: INDUSTRY CODE: 00
 STATE OF INCORPORATION: MD MARYLAND STOCK INDICATOR: S STOCK
 MERGERS IND: CONVERSION/CONVEGICATION IND:
 GOOD STANDING IND: Y MONITOR INDICATOR:
 CHARTER FEE: \$0.00 MGR NO: MGR STATUS: MONITOR DTE:
 R/A NAME: KAREN A JONES

STREET: 20TH DOWN JACKSON PLC AR RTH MAIL:
 8200 GREENSBORO DR STE 920
 CITY: MIDDLEBURY STATE: VA ZIP: 22109

R/A STATUS: 4 ATTORNEY EFF. DATE: 10/02/10 LOC: 125
 ACCEPTED ARA: 213 01 7006 DATE: 01/04/13 SAIRFAX COUNTY
 CURRENT ARA: 213 01 7006 DATE: 01/04/13 STATUS: A ASSESSMENT INDICATOR: 0

YEAR	FEES	PENALTY	INTEREST	TAXES	BALANCE	TOTAL DUES
13	130.00					10,900

LIS has changed to enhance its navigation. Click on menu items or buttons to select and perform functions. You may also use function keys as labeled. Function key usage varies depending on the Application Screen.
 Please refer to [Function Key Documentation](#) for details.
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[Print](#)
[Signoff](#)

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Commonwealth OF Virginia



State Corporation Commission

I Certify the Following from the Records of the Commission:

SHARP & COMPANY OF VIRGINIA, INCORPORATED (USED IN VA BY: SHARP & COMPANY INCORPORATED), a corporation incorporated under the laws of MARYLAND is authorized to transact business in Virginia and is in good standing. It obtained a certificate of authority from the Commission on July 23, 2008.

Nothing more is hereby certified.



*Signed and Sealed at Richmond on this Date:
November 1, 2010*

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

Froehling & Robertson, Incorporated



Commonwealth of Virginia
State Corporation Commission

SCC Home | Contact SCC | Site Map | Search



Virginia.gov

SCC Clerk's Information System 01/23/13 12:43:18

CIRMD100 CORPORATE DATA INQUIRY

COOP ID: 0022241 - 2 STATUS: 00 ACTIVE STATUS DATE: 11/13/03
 CORP NAME: FROEHLING & ROBERTSON, INCORPORATED
 DATE OF CERTIFICATE: 10/11/1914 PERIOD OF DURATION: _____ INDUSTRY CODE: 00
 STATE OF INCORPORATION: VA VIRGINIA STOCK INDICATOR: S STOCK
 MERGER IND: _____ CONVERSION/DOMESTICATION IND: _____
 GOOD STANDING IND: Y MONITOR INDICATOR: _____
 CHARTER FEE: 2480.00 MON NO: _____ MON STATUS: MONITOR DES: _____
 R/A NAME: WILLIAM H HOOPERJAGLE III
 STREET: 1906 ONE JAMES CENTER 32 5TH FLOOR
 301 E CARY ST
 CITY: RICHMOND STATE: VA ZIP: 23218
 R/A STATUS: 4 ATTORNEY EFF. DATE: 09/21/11 LOC: 216
 ACCEPTED AM: 212 14 0123 DATE: 09/29/12 RICHMOND CITY
 CURRENT AM: 212 14 0123 DATE: 09/29/12 STATUS: A ASSESSMENT INDICATOR: 0
 YEAR FEE PENALTY INTEREST TAXES BALANCE TOTAL SHARES
 12 1,700.00 \$,100,000

CDS has changed to enhance its navigation.
 Click on menu items or buttons to select and perform functions. You may also use function keys as labeled. Function key usage varies depending on the Application Screen.
 Please refer to [Function Key Documentation](#) for details.
 (www.scc.com/va/eam)

Commonwealth of Virginia



State Corporation Commission

I Certify the Following from the Records of the Commission:

FROEHLING & ROBERTSON, INCORPORATED, (Entity ID# 0027211-2), is a stock corporation existing under and by virtue of the laws of Virginia, and is in good standing.

The date of incorporation is October 11, 1924.

Nothing more is hereby certified.



*Signed and Sealed at Richmond on this Date:
August 13, 2009*

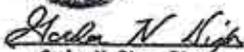
Joel H. Peck
Joel H. Peck, Clerk of the Commission



OFFICE DPOR DOCUMENTATION



Branch Highways, Inc.

DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION		
COMMONWEALTH OF VIRGINIA		
EXPIRES ON 03-31-2013	9900 Mayland Dr., Suite 400, Richmond, VA 23233 Telephone: (804) 367-6500	NUMBER 2701 029434A
BOARD FOR CONTRACTORS		
CLASS A CONTRACTORS LICENSE		
BRANCH HIGHWAYS INC		
PO BOX 40004 ROANOKE VA 24022 0004		
CLASSIFICATIONS SDS H/H		 Gordon N. Dizon, 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>		

Virginia.gov Online Services / Agencies / Governor / Help Search Virginia.gov

DPO
Department of Professional Occupations & Occupations Resources

Home > License Lookup > License Lookup & Disciplinary Action

APPLICANTS >>>
LICENSEES >>>
CONSUMERS >>>

Download Search

License Lookup

Categories & Services
Boards
Professionals & Occupations
Forms & Applications
Fee Waiving Cities
Community Associations
Report a License
Records & Documents
News & Information
About DPO
Contact

Details of license number 2701029434

Name:	BRANCH HIGHWAYS (INC)
License Number:	2701029434
License Description:	Contractor (Class A)
Class Definition:	Contractor
Business Type:	Corporation
Address:	442 RUTHERFORD AVE ROANOKE, VA 24016
Specialties/Classifications/Classification Expirations:	<ul style="list-style-type: none"> • HIGHWAY - HEAVY • SEWAGE DISPOSAL SYSTEMS
Initial Certification Date:	March 22, 1987
Expiration Date:	March 31, 2013

Print

Complaints

No Open Complaints

"Open Complaints" reflect only those complaints against registrants for which a departmental investigation has determined that sufficient evidence exists to establish probable cause of a violation of the law or regulations. Only those cases that have proceeded through an investigation to the adjudication stage are displayed. **State law prohibits the disclosure of any information about open complaints** (Code of Virginia Section 54.1-103). Members of the public may review official records and obtain copies only after a complaint investigation is closed.

No Closed Complaints

"Closed Complaints" reflect complaints against registrants closed since 1990. Cases closed without disciplinary action are purged after three years in accordance with DPO's record retention policy.

To inquire about closed complaints, see the department's Public Record Access or contact the Department's Information Management Section at (804) 367-6585 or publicrecords@dpo.virginia.gov.

Recovery Fund Claims include claims against a licensee where a judgment has been obtained for improper or dishonest conduct in a court of law. The Contractors Transaction Recovery Fund and the Real Estate Transaction Recovery Fund provide monetary relief to consumers who incur losses through the improper and dishonest conduct of a licensed contractor or licensed real estate professional. The funds are supported entirely by assessments paid by licensed contractors and licensed real estate professionals, not by any tax revenues.

Johnson Mirmiran & Thompson

DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION
COMMONWEALTH OF VIRGINIA

EXPIRES ON
02-28-2014

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

NUMBER
0411000029

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

PROFESSIONS: ENG, LS

JOHNSON, MIRMIRAN & THOMPSON, INC.
9201 ARBORETUM PKWY
SUITE 310
RICHMOND, VA 23236



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.

The screenshot shows the DPOR (Department of Professional and Occupational Regulation) website. At the top left is the DPOR logo with the text "Department of Professional and Occupational Regulation". To the right are navigation buttons for "APPLICANTS", "LICENSEES", and "CONSUMERS". Below the logo is a red banner with the text "Board of License, Licensure & Discipline Council & Temporary Activity". A left sidebar contains a "License Lookup" section with various links like "DPOR Online Services", "Boards", "Professions & Occupations", etc. The main content area displays "Details of license number 0411000029" for "JOHNSON MIRMIAN & THOMPSON INC.". It lists the license number, description, address, and dates. Below this, it shows "Complaints" with sections for "No Open Complaints" and "No Closed Complaints", each with explanatory text. At the bottom, it lists "Associated Professional Licensing Information" as "Professional Engineer License".

DPOR
Department of Professional and Occupational Regulation

APPLICANTS
LICENSEES
CONSUMERS

Board of License, Licensure & Discipline Council & Temporary Activity

License Lookup

DPOR Online Services
Boards
Professions & Occupations
Forms & Applications
Fees & Licensing Office
Community Associations
Report a Licensee
Records & Documents
News & Information
About DPOR
Contact

Details of license number 0411000029

Name: JOHNSON MIRMIAN & THOMPSON INC.
License Number: 0411000029
License Description: Business Entity Branch Office Registration
Address: 9201 ARBORETUM PKWY SUITE 110
RICHMOND, VA 23236
Initial Certification Date: March 24, 1992
Expiration Date: February 28, 2014

Complaints

No Open Complaints

"Open Complaints" reflect only those complaints for which a departmental investigation has determined that sufficient evidence exists to establish probable cause of a violation of the law or regulations. Only those cases that have proceeded through an investigation to the adjudication stage are displayed. State law prohibits the disclosure of any information about open complaints [Code of Virginia Section 54.1-108]. Members of the public may review official records and obtain copies only after a complaint investigation is closed.

No Closed Complaints

"Closed Complaints" reflect complaints closed since 1990. Cases closed without disciplinary action are purged after three years in accordance with DPOR's record retention policy.

To inquire about closed complaints, see the department's [Public Records Access](#) or contact the department's Information Management Section at (804) 367-8583 or publicrecords@dpoc.virginia.gov.

Associated Professional Licensing Information

Professional Engineer License

DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION
COMMONWEALTH OF VIRGINIA

EXPIRES ON

02-28-2014

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

NUMBER

0411000441

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

PROFESSIONS: ENG

JOHNSON MIRMIRAN & THOMPSON INC
13921 PARK CENTER RD
HERNDON, VA 20171



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.

The screenshot shows the DPOR (Department of Professional and Occupational Regulation) website. The header includes the DPOR logo and navigation links for APPLICANTS (16), LICENSEES (77), and CONSUMERS (13). A search bar is located in the top right. The left sidebar contains a menu with options like 'DPOR Online Services', 'Boards', 'Professions & Occupations', 'Firms & Associations', 'Fair Housing Office', 'Community Associations', 'Report a Licensee', 'Records & Documents', 'News & Information', 'About DPOR', and 'Contact'. The main content area displays 'Details of license number 0411000441' for JOHNSON MIRMIAN & THOMPSON INC. The license details include: Name: JOHNSON MIRMIAN & THOMPSON INC.; License Number: 0411000441; License Description: Business Entity Branch Office Registration; Address: 13921 PARK CENTER RD, HERNDON, VA 20171; Initial Certification Date: March 6, 2006; and Expiration Date: February 28, 2014. Below the details, there are sections for 'Complaints', showing 'No Open Complaints' and 'No Closed Complaints'. A disclaimer states that 'Open Complaints' reflect only those for which a departmental investigation has determined sufficient evidence exists to establish probable cause of a violation. A note about closed complaints mentions that cases closed without disciplinary action are purged after three years. At the bottom, there is a section for 'Associated Professional Licensing Information' which lists 'Professional Engineer License'.

APPLICANTS 16
LICENSEES 77
CONSUMERS 13

DPOR
Department of Professional and Occupational Regulation

Home | License Lookup | License Listing & Reciprocity Affairs

SEARCH BY LICENSE NUMBER

License Lookup

DPOR Online Services
Boards
Professions & Occupations
Firms & Associations
Fair Housing Office
Community Associations
Report a Licensee
Records & Documents
News & Information
About DPOR
Contact

Details of license number 0411000441

Name: JOHNSON MIRMIAN & THOMPSON INC.
License Number: 0411000441
License Description: Business Entity Branch Office Registration
Address: 13921 PARK CENTER RD
HERNDON, VA 20171
Initial Certification Date: March 6, 2006
Expiration Date: February 28, 2014

Complaints

No Open Complaints

"Open Complaints" reflect only those complaints for which a departmental investigation has determined that sufficient evidence exists to establish probable cause of a violation of the law or regulations. Only those cases that have proceeded through an investigation to the adjudication stage are displayed. State law prohibits the disclosure of any information about open complaints (Code of Virginia Section 54.1-106). Members of the public may review official records and obtain copies only after a complaint investigation is closed.

No Closed Complaints

"Closed Complaints" reflect complaints closed since 1990. Cases closed without disciplinary action are purged after three years in accordance with DPOR's record retention policy.

To inquire about closed complaints, see the department's Public Records Access or contact the department's Information Management Section at (804) 367-8383 or publicrecords@dpor.virginia.gov.

Associated Professional Licensing Information

Professional Engineer License

Johnson Mirmiran & Thompson

DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION
COMMONWEALTH OF VIRGINIA

EXPIRES ON
02-28-2014

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

NUMBER
0411000440

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

PROFESSIONS: LS, ENG

JOHNSON MIRMIRAN & THOMPSON INC
272 BENDIX ROAD
SUITE 260
VIRGINIA BEACH, VA 23452



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.

The screenshot shows the DPOR (Department of Professional and Occupational Regulation) website. The header includes the DPOR logo and navigation links for Applicants, Licensees, and Consumers. A breadcrumb trail indicates the current page is 'License Lookup & Directory Access'. A left sidebar contains various service links. The main content area displays the details for license number 0411000440, including the licensee's name, license number, description, address, and certification dates. Below the details, there are sections for 'Complaints' showing 'No Open Complaints' and 'No Closed Complaints', with explanatory text for each. At the bottom, there is a section for 'Associated Professional Licensing Information' which lists 'Land Surveyor License'.

DPOR
Department of Professional and Occupational Regulation

APPLICANTS >>
LICENSEES >>
CONSUMERS >>

Home > License Lookup & Directory Access

Home > License Lookup & Directory Access

DPOR Online Services
Boards
Professions & Occupations
Forms & Applications
Fair Housing Office
Community Associations
Report a Licensee
Records & Documents
News & Information
About DPOR
Contact

Details of license number 0411000440

Name:	JOHNSON MIRMIAN & THOMPSON INC.
License Number:	0411000440
License Description:	Business Entity Branch Office Registration
Address:	272 BENDIX ROAD SUITE 260 VIRGINIA BEACH, VA 23452
Initial Certification Date:	March 6, 2006
Expiration Date:	February 28, 2014

Complaints

No Open Complaints

Open Complaints reflect only those complaints for which a departmental investigation has determined that sufficient evidence exists to establish probable cause of a violation of the law or regulations. Only those cases that have proceeded through an investigation to the adjudication stage are displayed. **State law prohibits the disclosure of any information about open complaints** (Code of Virginia Section 54.1-108). Members of the public may review official records and obtain copies only after a complaint investigation is closed.

