

# Route 3 Widening

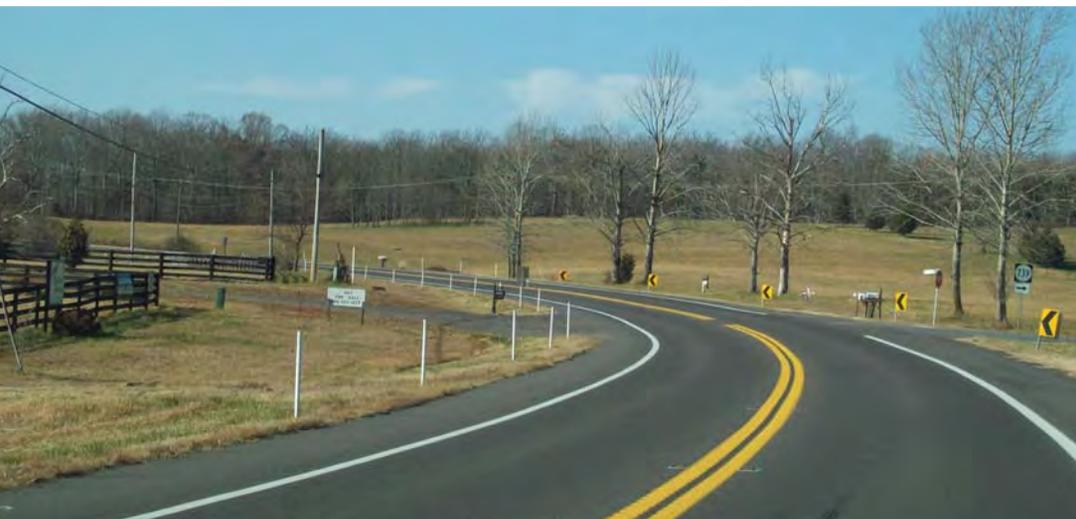
from 4.1 Miles East Route 29 to 4.0 Miles West of  
Culpeper/Orange County Line

Culpeper County, Virginia

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

Federal Project No.: STP-023-7(024)

Contract ID Number: C00014657DB56



January 25, 2013

Submitted by:



Branscome Incorporated

*in association with*

**Baker**

Michael Baker Jr., Inc.

## ■ 3.2 LETTER OF SUBMITTAL

January 25, 2013

Mr. Joseph A. Clark, PE  
Alternative Project Delivery Office  
Virginia Department of Transportation  
1401 East Broad Street; Annex Bldg., 8<sup>th</sup> Floor  
Richmond, Virginia 23219



**RE: Route 3 Widening**  
**State Project No.: 0003-023-107, P101, R201, C501**  
**Contract No: C00014657DB56**

Dear Mr. Clarke:

Branscome, Inc. is pleased to submit our Statement of Qualifications in response to the Virginia Department of Transportation's Route 3 Widening in Culpeper County, Virginia. Branscome, Inc. is one of the largest and most respected contractors in the Mid-Atlantic region having constructed more than \$1 billion of highway and interstate projects in the last five years alone. Our team's lead design firm is Michael Baker Jr., Inc. an ENR Top 25 civil engineering firm with the stability, resources, and personnel depth to provide an outstanding project design. For the Route 3 Widening Project, Branscome is providing the Department with a group of individuals who have the experience and expertise to ensure that schedule, costs, and project controls are balanced to deliver a first-rate, quality project.

Branscome, Inc., Michael Baker Jr., and our additional team partners, herein after referred to as The Branscome Team, feature outstanding companies that have the capabilities to design and construct this project in a quality-focused, efficient and cost-effective manner. The Branscome Team has tremendous experience with highway and interstate projects for VDOT, as well as for municipalities and other government agencies.

The Branscome Team's experience includes interstate construction, interchange improvements, road widening, structures, new roadway construction, and overlay projects. For more than 56 years, Branscome has worked with VDOT to construct hundreds of transportation infrastructure projects in Virginia. Likewise, Michael Baker Jr. has served the Commonwealth of Virginia for nearly 73 years by providing safe and creative engineering solutions for transportation projects.

Branscome will lead the Design-Build Team complimented by our experienced and qualified consultant partners, whom we know are the best fit for the project. We are excited about the project and are poised to attack its challenges once selected. The Branscome Team is 100% committed to delivering a successful, quality project to VDOT on-time and on-budget. We trust that you will find our commitment to VDOT is focused and we look forward to partnering with you on this project.

Sincerely,

A handwritten signature in blue ink that reads 'J. Brent Moore'. The signature is written in a cursive, flowing style.

J. Brent Moore  
General Manager / Assistant Secretary  
Branscome, Inc.

www.branscome.com

432 McLaws Circle  
Williamsburg, Virginia 23185

PHONE: 757-229-2504

FAX: 757-220-0390

### 3.2.2 Offeror's Point of Contact

J. Brent Moore is the official representative and Point of Contact for The Branscome Team. His contact information is as follows:

J. Brent Moore	
Design-Build Project Manager	804.749.3266(Telephone)
2150 Ashland Road	804.744.3203 (Fax)
Rockville, VA 23146	804.347.2930 (Cell)
	<a href="mailto:mooreb@branscome.com">mooreb@branscome.com</a>



### 3.2.3 Offeror's Principal Officer

The principal officer of Branscome, Inc. with whom a Design-Build contract with VDOT would be written is:

Stuart Patterson	757.229.2504 (Telephone)
President	757.220.0390 (Fax)
432 McLaws Circle	757.592.1600 (Cell)
Williamsburg, VA 23185	<a href="mailto:pattersons@branscome.com">pattersons@branscome.com</a>

### 3.2.4 Offeror's Corporate Structure

Branscome, Inc. is a registered Corporation in the Commonwealth of Virginia and will take full financial responsibility for the project. Branscome will provide performance and payment bonds for the required time periods and contract value and will be the team member that will have joint and several liabilities for the performance of the work required for the project. There are no liability limitations.

### 3.2.5 Full Legal Names of Lead Contractor and Lead Design

Branscome, Inc. will be the lead contractor for the project. Michael Baker Jr., Inc. will be the lead designer for the project.

### 3.2.6 Offeror's Affiliates

Branscome, Inc. has one affiliate:

- Colas, Inc.; 163 Madison Avenue, Suite 500; Morristown, NJ 07960

### 3.2.7 Certification Regarding Debarment Forms

The signed Certification Regarding Debarment Forms are found in the Appendix.

### 3.2.8 VDOT Prequalification Number, Status and Evidence

Branscome's VDOT Prequalification number is B850. Our status is active with an expiration date of February 28, 2013. A full-sized copy of our certificate is included in the Appendix.

### 3.2.9 Surety

Branscome's Letter of Surety is included in the Appendix.

### 3.2.10 Registration/License Documentation and Evidence

A completed Attachment 3.2.10 and evidence of our team's registrations and licensure is enclosed in the Appendix.

### 3.2.11 DBE Participation

Branscome is committed to achieving a twenty (20%) percent DBE participation goal for the entire value of the contract. It is the policy of Branscome, Inc. to support the establishment of, preservation of, and contribute to the viability of small businesses owned by women and minorities.

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

432 McLaws Circle

Williamsburg, Virginia 23185

PHONE: 757-229-2504

FAX: 757-220-0390

### ■ 3.3 OFFEROR'S TEAM STRUCTURE

**Branscome Incorporated** will serve as the lead contractor of the Design-Build Team for the Route 3 Widening Design-Build Project. Branscome's role will include managing the entire project, supervising construction and self-performing all major work elements. **Michael Baker Jr., Inc. (Baker)** will provide all engineering design services to the Team except for geotechnical design. **GeoConcepts Engineering** will provide geotechnical design, **EBA Engineering (EBA)** will provide construction quality assurance and **Froehling & Robertson (F&R)** will provide construction quality control.

Together, Branscome and Baker have assembled additional team members dedicated to the quality of work and service that will provide the best value to VDOT. This careful selection of our team members has allowed us to take full advantage of the Design-Build process.

#### The Branscome Team

	<p><b>Branscome Incorporated</b> Offeror / Lead Contractor Project Management Coordinating with VDOT Performing Majority of Construction Supervising Remaining Subcontractor Activities</p>		<p><b>Michael Baker Jr., Inc.</b> Lead Designer Roadway/Hydraulics Design Bridge Design Traffic Design Utility Design Public Involvement Environmental Compliance &amp; Permitting</p>
	<p><b>EBA Engineering, Inc.</b> Quality Assurance</p>		<p><b>Engineering &amp; Materials Technologies, Inc.</b> Quality Assurance Testing Lab</p>
	<p><b>O. R. Colan Associates</b> Right-of-Way Acquisition Construction Easements</p>		<p><b>GeoConcepts Engineering, Inc.</b> Geotechnical</p>
	<p><b>H&amp;B Surveying and Mapping, LLC</b> Design Survey</p>		<p><b>Aquarius Engineering PC</b> Stormwater Management Design</p>
	<p><b>Froehling &amp; Robertson, Inc.</b> Quality Control/QC Testing Lab</p>		<p><b>Williamsburg Environmental Group, Inc.</b> Environmental Permitting &amp; Compliance</p>
	<p><b>Accumark, Inc.</b> Subsurface Utility Engineering</p>		

Baker, EBA, Engineering & Materials Technologies, Inc. (EM Tech), O.R. Colan Associates (ORC), and F&R will be subconsultants to Branscome. The remaining project design firms will be subconsultants to Baker.

#### ■ 3.3.1 IDENTITY OF AND QUALIFICATIONS OF KEY PERSONNEL

The six individuals described below are the key personnel who will successfully deliver this project. Each individual was hand picked for this project based on their past experience and having the necessary skills required for this project. More detailed information on each is provided on the required Key Personnel Resume Forms (Attachment 3.3.1) that appear in the Appendix.

**.1 Design-Build Project Manager (D-B PM): J. Brent Moore (Branscome).** Mr. Moore brings over 35 years of construction experience to the Route 3 Widening project. Throughout his career, Brent has excelled at bringing large transportation projects to completion on time and within budget. As General Manager for Branscome's Richmond region, Brent is responsible for all of the region's operations. In addition, Brent directly manages all of our projects for VDOT. Most recently, Brent was responsible for construction of the \$35 million I-64 Pavement Rehabilitation project in Richmond, Virginia. Brent has personally overseen the construction of hundreds of projects for VDOT and has been a recognized leader in the asphalt paving industry in Virginia for more than 30 years. His expertise in financial and operational management of construction projects will be a substantial asset to this design-build project.



**.2 Quality Assurance Manager (QAM): Kenneth J. Shirley, P.E., CCM (EBA).** Mr. Shirley will ensure the construction quality assurance meets or exceeds VDOT's requirements. He has more than 17 years of experience, including VDOT and private employment experience supervising construction engineering and inspection contracts and providing construction engineering/management QA/QC services. Between 2004 and 2011, Ken was employed as VDOT Culpeper District Construction Engineer (DCE), Fredericksburg DCE and Fredericksburg Residency Administrator. Prior to 2004, Ken worked for TxDOT, Arkansas DOT and Carter & Burgess providing construction engineering and inspection services and management of these services starting in 1995. Ken is a registered, licensed Professional Engineer in the Commonwealth of Virginia.

**.3 Design Manager (DM): Paul Auclair, P.E. (Baker).** Mr. Auclair has over 12 years of experience that includes predominantly roadway design and management of roadway projects. Additional experience includes interchange design, hydraulics, environmental studies, NEPA documentation, railroad design and general civil analysis/design. He has vast project management experience with multi-disciplined projects, including both conventional and design-build delivery methods. Paul currently is Baker's Design Manager for the North Carolina Turnpike Authority \$446 Million (R-2635) Western Wake Freeway Design-Build Project in Raleigh, North Carolina. This project was partially opened in Summer 2012 and fully opened in December 2012. As-built plans and all lead design services by Baker will be completed by April 2013. Paul is a registered, licensed Professional Engineer in the Commonwealth of Virginia.