No Closed Complaints

Closed Complaints reflect complaints closed since 1990. Cases closed without disciplinary action are purged after three years in accordance with DPOR's record retention policy.

To inquire about closed complaints, see the department's [Public Records Access](#) or contact the department's Information Management Section at (804) 367-8583 or publicrecords@dpor.virginia.gov.

Associated Professional Licensing Information

Land Surveyor License

DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION
COMMONWEALTH OF VIRGINIA

EXPIRES ON

12-31-2013

9980 Mayland Dr., Suite 400, Richmond, VA 23233
Telephone: (804) 367-8500

NUMBER

0407001314

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

PROFESSIONS: ENG, LA, ARC, LS

JOHNSON MIRMIRAN & THOMPSON INC
72 LOVETON CIRCLE
SPARKS, MD 21152



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.

The screenshot shows the DPOR (Department of Professional and Occupational Regulation) website. The top navigation bar includes links for APPLICANTS, LICENSEES, and CONSUMERS. A breadcrumb trail reads: Home > License Lookup > License Lookup & Employment Alerts. The left sidebar contains a 'License Lookup' menu with options like 'DPOR Home Services', 'Boards', 'Professions & Occupations', 'Forms & Applications', 'Fair Hearing Office', 'Community Associations', 'Report a License', 'Records & Documents', 'News & Information', 'About DPOR', and 'Contact'. The main content area displays 'Details of license number 0407001314' for JOHNSON MIRMIIRAN & THOMPSON, INC. The license details include: License Number: 0407001314; License Description: Business Entity Registration; Address: 72 LOVETON CIRCLE, SPARKS, MD 21152; Initial Certification Date: August 30, 1982; and Expiration Date: December 31, 2011. Under the 'Complaints' section, it states 'No Open Complaints' and 'No Closed Complaints'. A disclaimer explains that 'Open Complaints' reflect only those for which a departmental investigation has determined that sufficient evidence exists to establish probable cause of a violation of the law or regulations. It also notes that 'Closed Complaints' reflect complaints closed since 1990, with cases closed without disciplinary action purged after three years. For more information, users are directed to the department's Public Records Access or to contact the Information Management Section at (804) 367-8583 or publicrecords@dpor.virginia.gov. The license is identified as a 'Professional Engineer License'.

APPLICANTS >>
LICENSEES >>
CONSUMERS >>

Home > License Lookup > License Lookup & Employment Alerts

License Lookup

- DPOR Home Services
- Boards
- Professions & Occupations
- Forms & Applications
- Fair Hearing Office
- Community Associations
- Report a License
- Records & Documents
- News & Information
- About DPOR
- Contact

Details of license number 0407001314

Name: JOHNSON MIRMIIRAN & THOMPSON, INC.
License Number: 0407001314
License Description: Business Entity Registration
Address: 72 LOVETON CIRCLE
SPARKS, MD 21152
Initial Certification Date: August 30, 1982
Expiration Date: December 31, 2011

Complaints

No Open Complaints

"Open Complaints" reflect only those complaints for which a departmental investigation has determined that sufficient evidence exists to establish probable cause of a violation of the law or regulations. Only those cases that have proceeded through an investigation to the adjudication stage are displayed. **State law prohibits the disclosure of any information about open complaints** [Code of Virginia Section 54.1-100]. Members of the public may review official records and obtain copies only after a complaint investigation is closed.

No Closed Complaints

"Closed Complaints" reflect complaints closed since 1990. Cases closed without disciplinary action are purged after three years in accordance with DPOR's record retention policy.

To inquire about closed complaints, see the department's [Public Records Access](#) or contact the department's Information Management Section at (804) 367-8583 or publicrecords@dpor.virginia.gov.

Associated Professional Licensing Information

Professional Engineer License

EEE Consulting, Inc.

DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION
COMMONWEALTH OF VIRGINIA

EXPIRES ON
12-31-2013

9980 Mayland Dr., Suite 400, Richmond, VA 23233
Telephone: (804) 367-8500

NUMBER
0407003798

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

PROFESSIONS: ENG

EEE CONSULTING INC
8525 BELL CREEK RD
MECHANICSVILLE, VA 23116



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.

The screenshot shows the Virginia DPOR website interface. At the top, there is a navigation bar with 'Virginia.gov', 'Online Services', 'Apprentices', 'Consumer', and 'Help'. A search bar is located in the top right corner. Below the navigation bar is the DPOR logo and a breadcrumb trail: 'Home > License Lookup > License Lookup & Temporary Actions'. On the right side, there are three menu buttons: 'APPLICANTS >>', 'LICENSEES >>', and 'CONSUMERS >>'. Below these are 'Clear Records' and 'Search' buttons.

The main content area is titled 'License Lookup' and contains a sidebar with various links: 'Online Renewal & Services', 'Board', 'Profession & Occupations', 'Forms & Applications', 'Fee Hearing Office', 'Community Associations', 'Report a License', 'Records & Documents', 'News & Information', 'About DPOR', and 'Contact'. The main content area displays 'Details of license number 0407003798' for 'EEE CONSULTING INC'. The details include:

- Name: EEE CONSULTING INC
- License Number: 0407003798
- License Description: Business Entity Registration
- Business Type: CORP
- Address: 8525 BELL CREEK RD, MECHANICSVILLE, VA 23110
- Initial Certification Date: August 24, 1998
- Expiration Date: December 31, 2011

Below the details is a 'Complaints' section with the following text:

No Open Complaints

"Open Complaints" reflect only those complaints against registrants for which a departmental investigation has determined that sufficient evidence exists to establish probable cause of a violation of the law or regulations. Only those cases that have proceeded through an investigation to the adjudication stage are displayed. **State law prohibits the disclosure of any information about open complaints** [Code of Virginia Section 54.2-108]. Members of the public may review official records and obtain copies only after a complaint investigation is closed.

No Closed Complaints

"Closed Complaints" reflect complaints against registrants closed since 1990. Cases closed without disciplinary action are purged after three years in accordance with DPOR's record retention policy.

To inquire about closed complaints, see the department's [Public Records Access](#) or contact the department's Information Management Section at (804) 357-8383 or publicrecords@dpor.virginia.gov.

At the bottom of the page, there is a link for 'Associated Professional Licensing Information'.

Schnabel Engineering Consultants, Inc.

DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION
COMMONWEALTH OF VIRGINIA

EXPIRES ON
02-28-2014

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

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



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.

The screenshot shows the Virginia DPOR website interface. At the top, there is a navigation bar with 'Virginia.gov' and links for 'Online Services', 'Applicants', 'Consumers', and 'Help'. A search bar is located in the top right corner. Below the navigation bar is the DPOR logo and a red banner with the text 'Home & Licensee Lookup & License Lookup & Disciplinary Action'. On the right side, there are three buttons: 'APPLICANTS >>', 'LICENSEES >>', and 'CONSUMERS >>'. Below these buttons is a search bar with the text 'Enter ID# or CE' and a 'Search >' button.

The main content area is divided into a left sidebar and a main panel. The sidebar contains a 'License Lookup' section with a list of links: 'Online Renewal & Services', 'Reports', 'Professions & Occupations', 'Firms & Applications', 'Fee History & Fees', 'Community Associations', 'Report a Licensee', 'Records & Documents', 'News & Information', 'About DPOR', and 'Contact'.

The main panel displays the 'Details of license number 0411000700'. The license information is as follows:

Name:	SCHNABEL ENGINEERING CONSULTANTS INC
License Number:	0411000700
License Description:	Business Entity Branch Office Registration
Address:	ONE CARY STREET RICHMOND, VA 23220
Initial Certification Date:	January 5, 2010
Expiration Date:	February 28, 2014

Below the license details is a 'Complaints' section. It contains two sub-sections: 'No Open Complaints' and 'No Closed Complaints'. The 'No Open Complaints' section includes a paragraph explaining that open complaints reflect only those against registrants for which a departmental investigation has determined that sufficient evidence exists to establish probable cause of a violation of the law or regulations. It also states that state law prohibits the disclosure of any information about open complaints. The 'No Closed Complaints' section explains that closed complaints reflect complaints against registrants closed since 1990, and cases closed without disciplinary action are purged after three years. It provides contact information for public records requests.

At the bottom of the main panel, there is a section titled 'Associated Professional Licensing Information'.

NXL Construction Services, Inc.

DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION
COMMONWEALTH OF VIRGINIA

EXPIRES ON
12-31-2013

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

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



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.

NXL Construction Services, Inc.

The screenshot shows the Virginia DPOR website interface. At the top, there is a navigation bar with "Virginia.gov" and links for "Online Services", "Agencies", "Governor", and "Help". The DPOR logo is prominently displayed, with the text "Department of Professional and Occupational Regulation" below it. On the right side, there are buttons for "APPLICANTS", "LICENSEES", and "CONSUMERS". A search bar is located at the top right with the text "Enter keyword" and a "Search" button.

The main content area is titled "Details of license number 0407003031". It contains the following information:

Name:	NXL CONSTRUCTION CO INC
License Number:	0407003031
License Description:	Business Entity Registration
Trading Name:	NXL CONSTRUCTION SERVICES INC
Business Type:	CORP
Address:	114 E CARY ST STE 200 RICHMOND, VA 23219
Initial Certification Date:	November 8, 1991
Expiration Date:	December 31, 2013

Below the license details, there is a "Complaints" section. It states "No Open Complaints" and "No Closed Complaints". A detailed explanation of open complaints is provided: "Open Complaints" reflect only those complaints against registrants for which a departmental investigation has determined that sufficient evidence exists to establish probable cause of a violation of the law or regulations. Only those cases that have proceeded through an investigation to the adjudication stage are displayed. State law prohibits the disclosure of any information about open complaints [Code of Virginia Section 54.1-108]. Members of the public may review official records and obtain copies only after a complaint investigation is closed.

Similarly, for closed complaints: "Closed Complaints" reflect complaints against registrants closed since 1990. Cases closed without disciplinary action are purged after three years in accordance with DPOR's record retention policy.

At the bottom, there is a link to "Associated Professional Licensing Information" and a note: "To inquire about closed complaints, see the department's Public Records Access or contact the department's Information Management Section at: (804) 367-8583 or publicrecords@dpor.virginia.gov."

NXL Construction Services, Inc.

DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION
COMMONWEALTH OF VIRGINIA

EXPIRES ON
02-28-2014

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

NUMBER
0411000678

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

PROFESSIONS: ENG, LS

NXL CONSTRUCTION CO INC
NXL CONSTRUCTION SERVICES INC.
2870-C SOUTH MAIN ST.
HARRISONBURG, VA 22801



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.

NXL Construction Services, Inc.

The screenshot shows the Virginia DPOR (Department of Professional and Occupational Regulation) website. The page is titled "Details of license number 0411000678" for "NXL CONSTRUCTION CO INC". The license details include the license number, description, trading name, address, and expiration date. The page also displays a "Complaints" section with "No Open Complaints" and "No Closed Complaints".

Virginia.gov | Online Services | Agencies | Governor | Help | Search in Virginia.gov

DPOR
Department of Professional and Occupational Regulation

Home | License Lookup | License Lookup & Disciplinary Actions | STOP | MAKE

License Lookup

Online Renewal & Service

Boards

Professions & Occupations

Forms & Applications

Fee Hearing Office

Community Associations

Report a Licensee

Records & Documents

News & Information

About DPOR

Contact

Details of license number 0411000678

Name:	NXL CONSTRUCTION CO INC
License Number:	0411000678
License Description:	Business Entity Branch Office Registration
Trading Name:	NXL CONSTRUCTION SERVICES INC
Address:	2870-C SOUTH MAIN ST, HARRISONBURG, VA 22801
Initial Certification Date:	October 29, 2009
Expiration Date:	February 28, 2014

print

Complaints

No Open Complaints

"Open Complaints" reflect only those complaints against registrants for which a departmental investigation has determined that sufficient evidence exists to establish probable cause of a violation of the law or regulations. Only those cases that have proceeded through an investigation to the adjudication stage are displayed. **State law prohibits the disclosure of any information about open complaints** (Code of Virginia Section 54.1-108). Members of the public may review official records and obtain copies only after a complaint investigation is closed.

No Closed Complaints

"Closed Complaints" reflect complaints against registrants closed since 1990. Cases closed without disciplinary action are purged after three years in accordance with DPOR's record retention policy.

To inquire about closed complaints, see the department's Public Records Access or contact the department's Information Management Section at (804) 367-8582 or publicrecords@dpor.virginia.gov.

Froehling & Robertson, Inc.

DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION
COMMONWEALTH OF VIRGINIA

EXPIRES ON

12-31-2013

9960 Mayland Dr., Suite 400, Richmond, VA 23233
Telephone: (804) 387-8500

NUMBER

0407000098

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

PROFESSIONS: ENG

FROEHLING & ROBERTSON, INC
3015 DUMBARTON ROAD
RICHMOND, VA 23228



Gordon N. Dixon
Gordon N. Dixon, Director

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Froehling & Robertson, Inc.

The screenshot shows the Virginia DPOR website interface. At the top, there is a navigation bar with 'Virginia.gov', 'Online Services', 'Agencies', 'Customers', and 'Help'. On the right, there are buttons for 'APPLICANTS', 'LICENSEES', and 'CONSUMERS'. The main header features the DPOR logo and the text 'Department of Professional and Occupational Regulation'. Below this is a red navigation bar with 'Home', 'Online Services', 'License Lookup & Disclosure', and 'About Us'. A left sidebar contains a 'License Lookup' menu with options like 'Online Renewal & Services', 'Status', 'Professions & Occupations', 'Firms & Applications', 'Fair Hearing Office', 'Community Assistance', 'Report a Licensee', 'Records & Documents', 'Fees & Information', 'About DPOR', and 'Contact'. The main content area is titled 'Details of license number 0407000098'. It contains a table with the following information:

Name:	FROEHLING & ROBERTSON INC
License Number:	0407000098
License Description:	Business Entity Registration
Address:	3815 DUMBARTON ROAD RICHMOND, VA 23228
Initial Certification Date:	August 5, 1982
Expiration Date:	December 11, 2013

Below the table, there is a 'Complaints' section with the heading 'No Open Complaints'. A paragraph explains that 'Open Complaints' reflect only those against regulators for which a departmental investigation has determined that sufficient evidence exists to establish probable cause of a violation of the law or regulations. It notes that state law prohibits the disclosure of any information about open complaints (Code of Virginia Section 54.1-106) and that members of the public may review official records and obtain copies only after a complaint investigation is closed. Below this is another heading 'No Closed Complaints' with a paragraph explaining that 'Closed Complaints' reflect complaints against regulators closed since 1990. Cases closed without disciplinary action are purged after three years in accordance with DPOR's record retention policy. A final paragraph provides contact information for inquiries about closed complaints, directing users to the department's Public Records Access or the Information Management Section at (804) 367-8583 or publicrecords@dpor.virginia.gov. The page concludes with the heading 'Associated Professional Licensing Information'.

Hassan Water Resources

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

9980 Mayland Dr., Suite 400, Richmond, VA 23233
Telephone: (804) 367-8500

EXPIRES ON 12-31-2013		NUMBER 0413000299
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BOARD FOR ARCHITECTS, PROFESSIONAL ENGINEERS, LAND SURVEYORS, CERTIFIED INTERIOR DESIGNERS
AND LANDSCAPE ARCHITECTS
PROFESSIONAL LIMITED LIABILITY COMPANY

PROFESSIONS: ENG

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



Gordon N. Dixon, Director

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Hassan Water Resources, PLC

The screenshot shows the Virginia Department of Professional Regulation (DPRO) website. The header includes the Virginia.gov logo and navigation links for Online Services, Agencies, Download, and Help. The DPRO logo is prominently displayed. On the right, there are buttons for APPLICANTS, LICENSEES, and CONSUMERS, along with a search bar. A red navigation bar contains links for Home, License Types, License Lookup, and Regulatory Agency. A left sidebar lists various services like License Lookup, Online Renewal, and Registration. The main content area displays the details for license number 0413000194, including the licensee's name (HASSAN WATER RESOURCES PLC), license number (0413000194), license description (Professional Limited Liability Company), trading name (HWR), address (2255 PARKERS HILL DRIVE, MANCHESTER, VA 22102), initial certification date (July 4, 2004), and expiration date (December 31, 2014). Below this, the 'Complaints' section shows 'No Open Complaints' and 'No Closed Complaints', with explanatory text regarding the disclosure of complaints. At the bottom, there is a section for 'Associated Professional Licensing Information'.

Virginia.gov Online Services | Agencies | Download | Help

Search Virginia Gov

APPLICANTS
LICENSEES
CONSUMERS

Home | License Types | License Lookup & Regulatory Agency

License Lookup
Online Renewal & Transfer
Registration
Professional & Occupational
Licensure & Applications
Fair Hearing Office
Community Associations
Board & Councils
Records & Documents
Licensure Information
Annual (POC)
Contact

Details of License Number 0413000194

Name:	HASSAN WATER RESOURCES PLC
License Number:	0413000194
License Description:	Professional Limited Liability Company
Trading Name:	HWR
Address:	2255 PARKERS HILL DRIVE MANCHESTER, VA 22102
Initial Certification Date:	July 4, 2004
Expiration Date:	December 31, 2014

Complaints

No Open Complaints

Open Complaints reflect only those complaints against registrants for which a departmental investigation has determined that sufficient evidence exists to establish probable cause of a violation of the law or regulations. Only those cases that have proceeded through an investigation to the adjudication stage are displayed. **State law prohibits the disclosure of any information about open complaints** (Code of Virginia Section 54-1-109). Members of the public may review official records and status reports only after a complaint investigator has closed.

No Closed Complaints

Closed Complaints reflect complaints against registrants closed under 19B. Cases closed without disciplinary action are purged after three years in accordance with DPRO's record retention policy.

To inquire about closed complaints, use the department's [Public Records Agency](#) or contact the department's Information Management Section at (804) 787-8853 or publicrecords@dpr.virginia.gov.

Associated Professional Licensing Information

ECS Mid-Atlantic, LLC

DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION
COMMONWEALTH OF VIRGINIA

EXPIRES ON
02-28-2014

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

NUMBER
0411000383

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

PROFESSIONS: ENG.

ECS-MID-ATLANTIC LLC
915 MAPLE GROVE DR
STE 206
FREDERICKSBURG, VA 22407-6935



George R. Dixon
George R. Dixon, Director

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ECS Mid-Atlantic, LLC

The screenshot shows the DPOR (Division of Professional Regulation) website. The header includes the DPOR logo and navigation links for APPLICANTS, LICENSERS, and CONSUMERS. The main content area displays the details for license number 0411000181, issued to ECS-MID-ATLANTIC LLC. The license description is 'Business Entity Branch Office Registration' located at 913 MAPLE GROVE DR STE 206, FREDERICKSBURG, VA 22407. The initial certification date is December 10, 2004, and the expiration date is February 28, 2014. Below the license details, there are sections for 'Complaints', both 'No Open Complaints' and 'No Closed Complaints'. A disclaimer states that 'Open Complaints' reflect only those against regulators for which a departmental investigation has determined that sufficient evidence exists to establish probable cause of a violation of the law or regulations. It also notes that state law prohibits the disclosure of any information about open complaints. For 'Closed Complaints', it explains that these reflect complaints against regulators closed since 1995, and cases closed without disciplinary action are purged after three years. A contact information for the Information Management Section is provided at the bottom.

DPOR
Division of Professional Regulation

APPLICANTS
LICENSERS
CONSUMERS

Home / License / Details of License Contact & Disciplinary Action

License Lookup
Data Services & Services
Forms
Professions & Occupations
Forms & Applications
Fee Assisting Office
Community Associations
Report a Licensee
Records & Documents
News & Information
About DPOR
Contact

Details of license number 0411000181

Name:	ECS-MID-ATLANTIC LLC
License Number:	0411000181
License Description:	Business Entity Branch Office Registration
Address:	913 MAPLE GROVE DR STE 206 FREDERICKSBURG, VA 22407
Initial Certification Date:	December 10, 2004
Expiration Date:	February 28, 2014

Complaints

No Open Complaints

Open Complaints reflect only those complaints against regulators for which a departmental investigation has determined that sufficient evidence exists to establish probable cause of a violation of the law or regulations. Only those cases that have proceeded through an investigation to the adjudication stage are displayed. **State law prohibits the disclosure of any information about open complaints [Code of Virginia Section 54.1-108].** Members of the public may review official records and obtain copies only after a complaint investigation is closed.

No Closed Complaints

Closed Complaints reflect complaints against regulators closed since 1995. Cases closed without disciplinary action are purged after three years in accordance with DPOR's record retention policy.

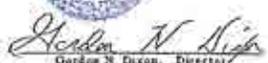
To inquire about closed complaints, see the department's [Public Records Access](#) or contact the department's Information Management Section at (804) 367-8583 or publicrecords@dpwr.virginia.gov.



KEY PERSONNEL DPOR DOCUMENTATION



NXL Construction Services
Michael William Saunders

DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION		
COMMONWEALTH OF VIRGINIA		
EXPIRES ON 12-31-2013	8960 Mayland Dr., Suite 400, Richmond, VA 23233 Telephone: (804) 367-8500	NUMBER 0402041295
BOARD FOR ARCHITECTS, PROFESSIONAL ENGINEERS, LAND SURVEYORS, CERTIFIED INTERIOR DESIGNERS AND LANDSCAPE ARCHITECTS		
PROFESSIONAL ENGINEER LICENSE		
MICHAEL WILLIAM SAUNDERS 4500 LITCHFIELD DRIVE CHESTERFIELD, VA 23832		  Gordon N. Dixon, Director
<small>ALTERATION OF THIS DOCUMENT, USE AFTER EXPIRATION, OR USE BY PERSONS OTHER THAN INCENSED MAY RESULT IN CRIMINAL PROSECUTION UNDER THE CODE OF VIRGINIA.</small>		

Michael William Saunders

The screenshot shows the Virginia.gov website for the Department of Professional and Occupational Regulation (DPOR). The page displays the details for a license held by Michael William Saunders. The license number is 0402041295, and it is a Professional Engineer License. The license was issued on December 29, 2003, and expires on December 31, 2011. The licensee's address is in Chesterfield, VA. The page also includes a section for complaints, which is currently empty, and a contact information section at the bottom.

Virginia.gov Online Services | Agencies | Government | Help Search Virginia.gov

DPOR
Department of Professional and Occupational Regulation

APPLICANTS >>
LICENSEES >>
CONSUMERS >>

Home > License Lookup > License Lookup & Disciplinary Actions

0402041295 SEARCH

License Lookup

Details of license number 0402041295

Class, Renewal & Services	Name:	SAUNDERS, MICHAEL WILLIAM
Boards	License Number:	0402041295
Professions & Occupations	License Description:	Professional Engineer License
Forms & Applications	Address:	CHESTERFIELD VA, 23812
Fee Holding Office	Initial Certification Date:	December 29, 2003
Community Associations	Expiration Date:	December 31, 2011

Report a License

Records & Documents

News & Information

About DPOR

Contact

Complaints

No Open Complaints

"Open Complaints" reflect only those complaints against regulants for which a departmental investigation has determined that sufficient evidence exists to establish probable cause of a violation of the law or regulations. Only those cases that have proceeded through an investigation to the adjudication stage are displayed. State law prohibits the disclosure of any information about open complaints [Code of Virginia Section 24.2-108]. Members of the public may review official records and obtain copies only after a complaint investigation is closed.

No Closed Complaints

"Closed Complaints" reflect complaints against regulants closed since 1990. Cases closed without disciplinary action are purged after three years in accordance with DPOR's record retention policy.

To inquire about closed complaints, see the department's Public Records Access or contact the department's Information Management Section at (804) 367-8583 or publicrecords@dpoc.virginia.gov.

Johnson Mirmiran & Thompson
Robert Taylor Gallagher

DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION
COMMONWEALTH OF VIRGINIA

EXPIRES ON

01-31-2014

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

NUMBER

0402023016

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

ROBERT TAYLOR GALLAGHER
10004 STUDLEY FARMS DRIVE
MECHANICSVILLE, VA 23116



Gordon N. Dixon
Gordon N. Dixon, Director

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The screenshot shows the Virginia DPOR website interface. At the top, there is a navigation bar with 'Virginia.gov' and links for 'Public Services', 'Registration', 'Consumer', and 'Help'. A search bar is located on the right. The DPOR logo is prominently displayed, with the text 'Department of Professional and Occupational Regulation' underneath. A secondary navigation bar includes 'Home', 'License Lookup', 'License Lookup & Disciplinary Actions', 'APPLICANTS >>', 'LICENSEES >>', and 'CONSUMERS >>'. A search bar is also present in this bar.

The main content area is titled 'Details of license number 0402023016'. It contains the following information:

Name:	GALLAGHER, ROBERT TAYLOR
License Number:	0402023016
License Description:	Professional Engineer License
Address:	MECHANICVILLE VA, 23116
Initial Certification Date:	January 27, 1992
Expiration Date:	January 31, 2018

Below the license details is a 'Complaints' section. It states 'No Open Complaints' and provides a detailed explanation: 'Open Complaints' reflect only those complaints against regulators for which a departmental investigation has determined that sufficient evidence exists to establish probable cause of a violation of the law or regulations. Only those cases that have proceeded through an investigation to the adjudication stage are displayed. State law prohibits the disclosure of any information about open complaints (Code of Virginia Section 54.1-108). Members of the public may review official records and obtain copies only after a complaint investigation is closed.

It also states 'No Closed Complaints' and explains: 'Closed Complaints' reflect complaints against regulators closed since 1990. Cases closed without disciplinary action are purged after three years in accordance with DPOR's record retention policy.

At the bottom of the complaints section, it says: 'To inquire about closed complaints, see the department's [Public Records Access](#) or contact the department's Information Management Section at (804) 367-8583 or publicrecords@dpor.virginia.gov'.

A left-hand sidebar contains various navigation links: 'License Lookup', 'Online Renewal & Services', 'Exams', 'Professions & Occupations', 'Forms & Applications', 'Fee Hearing Office', 'Community Associations', 'Repeal a License', 'Records & Documents', 'News & Information', 'About DPOR', and 'Contact'.

Johnson Mirmiran & Thompson
Barry L. Jones

DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION		
COMMONWEALTH OF VIRGINIA		
EXPIRES ON 01-31-2014	9900 Mayland Dr., Suite 400, Richmond, VA 23233 Telephone: (804) 367-8500	NUMBER 0403001315
BOARD FOR ARCHITECTS, PROFESSIONAL ENGINEERS, LAND SURVEYORS, CERTIFIED INTERIOR DESIGNERS AND LANDSCAPE ARCHITECTS LAND SURVEYOR LICENSE		
BARRY L JONES 6289 GREYSTONE CREEK ROAD MECHANICSVILLE, VA 23111		 <i>Gordon N. Dixon</i> Gordon N. Dixon, Governor
<small>ALTERATION OF THIS DOCUMENT, USE AFTER EXPIRATION, OR USE BY PERSONS OTHER THAN THOSE NAMED MAY RESULT IN CRIMINAL PROSECUTION UNDER THE CODE OF VIRGINIA.</small>		

Barry L. Jones

The screenshot shows the Virginia.gov website with the DPOR (Department of Professional and Occupational Regulation) logo. The page is titled "Details of license number 0403001315". The license holder is Barry L. Jones, a Land Surveyor Licensee. The license was issued on November 4, 1978, and expires on January 31, 2014. The page also includes a "Complaints" section with "No Open Complaints" and "No Closed Complaints".

Virginia.gov Online Services | Agencies | Government | Help Search Virginia.gov

DPOR
Department of Professional and Occupational Regulation

APPLICANTS >>
LICENSEES >>
CONSUMERS >>

Home > License Lookup > License Lookup & Disciplinary Actions Date Search Search >

License Lookup

Details of license number 0403001315

Name:	JONES, BARRY L.
License Number:	0403001315
License Description:	Land Surveyor License
Address:	MECHANICSVILLE VA, 23111
Initial Certification Date:	November 4, 1978
Expiration Date:	January 31, 2014

print

Complaints

No Open Complaints

"Open Complaints" reflect only those complaints against registrants for which a departmental investigation has determined that sufficient evidence exists to establish probable cause of a violation of the law or regulations. Only those cases that have proceeded through an investigation to the adjudication stage are displayed. State law prohibits the disclosure of any information about open complaints [Code of Virginia Section 54.1-108]. Members of the public may review official records and obtain copies only after a complaint investigation is closed.