**.4 Construction Manager (CM): Leith Hartman (Branscome).** Mr. Hartman brings over 30 years of construction experience to the Route 3 Widening project. Leith's most recent project was the \$30 million Princess Anne Road Widening in Virginia Beach where he was responsible for all of the daily operations on the project including scheduling, resource management, customer relations, subcontractor management, as well as managing Branscome's safety and quality control programs. His expertise in constructing large heavy civil and highway projects will be an extremely valuable asset to this design-build project. Leith currently holds the VDOT Erosion and Sediment Control Contractor certification (ESCCC) and will complete the VA Department of Conservation and Recreation (DCR) Responsible Land Disturber (RLD) certification prior to the start of work on this project.

**.5 Lead Utility Coordination Manager (CUM): Jeff Gidley, P.E. (Baker).** Mr. Gidley has extensive experience in the administration, design, and construction of numerous civil utility/infrastructure projects. With over 20 years VDOT experience, Jeff serves as the Utility Project Manager for the VDOT Statewide Utility Field Inspection/Utility Coordination Consulting Services; and the Program Manager for the VDOT Regional Utilities Contract, Region V, Hampton Roads District. Project assignments have included all aspects of utility relocations/adjustments, including more than 50 miles of water and sewer mains (4" to 54"); bridge crossings; overhead utility support structures; pump station relocations; numerous water vault relocations, private utility relocations/adjustments, including electrical duct banks, gas mains, steam lines, jet fuel lines and fiber optic communication systems; corrosion control analysis; railroad crossing permit applications and design and surveying.

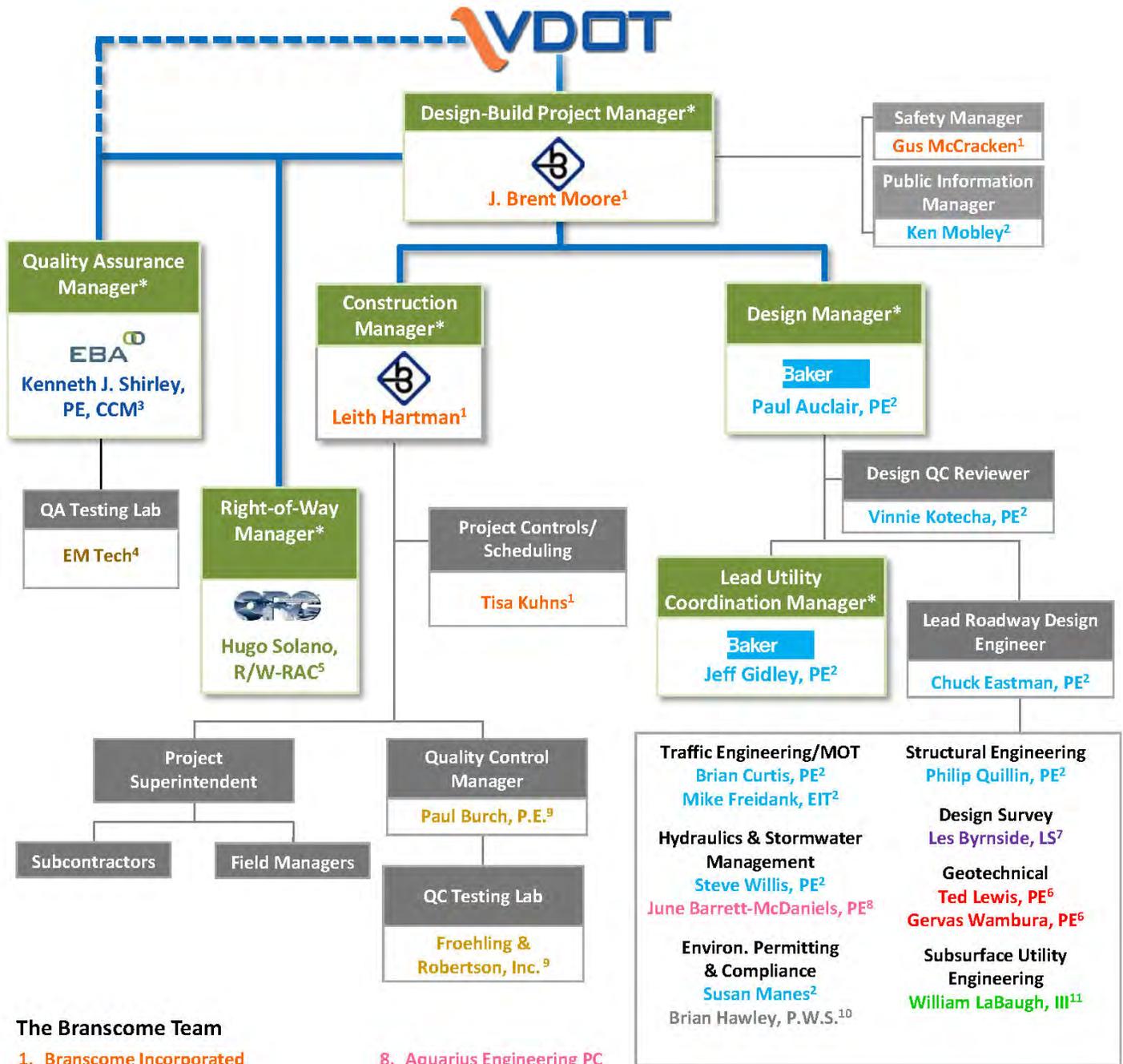
**.6 Right-of-Way Manager (ROWM): Hugo Solano (O.R. Colan).** Mr. Solano will be responsible for ensuring that the acquisition process is in compliance with all applicable laws and regulations. Hugo manages full service right-of-way projects that include acquisition, relocation, appraisal/appraisal review, property management and title services. He is well versed in the application of the "Uniform Act" regulations and applies his knowledge and abilities in solving complex acquisition and relocation issues. Prior to ORC, Hugo worked as an acquisition/relocation agent for the Florida Department of Transportation. He has also implemented and managed all aspects of relocation for hundreds of residential, commercial and billboard relocations.

### ■ 3.3.2 ORGANIZATION CHART

The organizational structure of the Branscome Team is a straightforward chain of command benefiting VDOT by providing a single-source entity, responsible for the complete design and construction of the Route 3 Widening Design-Build project.



The Branscome Team combines the strengths of several companies to address all needs associated with this project. Our organizational chart shows all of our identified team members and graphically depicts the reporting structure within the Team and to VDOT. This Team will remain intact for the duration of the project.



**The Branscome Team**

- 1. Branscome Incorporated
- 2. Michael Baker Jr., Inc.
- 3. EBA Engineering Inc. (DBE & SWAM)
- 4. E.M. Tech (DBE)
- 5. O.R. Colan Associates (SWAM)
- 6. GeoConcepts Engineering, Inc. (DBE)
- 7. H&B Surveying and Mapping, LLC (DBE & SWAM)
- 8. Aquarius Engineering PC (DBE & SWAM)
- 9. Froehling & Robertson, Inc.
- 10. Williamsburg Environmental Group, Inc. (SWAM)
- 11. Accumark, Inc. (SWAM)

\* Key Personnel (as defined on pgs 3 & 4 of RFQ)

**J. Brent Moore, as Design-Build Project Manager (D-B PM)**, will be responsible for all that occurs on the project site or with respect to the overall project to include, but not be limited to: overall preparation of the RFP submission, contract development and execution, design and construction activities, scheduling, quality



management, commitments, and adherence to all permits and regulations. Brent will work directly with the Design Manager and the Construction Manager to confirm adherence to project control elements in the design and construction phases of work, and oversee the coordination of these efforts. **The D-B PM is the single, primary point of contact with VDOT.**

**Kenneth J. Shirley, P.E., CCM, as Quality Assurance Manager (QAM)**, will be responsible for the following: 1) independent overall quality assurance (QA) inspections and testing of all materials used and work performed on the project; 2) monitoring of the Branscome Team's quality control (QC) program; and, 3) ensuring that all work and materials, testing and sampling are performed in accordance with the contract requirements and the approved for construction plans and specifications. **Acting in an independent capacity, the QAM reports directly to both the D-B PM and VDOT**, ensuring that he is not constrained in his work by the requirements of production.

**Paul Auclair, P.E., as Design Manager (DM)**, will be responsible for coordinating the individual design disciplines and ensuring the overall project design conforms with the project requirements. Paul will also be responsible for all design quality control and quality assurance (QC/QA) requirements, as outlined in VDOT's Minimum Quality Control and Quality Assurance Requirements for Design-Build and PPTA Projects. He will report directly to the D-B PM and will be responsible for reviewing the design details and ensuring the design and construction work are properly coordinated. In the design process, Paul will be responsible for monitoring the project design, overseeing the compilation of plans, and determining when the plans are sufficient and ready for quality reviews. Paul will be responsible for all design subconsultants. Paul's role during construction will be maintained as it was during design, in order to ensure constructability with design requirements, and to manage all design-related activities associated with construction as planned and construction revisions.

**Leith Hartman, as Construction Manager (CM)**, will be responsible for the following: 1) performing constructability reviews of RFP documentation and coordinate estimating and operations input and support to D-B PM for proposal submission; 2) day-to-day management of all on-site construction and project activities; 3) management of the construction process including all quality control (QC) activities to ensure that materials used and work performed meet contract requirements and approved construction plans and specifications; and, 4) ensure that all work performed on-site is performed to meet and exceed all safety, quality and environmental requirements of the project. The CM reports functionally to the D-B PM and draws support from the QC Manager and Safety Manager.

**Jeff Gidley, P.E. as Lead Utility Coordination Manager (UCM)**, will be responsible for coordinating all utility relocations and will report to the DM. During the design phase, Jeff will coordinate most closely with design task leads and utility owners to de-conflict existing utilities and provide for coordinated roadway, drainage and utility relocations within a defined corridor that is adapted for the planned traffic management plan. During the construction phase, Jeff will coordinate most closely with construction staff and utility owners to final approve utility relocation plans, ensure inspection of utility relocation construction and to manage any necessary modifications to relocation plans and construction by any utility owner. Coordination and communication with design tasks leads during construction will remain an important part of Jeff's duties to ensure that all construction phase work, including necessary modifications, considers existing utilities and proposed utility relocation plans.

**Hugo Solano, as Right-of-Way Manager (ROWM)**, will report directly to the D-B PM during all phases of the project in order to accurately and expeditiously identify and acquire any right-of-way necessary for the project. During the design phase, Hugo will coordinate significantly with the Design Manager and the D-B PM to accomplish right-of-way acquisitions to support design development. Hugo's coordination with construction team members during the design phase will be thorough as well, to ensure that construction phasing is maintained as planned with regards to critical path right-of-way activities and any necessary staging/phasing revisions are coordinated. Hugo will focus on coordinating mostly with property owners and our construction team once properties have been acquired and construction is underway. He is well versed in the application of



the “Uniform Act” regulations and applies his knowledge and abilities in solving complex acquisition and relocation issues.

**Gus McCracken, as Safety Manager (SM)**, will be responsible for the following: 1) Development of overall project Safety Plan; 2) Performing necessary inspections to ensure all work is performed in compliance with the OSHA, VOSH and other regulatory requirements as well as the site specific Safety Plan and Branscome’s corporate policies; 3) Ensuring that all necessary safety documentation is completed and maintained. The SM reports directly to the D-B PM.

**Paul Burch, P.E., as Quality Control Manager (QCM)**, will be responsible for the following: 1) Development of overall project QC Plan; 2) Performing necessary QC Inspections/Testing to ensure all work is performed in compliance with the contract requirements; 3) Maintaining project documentation including the Materials Notebook. The QCM reports directly to the Construction Manager.

**Chuck Eastman, P.E., as Lead Roadway Design Engineer (LRDE)**, will manage the roadway and hydraulic design and will report to the DM. Chuck’s significant and comprehensive transportation experience will allow him to also oversee and coordinate other design elements to be performed by Baker staff, including retaining walls, maintenance of traffic, stormwater, markings/signing and utility relocations. Chuck will also coordinate the efforts of our subconsultant for right-of-way services (O.R. Colan) and design survey (H&B) because of the dependency of each discipline.

**Brian Curtis, P.E., as Traffic Engineering and Maintenance of Traffic Manager (TMOTE)**, will manage all aspects of traffic control plan development and will report to the DM. Brian’s plan development will be coordinated closely with our LRDE, Mr. Eastman to ensure project design and phasing is fully incorporated, including any temporary pavement and drainage elements to facilitate minimum laneage requirements during the construction phase. Brian will receive and consider significant input from our team’s construction staff, during the design phase, to complete and provide a final traffic management plan that was already jointly coordinated and developed significantly during our team’s bidding phase.

**Susan Manes, as Environmental Compliance Manager (ECM)**, will be responsible for ensuring compliance with all environmental commitments during the construction of the project. Susan will also be integrated into the design quality review team in order to ensure that environmental compliance and commitments are achieved not only during construction, but during all phases of the design process. Susan will report directly to the DM during both design and construction phases of the project.

**Steve Willis, P.E., as Hydraulics Manager (HM)**, will serve as the Hydraulics lead providing drainage analysis and design for the Baker tasks, coordination and oversight of our Hydraulics subconsultant Aquarius Engineering. Steve has extensive experience in hydraulic analysis and design, bridge scour, stormwater management design and preparation of erosion and sediment control design on various roadway projects throughout Virginia varied in scope from rural roadway improvements to multilane urban roadways.

**June Barrett-McDaniels, P.E., as Stormwater Manager (SWM)**, will provide stormwater management services including water quantity and water quality design and preparation of Stormwater Pollution Prevention Plans (SWPPPs). June has provided hydraulic analysis and design, erosion and sediment control and stormwater management design for various roadway projects throughout Virginia and is highly familiar with the needs and requirements associated with VDOT and the Department of Environmental Quality (DEQ).

**H&B**, as a subconsultant for survey services, **Accumark**, as a subconsultant for subsurface utility engineering, and **Williamsburg Environmental Group (WEB)**, as a subconsultant for environmental compliance will each report directly to our Design Manager, Paul Auclair, and will coordinate with other disciplines, including direct supervision from our Baker Lead Roadway Design Engineer, Chuck Eastman. **GeoConcepts**, as a subconsultant for geotechnical services, will maintain this same reporting and coordinating structure through our Design Manager and Lead Roadway Design Engineer, Paul and Chuck, respectively.



### ■ 3.4 EXPERIENCE OF OFFEROR'S TEAM

Branscome Team members have been involved in numerous VDOT, PPTA, and design-build projects together, as well as on other teams. The Team knows what needs to be done, with whom to coordinate, and how to make things happen. This experience together will provide VDOT the best Team for this project.

#### ■ 3.4.1 WORK HISTORY FORMS

Work History Forms (Attachments 3.4.1(a) and 3.4.1(b)) for both Branscome (lead contractor) and Baker (lead designer) are included in the Appendix. The representative projects for both firms reflect the experience of the lead contractor and the lead designer on projects similar in scope and complexity as the Route 3 Widening Design-Build Project. Included below is more information about the experience of the Branscome Team.

#### LEAD CONTRACTOR



**Branscome Incorporated** is the lead contractor and will be responsible for managing the overall project, coordinating with VDOT and other stakeholders, supervising construction activities and performing the majority of the construction.



Branscome has performed over \$1 billion of construction in the Mid-Atlantic region over the last five years with \$750 million of this work being specifically related to highways, bridges and utilities. **Branscome is consistently ranked among the top contractors in the Mid-Atlantic. Furthermore, Branscome is part of the Colas Group, which was ranked in 2012 by Engineering News-Record as the #2 Highway Contractor and #37 overall in their Top 400 Contractors List.** With more than 50 years of work history in the Virginia construction marketplace and a regional workforce of more than 700 and over 1,000 pieces of heavy equipment, Branscome has the resources available to respond immediately to the needs of the Route 3 Widening project. Branscome has regional offices located throughout the Mid-Atlantic region and also operates 11 hot mix asphalt plants and 4 quarries in Virginia and North Carolina. Branscome has successfully constructed hundreds of projects for VDOT, dozens of them having been very similar to the Route 3 Widening project.

The primary focus of Branscome's construction division has been highway construction for the VDOT. Branscome also specializes in other large infrastructure projects such as railways, intermodal facilities, airports, residential subdivisions, retail malls, and distribution centers. Over the last decade, Branscome has been involved in numerous marquee construction projects in Virginia. Among these are the Reconstruction of the Ports of Virginia, the Commonwealth Railway Mainline Safety Relocation Project, the Expansion of the Canon Val Facility in Newport News, and the I-64 Pavement Rehabilitation Project in Richmond. Tight deadlines, strict budget constraints, complex work environments, and unequalled safety and quality requirements defined each of these projects. Branscome successfully delivered each of these banner projects thanks to the quality and expertise of our personnel and the unparalleled resources we possess. Branscome will bring the same attention to safety, quality, planning, and partnering to the Route 3 Widening project to ensure that upon completion, the project will be added to our list of major successes.

#### LEAD DESIGNER



**Michael Baker Jr., Inc. (Baker)** will be the lead designer for this project and will provide all of the necessary roadway and structure design services with the exception of geotechnical design. Ranked in the Top 25 Design Firms by ENR, Baker provides comprehensive engineering, architectural, planning, environmental and construction services for the development of surface transportation projects. Over the past eight years, the Virginia design team has developed roadway designs and construction plans for 15 projects totaling \$300 million in construction. Throughout the development of these projects, Baker's engineers have proved their ability to provide common-sense solutions to complex problems.

*Unique among transportation engineering firms, Baker has established a design-build group comprised of highly experienced and talented engineers who specialize in project management and design services for design-build and alternative delivery projects.* In the past 12 years, Baker has pursued more than \$8 billion in design-build construction and has been successful on more than \$3 billion of those pursuits. Baker has led the



design effort for design-build projects ranging from \$5 million to \$1.1 billion and are dedicated to the design-build delivery system and will spare no expense to maintain their reputation as a leader in this industry.

The collaboration of one of the best highway contractors on the east coast with one of the leading design-build designers in the country provides VDOT with a highly qualified and creative team. The Branscome Team has proven experience in the application of VDOT policies and procedures, AASHTO standards, and FHWA guidelines and will ensure the successful delivery of the project.

### ADDITIONAL DESIGN AND QUALITY MANAGEMENT SUBCONSULTANTS

When assembling a design team, the Branscome Team uses a merit-based process for selecting subconsultants to provide the best value solution. The Branscome Team first identifies project tasks that require specific expertise that is either not available within the Branscome Team organization, or is more efficiently provided by an outside firm due to local knowledge or other factors. When feasible, qualified DBE firms are used. The criteria for selecting subconsultants include technical capabilities, prior experience with VDOT and working relationship with the Branscome Team. The Branscome Team recognizes the value of creating lasting relationships with key subconsultants.

#### ❖ Our design team members include:

 **O.R. Colan ASSOCIATES** RIGHT-OF-WAY: O.R. Colan Associates (ORC) - ORC is certified as a VDOT SWAM firm and specializes exclusively in land acquisition, relocation, and program management for public works projects. ORC's extensive Virginia experience includes projects such as the Pocahontas Parkway – 895 Connector in Richmond, the Route 1 North and South in Prince William County, the 10th St Project in Roanoke County and the VDOT Western Region On-Call contract in Floyd and Montgomery counties. ORC presently maintains a full service office in Roanoke. Staff is very familiar with all VDOT policies and procedures, as well as the application of the RUMS system to right-of-way acquisition projects. Baker and ORC have worked together on the improvements to the West Shoreway highway project and the Wadsworth Municipal Airport in Ohio.

 **GeoConcepts Engineering, Inc.** GEOTECHNICAL & QA LAB TESTING: GeoConcepts Engineering, Inc. - GeoConcepts is a woman/minority owned business located in Ashburn, Virginia that provides professional geotechnical engineering, hydrogeologic, and environmental consulting services to public and private sector clients. GeoConcepts is certified as a DBE and SWAM by local government and public agencies including VDOT and the Commonwealth of Virginia. GeoConcepts is particularly well-suited for this Route 3 Culpeper design-build project due to their experience providing geotechnical engineering services for over 30 VDOT projects in the last 10 years, their expertise working with the geologic conditions found within Culpeper County and Orange County, and their involvement on design-build transportation projects of similar scope. For example, GeoConcepts recently completed geotechnical engineering design services for three VDOT Culpeper District bridge replacement projects.

 SURVEY & SUBSURFACE UTILITY ENGINEERING: H&B Surveying and Mapping, LLC (H&B) - H&B is certified as a VDOT DBE firm and is a full service land surveying firm led by a team of professionals with more than 75 years of experience. H&B has surveyed transportation projects throughout Virginia including 13 complete bridge situation surveys for bridge rehab and replacement.

H & B currently is a subconsultant for surveying services for the following On-Call Term Contracts for VDOT:

- VDOT - Limited Services Design Term Contract for the Northern Virginia District
- VDOT - Limited Services Statewide Design Term Contract (member of Baker led team)
- VDOT - Statewide New Bridge Design Limited Services Term Contract
- VDOT - Statewide Limited Services Term Contract for Utility Relocation Design and Associated Services
- VDOT - Statewide Noise Abatement Engineering Services
- VDOT - Limited Services Statewide Surveying, Photogrammetry and Subsurface Utility, Two-Year
- VDOT - Limited Services Statewide Subsurface Utility & Location Term Contract, Two-Year



**STORMWATER: Aquarius Engineering PC** is a VDOT-certified DBE civil engineering consultant firm specializing in stormwater management analysis, design and permitting. Aquarius opened in Virginia Beach in July 1993 by June Barrett-McDaniels, P.E. Aquarius Engineering specializes in watershed studies and master plans, drainage analysis and design for roadway projects, bridge crossings, and design of Best Management Practices for pollution control. Aquarius also provides erosion and sediment control plans and site design. Aquarius Engineering has extensive experience in VDOT roadway projects throughout the state. Baker and Aquarius have worked together on a number of projects throughout Virginia including:

- Research Center Drive Blacksburg, Virginia
- Route 672 in Staunton, Virginia
- Route 8 in Riner, Virginia
- Military Highway Continuous Flow Intersection in Norfolk, Virginia.



**ENVIRONMENTAL PERMITTING & COMPLIANCE: Williamsburg Environmental Group, Inc. - Williamsburg Environmental Group, Inc. (WEG)** is a full-service environmental consulting and engineering firm that serves both the public and private sectors in providing timely and cost-effective solutions to today's complex environmental issues. WEG has worked on transportation projects throughout Virginia. WEG, a SWaM certified small business, was founded in 1990 with a current staff of 100 from offices located in Fredericksburg, Richmond and Williamsburg, Virginia. WEG has worked with Virginia Department of Transportation (VDOT) since 2003. Currently, WEG is under contract with the VDOT on all three of the environmental statewide on-call contracts. In addition to its regulatory experience, WEG has provided both stream and wetland compensatory mitigation services for the VDOT including onsite in-kind self-mitigating stream relocation design services.



**SUBSURFACE UTILITY ENGINEERING: Accumark, Inc. (Accumark)** - Accumark

provides professional Subsurface Utility Services on a daily basis across Virginia and the mid-Atlantic region. These services include utility designating, locating, survey and computer drafting. The company also provides ancillary services as needed including ground penetrating radar (GPR) scans, CCTV sewer inspection, topographic surveys and underground storage tank (UST) locating. Accumark is a certified small business with the Commonwealth of Virginia. Accumark's Design-Build or VDOT experience includes:

- VDOT - Statewide Survey, Photogrammetry and Subsurface Utility Designation/Location Term Contract
- Fort Lee New Logistics University Design-Build Project, Fort Lee, Virginia
- Dulles Metro Rail Utility Relocation Design-Build Project, Fairfax County, Virginia

Baker, F&R, H&B, and Accumark have recently worked together on the VDOT task order contract for widening Route 709 in Accomack County.