No Closed Complaints

"Closed Complaints" reflect complaints against registrants closed since 1990. Cases closed without disciplinary action are purged after three years in accordance with DPOR's record retention policy.

To inquire about closed complaints, see the department's [Public Records Access](#) or contact the department's Information Management Section at (804) 367-8583 or public.records@dpwr.virginia.gov.

Home | Online Services | Agencies | Government | Help | Search Virginia.gov

DPOR
Department of Professional and Occupational Regulation

APPLICANTS >>
LICENSEES >>
CONSUMERS >>

Home > License Lookup > License Lookup & Disciplinary Actions Date Search Search >

License Lookup

Details of license number 0403001315

Name:	JONES, BARRY L.
License Number:	0403001315
License Description:	Land Surveyor License
Address:	MECHANICSVILLE VA, 23111
Initial Certification Date:	November 4, 1978
Expiration Date:	January 31, 2014

print

Complaints

No Open Complaints

"Open Complaints" reflect only those complaints against registrants for which a departmental investigation has determined that sufficient evidence exists to establish probable cause of a violation of the law or regulations. Only those cases that have proceeded through an investigation to the adjudication stage are displayed. State law prohibits the disclosure of any information about open complaints [Code of Virginia Section 54.1-108]. Members of the public may review official records and obtain copies only after a complaint investigation is closed.

No Closed Complaints

"Closed Complaints" reflect complaints against registrants closed since 1990. Cases closed without disciplinary action are purged after three years in accordance with DPOR's record retention policy.

To inquire about closed complaints, see the department's [Public Records Access](#) or contact the department's Information Management Section at (804) 367-8583 or public.records@dpwr.virginia.gov.

APPENDIX 3.3.1 **KEY PERSONNEL FORMS**



ATTACHMENT 3.3.1

KEY PERSONNEL RESUME FORM

Brief Resume of Key Personnel anticipated for the Project.	
a. Name & Title:	MICHAEL P. HIGGINS (MIKE) / VICE PRESIDENT OF OPERATIONS AND DESIGN-BUILD SERVICES
b. Project Assignment:	DESIGN-BUILD PROJECT MANAGER
c. Name of Firm with which you are now associated:	BRANCH HIGHWAYS, INC. 
d. Years experience: With this Firm <u>13</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.):	
<p><i>Branch Highways, Inc. [Vice President of Operations and Design-Build Services, February 2010–Present]—</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. Current role brings all of Branch's resources to bear on the Route 3 DB project to ensure that staffing levels are adequate to meet all contractual deadlines and completion dates. Duties and responsibilities as Director of Design-Build Services still apply as outlined below. Mr. Higgins is an active participant in the Virginia Transportation Construction Alliance (VTCA), having served as a member of the Board of Directors and as co-chairperson of the Design-Build Committee.</p> <p><i>Branch Highways, Inc. [Director of Design-Build Services/Senior Project Manager, March 2008–February 2010]—</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 including both the construction knowledge and requirements associated with right-of-way acquisitions, environmental permitting and mitigation, as well as utility relocations both in house and those associated with 3rd party utility owners. He has a proven track record with both the Route 58 and Rt15 PPTA projects.</p> <p><i>Branch Highways, Inc. [Director of Project Management/Project Manager, January 2003–March 2008]—</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. Many of the guidelines mirror those established by VDOT for design build project and assisted Branch in its efforts to create clear lines of accountability for our organization and the Design Build Team for this project.</p> <p><i>Branch Highways, Inc. [Senior Estimator, October 1999–December 2002]—</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.</p> <p><i>The Lane Construction Corporation [Project Engineer in Charge January 1997–September 1999]—</i>Performed project management duties for the reconstruction of the Buena Vista Floodwall Project for the Norfolk District of the USACE in Buena Vista, Virginia. 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.</p>	
e. Education: Name & Location of Institution(s)/Degree(s)/Year/Specialization:	West Virginia Institute of Technology (Montgomery, WV) / BS / 1985 / Civil Engineering

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

Route 58 Meadows of Dan Bypass PPTA, VDOT

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 and 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.

Hillsville Bypass Company: *Branch Highways, Inc.*

Dates: *October 2007–November 2011*

Meadows of Dan Bypass Company: *Branch Highways, Inc.*

Dates: *March 2004 – December 2005*

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

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.

Company: *Branch Highways, Inc.*

Dates: *June 2007–February 2009*

Route 58 Meadows of Dan Bypass PPTA, VDOT

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.

Company: *Branch Highways, Inc.*

Dates: *March 2004–December 2005*

Centrepont Parkway, Stafford County, VA

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.

Company: *Branch Highways, Inc.*

Dates: *August 2004–October 2005*

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

Design-Build Project Manager responsible 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.

Company: *Branch Highways, Inc.*

Dates: *February 2007–December 2009*

ATTACHMENT 3.3.1

KEY PERSONNEL RESUME FORM

Brief Resume of Key Personnel anticipated for the Project.	
a. Name & Title:	MICHAEL W. SAUNDERS, PE, CCM, / PROJECT MANAGER/QUALITY ASSURANCE MANAGER
b. Project Assignment:	QUALITY ASSURANCE MANAGER
c. Name of Firm with which you are now associated:	NXL CONSTRUCTION SERVICES, INC. 
d. Years experience: With this Firm <u>1</u> Years With Other Firms <u>10</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.):	<p><i>NXL, Richmond, VA [Project Manager/Quality Assurance Manager, November 2011 –Present]</i> Mr. Saunders serves as Independent Quality Assurance Manager and Quality Control Manager for Design-Build projects. In addition to his Design-Build duties, Mr. Saunders currently performs Responsible Engineer duties on VDOT's Huguenot Bridge Replacement project (\$50M, estimated completion in 2013).</p> <p><i>VDOT, Richmond District [Project Control Engineer/Area Construction Engineer, May 2011 –November 2011]</i> Mr. Saunders was responsible for quality assurance and for coordinating constructability reviews to include developing pre-advertisement schedules and construction sequences; and District Wide NOI and claims analysis. Project assignments included Design Build and Locally Administered Projects.</p> <p><i>VDOT, Richmond District [Area Construction Engineer, January 2007 –May 2011]</i> Responsible Charge supervision and technical guidance during project delivery for design-build and design-bid-build projects. He also assisted the Fredericksburg District with a Regional Design-Build Bridge Replacement project.</p> <p><i>VDOT, Salem District [Construction Project Manager Salem District, Southern Area Construction, November 2005 – January 2007]</i> Mr. Saunders supervised all phases of multi-operational roadway and structural construction projects to ensure all work was performed in accordance with project plans, specifications and special provisions.</p> <p><i>VDOT, Christiansburg Residency [Permits/Subdivision Superivsor, April 2005 –October 2005]</i> Mr. Saunders was responsible subdivision, rural streets and land use permit programs.</p> <p><i>VDOT, Salem District [Architect/Engineer I, March 2004 –April 2005]</i> Mr. Saunders assisted in the Land Development and Maintenance Program Operations.</p> <p><i>VDOT, Salem District [Transportation Engineer Associate, June 2001 –February 2004]</i> Mr. Saunders completed the Associate Engineers Program at the Christiansburg Residency.</p>
e. Education: Name & Location of Institution(s)/Degree(s)/Year/Specialization:	Virginia Tech, Blacksburg, VA/Bachelor of Science / 2001 / Civil Engineering
f. Active Registration: Year First Registered/ Discipline/VA Registration #:	2005 / Virginia Professional Engineer / 0402 041295
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.)	<p><i>VDOT Route 36 Design Build Improvements, Richmond District</i> Quality Assurance Manager (QAM)Construction of improvements to Routes 36 and 144 near Fort Lee in Prince George County. The project includes improvement to approximately 0.9 mile of Route 36 and approximately 0.5 miles of Route 144. Mr. Saunders serves as the project's Quality Assurance Manager where he is responsible for:</p>

- Preparation of project's Quality Assurance and Quality Control Plans.
- Oversight of QA program, including performance and coordination of QA testing and inspection.
- Monitoring QC program and liaising with VDOT with respect to project compliance.
- Approving QC Plan for staffing and testing before submission to VDOT
- Project documentation including diaries, materials reports, as-builts, requisitions, and final records.
- Managing the project QA staff to ensure compliance with contract, plans, and specifications.

Company: NXL Construction Services, Inc.

Dates: December 2011 – January 2013

VDOT I-295/Meadowville Interchange, Richmond District

Quality Control Manager (QCM) reporting to the Construction Manager, while in parallel reporting all sampling, testing, visual inspections, certifications, and daily diaries to the QAM. He led the QC team and directed the activities of the QC staff. Other duties included:

- Leading all preparatory inspection meetings.
- Coordinating with QAM to monitor the installation and maintenance of erosion and sediment controls.
- Coordinating with the CM to monitor work zone safety and traffic management plans.
- Coordinating with the QC testing firm to ensure conformance with VDOT 2008 design-build guidelines.
- Managing the QC staff to ensure compliance with contract, plans, and specifications.

Company: NXL Construction Services, Inc.

Dates: November 2011 – December 2011

VDOT I-295/Meadowville Interchange, Chesterfield Virginia

Area Construction Engineer/Project Manager during final design and phase I construction a cloverleaf interchange. Duties included attending regularly scheduled progress meetings, reviewing project documentation, reviewed and approved pay applications and coordinated IA/IV testing. After leaving VDOT, Mr. Saunders continued duties as Quality Control Manager for this project with NXL, seeing the project through to close out.

Company: Virginia Department of Transportation

Dates: April 2011-November 2011

Region 4 Design-Build Structures Project, Various Counties

Project Manager during the construction of various bridge superstructure replacements throughout the Richmond District. Duties included making responsible charge decisions, attending regularly scheduled progress meetings, reviewing project documentation for compliance with contract documents, coordinated IA/IV testing and handled public/stakeholder concerns throughout the duration of the project.

Company: Virginia Department of Transportation

Dates: April 2010 – November 2011

Route 10 Widening & Bridge Replacement, Chesterfield Virginia

Area Construction Engineer/Responsible Engineer responsible engineer overseeing the construction of this project which includes coordination with Chesterfield County, the contractor, Dominion Virginia Power, CSX railroad and the FHWA. *Mr. Saunders remained in the same role on this project when he transitioned from VDOT to consultant firm.

Company: VDOT/NXL Construction Services, Inc. **Dates:** April 2011 – June 2013 (est.)

ATTACHMENT 3.3.1

KEY PERSONNEL RESUME FORM

Brief Resume of Key Personnel anticipated for the Project.	
a. Name & Title:	ROBERT T. GALLAGHER, P.E./SENIOR VICE PRESIDENT
b. Project Assignment:	DESIGN MANAGER
c. Name of Firm with which you are now associated:	JOHNSON, MIRMIRAN & THOMPSON, INC. 
d. Years experience: With this Firm <u>5</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.):	<p><i>Johnson Mirmiran & Thompson [Senior Vice President, Richmond Office Manager, February 2007 –Present] –</i> Responsible for operations of JMT's Richmond Office and serves as JMT's Transportation discipline leader for Virginia. Oversees all roadway and bridge design, construction inspection, and right-of-way acquisition within the Commonwealth. Mr. Gallagher also serves as JMT's Project Manager on the VDOT Statewide Limited Services Design contract.</p> <p><i>Earth Tech [Vice President, Senior Section Manager, July 1998 – February 2007] -</i> Manager of Transportation engineering services for the Richmond office. Responsible for the major transportation disciplines of roadway and bridge design, construction inspection and right-of-way acquisition. Served as the Project Manager and Principal-in-Charge for design and administration of many VDOT and municipal VDOT-funded highway projects. Served as Project Manager for multiple VDOT Limited Services Design contracts and on select project specific contracts. Served as the Capital District Transportation Business Line Leader responsible for coordinating transportation efforts between individual offices including Baltimore, Alexandria, Richmond, and Norfolk.</p> <p><i>Earth Tech [Transportation Project Manager and Engineer, April 1990 – July 1998] -</i> Served in various engineering and project manager roles for VDOT and municipal funded Virginia Transportation projects. Experience centered on highway design, structure design and analysis, roadway hydraulics and storm water management.</p>
e. Education: Name & Location of Institution(s)/Degree(s)/Year/Specialization:	<p>Trine -University, Angola, Indiana/BS/1987/Civil Engineering State University of New York Agricultural & Technical College, Alfred, NY/AAS/1984/Construction Technology (2006 – 2009) (2011- 2014) VTCA Engineering Consultant Leadership Committee. Currently serves as the VA engineering representative of the Joint Highway Coop Committee of the Virginia Transportation Construction Alliance</p>
f. Active Registration: Year First Registered/ Discipline/VA Registration #:	1992 / Professional Engineer / 23016
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.)	<p>Route 61 Bridge Replacement Design-Build, Town of Narrows, Giles County, VA Design Manager responsible for management of the design scope of services includes survey, subsurface utility engineering, road and bridge design, drainage and stormwater management design, hydrologic and hydraulic analysis, geotechnical engineering, environmental permit acquisition, utility coordination and relocations, right-of-way acquisition, signing and marking, and public involvement. The \$15.6M project replaces the existing, structurally deficient bridge that crosses the New River, Route 460, and Old Virginia Avenue with a new, 1140', two-lane bridge with sidewalks and includes reconstruction of the roadway approaches. The project involves substantial utility relocations of water, sewer, gas, telecommunications, and electrical lines serving the Town.</p> <p>Relevant Attributes: VDOT Design-Build Project, Bridge and Road Design and Construction Services, Geotechnical Challenges, Environmental Permits, Right-of-Way Acquisition, Utilities Relocations and Coordination.</p>
Company:	Johnson, Mirmiran & Thompson
Dates:	December 2010- February 2012 (Design) October 2012 (Construction)

Fairfax County Parkway (Route 7100) Design-Build, Fairfax County, VA

Design Contract Manager - Managed and coordinated the major disciplines of roadway design; traffic design including signals, signing and pavement markings; structural design; water resources; MOT; lighting; landscaping; utility coordination and subsurface utility engineering; and land surveys for the design. This Design-Build project was one segment of the Fairfax County Parkway between Rolling Road (Rte. 638) and Fullerton Road. This project included construction of approximately 1.5 miles of a four-lane divided, limited access highway designed to facilitate future widening to 6 lanes. The project includes relocation of portions of Rolling Road; a multipurpose trail; interchanges at Rolling Road/EPG Access Road, Boudinot Drive Interchange; I-95 SB DAR access ramp; and 6 new multi-lane bridges; 1 interstate ramp widening and UXO and Hazmat accommodations. Responsibilities include oversight for roadway and structure design and coordination with all other support disciplines including survey, SUE, water resources, environmental analysis and permitting, geotechnical engineering, traffic engineering, signing and lighting and project website. Western half conditional approval for clearing, grading and E&S was received 2 months ahead of original schedule.

Relevant Attributes: Design-Build Project, Bridge and Road Design, Sensitive Utilities, Heavy Public Involvement, Geotechnical Challenges, Environmental Permits, Award Winning Project.

Company: Johnson Mirmiran and Thompson

Dates: October 2008 – September 2009 (Phase I&II)
November 2009 (Phase IV)

Gayton Road PPTA Design-Build, Henrico County VA

Senior Advisor for Design Consultant and Principal-In-Charge for Construction QA/QC services for this 2.2 mile new alignment roadway and bridge crossing over I-64. Project construction cost of 39M. Provided Senior Advisor support to the team and oversight for limited engineering design for traffic signal designs and structural design load rating. Prior to 2007 while with previous employer generated PPTA concept and offer with the ultimately successful contractor.

Relevant Attributes: Recent Design-Build Experience with similar construction value

Company: Johnson Mirmiran and Thompson

Dates: April 2008 – November 2012

Design Build - James Madison Highway (Rte. 15) Improvements PPTA, Prince William County, VA

Principal-In-Charge responsible for overseeing the design of two river crossing structures, review of structural shop drawings submittals, acquisition of right of way acquisition (negotiations, appraisals and settlements), and designation of utilities for a PPTA Design-Build project to improve and widen Route 15.

Relevant Attributes: Design-Build Project, Primary Route widening, Bridge Design and Construction Services, Right-of-Way Acquisition Services, Utilities. Project Contractor was Branch Highways

Company: Johnson Mirmiran and Thompson

Dates: March 2007 – May 2011

Company: Johnson Mirmiran and Thompson

VDOT Design Build - Project Approaches & Bridge over Buffalo Creek, Town of Farmville, VA

Principal-In-Charge for the engineering portion of this Design-Build bridge and approach roadways. JMT also provided the project construction QA/QC. This bridge replacement project on existing location included a 3-span, 270' long and 58'-8" wide structure. The maintenance of traffic was critical in maintaining two way traffic during construction and access for the fire station at the northern end of the existing bridge.

Relevant Attributes: VDOT Design-Build Project, also provided Construction QA/QC. Early VDOT D-B with lessons learned.

Company: Johnson Mirmiran and Thompson

Dates: March 2007 – September 2008

VDOT PPTA Design Build - Route 288 PPTA, Goochland County, VA

Design Manager/Principal-In-Charge responsible for roadway, bridge design and water resources work performed as a sub consultant to the PPTA design-builder. Services included completion of the roadway and select bridge plans for this 7.1 mile segment of the Route 288 western bypass around Richmond from the James River to Interstate 64. Segment included four interchanges and extensive environmental permitting. Project design efforts included value engineering meetings with contractors. Provided field support for contractor Request for Information and structural shop drawings submittals.

Relevant Attributes: VDOT Design-Build PPTA, Substantial Environmental Permitting, Bridge Design and Construction Services

Company: Earth Tech

Dates: 2000 –2002

ATTACHMENT 3.3.1
KEY PERSONNEL RESUME FORM

Brief Resume of Key Personnel anticipated for the Project.	
a. Name & Title:	PETER R. KRAMER / AREA MANAGER
b. Project Assignment:	CONSTRUCTION MANAGER
c. Name of Firm with which you are now associated:	BRANCH HIGHWAYS, INC. 
d. Years experience: With this Firm <u>16</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.):	<p><i>Branch Highways, Inc. [Senior Project Manager/Area Manager, March 2009–Present]</i>—Responsibilities included oversight of all northern Virginia projects including both public and private sectors. These projects included site and road work for the Frederick Douglas Elementary School (Leesburg), Route 15 PPTA, Spriggs Road, Lowe’s and Eli Lilly (Prince William County), Port republic Road (Harrisonburg), and Route 123 in Lorton (Fairfax County). Currently serving as the Area Manager for Northern Virginia. Duties include field operations and production management as well as Value-Engineering Proposal development and administration. Also, as the Design-Build Project Manager for the Route 15 James Madison Highway PPTA project for Prince William County, was responsible for traditional project management duties including contract administration, owner relations, internal reporting and overall project monitoring along with oversight authority for design, utility relocation, environmental permitting, ROW procurement, and all construction activities. These efforts required close coordination of all aspects of the PPTA process and a full understanding of the complexities of each aspect. Also required interfacing directly with landowners regarding specific proffer terms and conditions as well as acting as the point person for specific project-related property owner interactions for the Owner.</p> <p><i>Branch Highways, Inc. [Project Manager, January 1998–February 2009]</i>—Responsible for overall management duties for several construction projects including the I-81/Route 460 Christiansburg/Blacksburg Interchange. Also served as the Bridge Construction Manager concurrently with other project management duties for approximately three dozen bridge structures throughout North Carolina and Virginia. Duties included all scheduling, requests for information, and submittal preparations/monitoring, along with crew and equipment scheduling for all bridge crews as well as overall contract management and oversight including correspondence, owner and subcontractor notifications, and compliance issues.</p> <p><i>Branch Highways, Inc. [Superintendent/Project Engineer, January 1997–December 1997]</i>—Duties included direct responsibility for the management and construction of Beulah Street/Telegraph Road in Fairfax, as well as the management of final construction and closeout activities for various ongoing Branch Highways projects including Liberia Avenue (Manassas), Fairfax County Parkway between Route 123 and Hooes Road, and Backlick Road (Fairfax County), and significant slope stabilization work on previously constructed portions of the Fairfax County Parkway. Duties focused on managing crews and equipment on a daily basis for multiple projects, schedule preparation, materials scheduling, submittal/RFI preparation and monitoring, as well as all correspondence and contract administration activities, budget monitoring and reporting.</p>
e. Education: Name & Location of Institution(s)/Degree(s)/Year/Specialization:	Virginia Military Institute (Lexington, VA) / BS / 1988 / Civil Engineering
f. Active Registration: Year First Registered/ Discipline/VA Registration #:	2006 / VDOT Erosion & Sediment Control Contractor Certification (ESCCC) / #3156C 2012 / Virginia Department of Conservation and Recreation (DCR)—Responsible Land Disturber (RLD) / #38667 2009 / Certified LEED AP, United States Green Building Council / 10444816 2009 / U.S. Army Corps of Engineers—Construction Quality Management for Contractors / CENAO-09-1170
g. Document the extent and depth of your experience and qualifications relevant to the Project.	<ol style="list-style-type: none"> <i>Note your specific responsibilities and authorities for each assignment, not those of the firm.</i> <i>Note whether experience is with current firm or with other firm.</i> <i>Provide beginning and end dates for each assignment.</i> <p>(List at least three (3), but no more than five (5) relevant projects for which you have performed a similar function.)</p>
<i>James Madison Highway (Route 15) PPTA/Design-Build, Prince William County, VA</i>	
<p>In addition to familiarity with the specific construction elements, Mr. Kramer has extensive PPTA/DB experience, gained while serving as the Construction Manager for the Route 15 PPTA in Prince William County. Mr. Kramer directly managed all environmental permitting, land acquisition, utility relocations, and acted as the Project’s liaison with landowners and other project stakeholders. Branch received the “Construction Excellence Award” from Prince William County for this Project. Though locally administered, VDOT was actively involved in the design reviews and ongoing inspections, all of which required Mr. Kramer’s</p>	

active management and engagement. This completed \$53 million project is a prime example of how Branch, along with our current Design partner, RDA, successfully navigated the PPTA/DB waters to deliver a quality project, safely, on time, and within budget, in a highly congested and politically sensitive environment.

Company: *Branch Highways, Inc.*

Dates: *February 2007–December 2009*

Frederick Douglas Elementary School, Town of Leesburg

More recently, completing in 2012, Mr. Kramer was the **Construction Manager** for a site project within the Town of Leesburg that involved temporary NVRPA relocation on the WO&D Trail. That aspect of the project included close coordination with the Town of Leesburg, NVRPA, and Loudoun County. Much like the Route 3 Project under consideration, ensuring that the NVRPA Trail facility was maintained throughout the construction was a priority as a dual box culvert was built under the existing trail. The enhanced stone headwalls and reforestation of the surrounding area helped to provide a feature that was both critical to arrest local flooding issues and one that fit aesthetically into the NVRPA WO&D trail system. While this project had many competing interests among multiple public bodies, Mr. Kramer was able to establish a positive and constructive relationship with the Town of Leesburg and the NVRPA.

Company: *Branch Highways, Inc.*

Dates: *November 2005–October 2007*

Route 123 & Hooes Road, VDOT

As the **Project Manager** for Branch Highways' Route 123 Project, Mr. Kramer partnered with the NOVA VDOT District to complete the relatively complex and politically charged project successfully. His duties included the formulation of a complex traffic maintenance and re-sequencing plan that was adopted by the Department as one of three eventual value engineering proposals. Much like the needs of the Route 3 Widening Project, the traffic and access issues complicated the everyday business of improving a roadway segment in dire need. Also as anticipated in the Route 3 Project, it is evident that the combination of strong Branch and VDOT Teams working toward common goals will be successful. Mr. Kramer created an extremely positive relationship with the Department on this project, as can be attested to by Mr. John DePasquale, P.E., former VDOT NOVA District Construction Engineer, and Ken Connors, currently the Culpepper District Construction Engineer (formerly assigned to NOVA District.)

Company: *Branch Highways, Inc.*

Dates: *July 2004–May 2006*

Christiansburg/Blacksburg Route 460 Interchange, VDOT

Of the many projects Mr. Kramer has completed as **Project Manager**, several stand out as complementary to the Route 3 Project under consideration. One of these projects was the I-81 Interchange leading into Virginia Tech at Christiansburg. This highly coupled Project incorporated truck climbing lanes under congested, high-speed, limited access, conditions. Completed in the early 2000's, this approximate \$60 million project successfully incorporated NCHRP-350 standards for safety as those, then "new", standards were implemented in Virginia. The understanding gained through his experience on the I-81 Project will bring a familiarity with the challenges of confined work zones and how to best interact with heavy volumes of vehicle traffic traveling at high speeds. His input on both the sequence of construction and maintenance of traffic plans for the Route 3 Project will greatly enhance the safety of the traveling public and the Project Team.

Company: *Branch Highways, Inc.*

Dates: *September 1998–April 2003*

ATTACHMENT 3.3.1

KEY PERSONNEL RESUME FORM

Brief Resume of Key Personnel anticipated for the Project.	
a. Name & Title:	BARRY JONES, LS/ SENIOR PROJECT MANAGER
b. Project Assignment:	LEAD UTILITY COORDINATION MANAGER
c. Name of Firm with which you are now associated:	JOHNSON MIRMIRAN & THOMPSON 
d. Years experience: With this Firm <u>1</u> Years With Other Firms <u>43</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.):	<p><i>Johnson Mirmiran & Thompson [Senior Project Manager, May 2012–Present]</i>—Responsible for Utility Coordination for all JMT designed VDOT and municipal VDOT- funded highway and bridge projects and overall project management of multiple roadway design projects.</p> <p><i>Virginia Department of Transportation [Project Manager, October 2010–May 2012]</i>—Served as the Project Manager for design and administration of multiple VDOT projects. Responsibilities included project budgeting, project scheduling, coordination of inter-departmental disciplines, consultant oversight and coordination.</p> <p><i>Stantec (formerly D.S. Atlantic Corporation and American Engineers) [Partner, Principal, Sr. Vice President and Manager of Technical Operations June 1966–October 2010]</i>—Served in various engineering and project programming and management roles for VDOT and municipal funded Virginia Transportation projects. Experience centered on highway design, public involvement, right of way delineation, utility design and coordination, roadway hydraulics and storm water management.</p>
e. Education: Name & Location of Institution(s)/Degree(s)/Year/Specialization:	Old Dominion University, Norfolk, VA/Various Course Work/1966/ Civil Engineering Virginia Commonwealth University, Richmond, VA/Various Course Work/1971/Education J. Sargeant Reynolds Community College, Richmond, VA/Various Course Work/1972/Engineering and Hydraulic Designing
f. Active Registration: Year First Registered/ Discipline/VA Registration #:	1978 / Professional Land Surveyor / 1315
g. Document the extent and depth of your experience and qualifications relevant to the Project. 1. <i>Note your specific responsibilities and authorities for each assignment, not those of the firm.</i> 2. <i>Note whether experience is with current firm or with other firm.</i> 3. <i>Provide beginning and end dates for each assignment.</i> List at least three (3), but no more than five (5) relevant projects for which you have performed a similar function.)	<p>Route 3 Widening Culpeper County, Virginia Project Manager for this \$39million project for the Virginia Department of Transportation. Two different consultants were utilized for this project assignment, requiring hands-on management practices. Public involvement, context sensitivity, natural and historical resources and utility coordination played a significant part in the development of the project. Utility coordination efforts made jointly with the District Utility Engineer, provided a workable plan to construct the Route 3 project in a time efficient and economically feasible manner. Specific challenges included early coordination efforts with Williams Gas concerning their major gas transmission lines crossing Route 3. Roadway profiles, location and typical section designs were generated to abate impacts to the major gas transmission line. Multiple fiber optic communication providers were involved with a coordinated effort to define responsibilities of each utility owner in utility relocation efforts. The constructability of the Route 3 project will benefit from the efforts made and utility easement acquisition will be abated thru the prudent location and use of shared duct banks.</p> <p>Relevant Attributes: VDOT Design-Build Project Company: Virginia Department of Transportation Dates: October 2010 – March 2011</p>

Route 501 Widening Campbell County Virginia

Utility Coordinator/Project Manager responsible for managing the design efforts and utility early coordination for the widening of Route 501 in Campbell County, VA. Early coordination efforts included presentation of Preliminary Field Inspection plans to utility owners and developing a plan to delineate utility easement requirements prior to the project Public Hearing. These efforts included direct input from the project designer to the utility owners. The approach to utility early coordination lessens the impacts to adjacent properties and cost savings are realized by VDOT for easement acquisition. A major crossing with Williams Gas Pipeline was encountered and preliminary designs have been proactively developed to eliminate conflicts.