❖ Our [quality team](#) members include:



**QUALITY ASSURANCE: EBA Engineering, Inc. (EBA)** - EBA has over 30 years of

construction management and inspection experience as a prime consultant with the Maryland State Highway Administration on over a dozen continuous, district-wide inspection contracts and approximately eight years of experience as a subconsultant to the Virginia Department of Transportation (VDOT) providing QC, QA, and IV/IA inspection services on district-wide and design-build contracts. EBA's professional services include civil/site, environmental, geotechnical, structural, transportation, and water systems engineering; construction management and inspection; surveying and mapping; and materials testing. Below are sample projects EBA has performed for VDOT:

- VDOT Salem District-wide Construction Engineering and Inspection Services Contract providing CM, QA and QC services
- VDOT Bristol District-wide Construction Engineering and Inspection Services Contract providing CM, QA, QC and IV/IA services
- VDOT Richmond District-wide Construction Engineering and Inspection Services Contract providing CM, QA and QC services





**QUALITY ASSURANCE TESTING LAB: Engineering & Materials Technologies, Inc. (E.M. Tech)** – Established in January 1997, E.M. Tech is a full service engineering firm

providing materials testing, construction quality control/quality assurance, geotechnical, structural and forensic engineering services. E.M. Tech is registered as a Disadvantaged Business Enterprise (DBE) with the Commonwealth of Virginia, the Metropolitan Washington Airports Authority (MWAA), and the Washington Metropolitan Area Transit Authority (WMATA). E.M. Tech project list includes public, commercial, school, industrial, office, and residential developments involving many different methods and types of construction. E.M. Tech has or is currently providing quality control/testing services, quality assurance services, laboratory services or structural design services for the following projects:

- Washington Dulles International Airport
- Ronald Reagan Washington National Airport
- Manassas Regional Airport
- Metro Bridges (Washington Metropolitan Area Transit Authority)
- Dulles Metro Rail Silver Line extension
- Virginia Department of Motor Vehicles Truck Weigh Station in Dumfries, Virginia
- I-495/Capital Beltway HOT Lanes



**QUALITY CONTROL TESTING LAB: Froehling & Robertson, Inc. (F&R)** – F&R is a multi-disciplinary woman owned engineering firm that provides clients with the full range of services, including construction materials testing and geotechnical and environmental engineering. F&R maintains a fleet of drilling equipment as well as accredited geotechnical and construction materials testing laboratories used by each of their twelve offices. F&R's laboratories are accredited by the

AASHTO (AMRL/CCRL), U.S. Army Corps of Engineers, and WACEL. Technical personnel are certified by agencies including ACI, ASTM, AWS, ICC, NICET, and WACEL. F&R project experience includes:

- VDOT In-Situ Geotechnical Testing Annual Contract
- Route 288– Route 60 to Route 64 Section, Chesterfield and Powhatan Counties, Virginia
- I-81 Corridor Safety Improvements, Montgomery County, Virginia
- Dulles Toll Road Expansion of I-495 Interchange, Fairfax County, Virginia

### ■ 3.5 PROJECT RISK

The Branscome Team has already gathered key members of our construction and design team for this project and has held a “Risk Meeting.” Our Risk Meeting was conducted after a field visit and review of VDOT RFQ and technical documents was performed. The results of our meeting are simplified below in our “Project Risk Register” to indicate the top three critical risks for this project. Our team considers these risks the most critical and relevant to the success of the project. As such, these risks have the greatest potential for significant negative impact, including; time, cost, safety and quality. These risks will also require the most intensive mitigation strategies to reduce and eliminate the negative impacts.

#### ■ 3.5.1 CRITICAL RISK ITEMS

PROJECT RISK REGISTER		
Critical Risk Item	Impacts	Mitigation
<p><b>No. 1 – Maintenance of Traffic / Roadside Access:</b> Particular risk at peak hours in developed sections of project requiring access to residents and businesses. This could result in traffic hazards, compromised safety and possible accidents in this rolling terrain.</p>	<ul style="list-style-type: none"> <li>• Worker/Public safety</li> <li>• Travel delays</li> <li>• Safe business access</li> </ul>	<ul style="list-style-type: none"> <li>• Comprehensive public outreach program</li> <li>• Highly visual traffic control measures</li> <li>• Aggressive work zone maintenance</li> </ul>
<p><b>No. 2 – ROW Acquisition:</b> Right-of-way (ROW) acquisition required to begin construction and maintain the project schedule as planned during pre-bid phase, including historic property acquisition. Complex acquisitions result in delays to design, construction activities/schedule and raise project costs.</p>	<ul style="list-style-type: none"> <li>• Schedule Delay</li> <li>• Cost Increase</li> </ul>	<ul style="list-style-type: none"> <li>• Incorporate all MOA Section 106 Measures</li> <li>• Proper Coordination</li> <li>• ROW research during RFP phase</li> <li>• ROW Kick-off Meeting upon Project NTP</li> </ul>
<p><b>No. 3 – Utility Relocations:</b> This corridor accommodates existing utility encroachments for overhead power distribution and communications as well as buried communications, both fiber and copper. Relocation design and construction must be phased adequately, as planned during pre-bid, in order to maintain contractor schedule and cost control.</p> <p>There are also three sizable (30”, 36” and 42”) gas transmission mains crossing the alignment at approximate Sta. 288. Coordination with the Owner of these lines (Transcontinental Gas Pipeline Corporation) will be required to adequately protect and avoid a conflicts.</p> <p>A minor 2-inch gas main owned by Columbia of Virginia may require relocation in this general area.</p>	<ul style="list-style-type: none"> <li>• Schedule Delay</li> <li>• Cost Increase</li> </ul>	<ul style="list-style-type: none"> <li>• Early and effective coordination with utility owners.</li> <li>• Utility research during RFP phase. Proper assumptions and scope for post-award phase.</li> <li>• Develop and coordinate a phased relocation plan to allow roadway construction to begin as quickly as possible.</li> <li>• Determine clearance requirements and/or protective measures required to avoid conflicts with gas transmission mains at Sta. 288.</li> </ul>

The Branscome Team has completed hundreds of transportation projects, small to large and in various project delivery methods, each with requirements to identify and mitigate risk and deliver a quality project on time and at budget. Our Team has used our successful project experiences to identify the three most critical risks for this project and will draw on this same experience to mitigate these risks and to minimize additional efforts required by VDOT and other stakeholders to address risks.



The following paragraphs describe in further detail the three critical risk items our team has identified for this project.

### Critical Project Risk No. 1 – MAINTENANCE OF TRAFFIC/ROADSIDE ACCESS

**Criticality and Impact of Risk:** Maintenance of traffic is always an important issue during highway construction. Drivers may experience delays as they traverse the work zone, which in turn, increases public attention to a project. In addition to the drivers travelling through the corridor, the local residents and business community may be impacted as well. A poorly maintained project may divert potential customers away from the local businesses to locations with a less congested travel route. The local residents stand to be impacted by potentially being delayed travelling to and from their homes as well as for example, making a simple trip to the local grocery store. Most travelers won't mind a few days of impact to their commute but, as delays continue, the public's aggravation and awareness of the project heighten. This awareness brings planning, implementing, and communicating traffic control measures to the forefront of any highway project. This is further magnified on a design-build project. The compressed schedule usually associated with a design-build project, requires careful planning and coordination to ensure that the impact to the public is kept to a minimum and drivers are given a safe travel path through the project. Additionally, the data supplied in the RFQ package suggests that the crash rate along this section of Route 3 is particularly high, especially in light of its rural location. Statistics like these provided make the safety of the traveling public, as well as that of our construction force, our largest risk factor and therefore, our top priority for the project.

**Mitigation of Risk:** Proper maintenance of traffic will be critical in mitigating this risk. Branscome's extensive experience in highway and road construction will be extremely valuable in ensuring public safety on this project. Our crews are trained to identify hazards and each crew member is given the authority to take action to address hazards as they are uncovered. All of our crew leaders possess Traffic Control Technician (TCT) certification and many have obtained Traffic Control Supervisor (TCS) certification. In addition to providing properly trained personnel, we will also assign a safety professional to the project. We have identified this position on our organizational chart included in this package. A large portion of this person's responsibilities will be to ensure that our traffic control measures exceed regulatory requirements and that the work zones are monitored and maintained on a routine basis.

During the design phase, the Branscome Team will develop a Traffic Management Plan (TMP). This will involve a detailed analysis of the existing traffic conditions and developing a traffic control model to address the needs of the project. This will include, but not be limited to, installing appropriate advanced warning signs, providing variable message sign, and evaluating the use of alternative work hours and if need be, perform portions of the work at night. We will provide advanced warning of all traffic pattern changes, and we will reevaluate our traffic impact daily and adjust our operations as necessary to minimize our impacts.

In addition to these tangible controls, our team will develop and implement a comprehensive public outreach program. Our public relations team will work diligently to keep the general public informed of what to expect when driving on the project and provide the public with information on alternative routes for their commute. This will be done through such avenues as a project website, radio ads, town-hall style information meetings and coordination with local television stations to name a few.

**VDOT Involvement:** We may ask that VDOT occasionally assist us in our public relations effort, but we expect that VDOT and other agencies' involvement will be very minimal. We understand the impacts that our operations will have on the local community and others who use this corridor and have the expertise to keep these impacts to a minimum.

### Critical Project Risk No. 2 – RIGHT-OF-WAY ACQUISITION

**Criticality and Impact of Risk:** The Design-Build Team has identified ROW acquisition as a potential risk item for this project in terms of both cost and schedule. Our Team delivering ROW on time and in an efficient and cost-effective manner is critical to the overall success of the project. Additionally, this project contains historical properties which will be affected. Early coordination between VDOT, SHPO, VCWT and the



NRHP has occurred and addresses risk and mitigation associated with historical property acquisition in its build alternative through the executed MOA agreement developed pursuant to Section 106 of the National Historic Preservation Act.

The acquisition of historical properties is always a sensitive issue for projects such as this. Various properties have been identified as being needed for the build alternative selected. They include Mount Pony Rural Historic, Clover Hill, Salubria, Morton's Ford Battlefield, Brandy Station Battlefield Historic District, Rose Hill and Brooke Run Quarry. Failure to address and mitigate these properties can affect and jeopardize funding and delay the acquisition process and overall construction schedule. Additionally, public perception of the project can also suffer when the ROW program is not handled in a professional and courteous manner. Therefore, effective communication between the ROW consultant, the Design-Build Team and all stakeholders is critical in terms of identifying issues of concerns in the field relative to owner concerns and plan changes during the course of property acquisition. The project will displace four residential properties in this rural area, therefore effective planning is needed to identify suitable replacement sites in close proximity to the project area.

**Mitigation Strategies:** Our Team will include the following strategies to address this risk:

1. Historical Property Acquisition:
  - a. Incorporating all design considerations and Section 106 MOA mitigations
  - b. Coordinate with VCWT for the design and placement of eight interpretive markers of the Brandy Station Battlefield, per Section 106 MOA.
  - c. Continued examination during final design to minimize right of way acquisition through the purchase of easements as opposed to fee title.
  - d. Future meetings with VDOT to determine additional mitigation efforts prior to ROW acquisition.
  - e. Fully correlate right-of-way acquisition into the development of our overall project schedule as planned for during our Team's bidding phase efforts
  - f. Coordinate and institute a "ROW Kick-off Meeting" within 10 days of project NTP with our team and VDOT to determine proper contacts, final activity durations and procedures for approval of administrative settlements above fair market value.
2. Property Acquisition and Relocation:
  - a. Integration of the ROW schedule into the project schedule.
  - b. Coordination with VDOT on the approval process and identification of the POCs between the agency and the Design-Build Team.
    - i. Design-Build Team is responsible for obtaining appraisal reports and review. VDOT personnel to make final acceptance of appraisal reports and set just compensation.
  - c. The ROW Manager must work closely with the Design-Build Team and set bi-weekly meetings to review schedule, plan changes, acquisition and relocation status as well as coordination efforts with VDOT for the historical properties needed for the project.