Relevant Attributes: Design-Bid-Build Project, Road Design, Sensitive Utilities, Heavy Public Involvement, Geotechnical Challenges, Environmental Permits

Company: Johnson Mirmiran and Thompson

Dates: June 2012 - present

Design-Bid Build Route 29/Route 666 Interchange Culpeper County Virginia

Project Manager and early utility coordination for project development.

Relevant Attributes: Recent Utility Coordination and Utility Design Experience

Company: Johnson Mirmiran and Thompson

Dates: May 2012 - present

Design-Bid Build Route 7 Fairfax County Virginia

Design Engineer responsible for investigating and resolving utility conflicts for this high volume urban arterial roadway.

Relevant Attributes: Design-Bid-Build Project, Recent utility design and conflict resolution.

Company: Johnson Mirmiran and Thompson

Dates: October 2010 – May 2012

Henrico County – Multiple Urban and Rural projects

Principal-In-Charge and Project Manager for the engineering design, bridge design, and utility design and coordination for Henrico County Road and Bridge infrastructure projects. Projects included roadway design for widening, new location, urban and rural roadways, bridge, drainage, utility infrastructure and coordination with local and state governments, federal agencies and major utility owners.

Relevant Attributes: Design-Bid-Build Projects, Recent utility coordination and design experience.

Company: American Engineers

Dates: February 1972 – October 2010

ATTACHMENT 3.3.1

KEY PERSONNEL RESUME FORM

Brief Resume of Key Personnel anticipated for the Project.	
a. Name & Title:	G. LEE COOPER, SR/WA, R/W-NAC/PROJECT MANAGER & SENIOR NEGOTIATOR
b. Project Assignment:	RIGHT OF WAY MANAGER
c. Name of Firm with which you are now associated:	JOHNSON, MIRMIRAN & THOMPSON, INC. 
d. Years experience: With this Firm >1 Years With Other Firms <u>20</u> Years	<i>Johnson Mirmiran & Thompson [Project Manager & Senior Negotiator, January 2013 –Present]</i> Responsible for right of way and easement acquisitions for State, City, and County agencies at the Project Management level.
	<i>AECOM Technologies [Project Manager, May 2008 – January 2013]</i> Performed Right of Way and Easement acquisitions and negotiations for proposed road projects. Prepared and submitted bid proposals for road and utility projects. Assisted in the relocation of landowners affected by proposed road projects. Reviewed appraisals for consistency. Ability to assess and appraise property for the purpose of acquisition. Attended public information meetings. Supervised Right of Way and Administrative staff. Coordinated utility relocation as required for proposed road improvements. Submitted weekly reports pertaining to the progress of projects. Reviewed construction plans for accuracy. Answered inquiries from the general public.
	<i>Prince William County Department of Transportation [Right of Way Agent, June 2007 – May 2008]</i> Negotiated right of way and easement acquisitions with property owners and provided guidance regarding relocation. Project Manager on PPTA Projects within the County utilizing consultants. Recorded and researched land records, prepared and maintained acquisition budget, and approved submitted appraisal reports for accuracy. Coordinated with county staff, the Virginia Department of Transportation, and utility companies on right of way and on litigation arising from acquisition of right of way and easements. Assisted in settling of claims for damages resulting from construction in right of ways and easement areas
	<i>Hanover County Department of Public Utilities [Right of Way Agent, June 1997 – June 2007]</i> Created in-house appraisals. Performed right of way and easement acquisitions and negotiations. Performed title and deed research in records office. Prepared deed of easement documents. Prepared and submitted eminent domain documents to County Attorney's office. Reviewed appraisal reports and plats. Managed and disposed of county owned property. Approved residential and commercial subdivision plans for accurate information. Managed utility locations and assisted with locations of facilities.
e. Education: Name & Location of Institution(s)/Degree(s)/Year/Specialization:	Kennedy-Western / BS / 2005 / Business Administration J. Sargeant Reynolds Community College/Cert./2001/Real Estate
f. Active Registration: Year First Registered/ Discipline/VA Registration #:	International Right of Way Association/SR/WA/Registration #5681
g. Document the extent and depth of your experience and qualifications relevant to the Project.	<i>North Gayton Road Extension Project PPTA, Henrico County, VA</i> Mr. Cooper provided right of way management and relocation oversight on this high profiled key road project for Henrico County. Mr. Cooper provided project management in regards to title searches, appraisals, negotiations and closings on 64 parcels. This project was a fast track project and Mr. Cooper provided the services required to meet the goals of the client. Mr. Coopers insight and the ability to lead a successful project lends to the needs of the Rt. 3 Project. Understanding the intricacies of property owners and explaining with clarity the need and purpose of the project is a strong point of Mr. Cooper. Project was completed in November, 2012.
	Relevant Attributes: Relocation services, coordination of appraisals, negotiations and acquisitions.
<i>Company:</i> AECOM Tech	<i>Dates:</i> August 2009 – November 2012
	<i>Rt. 15 N. PPTA Improvement Project, Prince William County</i> As Project Manager , Mr. Cooper managed and provided oversight from the County level in regards to all title searches, appraisals, negotiations including right of entries, and closings on 30 parcels of land. Worked closely with Branch Highways, Inc. and JMT who conducted the land acquisition services and provided them with clear and precise guidance. This very important PPTA project consisted of improving several roads in the vicinity of Rt. 15 as well as improving several intersections. Although this was a County project, VDOT had an active role.

Relevant Attributes: Managed appraisals, acquisitions and closings. Working relationship with Branch.

Company: AECOM Tech

Dates: February 2007 – May 2008

Rt. 229 Widening, Town of Culpeper

Senior Right of Way Negotiator working on the VDOT and Federally Funded Route 229 Project in the Town of Culpeper as a negotiator. Mr. Cooper is providing bona fide offers based on VDOT approved appraisals. He will also prepare all offer packages, prepare RW-24 reports at the conclusion of all negotiations in accordance with VDOT's Right of Way and Utilities Manual of Instruction.

Relevant Attributes: Negotiations and offer packages. Working with Culpeper District staff.

Company: Johnson Mirmiran and Thompson

Dates: December 2012 - present

Rt. 10 Frith to Greenyard Road Project, Chesterfield County, VA

Project Manager/Senior Negotiator responsible for providing right of way services including obtaining right of entries for 21 parcels consisting of both residential and commercial properties. As the Project Manager he provided the necessary oversight in regards to the title searches, appraisals, negotiations, and closings. Mr. Cooper provided the knowledge and know how to complete this acquisition in a timely manner, this provided the relocation of utilities to be completed and not to be delayed. As a result the road project was successfully bid and constructed within the timeframes outlined by the County. This type of ability will create the environment needed for the Rt. 3 Project.

Relevant Attributes: Managed negotiations, appraisals, and closings.

Company: AECOM Tech

Dates: May 2010 – October 2012

APPENDIX 3.4.1 **WORK HISTORY FORMS**





3.4.1(B) LEAD CONTRACTOR WORK HISTORY FORMS



ATTACHMENT 3.4.1(a)

LEAD CONTRACTOR - WORK HISTORY FORM

(LIMIT 1 PAGE PER PROJECT)

a. Project Name & Location	b. Name of the prime design consulting firm responsible for the overall project design.	c. Contact information of the Client or Owner and their Project Manager who can verify Firm's responsibilities.	d. Contract Completion Date (Original)	e. Contract Completion Date (Actual or Estimated)	f. Contract Value (in thousands)		g. Dollar Value of Work Performed by the Firm identified as the Lead Contractor for this procurement.(in thousands)
					Original Contract Value	Final or Estimated Contract Value	
Name: James Madison Highway (Route 15) PPTA Design-Build Location: <i>Prince William, Virginia</i>	Name: Rinker Design Associates, P.C.	Name of Client./ Owner: Prince William Co. Dept. of Transportation Address: 5 County Complex Court Prince William, VA 22192 Project Manager: Tom Blazer Phone: 703.792.6825 Email: tblaser@pwcgov.org	December 2009	December 2009	\$52,139	\$54,126	\$54,126

h. Narrative describing the Work Performed by the Firm identified as the Lead Contractor for this procurement. If the Offeror chooses to submit work completed by an affiliated or subsidiary company of the Lead Contractor, identify the full legal name of the affiliate or subsidiary and the role they will have on this Project, so the relevancy of that work can be considered accordingly.

Branch Highways was the Design-Build Contractor providing design, construction, right of way, 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 (PWC). Similar to the Route 3 Widening Project, the Route 15 project required a series of environmental permits and mitigation action for streams and wetlands, all of which were managed by Branch. 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.

Demonstrating a well integrated organization [cooperation among the parts] with proven cooperative work history:

Branch and organized a project team that was successful through the entire process of this project, from the initial procurement, design and permitting, construction and inspection, and through the final acceptance of the project by both PWC and VDOT. We also were successful in integrating the organizations and personnel of VDOT, PWC, affected utility owners, regulatory/permitting agencies, first responders, developers, farms, home owners' associations, business owners, and individual property owners into the overall design and coordination of the construction of the project. Traffic and development along this corridor were and still are very heavy, presenting the team with a very demanding environment in which to work requiring our team to combine our skills effectively.

Branch faced the following challenges, demonstrating our teaming experience and complementary skills and experiences:

- **Alignment selection:** The possible alignments available to us were somewhat restricted by the surrounding properties and adjacent utilities. Also, the project had a high level of (political) visibility for the County. Branch selected an alignment that met not only competing design criteria (such as minimizing ROW impacts, environmental impacts, traffic disturbances, roadway design requirement) but one that was constructable in a schedule compliant and cost-saving manner. Input from designer to Branch for these critical decisions enabled Branch to reduce the amount of earthwork and minimized potential delays to the schedule from impacts due to overhead utility conflicts.
- **Minimizing underground drainage piping:** Branch was able to use their combined experience to maximize substituting above ground storm water conveyance systems (ditches and gutters) in lieu of underground storm drainage systems, reducing the number of impacts to existing underground utilities and drainage systems.
- **Optimizing project phasing:** Branch aided the designer in minimizing the number of traffic switches beyond what may have immediately been apparently needed. This increased safety to the public, the quality of asphalt paving, the quality of bridge construction, and reduced the amount of work that had to be performed immediately adjacent to live traffic.
- **Optimizing pavement design:** Branch was able to provide cost feedback to designer that enabled them to provide a cost-effective pavement design.
- **Early construction commencement:** A design and design review sequence enabled Branch to begin construction sooner than we would have otherwise.
- **Squeaky wheels:** At PWC's request, Branch developed alternative alignments for a portion of the project that eliminated some potentially adversarial circumstances between PWC and an adjacent developer. We were able to make these adjustments without incurring additional costs for either Branch or PWC.

Relevant and verifiable evidence of good performance:

Branch received the 2010 "Outstanding Contractor Award from Prince William County, which, to the best of our knowledge, was the only such award they had ever given. The project was finished on time and within the County's budget constraints. Our relationship with PWC, VDOT, and ALL of the other stake holders IMPROVED over the course of the project.

We enjoyed outstanding relationships with VDOT personnel Susan Shaw, Art Klos, and Helen Cuervo. We continue to have positive relationships with PWC's Department of Transportation officials, Tom Blaser, Khattab Shammout, and Mohammad Ayyoubi.

Branch incorporated excess earthen materials from the project into the James Long Park, significantly improving their equestrian facilities. We also furnished and installed, at our own expense, a 36" encasement pipe across Route 15 for the Park's future utility needs. We also provided other miscellaneous site improvements to the Park.

Branch received several letters from adjacent property owners expressing their gratitude for efforts by Branch personnel to coordinate and accommodate when possible the ongoing activities of the project in such a manner to meet various needs of these properties.

Lead Contractor qualifications to successfully construct this Project:

This relevant project clearly demonstrates that Branch is fully qualified to be the lead contractor for the construction of the Route 3 Widening project. The project was equal in complexity and larger than the Route 3 project.



ATTACHMENT 3.4.1(a)

LEAD CONTRACTOR - WORK HISTORY FORM

(LIMIT 1 PAGE PER PROJECT)

a. Project Name & Location	b. Name of the prime design consulting firm responsible for the overall project design.	c. Contact information of the Client or Owner and their Project Manager who can verify Firm's responsibilities.	d. Contract Completion Date (Original)	e. Contract Completion Date (Actual or Estimated)	f. Contract Value (in thousands)		g. Dollar Value of Work Performed by the Firm identified as the Lead Contractor for this procurement.(in thousands)
					Original Contract Value	Final or Estimated Contract Value	
Name: Route 58 Corridor Improvements Location: Meadows of Dan and Hillsville, VA	Name: HNTB Corporation	Name of Client./ Owner: VDOT Address: P.O. Box 3071 Salem, VA 24153 Project Manager: Robert Williams Phone: 5403.387.5345 Email: Robbie.Williams@VDOT.Virginia.org	Phase 1: December 2005 Phase 2: November 2011	Phase 1: December 2005 Phase 2: November 2011	Phase 1: \$19,972 Phase 2: \$83,000	Phase 1: \$19,972 Phase 2: \$83,195	Phase 1: \$19,972 Phase 2: \$83,195

h. Narrative describing the Work Performed by the Firm identified as the Lead Contractor for this procurement. If the Offeror chooses to submit work completed by an affiliated or subsidiary company of the Lead Contractor, identify the full legal name of the affiliate or subsidiary and the role they will have on this Project, so the relevancy of that work can be considered accordingly.

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 under the authority of the Virginia Public-Private Transportation Act of 1995 for Virginia Department of Transportation. The Project begins at a point just west of Little Reed Island Creek on the southwest side of the Town of Hillsville and continues generally east, through Carroll, Floyd and Patrick Counties, to approximately one mile west of the town limits of Stuart, at which point the project ties into four lanes of existing Route 58. The Project will be designed and constructed in phases.