**VDOT Involvement:** VDOT must provide timely review of early submittals to accelerate establishment of fair market value offers for ROW and relocation determinations. In those instances where an agreement cannot be reached with a property owner and the need for eminent domain arises, our Team will prepare the condemnation packages and submit to VDOT to initiate condemnation proceedings. It is critical that parcels which need to be condemned be identified as early on in the process as possible in order to give the attorneys sufficient time to file the case. This becomes even more important in those cases where relocation is also involved on a parcel being condemned. The Design-Build Team will work closely with VDOT regarding the acquisition of historical properties to insure that mitigation factors have been executed and handled per the agreed upon guidelines.



### Critical Project Risk No. 3 – UTILITY RELOCATIONS

**Criticality and Impact of Risk:** The Branscome Team expects utility relocations within the project limits performed by others will be the highest utility risk item. This risk will predominantly come in the form of schedule delay. Specifically, utility company decision-making during their relocation design and construction phases could be delayed and cause overall project delay.

**Mitigation of Risk:** During the RFP phase, our Team will perform in-person coordination meetings with utility companies anticipated to have relocations, in order to mitigate risk of schedule delay and cost overruns. We will determine the extent of relocations needed to accommodate our preliminary design concept and will quantify these costs (by our team and by others) in our bid. Our Team's schedule development during the RFP phase will include adequate duration to coordinate, design and construct the required utilities anticipated at the time of bidding and required by VDOT's RFP.

During post-award phase and in order to mitigate utility risk, our Team will invite all utility owners to a group kickoff meeting to: discuss the expected conflicts, the planned relocations and the corresponding phased schedule durations incorporated during the RFP phase. Our Team will then conduct individual meetings with each owner to coordinate their efforts and our team's efforts with regards to cost responsibilities, design and construction. We will also conduct bi-weekly utility coordination meetings, inviting VDOT and all utility owners, to ensure the relocation paperwork, designs and construction operations are maintaining the proposed schedule and that utility owners have all necessary information to complete their work. Our Team will use an internet-based SharePoint site to promote coordination with utility owners and VDOT and document control.

In order to ensure timely post-award start of construction and to maintain adequate roadway construction progress, we will implement our **phased construction approach** developed during the RFP phase. Specifically, we expect to phase utility relocations in the form of OHE electrical distribution lines with/without under-build of communication lines concurrently with any underground communication lines in a particular section needing to be available for roadway construction. We expect adequate ROW and adequate utility corridor space will be available to develop and implement our plan based on preliminary plans provided to date. We do not see risk with existing public water or sewage pipeline facilities running longitudinally along the corridor. Our plan will be to coordinate these utility relocations to adequate section breaks with each utility to ensure that resulting utility relocation durations/schedules are reasonable and agreed to by the utility owner during RFP phase. Equally important to determining reasonable utility sections/phasing/schedules, is the coordination of ROW acquisition schedule per these same utility sections. Land will be bought and clearing will occur such that utility relocations can be achieved per plan where existing OHE and COMM utilities are generally moved further back. The risk of ROW and utility relocation delay will be mitigated by our team during the RFP phase and the post-award phase with implementation of this plan as noted and to significant detail to ultimately not delay the planned roadway construction. The utility relocation schedule will be phased and coordinated with the roadway construction schedule to allow for sections of the roadway to be constructed concurrently with the utility relocations. In the event of unforeseen utility relocation delays by the owners, our team will be prepared to adjust our work plan, to also mitigate schedule delay risk, by working behind existing OHE power lines and underground COM lines to progress the roadway widening portion of the work. If roadway production work is impacted and an additional mitigation strategy is needed, we will coordinate adjusted (and longer) utility section breaks with utility owners, as needed.

**VDOT Involvement:** Our Team anticipates VDOT, permit agencies and utility owners will be responsible for respective scope and cost in accordance with current VDOT guidelines and final RFP requirements. Our Team does not expect to request that VDOT, permit agencies or utility owners be responsible for additional activities or risk above and beyond this.





**ATTACHMENT 3.1.2**

**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.

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

**ATTACHMENT 3.1.2**

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

**STATEMENT OF QUALIFICATIONS CHECKLIST AND CONTENTS**

<b>Statement of Qualifications Component</b>	<b>Form (if any)</b>	<b>RFQ Cross reference</b>	<b>Included within 15-page limit?</b>	<b>SOQ Page Reference</b>
<b>SCC and DPOR registration documentation (Appendix)</b>	Attachment 3.2.10	Section 3.2.10	no	Appendix behind divider sheet
Full size copies of SCC Registration	NA	Section 3.2.10.1	no	Appendix behind divider sheet
Full size copies of DPOR Registration (Offices)	NA	Section 3.2.10.2	no	Appendix behind divider sheet
Full size copies of DPOR Registration (Key Personnel)	NA	Section 3.2.10.3	no	Appendix behind divider sheet
Full size copies of DPOR Registration (Non-APELSCIDLA)	NA	Section 3.2.10.4	no	Appendix behind divider sheet
<b>DBE statement within Letter of Submittal</b> confirming Offeror is committed to achieving the required DBE goal	NA	Section 3.2.11	yes	2
<b>Offeror's Team Structure</b>				3
Identity of and qualifications of Key Personnel	NA	Section 3.3.1	yes	3-4
Key Personnel Resume – DB Project Manager	Attachment 3.3.1	Section 3.3.1.1	no	Appendix behind divider sheet
Key Personnel Resume – Quality Assurance Manager	Attachment 3.3.1	Section 3.3.1.2	no	Appendix behind divider sheet
Key Personnel Resume – Design Manager	Attachment 3.3.1	Section 3.3.1.3	no	Appendix behind divider sheet
Key Personnel Resume – Construction Manager	Attachment 3.3.1	Section 3.3.1.4	no	Appendix behind divider sheet
Key Personnel Resume – Lead Utility Coordination Manager	Attachment 3.3.1	Section 3.3.1.5	no	Appendix behind divider sheet
Key Personnel Resume – Right of Way Manager	Attachment 3.3.1	Section 3.3.1.6	no	Appendix behind divider sheet

**ATTACHMENT 3.1.2**

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

**STATEMENT OF QUALIFICATIONS CHECKLIST AND CONTENTS**

<b>Statement of Qualifications Component</b>	<b>Form (if any)</b>	<b>RFQ Cross reference</b>	<b>Included within 15-page limit?</b>	<b>SOQ Page Reference</b>
Organizational chart	NA	Section 3.3.2	yes	5
Organizational chart narrative	NA	Section 3.3.2	yes	5-7
<b>Experience of Offeror's Team</b>				8-11
Lead Contractor Work History Form	Attachment 3.4.1(a)	Section 3.4	no	Appendix behind divider sheet
Lead Designer Work History Form	Attachment 3.4.1(b)	Section 3.4	no	Appendix behind divider sheet
<b>Project Risk</b>				12-15
Identify and discuss three critical risks for the Project	NA	Section 3.5.1	yes	12-15



**ATTACHMENT 2.10  
(Form C-78-RFQ)**

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

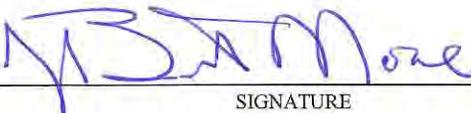
RFQ NO. C00014657DB56  
 PROJECT NO.: 0003-023-107, P101, R201, C501

**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)

  
 \_\_\_\_\_  
 SIGNATURE

1/25/2013  
 \_\_\_\_\_  
 DATE



**ATTACHMENT 3.2.6**





**ATTACHMENT 3.2.7(a)**  
**ATTACHMENT 3.2.7(b)**

**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.

*[Handwritten Signature]*  
Signature

1/15/13  
Date

GENERAL MANAGER / ASST. SECY.  
Title

BRANSCOME, INC.  
Name of Firm

**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.

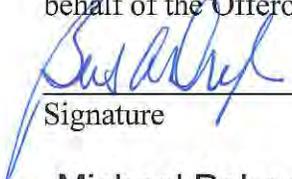
b) Have not within a three-year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State or local) transaction or contract under 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.

 1/21/2013 Vice President  
Signature Date Title

Michael Baker Jr., 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.

      01/14/13  
Signature      Date

First Exec. VP  
Title

EBA Engineering, Inc.  
Name of Firm

**ATTACHMENT NO. 3.2.7(b)**

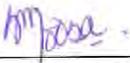
**CERTIFICATION REGARDING DEBARMENT  
LOWER TIER COVERED TRANSACTIONS**

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 7, 2013	Principal Engineer
Signature	Date	Title

Engineering and Materials Technologies, Inc.  
Name of Firm

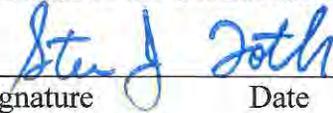
**ATTACHMENT NO. 3.2.7(b)**

**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.

	12-17-2012	Chief Operating Officer
Signature	Date	Title

O. R. Colan Associates of Florida, LLC  
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.

Leslie R. Bynode      1/8/13      Vice President  
Signature                      Date                      Title

H&B SURVEYING and Mapping LLC  
Name of Firm

**ATTACHMENT NO. 3.2.7(b)**

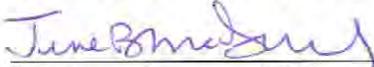
**CERTIFICATION REGARDING DEBARMENT  
LOWER TIER COVERED TRANSACTIONS**

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.

	1/4/2013	President
Signature	Date	Title

Aquarius Engineering PC  
Name of Firm

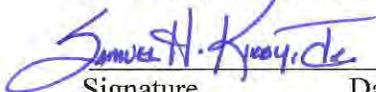
ATTACHMENT NO. 3.2.7(b)

**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

Froehling & Robertson, Inc.  
Name of Firm

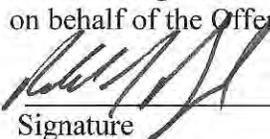
**ATTACHMENT NO. 3.2.7(b)**

**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.

	December 28, 2012	President
Signature	Date	Title

Williamsburg Environmental Group, 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.

J. Roy Meehan      1-10-13      President  
Signature                      Date                      Title

Accumark, Inc.  
Name of Firm



Offeror's VDOT Prequalification Certificate



**Offeror's VDOT  
Prequalification  
Certificate**



COMMONWEALTH OF VIRGINIA



## CERTIFICATE OF QUALIFICATION

**BRANSCOME INC.**

Vendor Number: **B850**

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; ASPHALT CONCRETE PAVING; CLEARING AND GRUBBING; ROADWAY MILLING; UNDERGROUND UTILITIES

**Issue Date:** 02/29/2012

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

A handwritten signature in blue ink, appearing to read "S. Lucas".

Suzanne FR Lucas Prequalification Officer

A handwritten signature in blue ink, appearing to read "Don E. Silies".

Don E. Silies, State Contract Officer



**Surety Letter**



January 25, 2013

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

Telephone: 610-964-8700  
Fax: 610-254-5600  
Website: www.willis.com

Direct Line: 610-254-5647  
E-mail: wendy.wadkins@willis.com

**RE: Branscome, Inc. Bonding Qualification Letter**  
**State Project No.: 0003-023-107, P101,R201,C501**  
**Design-Build Project, Route 3 Widening, From: 4.1 Miles East Rte. 29 To: 4.0 Miles West of**  
**Culpeper/Orange County Line**

Dear Mr. Clarke:

As surety for Branscome, Inc., Liberty Mutual Insurance Company with A.M. Best Financial Strength Rating A (Excellent) and Financial Size Category XV (\$2 Billion or Greater) and Fidelity and Deposit Company of Maryland with A.M. Best Financial Strength Rating A+ (Superior) and Financial Size Category XV (\$2 Billion or Greater) is capable of obtaining 100% Performance Bond and 100% Labor and Materials Payment Bond in the amount of the anticipated cost of construction, and said bonds will cover the Project and any warranty periods as provided for in the Contract Documents on behalf of the Contractor, in the event that such firm be the successful bidder and enter into a contract for this Project.

We have approved bonds for their projects in excess of \$50,000,000.00, with an aggregate bonding capacity of \$500,000,000. The approval for all bonds is contingent upon the review and acceptability of the underwriting terms at the time of the request by the Principal and bond forms acceptable to the Principal and Surety and written evidence that adequate financing has been made available for this project.

It is understood, that any arrangement for the performance and payment bonds is a matter between Branscome, Inc. and ourselves, and we reserve the right to perform normal underwriting at the time of the final bond request, to include, but not limited to the acceptability of the project contract documents, bond forms and financing. We assume no liability to third parties or to you if for any reason we do not execute the said bonds.

Should you have any questions, please do not hesitate to call.

Very truly yours,

**LIBERTY MUTUAL INSURANCE COMPANY & FIDELITY AND DEPOSIT COMPANY OF MARYLAND**

**WENDY LEE WADKINS**  
**ATTORNEY-IN-FACT**

Attached

cc: Mr. Mike Colbert  
Branscome, Inc.

Ms. Kelley Brown  
Liberty Mutual Insurance Company

Mr. Paul Belliveau  
Zurich NA

**THIS POWER OF ATTORNEY IS NOT VALID UNLESS IT IS PRINTED ON RED BACKGROUND.**

This Power of Attorney limits the acts of those named herein, and they have no authority to bind the Company except in the manner and to the extent herein stated.

Certificate No. 5616222

American Fire and Casualty Company  
The Ohio Casualty Insurance Company  
West American Insurance Company

Liberty Mutual Insurance Company  
Peerless Insurance Company

**POWER OF ATTORNEY**

KNOWN ALL PERSONS BY THESE PRESENTS: That American Fire & Casualty Company and The Ohio Casualty Insurance Company are corporations duly organized under the laws of the State of Ohio, that Liberty Mutual Insurance Company is a corporation duly organized under the laws of the State of Massachusetts, that Peerless Insurance Company is a corporation duly organized under the laws of the State of New Hampshire, and West American Insurance Company is a corporation duly organized under the laws of the State of Indiana (herein collectively called the "Companies"), pursuant to and by authority herein set forth, does hereby name, constitute and appoint, Charles N. Parsons; Christopher F. Mulvaney; Jane L. Cole; Leonard R. Dwojeski; Mark A. Lynch; Mark V. Niemeayer; Vicki Johnston; Vincent J. Mancini; Wendy Lee Wadkins

all of the city of Radnor, state of PA each individually if there be more than one named, its true and lawful attorney-in-fact to make, execute, seal, acknowledge and deliver, for and on its behalf as surety and as its act and deed, any and all undertakings, bonds, recognizances and other surety obligations, in pursuance of these presents and shall be as binding upon the Companies as if they have been duly signed by the president and attested by the secretary of the Companies in their own proper persons.

IN WITNESS WHEREOF, this Power of Attorney has been subscribed by an authorized officer or official of the Companies and the corporate seals of the Companies have been affixed thereto this 16th day of October, 2012.



American Fire and Casualty Company  
The Ohio Casualty Insurance Company  
Liberty Mutual Insurance Company  
Peerless Insurance Company  
West American Insurance Company

By: Gregory W. Davenport  
Gregory W. Davenport, Assistant Secretary

STATE OF WASHINGTON ss  
COUNTY OF KING

On this 16th day of October, 2012, before me personally appeared Gregory W. Davenport, who acknowledged himself to be the Assistant Secretary of American Fire and Casualty Company, Liberty Mutual Insurance Company, The Ohio Casualty Company, Peerless Insurance Company and West American Insurance Company, and that he, as such, being authorized so to do, execute the foregoing instrument for the purposes therein contained by signing on behalf of the corporations by himself as a duly authorized officer.

IN WITNESS WHEREOF, I have hereunto subscribed my name and affixed my notarial seal at Seattle, Washington, on the day and year first above written.



By: KD Riley  
KD Riley, Notary Public

This Power of Attorney is made and executed pursuant to and by authority of the following By-laws and Authorizations of American Fire and Casualty Company, The Ohio Casualty Insurance Company, Liberty Mutual Insurance Company, West American Insurance Company and Peerless Insurance Company, which resolutions are now in full force and effect reading as follows:

**ARTICLE IV – OFFICERS** – Section 12. Power of Attorney. Any officer or other official of the Corporation authorized for that purpose in writing by the Chairman or the President, and subject to such limitation as the Chairman or the President may prescribe, shall appoint such attorneys-in-fact, as may be necessary to act in behalf of the Corporation to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations. Such attorneys-in-fact, subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Corporation by their signature and execution of any such instruments and to attach thereto the seal of the Corporation. When so executed, such instruments shall be as binding as if signed by the President and attested to by the Secretary. Any power or authority granted to any representative or attorney-in-fact under the provisions of this article may be revoked at any time by the Board, the Chairman, the President or by the officer or officers granting such power or authority.

**ARTICLE XIII – Execution of Contracts – SECTION 5. Surety Bonds and Undertakings.** Any officer of the Company authorized for that purpose in writing by the chairman or the president, and subject to such limitations as the chairman or the president may prescribe, shall appoint such attorneys-in-fact, as may be necessary to act in behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations. Such attorneys-in-fact subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Company by their signature and execution of any such instruments and to attach thereto the seal of the Company. When so executed such instruments shall be as binding as if signed by the president and attested by the secretary.

**Certificate of Designation** – The President of the Company, acting pursuant to the Bylaws of the Company, authorizes Gregory W. Davenport, Assistant Secretary to appoint such attorney-in-fact as may be necessary to act on behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations.

**Authorization** – By unanimous consent of the Company's Board of Directors, the Company consents that facsimile or mechanically reproduced signature of any assistant secretary of the Company, wherever appearing upon a certified copy of any power of attorney issued by the Company in connection with surety bonds, shall be valid and binding upon the Company with the same force and effect as though manually affixed.

I, David M. Carey, the undersigned, Assistant Secretary, of American Fire and Casualty Company, The Ohio Casualty Insurance Company, Liberty Mutual Insurance Company, West American Insurance Company and Peerless Insurance Company do hereby certify that the original power of attorney of which the foregoing is a full, true and correct copy of the Power of Attorney executed by said Companies, is in full force and effect and has not been revoked.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed the seals of said Companies this 25th day of January, 20 13.



By: David M. Carey  
David M. Carey, Assistant Secretary

Not valid for mortgage, note, loan, letter of credit, bank deposit, currency rate, interest rate or residual value guarantees.

To confirm the validity of this Power of Attorney call 1-610-832-8240 between 9:00 am and 4:30 pm EST on any business day.

**ZURICH AMERICAN INSURANCE COMPANY  
COLONIAL AMERICAN CASUALTY AND SURETY COMPANY  
FIDELITY AND DEPOSIT COMPANY OF MARYLAND  
POWER OF ATTORNEY**

KNOW ALL MEN BY THESE PRESENTS: That the ZURICH AMERICAN INSURANCE COMPANY, a corporation of the State of New York, the COLONIAL AMERICAN CASUALTY AND SURETY COMPANY, a corporation of the State of Maryland, and the FIDELITY AND DEPOSIT COMPANY OF MARYLAND a corporation of the State of Maryland (herein collectively called the "Companies"), by **THOMAS O. MCCLELLEN, Vice President**, in pursuance of authority granted by Article V, Section 8, of the By-Laws of said Companies, which are set forth on the reverse side hereof and are hereby certified to be in full force and effect on the date hereof, do hereby nominate, constitute, and appoint **Wendy Lee WADKINS, Christopher F. MULVANEY, Mark V. NIEMEYER, Jane L. COLE, Vincent J. MANCINI, Charles N. PARSONS, Vicki JOHNSTON, Leonard R. DWOJESKI and Mark A. LYNCH, all of Radnor, Pennsylvania, EACH** its true and lawful agent and Attorney-in-Fact, to make, execute, seal and deliver, for, and on its behalf as surety, and as its act and deed: **any and all bonds and undertakings**, and the execution of such bonds or undertakings in pursuance of these presents, shall be as binding upon said Companies, as fully and amply, to all intents and purposes, as if they had been duly executed and acknowledged by the regularly elected officers of the ZURICH AMERICAN INSURANCE COMPANY at its office in New York, New York., the regularly elected officers of the COLONIAL AMERICAN CASUALTY AND SURETY COMPANY at its office in Owings Mills, Maryland., and the regularly elected officers of the FIDELITY AND DEPOSIT COMPANY OF MARYLAND at its office in Owings Mills, Maryland., in their own proper persons.

The said Vice President does hereby certify that the extract set forth on the reverse side hereof is a true copy of Article V, Section 8, of the By-Laws of said Companies, and is now in force.

IN WITNESS WHEREOF, the said Vice-President has hereunto subscribed his/her names and affixed the Corporate Seals of the said **ZURICH AMERICAN INSURANCE COMPANY, COLONIAL AMERICAN CASUALTY AND SURETY COMPANY, and FIDELITY AND DEPOSIT COMPANY OF MARYLAND**, this 25th day of April, A.D. 2012.

**ATTEST:**

**ZURICH AMERICAN INSURANCE COMPANY  
COLONIAL AMERICAN CASUALTY AND SURETY COMPANY  
FIDELITY AND DEPOSIT COMPANY OF MARYLAND**



*Eric D. Barnes*

By: \_\_\_\_\_

*Assistant Secretary  
Eric D. Barnes*

*Thomas O. McClellen*

*Vice President  
Thomas O. McClellen*

**State of Maryland  
City of Baltimore**

On this 25th day of April, A.D. 2012, before the subscriber, a Notary Public of the State of Maryland, duly commissioned and qualified, **THOMAS O. MCCLELLEN, Vice President, and ERIC D. BARNES, Assistant Secretary**, of the Companies, to me personally known to be the individuals and officers described in and who executed the preceding instrument, and acknowledged the execution of same, and being by me duly sworn, depose and saith, that he/she is the said officer of the Company aforesaid, and that the seals affixed to the preceding instrument are the Corporate Seals of said Companies, and that the said Corporate Seals and the signature as such officer were duly affixed and subscribed to the said instrument by the authority and direction of the said Corporations.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my Official Seal the day and year first above written.

*Constance A. Dunn*

\_\_\_\_\_  
Constance A. Dunn, Notary Public  
My Commission Expires: July 14, 2015



**EXTRACT FROM BY-LAWS OF THE COMPANIES**

"Article V, Section 8, Attorneys-in-Fact. The Chief Executive Officer, the President, or any Executive Vice President or Vice President may, by written instrument under the attested corporate seal, appoint attorneys-in-fact with authority to execute bonds, policies, recognizances, stipulations, undertakings, or other like instruments on behalf of the Company, and may authorize any officer or any such attorney-in-fact to affix the corporate seal thereto; and may with or without cause modify or revoke any such appointment or authority at any time."

**CERTIFICATE**

I, the undersigned, Vice President of the ZURICH AMERICAN INSURANCE COMPANY, the COLONIAL AMERICAN CASUALTY AND SURETY COMPANY, and the FIDELITY AND DEPOSIT COMPANY OF MARYLAND, do hereby certify that the foregoing Power of Attorney is still in full force and effect on the date of this certificate; and I do further certify that Article V, Section 8, of the By-Laws of the Companies is still in force.