- **Phase 1: Blue Ridge Parkway Crossing at Meadows of Dan (Department Project 0058-070-E02):**The western terminus of Phase 1 is approximately 0.3 miles west of the existing intersection of Route 58 and Route 600. The alignment is approximately three miles long and the eastern terminus is less than 0.1 miles east of the existing intersection of Route 58 and Route 795. Phase 1 of the Project will be a four-lane, divided highway. It consists of two lanes in each direction separated by a median. This Project Phase value was \$19,971,672 with a completion date of December 15, 2005. The Phase was completed ahead of schedule and on budget (zero change requests/orders).
- **Phase 2: Hillsville Bypass (Department Project 0058-017-E13):**The western terminus of the Hillsville Bypass of Phase 2 is approximately 0.1 miles east of Route 714. The alignment is approximately 5.2 miles long and the eastern terminus is approximately 0.1 miles west of Route 820. The Hillsville Bypass will be a four-lane, divided highway. It consists of two lanes in each direction separated by a median. This Project Phase volume is \$83,000,000 with a completion date of November 2011.



Demonstrating a well integrated organization [cooperation among the parts] with proven cooperative work history:

Branch had many partners on both the Meadows of Dan and Hillsville Bypass Projects. Each partner had specific needs and expectations that evolved as the process of designing and delivering these projects evolved. Entities as diverse as local governmental agencies, politicians, farmers, business owners, the US Department of the Interior, VDOT, residents, and a host of professional service providers were given voice. The successful completion of these projects is a testament to Branch's ability to bring together an integrated Project Team that was capable of balancing the project needs with those of the numerous Stakeholders.

Branch and VDOT faced the following challenges, demonstrating teaming experience and complementary skills and experiences: The following issues were overcome by the Project Team:

- Post-award additions of environmental surveys by the FHWA threatened to delay the Hillsville Bypass project by a full construction season. Working together, VDOT, FHWA, Branch, and our Design Partner, HNTB, revised the design and construction schedules to mitigate these impacts resulting in no additional costs to VDOT (besides the actual surveys) and no delay to the project.
- VDOT received multiple requests by local elected officials for changes to the lighting at the interchanges. The Project Team, including VDOT, BHI, HNTB, and the local officials found common ground through frank and open discussions. While Branch had to perform additional work under previously unnecessary traffic conditions, the overall schedule was maintained and no extra costs were incurred by VDOT, despite the late-date changes.

Relevant and verifiable evidence of good performance:

- Branch was able to construct both of these Projects ahead of schedule. Besides the known complexities of the DB/PPTA process in terms of design, various reviews and comment periods, utility relocations, environmental accommodations, and general disruptions in those processes, the additional input from all the stakeholders affected the eventual construction processes. Successful completion in terms of time was a challenge met.
- Branch completed these projects within the originally agreed pricing. Good performance measured by cost control is predicated on identifying risks and managing those risks. While surprises did surface, as they do on all projects, Branch was able to adroitly adjust to those situations with the support of the Project Team and avoid cost escalations.
- No change orders were requested on either project by the Branch Team. Branch was focused on finding solutions, and not finding ways to add scope that could lead to increased costs. Good contractors who conduct themselves in this manner, and have evidence that they've "walked the walk", like Branch Highways, are good performers.

Lead Contractor qualifications to successfully construct this Project:

As one of the first contractors to engage the Department in the PPTA/DB arena, Branch has shown that we have the experience to successfully navigate the perils involved in the design build. Our proven track record, as exemplified in the two Route 58 Projects discussed herein, among others, is a clear indication that the Department should have full confidence in our ability to be an ideal design builder for the Route 3 Widening Project under consideration.

ATTACHMENT 3.4.1(a)

LEAD CONTRACTOR - WORK HISTORY FORM

(LIMIT 1 PAGE PER PROJECT)

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					Original Contract Value	Final or Estimated Contract Value	
Name: Main Street Improvements Location: Blacksburg, VA	Name: Rummel, Klepper & Kahl, LLP	Name of Client./ Owner: Town of Blacksburg Address: 141 Jackson Street, Blacksburg, VA 24060 Project Manager: Brandon Steele Phone: 540.961.1172 Email: bsteale@blacksburg.gov	April 2011	October 2011	\$6,034	\$6,069	\$6,069

h. Narrative describing the Work Performed by the Firm identified as the Lead Contractor for this procurement. If the Offeror chooses to submit work completed by an affiliated or subsidiary company of the Lead Contractor, identify the full legal name of the affiliate or subsidiary and the role they will have on this Project, so the relevancy of that work can be considered accordingly.

The Main Street Improvements (locally administered) Project for the Town of Blacksburg ("the Town") involved a half mile of road and utility improvements, *reducing* the existing roadway from two lanes in each direction to one lane in each direction with a shared center for left turns, from College Avenue to just past the intersection with Prices Fork Road. Additional improvements included replacing the intersection of North Main Street and Prices Fork road with a roundabout allowing for better traffic flow and to provide a gateway into the downtown area. In keeping with Blacksburg's *Downtown Master Plan* the sidewalks were widened to allow more activities like outdoor dining and public gathering; other improvements included seating walls, landscaping, pedestrian and traffic signals, street lighting, community patios, and streetscape amenities. As a result, the interactions with business and community groups as well as with local governmental and political entities were extensive. Branch Highways was able to engage those shareholders individually and collectively throughout the construction process to ensure that their concerns were addressed with the urgency and proficiency dictated by each.

Demonstrating a well-integrated organization [cooperation among the parts] with proven cooperative work history:

Branch obtained this project through a traditional hard-bid procurement. Coordination and cooperation with the Town were critical for construction sequencing. The project crossed the old Main Street Entrance to Virginia Tech, and had small business owners, restaurants, and churches along the entire length of the project. Pedestrian traffic was *massive* and required the entire team maintain an incessant awareness of site conditions and proactive management of potential hazards.

Branch and the town faced the following challenges, demonstrating teaming experience and complementary skills and experiences:

- Branch and the Town faced multiple utility conflicts, caused by insufficient, erroneous, and outdated as-built information. Many of the utilities were many decades old and were typically servicing and immediately adjacent to old structures housing small and very active businesses. Branch worked with the Town effectively and coordinated this work in such a manner that we minimized the impact to the Town and the stakeholders.
- There were significant periods of time during which large portions of sidewalks and roadways were in a condition of reduced capacity. Branch and the Town jointly coordinated their communications with Virginia Tech, Virginia Tech Police, and Town Police to protect the balance between accommodating the school events that increased vehicular and pedestrian traffic volumes versus the needs of the project.
- Adjacent Business "Eats". This business owner opposed the project from the outset, including during the design phase, concerned about the negative impacts to its business. When construction began, it was clear that they were going to be obstructionists. At the behest of Branch' onsite manager, he and the Town's Project Manager engaged this business owner directly and openly, hearing out their concerns, both legitimate and fear-based, and took business needs into consideration by modifying our own construction phasing plans to accommodate their needs. This affected when we would be allowed to work in certain areas on certain tasks. Branch constructed a delivery loading and loading area at our own costs. Additionally Branch installed multiple business open/business access signs also at our own costs. The Town was helped us engage the property owner in a constructive manner, but the Town needed Branch to cooperatively accommodate the business owner's needs without creating additional, unbudgeted cost for the Town.
- Construction of the roundabout was performed under full traffic. This required an integrated coordination effort among all the parties for an intense period of time, including first responders.

Relevant and verifiable evidence of good performance:

Despite the fact the project experienced so many early utility conflicts; the project was completed *several months* ahead of schedule and well below the original bid amount.

Mr. Steele wrote as follows in his project acceptance letter: *"I appreciate the hard work and dedication [Branch] gave to this project. As a result of your dedication and the hard work of your crews the project ended up being a great success. Thank you for working so well with the Town of Blacksburg on this monumental and historic project."*

Branch enjoyed and continues to enjoy an outstanding working relationship with the Town, and in particular, Brandon Steele, Blacksburg's Urban Transportation Manager. Branch was able to assist Mr. Steele with the planning of future projects, similar in scope and location, and how their construction could be phased and coordinated in a manner that would minimize impacts to vehicular and pedestrian traffic. Our efforts ultimately resulted in Branch's selection for a project that was based on best value.

Lead Contractor qualifications to successfully construct this Project:

The Route 3 Widening project will require a high level coordination of complementary competencies. The Blacksburg Main Street was a project that put our management style on full display: Trust, cooperation, engagement, care, diligence, innovation, and intelligence. It's the way we work with every client.



3.4.1 (B) LEAD DESIGNER WORK HISTORY FORMS

ATTACHMENT 3.4.1(b)

LEAD DESIGNER - WORK HISTORY FORM

(LIMIT 1 PAGE PER PROJECT)

a. Project Name & Location	b. Name of the prime/ general contractor responsible for overall construction of the project.	c. Contact information of the Client and their Project Manager who can verify Firm's responsibilities.	d. Construction Contract Completion Date (Original)	e. Construction Contract Completion Date (Actual or Estimated)	f. Contract Value (in thousands)		g. Design Fee for the Work Performed by the Firm identified as the Lead Designer for this procurement.(in thousands)
					Construction Contract Value (Original)	Construction Contract Value (Actual or Estimated)	
Name: FAIRFAX COUNTY PARKWAY (ROUTE 7100) DESIGN BUILD Location: Fairfax County, VA 	Name: Cherry Hill Construction, Inc.	Name of Client.: Federal Highway Administration - Eastern Federal Lands Highway Division Phone: (703) 404-6217 Project Manager: Robert A. Morris, PE Phone: (703) 404-6302 Email: robert.morris@dot.gov	Phases I/II December 2010 Phase IV July 2010	Phases I/II September 2010 (Actual) Phase IV July 2010 (Actual)	\$85,472	\$112,500 Increase due to addition of Phase IV	\$11,538

h. Narrative describing the Work Performed by the Firm identified as the Lead Designer for this procurement. Include the office location(s) where the design work was performed and whether the firm was the prime designer or a subconsultant.

The Design-Build (D-B) Team of **Johnson, Mirmiran & Thompson, Inc. (JMT)** and **Cherry Hill Construction, Inc. (CHC)** was selected as the best value team for the Fairfax County Parkway (FCP) project by the Federal Highway Administration's Eastern Federal Lands Highway Division (EFLHD), Virginia Department of Transportation (VDOT) and U.S. Army Garrison Fort Belvoir.

JMT, as prime designer working out of their Virginia offices, was responsible for complete design of the project including work in the following disciplines: highway, structural, water resources, traffic, multipurpose trail, lighting designs, surveys, utility designations, subsurface utility engineering, geotechnical engineering, environmental analysis and permitting. JMT will also be providing supplemental services to finalize conveyance of the right of way from the Army to VDOT.

The 4-lane divided limited access highway is primarily on new location (it also included a sizable amount of relocations and widenings on nearby existing streets) and completes the missing connection of Fairfax County Parkway to I-95. The project corridor begins at Rolling Road/Franconia-Springfield Parkway and proceeds southeastward on a new alignment ending just east of Fullerton Road and including new interchanges at Boudinot Drive and at Fort Belvoir North Area's Barta Road. The work involved in the Parkway extension included design of: highway and interchange ramps, bike paths, six new bridges and one bridge widening, retaining walls, noise walls, box culverts, sign structures, grading, drainage, storm water management, erosion and sediment control, landscaping, traffic analysis, traffic simulation, traffic signals, signing and striping, dynamic message signing, lighting and pavement marking as well as maintenance of traffic and a Type C Transportation Management Plan for a complicated construction detouring scheme. The project also included special coordination requirements with Fort Belvoir environmental staff due to the presence of contaminated soil/groundwater and the potential for unexploded ordinance on the site as well as environmental permitting with the USACE for the Accotink Creek bridge construction. In addition, the project included widening of southbound I-95 to accommodate a new exit lane, as well as reconstruction of portions of Rolling Road and Boudinot Drive. The project had an extremely aggressive 750 calendar day schedule.

During the bidding process, JMT prepared alternate technical concepts that improved the overall project design and reduced the cost. The JMT/Cherry Hill Construction team was selected based on the alternate technical concepts prepared by JMT and the overall best value that our team's proposal offered to EFLHD. The most significant change identified was the "Fullerton Flip". The original design depicted Fullerton Road crossing over the Parkway. JMT was able to revise the profiles for both the Parkway and Fullerton Road to take the Parkway over Fullerton Road. The benefits of that the "flip" brought to the project were:

- Reduced the amount of soil and rock excavation by also raising Boudinot Drive.
- Minimized the disturbance of contaminated material by placing embankment over the Central Motors site.
- Reduced the surplus material on the project.
- Resulted in a balanced earthwork project significantly reducing project cost.



JMT also identified areas on the project where the remaining surplus material could be disposed which eliminated the need to dispose material off site and eliminated the numerous truck trips on the local roads.

Demonstrating a well integrated organization [cooperation among the parts] with proven cooperative work history:

A driving factor contributing to the success of this project was the establishment of a formal partnering agreement between the project stakeholders. It was evident from the notice to proceed that the project would be schedule driven but also had to address the goals of the numerous and diverse stakeholders. **To address this major project concern, the Design-Build Team instituted project partnering.** Partnering began with formal partnering sessions and continued throughout the design and construction. Bi-weekly partnering or task force meetings were held with all major stakeholders. Representation at the bi-weekly meetings was mandatory and included the Federal Highway Administration -Eastern Federal Lands Highway Division, VDOT, Fort Belvoir DPW, Fort Belvoir Environmental and Natural Resource Division, NGA, U.S. Army Corps of Engineers-BRAC Integration Office and Fairfax County DOT.

Cherry Hill and JMT faced the following challenges, demonstrating our teaming experience and complementary skills and experiences:

- Coordinated the mitigation and processing of design waivers and exceptions from previously approved CTB plans, allowing the project to remain within boundaries established by the MOA between project stakeholders (VDOT, EFLHD, US Army, and Fairfax County) and keeping the commitments of the ROD.
- Designed significant profile revisions to minimize surplus material, thereby avoiding impacts to HAZMAT and UXO's, and reducing construction traffic on the local road network.
- Conducted extensive coordination process to satisfy the varying and diverse needs of the major stakeholders.
- Extensive public relations campaign and our partnering approach was key to successful implementation of a year-long detour of an existing ramp.
- Rapidly accommodated multiple owner options into the plans while maintaining the design and construction schedules.

Relevant and verifiable evidence of good performance:

- To facilitate feedback from the public, the team established a Web site through which public comments could be submitted. One comment reflects the efforts made by all who were associated with the project. *"I am amazed at the pace of the Fairfax County Parkway Extension project, and to all those who are involved in any aspect of this project, I want to thank you for all you are doing!"* J. Thompson
- The project was recognized by ACEC/VA, ACEC/MD and ACEC/MW with "Awards of Excellence" and was the VTCA Winning Project for VDOT projects greater than \$10M. In addition, key staff members of JMT received "Star Partner" awards for their exceptional dedication, teamwork, and professionalism in support of the project's goals by the National Geospatial-Intelligence Agency (NGA) and USACE.
- The project was chosen as a key example of the successful application of stimulus funding and was visited at two times by the President of the United States.