This Power of Attorney and Certificate may be signed by facsimile under and by authority of the following resolution of the Board of Directors of the ZURICH AMERICAN INSURANCE COMPANY at a meeting duly called and held on the 15th day of December 1998.

RESOLVED: "That the signature of the President or a Vice President and the attesting signature of a Secretary or an Assistant Secretary and the Seal of the Company may be affixed by facsimile on any Power of Attorney...Any such Power or any certificate thereof bearing such facsimile signature and seal shall be valid and binding on the Company."

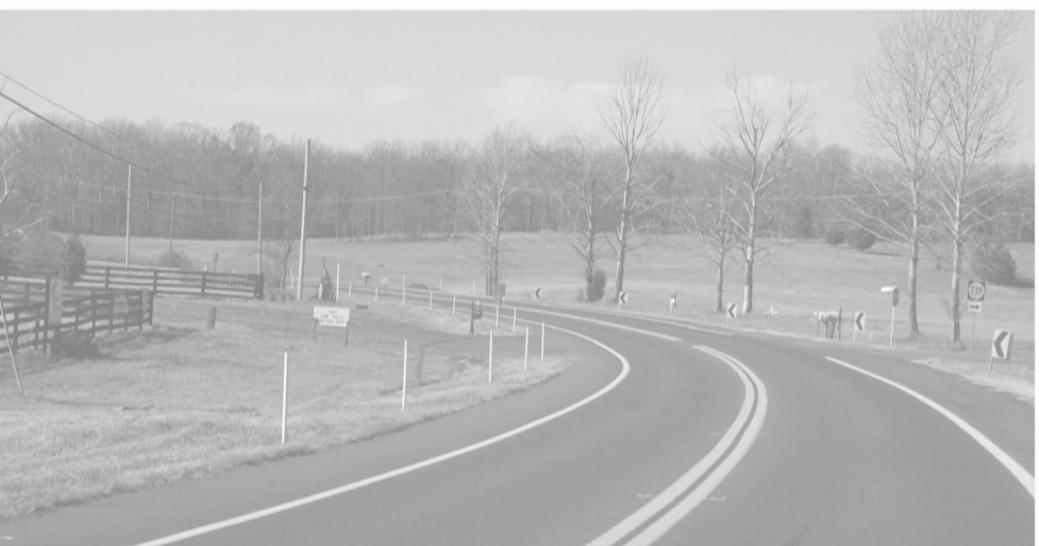
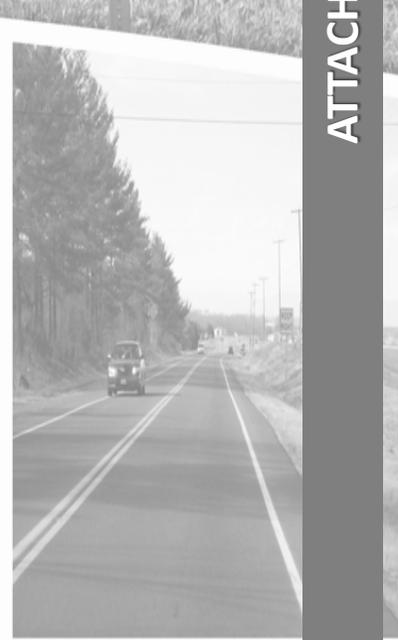
This Power of Attorney and Certificate may be signed by facsimile under and by authority of the following resolution of the Board of Directors of the COLONIAL AMERICAN CASUALTY AND SURETY COMPANY at a meeting duly called and held on the 5th day of May, 1994, and the following resolution of the Board of Directors of the FIDELITY AND DEPOSIT COMPANY OF MARYLAND at a meeting duly called and held on the 10th day of May, 1990.

RESOLVED: "That the facsimile or mechanically reproduced seal of the company and facsimile or mechanically reproduced signature of any Vice-President, Secretary, or Assistant Secretary of the Company, whether made heretofore or hereafter, wherever appearing upon a certified copy of any power of attorney issued by the Company, shall be valid and binding upon the Company with the same force and effect as though manually affixed.

IN TESTIMONY WHEREOF, I have hereunto subscribed my name and affixed the corporate seals of the said Companies, this 25th day of January, 20 13.



James M. Carroll, Vice President



**ATTACHMENT 3.2.10**

## 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.

<b>SCC &amp; DPOR INFORMATION FOR BUSINESSES (RFQ Sections 3.2.10.1 and 3.2.10.2)</b>							
<b>Business Name</b>	<b>SCC Information (3.2.10.1)</b>			<b>DPOR Information (3.2.10.2)</b>			
	<b>SCC Number</b>	<b>SCC Type of Corporation</b>	<b>SCC Status</b>	<b>DPOR Registered Address</b>	<b>DPOR Registration Type</b>	<b>DPOR Registration Number</b>	<b>DPOR Expiration Date</b>
Branscome Incorporated	0550613-4	Corporation	Active	4551 John Tyler Highway Williamsburg, VA 23185	Class A Contractors License	2705061347A	02-28-2013
Michael Baker Jr., Inc.	F026074-7	Corporation	Active	Hillcrest Bldg Ste 101 1801 Bayberry Court Richmond, VA 23226	ENG, LS	0411000058	02-28-2014
Michael Baker Jr., Inc.	F026074-7	Corporation	Active	272 Bendix Rd Suite 400 Virginia Beach, VA 23452	ENG	0411000143	02-28-2014
Michael Baker Jr., Inc.	F026074-7	Corporation	Active	8000 Regency Pkwy Ste 200 Cary, NC 27518	ENG	0411000835	02-28-2014
EBA Engineering, Inc.	F123900-5	S-Corporation	Active, In Good Standing	714 Westwood Office Park Fredericksburg, VA 22401	ENG	0411000871	02-28-2014
Engineering & Materials Technologies, Inc. (EM Tech.)	04786331-1	Corporation	Active, In Good Standing	7857 Coppermine Dr. Manassas, VA 20109	ENG	0407005994	12-31-2013
O.R. Colan Associates of Florida LLC	T030927-0	Foreign LLC	Active	11111 Carmel Commons Boulevard Suite 410 Charlotte, NC 28226	Real Estate Appraiser Board	4008001545	07-31-2013

## ATTACHMENT 3.2.10

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

#### SCC and DPOR Information

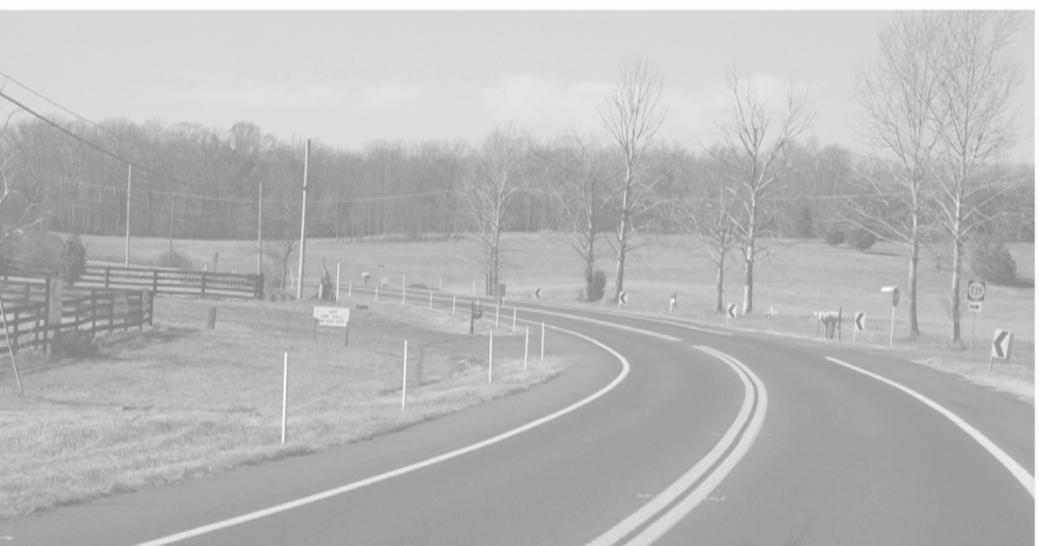
<b>SCC &amp; DPOR INFORMATION FOR BUSINESSES (RFQ Sections 3.2.10.1 and 3.2.10.2)</b>							
<b>Business Name</b>	<b>SCC Information (3.2.10.1)</b>			<b>DPOR Information (3.2.10.2)</b>			
	<b>SCC Number</b>	<b>SCC Type of Corporation</b>	<b>SCC Status</b>	<b>DPOR Registered Address</b>	<b>DPOR Registration Type</b>	<b>DPOR Registration Number</b>	<b>DPOR Expiration Date</b>
GeoConcepts Engineering, Inc.	0516767-1	Corporation	Active – Good Standing	19955 Highland Vista Drive, Suite 170 Ashburn, VA 20147	ENG	0407004404	12-31-2013
H&B Surveying and Mapping, LLC	S290560-4	LLC	Active	612 Hull Street, 101B Richmond, VA 23224	LS	0407-005432	12-31-2013
Aquarius Engineering, PC	0597483-7	Corporation	Active	2400 Ketch Ct Virginia Beach, VA 23451	ENG	0405001372	12-31-2013
Froehling & Robertson	0027211-2	Corporation	Active	3015 Dumbarton Road Richmond, VA 23228	ENG	0407000098	12-31-2013
Williamsburg Environmental Group, Inc.	0357437-3	Corporation	Active	1011 Boulder Springs Dr, Ste 225 Richmond, VA 23225	ENG	0411000595	02-28-2014
Williamsburg Environmental Group, Inc.	0357437-3	Corporation	Active	150 Riverside Pkwy Ste 301 Fredericksburg, VA 22406	ENG	0411000596	02-28-2014
Williamsburg Environmental Group, Inc.	0357437-3	Corporation	Active	5209 Center St Williamsburg, VA 23188	ENG, LA	0407003693	12-31-2013
Accumark, Inc.	0440745-8	Corporation	Active, Good Standing	9500 King Air Ct Ashland, VA 23005	ENG	0407005172	12-31-2013

**ATTACHMENT 3.2.10**

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

**SCC and DPOR Information**

<b>DPOR INFORMATION FOR INDIVIDUALS (RFQ Sections 3.2.10.3 and 3.2.10.4)</b>						
<b>Business Name</b>	<b>Individual's Name</b>	<b>Office Location Where Professional Services will be Provided (City/State)</b>	<b>Individual's DPOR Address</b>	<b>DPOR Type</b>	<b>DPOR Registration Number</b>	<b>DPOR Expiration Date</b>
Michael Baker Jr., Inc.	Paul Earl Auclair	Cary, NC	234 Autumn Ridge Drive Wendell, NC 27591	Professional Engineer	0402043754	01-31-2014
EBA Engineering, Inc.	Kenneth J. Shirley, PE, CCM	Fredericksburg, VA	16255 Black Run Road Orange, VA 22960	Professional Engineer	0402040380	08-31-2014
Michael Baker Jr., Inc.	Jeff Gidley	Virginia Beach, VA	889 South Spigel Drive Virginia Beach, VA 23454	Professional Engineer	0402024821	02-28-2014



**Full Size SCC and DPOR  
Documentation**

## ■ 3.2.10 Evidence of Professional Registration

### 3.2.10.1 Virginia State Corporation Commission Registration

Commonwealth of Virginia  
State Corporation Commission

**SCC  
Clerk's  
Information  
System**

CISM0180      CORPORATE DATA INQUIRY

12/31/12  
15:53:34

[Help](#)  
[Print](#)  
[Signoff](#)

CORP ID: 0550613 - 4    STATUS: 00    ACTIVE    STATUS DATE: 01/20/04

CORP NAME: BRANSCOME INC.