Lead Designer qualifications to successfully design this Project:

- Successful application of innovation to help speed the project, reduce environmental impacts, and lower the original budget allowing the client to implement other parts of the project that previously had been unfunded.
- Successful demonstration of an effective partnering program which accommodated the needs and issues of a vast array of controlling agencies with a complex set of interacting requirements and responsibilities.
- Demonstrated key elements of the design disciplines required for this Route 3 project including; roadway design, street widening and relocation involving high volumes of traffic, maintaining access to local communities, utility relocations, right of way services, agency and public coordination, and permitting.

ATTACHMENT 3.4.1(b)

LEAD DESIGNER - WORK HISTORY FORM

(LIMIT 1 PAGE PER PROJECT)

a. Project Name & Location	b. Name of the prime design consulting firm responsible for the overall project design.	c. Contact information of the Client or Owner and their Project Manager who can verify Firm's responsibilities.	d. Contract Completion Date (Original)	e. Contract Completion Date (Actual or Estimated)	f. Contract Value (in thousands)		g. Dollar Value of Work Performed by the Firm identified as the Lead Contractor for this procurement.(in thousands)
					Original Contract Value	Final or Estimated Contract Value	
Name: ROUTE 7 (LEESBURG PIKE) 0007-029-128, PE-101 – PHASE I 0007-029-128, PE-102 – PHASE II Location: Fairfax County, VA 	Name: N/A	Name of Client.: VDOT Project Manager: Mr. Mark Gibney, PE (Phase I); Ms. Kerri Yap, PE (Phase II) Phone: 703-259-2734 (Gibney); 703-259-2950 (Yap) Email: mark.gibney@vdot.virginia.gov Kerri.yap@vdot.virgini.gove	2007 Phase I Advertisement 2017 Phase II	Phase I 10/2015 (Est) (Project delayed due to funding) Phase II 2021 (Est)	Phase I \$30,000 Phase II \$300,000	Phase I \$27,300 (Est) Phase II N/A	Phase I \$3,478 Phase II \$5,815

h. Narrative describing the Work Performed by the Firm identified as the Lead Designer for this procurement. Include the office location(s) where the design work was performed and whether the firm was the prime designer or a subconsultant.

JMT, as prime designer working out of their Richmond, VA office, is providing professional engineering services to VDOT for design and capacity improvements to Route 7 (Leesburg Pike) in Fairfax County, VA. Currently the project is split into two phases, Phase I is from Rolling Holly Drive to Reston Avenue (1.2 miles) and Phase II is from Reston Avenue to the Dulles Toll Road (approximately 6.5 miles). Plans are being prepared utilizing MicroStation V8 and GEOPAK. The widening will generally be to the inside however alternatives were developed to determine the most feasible and prudent options where widening exclusively to the median is not practical. The project includes survey, subsurface utility engineering, preliminary design, complete right-of-way and roadway construction plans (to include standard retaining wall plan sheets); multi-purpose trails on both sides of Route 7; structure and bridge plans to include the design of a bridge replacement (Route 7 over Difficult Run), landscaping plans, signing, signals, roadway lighting, pavement markings, roadway drainage design and hydraulic and hydrologic analysis of bridged waterways and major structures as well as analysis to determine scour, water quality work, final plans, estimates, special provisions, review of shop drawings, construction consultation and load ratings.



The design includes improvements to 33 intersections, including adding turn lanes, medians, islands and signalization in accordance with VDOT NOVA District requirements. Included in the design are signing and pavement marking plans for the mainline roadway and the connections. JMT is conducting signal warrant studies at 9 intersections. 14 existing signals are being impacted by the design and are being designed for the new intersection configurations. Additionally, design alternatives are being developed at major intersections to determine the most feasible and prudent options to improve traffic flow, including assessing alternative intersection options. Synchro/SimTraffic software is being utilized to develop a coordinated system to maximize traffic flow volumes and to decrease delay times along the corridor. Furthermore, bicycle and pedestrian crossing are being analyzed at the signalized intersections due to the multi-use trail paralleling Route 7 through the corridor. JMT is developing a Type C Transportation Management Plan (TMP) for the project. There is significant bifurcation between the eastbound and the westbound roadways which complicates the phasing of construction. An extensive public involvement program is underway which includes newsletters and a website, to compliment the public involvement meetings and coordination with Fairfax County. The roadway plans include drainage design for both open and closed storm systems, ditches, inlets, culverts, storm water management facilities, erosion and sediment control, hydraulic and hydrologic analysis for major structures and bridges. A very extensive stormwater strategy is being developed for the project to identify areas where stormwater management facilities may serve joint usage facilities for Fairfax County Park Authority and or other developments along the corridor to help minimize environmental and property impacts.

Demonstrating a well integrated organization [cooperation among the parts] with proven cooperative work history:

During the development of Phase I, there was considerable public concern about the proposed dual left turn lanes leading to Georgetown Pike. Coordination between all disciplines, with special emphasis on the civil and traffic disciplines, as well as coordination with our VDOT counterparts, resulted in a compromise design that accommodated the citizen concerns and offered a resolution to the overall mobility of the corridor and allowed the project to move to construction.

Relevant and verifiable evidence of good performance:

VDOT's Project Manager, Mark Gibney, PE, PMP, recently wrote in an email "I want to thank you all for your hard work on the Route 7 Widening Project from Rolling Holly Dr to Reston Ave – you guys have been great to work with! The project will be ADVERTISED TODAY!!".

JMT faced the following challenges, demonstrating our teaming experience and complementary skills and experiences:

- **Constructability** – Developed detailed temporary traffic control plans that included a detour roadway in the existing median to facilitate construction with severe bifurcation between existing roadway while maintaining over 60,000 ADT.
- **Value Engineering** – Prepared studies and Value Engineering Designs to maximize utilization of existing roadway features to keep the project within the Departments budget and on schedule while meeting the project objective to improved capacity and overall safety.
- **Community Support** - Considerable public opposition arose against adding dual left-turn lanes from eastbound Route 7 to eastbound Georgetown Pike. JMT simulated multiple alternatives which maintained the existing right-of-way constraints while also providing the operating levels of service expected from the improvements. An agreement was reached for the intersection configuration and operations after several meetings with the community, elected officials and civic groups.

Lead Designer qualifications to successfully design this Project:

JMT is a recognized leader in transportation engineering, especially with projects that involve local political pressure and environmental constraints. Our history in the relevant projects shown in this proposal, including this project along Route 7, firmly asserts our qualifications to not only successfully design this project but will also successfully build this project.

ATTACHMENT 3.4.1(b)

LEAD DESIGNER - WORK HISTORY FORM

(LIMIT 1 PAGE PER PROJECT)

a. Project Name & Location	b. Name of the prime/ general contractor responsible for overall construction of the project.	c. Contact information of the Client and their Project Manager who can verify Firm's responsibilities.	d. Construction Contract Completion Date (Original)	e. Construction Contract Completion Date (Actual or Estimated)	f. Contract Value (in thousands)		g. Design Fee for the Work Performed by the Firm identified as the Lead Designer for this procurement.(in thousands)
					Construction Contract Value (Original)	Construction Contract Value (Actual or Estimated)	
Name: U.S. 40 at MD 715 INTERCHANGE AND IMPROVEMENTS Location: HARFORD COUNTY, MD 	Name: AMERICAN INFRASTRUCTURE	Name of Client: Maryland State Highway Administration Phone: 410-321-2823 Project Manager: Jessie Free Phone: 410-321-2823 Email: jfree@sha.state.md.us	July 2013 (Original)	July 2013 (Estimated)	\$17,777 (Original)	\$17,777 (Estimated)	\$1,434

h. Narrative describing the Work Performed by the Firm identified as the Lead Designer for this procurement. Include the office location(s) where the design work was performed and whether the firm was the prime designer or a subconsultant.

JMT was the Lead/Prime Designer for the American Infrastructure (AI) D-B Team (DBT). The U.S. 40/MD 715 interchange enhancements project is needed to accommodate additional personnel being relocated to the adjacent to the U.S. Army's Aberdeen Proving Ground (APG) facility as part of the U.S. Department of Defense's BRAC initiative. The Maryland State Highway Administration (MSHA) is adding capacity to the U.S. 40/MD 715 interchange by means of reconstruction and improving adjoining roadways. Intersection improvements are also part of the scope of this project. The work includes widening of MD 715 in both directions between south of Amtrak Bridge to the APG entrance under Phase 1. The Phase 2 work includes upgrading the U.S. 40/MD 715 interchange including widening the bridge on MD 715 over U.S. 40. JMT designed improvements to U.S. 40 and MD 715, connecting ramps, and adjoining roadways, for a total project length of approx. 2.40 miles. Other services include stream relocation designs for the relocation of 800 LF of a stream, drainage design, SWM, ESC, traffic/lighting, landscaping, utility relocation design and coordination and obtaining MDE permits for construction. **All design work was at of JMT's corporate headquarters in Sparks, Maryland just north of Baltimore and included:**

- **Surveys** - Provided supplemental topo surveys to accurately depict the existing conditions, including a detailed bridge survey; approach roadways; and tie-points; drainage/utilities; and stream channel profile and alignment.
- **Utility Relocation and Design** - Extensive utilities were present within the project site that included gas distribution, transmission and power lines feeding APG and local jurisdictions water mains and sewer lines. JMT provided utility coordination with BGE, Verizon, Verizon Business, Comcast, Harford County and the City of Aberdeen Water and Sewer to address the numerous relocations required to accommodate the projects construction. Included in this effort was the relocation design of approx. 1,300 LF of 16" water main, 385 LF of 12" water main, 115 LF of 8" water main, relocation of 12 fire hydrants and the relocation of 405 LF of 8" sewer main that were in direct conflict with the proposed construction. An additional relocation of an existing 8" sewer force main and 1,500 LF of water main were avoided by innovative design changes developed by the D-B Team.
- **Roadway Design** - JMT prepared design plans to address the roadway widening required along Eastbound U.S. 40, along Northbound and Southbound MD 715 leading into APG and along Old Philadelphia Road. The roadway widening design included adjustments to the vertical roadway profiles that minimize the wedge and level requirements and addressed the substandard grades that existed along MD 715 and Old Philadelphia Road.
- **Structural Design** - JMT prepared the design plans for the widening of the existing 203' long, 2-span bridge carrying MD 715 over U.S. 40. The design incorporates aesthetic features on the bridge parapet and abutment wingwalls and ornamental lighting. A 300' long, 20' high MSE retaining wall was designed to support relocated Ramp 6. The design had to consider effects of a proposed SWM pond that was directly adjacent to the wall.
- **Traffic Engineering and Lighting** - JMT design included two new traffic signals, updates to an existing traffic signal and interconnect plans. Detailed MOT and detour plans were prepared to address closing Ramp 6 to allow for construction. The detour plan included the design of a temporary signal along U.S. 40 to accommodate movements lost by the closure of Ramp 6. A TMP was prepared to address proposed improvements and impacts to the motoring public. JMT provided lighting design for partial interchange lighting, bridge aesthetic lighting and provided all coordination with BGE Electric to obtain the required power drops and metering of the lighting.
- **H/H Design & Stream Restoration** - The proposed storm drain consists of approx. 20,000 LF of new pipe, (4) SWM ponds and associated ESC design. SWM design features include (3) wet ponds and (1) extended detention dry pond. Other SWM design features include environmental site design grass swales that consisted of two parallel ditches with the outside ditches utilized to convey the offsite drainage area around the project while the roadside ditches treated the runoff from the adjacent roadway. A portion of the proposed U.S. 40 E.B. widening work impacted approx. 800 LF of an Unnamed Tributary to Cranberry Run from its confluence with Cranberry Run up to its connection with an existing upstream forested wetland. Prepared a Geomorphic Assessment/Stream Restoration Design Report and Plans to relocate the stream to accommodate the widening.
- **Geotechnical Investigations** - Including falling weight deflectometer testing of the pavements, and engineering were provided for earthwork stability, pavement sections, bridge foundations/retaining wall design parameters.
- **Extensive Public Relations and Partnering** - Including attending public meetings, preparation of flyer mailed to over 500 addresses, advertising in local media outlets and the establishment of a toll free information project information number.



Demonstrating a well integrated organization [cooperation among the parts] with proven cooperative work history:

The DBT worked together and formed a partnership of trust beginning with the Contractors DB Manager and JMT's DB Design Manager and throughout the assigned staff of both firms. This trust was built by working together to review plans through the use of over the shoulder constructability review meetings where design staff and construction staff reviewed plans to ensure the work could be constructed most efficiently and also confirmed that construction could be completed within the given ROW while minimizing impacts to the environment. The result of these efforts are evident by the fact the project is under construction and will be completed on schedule with very few field changes being required.

AI and JMT faced the following challenges, demonstrating our teaming experience and complementary skills and experiences:

- Extensive Public Relations Campaign and Partnering Approach to Project was Key to Successful Implementation of a Year Long Detour of Existing Ramp.
- Early and Continuous Coordination and Partnering with numerous Utility Owners was Key to Successfully Meeting Relevant Project Schedule Milestones.
- Continuous Coordination and Communication with MDE was Key to Successfully Meeting Relevant Project Schedule Milestones.

Relevant and verifiable evidence of good performance: A project performance consideration: PM, Jeff Snow, AI Project Manager passed along an article written by Pat Beauchamp in the Aberdeen Proving Ground News. Concerned that the traffic situation at the site would mean "an additional 20 minutes commute time just to avoid gridlock," she reported no such scenario on her first commute with new traffic patterns. Impressed with her "smooth commute," the article complimented the designers, engineers, the media, state and local governments, APG personnel, and the "road construction folks."

Lead Designer qualifications to successfully design this Project: The lead design on this project, JMT faced similar challenges to those that may be found on the Rte 3 project. One specifically noted is the similarity in critical utilities. There were many critical utility relocations required to accommodate the project and many of these relocations served the APG operation which required close coordination and communication to ensure there was not impact to APG operations. JMT and the contractor successfully reduced utility relocations by redesigning portions of the project to eliminate conflicts with utilities. This innovative design and proactive communications and partnering approach to working with the utility companies have resulted in tremendous cooperation between the contractor, designer and utility companies and resulted in no delays to the project due to utility relocations.



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