DATE OF CERTIFICATE: 12/14/2000    PERIOD OF DURATION:    INDUSTRY CODE: 00

STATE OF INCORPORATION: VA VIRGINIA    STOCK INDICATOR: S STOCK

MERGER IND: S SURVIVOR    CONVERSION/DOMESTICATION IND:

GOOD STANDING IND: Y    MONITOR INDICATOR:

CHARTER FEE: 50.00    MON NO:    MON STATUS:    MONITOR DTE:

R/A NAME: CORPORATION SERVICE COMPANY

STREET: Bank of America Center, 16th Floor    AR RTN MAIL:  
1111 East Main Street

CITY: RICHMOND    STATE : VA    ZIP: 23219

R/A STATUS: 5    B.E. AUTH IN VI    EFF. DATE: 04/29/11    LOC : 216

ACCEPTED AR#: 212 54 4397    DATE: 11/19/12    RICHMOND CITY

CURRENT AR#: 212 54 4397    DATE: 11/19/12    STATUS: A    ASSESSMENT INDICATOR: 0

YEAR	FEES	PENALTY	INTEREST	TAXES	BALANCE	TOTAL SHARES
12	100.00					1,000

  
Visit SCCeFile!

Appendix 3.2.10-Page 1

## ■ 3.2.10 Evidence of Professional Registration

### 3.2.10.1 Virginia State Corporation Commission Registration

Commonwealth of Virginia  
State Corporation Commission

**SCC  
Clerk's  
Information  
System**

[Help](#)

[Print](#)

[Signoff](#)

CISM0180      CORPORATE DATA INQUIRY

CORP ID: E026074 - 7    STATUS: 00    ACTIVE    STATUS DATE: 01/22/01

CORP NAME: BAKER, JR., INC., MICHAEL

12/31/12  
16:18:35

DATE OF CERTIFICATE: 10/13/1992    PERIOD OF DURATION:    INDUSTRY CODE: 00  
STATE OF INCORPORATION: PA PENNSYLVANIA    STOCK INDICATOR: S STOCK  
MERGER IND: S SURVIVOR    CONVERSION/DOMESTICATION IND:  
GOOD STANDING IND: Y    MONITOR INDICATOR:  
CHARTER FEE:    MON NO:    MON STATUS:    MONITOR DTE:  
R/A NAME: CT CORPORATION SYSTEM

STREET: 4701 COX RD STE 301    AR RTN MAIL:

CITY: GLEN ALLEN    STATE : VA    ZIP: 23060 6802

R/A STATUS: 5    B.E. AUTH IN VI    EFF. DATE: 01/05/04    LOC : 143

ACCEPTED AR#: 212 14 3838    DATE: 09/04/12    HENRICO COUNTY

CURRENT AR#: 212 14 3838    DATE: 09/04/12    STATUS: A    ASSESSMENT INDICATOR: 0

YEAR	FEES	PENALTY	INTEREST	TAXES	BALANCE	TOTAL SHARES
12	100.00					100



Visit SCCeFile!

## ■ 3.2.10 Evidence of Professional Registration

### 3.2.10.1 Virginia State Corporation Commission Registration



**Commonwealth of Virginia**  
**State Corporation Commission**

**SCC Clerk's Information System**

[Help](#)

[Print](#)

[Signoff](#)

CISM0180      CORPORATE DATA INQUIRY

CORP ID: F123900 - 5      STATUS: 00 ACTIVE      STATUS DATE: 12/03/07

CORP NAME: EBA ENGINEERING, INC.

---

DATE OF CERTIFICATE: 10/22/1997      PERIOD OF DURATION:      INDUSTRY CODE: 70

STATE OF INCORPORATION: MD MARYLAND      STOCK INDICATOR: S STOCK

MERGER IND:      CONVERSION/DOMESTICATION IND:

GOOD STANDING IND: Y      MONITOR INDICATOR:

CHARTER FEE: 2000.00      MON NO:      MON STATUS:      MONITOR DTE:

R/A NAME: CT CORPORATION SYSTEM

STREET: 4701 COX RD STE 301      AR RTN MAIL:

CITY: GLEN ALLEN      STATE : VA      ZIP: 23060 6802

R/A STATUS: 5      B.E. AUTH IN VI      EFF. DATE: 01/05/04      LOC : 143

ACCEPTED AR#: 212 53 6976      DATE: 09/26/12      HENRICO COUNTY

CURRENT AR#: 212 53 6976      DATE: 09/26/12      STATUS: A      ASSESSMENT INDICATOR: 0

YEAR	FEE	PENALTY	INTEREST	TAXES	BALANCE	TOTAL SHARES
12	1,700.00					1,000,000

12/31/12

16:03:29



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## ■ 3.2.10 Evidence of Professional Registration

### 3.2.10.1 Virginia State Corporation Commission Registration

Commonwealth of Virginia  
State Corporation Commission

**SCC Clerk's Information System** 01/09/13  
16:26:40

CISM0180      CORPORATE DATA INQUIRY

[Help](#)      CORP ID: 0478633 - 1      STATUS: 00 ACTIVE      STATUS DATE: 01/29/97

[Print](#)      CORP NAME: ENGINEERING & MATERIALS TECHNOLOGIES, INC.

[Signoff](#)      DATE OF CERTIFICATE: 01/29/1997      PERIOD OF DURATION:      INDUSTRY CODE: 70

STATE OF INCORPORATION: VA VIRGINIA      STOCK INDICATOR: S STOCK

MERGER IND:      CONVERSION/DOMESTICATION IND:

GOOD STANDING IND: Y      MONITOR INDICATOR:

CHARTER FEE: 50.00      MON NO:      MON STATUS:      MONITOR DTE:

R/A NAME: SHAHZAD S MOOSA

STREET: 7857 COPPERMINE DR      AR RTN MAIL:

CITY: MANASSAS      STATE : VA      ZIP: 20109

R/A STATUS: 2 OFFICER      EFF. DATE: 07/20/06      LOC : 176

ACCEPTED AR#: 213 01 1156      DATE: 11/28/12      PRINCE WILLIAM

CURRENT AR#: 213 01 1156      DATE: 11/28/12      STATUS: A      ASSESSMENT INDICATOR: 0

YEAR	FEES	PENALTY	INTEREST	TAXES	BALANCE	TOTAL SHARES
13	100.00					5,000



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## ■ 3.2.10 Evidence of Professional Registration

### 3.2.10.1 Virginia State Corporation Commission Registration



Commonwealth of Virginia  
**State Corporation Commission**

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01/07/13  
13:18:49

LLCM3220                      LLC DATA INQUIRY

LLC ID: T030927 - 0      STATUS: 00 ACTIVE      STATUS DATE: 06/02/06

LLC NAME: Colan Associates of Florida, LLC, O.R.

DATE OF FILING: 06/02/2006    PERIOD OF DURATION: 99/99/9999    INDUSTRY CODE: 00

STATE OF FILING: FL FLORIDA                      MERGER INDICATOR:

CONVERSION/DOMESTICATION INDICATOR:

P R I N C I P A L   O F F I C E   A D D R E S S

STREET: 439 NE 7TH AVE

CITY: FT LAUDERDALE                      STATE: FL    ZIP: 33301-0000

R E G I S T E R E D   A G E N T   I N F O R M A T I O N

R/A NAME: NATIONAL REGISTERED AGENTS INC

STREET: 4701 COX ROAD

RTN MAIL:

SUITE 301

CITY: GLEN ALLEN                      STATE: VA    ZIP: 23060-6802

R/A STATUS: 5    ENTITY AUTHORIZ    EFF DATE: 03/30/12    LOC: 143    HENRICO COUNTY

YEAR	FEES	PENALTY	INTEREST	BALANCE
12	50.00			



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## ■ 3.2.10 Evidence of Professional Registration

### 3.2.10.1 Virginia State Corporation Commission Registration

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CISM0180                      CORPORATE DATA INQUIRY

CORP ID: 0516767 - 1    STATUS: 00 ACTIVE                      STATUS DATE: 02/25/99

CORP NAME: GEOCONCEPTS ENGINEERING, INC.

DATE OF CERTIFICATE: 02/25/1999 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: 50.00                      MON NO:                      MON STATUS:                      MONITOR DTE:

R/A NAME: VIVIAN LEWIS

STREET: GEOCONCEPTS ENGINEERING INC    AR RTN MAIL:

19955 HIGHLAND VISTA DR #170

CITY: ASHBURN    STATE : VA ZIP: 20147

R/A STATUS: 2 OFFICER                                      EFF. DATE: 11/24/04 LOC : 153

ACCEPTED AR#: 212 01 8189                      DATE: 01/05/12    LOUDOUN COUNTY

CURRENT AR#: 212 01 8189                      DATE: 01/05/12                      STATUS: A                      ASSESSMENT INDICATOR: 0

YEAR	FEES	PENALTY	INTEREST	TAXES	BALANCE	TOTAL SHARES
13	100.00				100.00	5,000

12/31/12

16:10:24



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## ■ 3.2.10 Evidence of Professional Registration

### 3.2.10.1 Virginia State Corporation Commission Registration



## Commonwealth of Virginia State Corporation Commission

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01/07/13

13:22:27

LLCM3220

LLC DATA INQUIRY

LLC ID:  - 4 STATUS: 00 ACTIVE STATUS DATE: 04/27/09  
LLC NAME:

DATE OF FILING: 04/27/2009 PERIOD OF DURATION: INDUSTRY CODE: 00

STATE OF FILING: VA VIRGINIA MERGER INDICATOR:

CONVERSION/DOMESTICATION INDICATOR:

P R I N C I P A L O F F I C E A D D R E S S

STREET: 612 HULL STREET STE 101B

CITY: RICHMOND STATE: VA ZIP: 23224-0000

R E G I S T E R E D A G E N T I N F O R M A T I O N

R/A NAME: TIMOTHY H GUARE

STREET: TIMOTHY H GUARE PLC

6802 PARAGON PL STE 100

RTN MAIL:

CITY: HENRICO STATE: VA ZIP: 23230-0000

R/A STATUS: 4 MEMBER OF VSB EFF DATE: 07/02/09 LOC: 143 HENRICO COUNTY

YEAR FEES PENALTY INTEREST BALANCE

12 50.00

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## ■ 3.2.10 Evidence of Professional Registration

### 3.2.10.1 Virginia State Corporation Commission Registration

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CISM0180                      CORPORATE DATA INQUIRY

CORP ID: 0597483 - 7    STATUS: 00   ACTIVE                      STATUS DATE: 07/09/12

CORP NAME: Aquarius Engineering, PC

DATE OF CERTIFICATE: 06/02/2003    PERIOD OF DURATION:                      INDUSTRY CODE: 70

STATE OF INCORPORATION: VA VIRGINIA                      STOCK INDICATOR: S STOCK

MERGER IND:                                      CONVERSION/DOMESTICATION IND:

GOOD STANDING IND: Y                                      MONITOR INDICATOR:

CHARTER FEE: 50.00                      MON NO:                                      MON STATUS:                      MONITOR DTE:

R/A NAME: JUNE BARRETT-MCDANIELS

STREET: 2400 KETCH CT                                      AR RTN MAIL:

CITY: VIRGINIA BEACH                                      STATE : VA    ZIP: 23451

R/A STATUS: 1    DIRECTOR                                      EFF. DATE: 06/02/03    LOC : 228

ACCEPTED AR#: 212 11 7402    DATE: 07/09/12                                      VIRGINIA BEACH

CURRENT AR#: 212 11 7402    DATE: 07/09/12    STATUS: A    ASSESSMENT INDICATOR: 0

YEAR	FEES	PENALTY	INTEREST	TAXES	BALANCE	TOTAL SHARES
12	100.00	10.00				5,000

12/31/12  
16:12:54



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## ■ 3.2.10 Evidence of Professional Registration

### 3.2.10.1 Virginia State Corporation Commission Registration



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CISM0180      CORPORATE DATA INQUIRY

12/31/12  
16:14:16

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CORP ID: 0027211 - 2    STATUS: 00    ACTIVE    STATUS DATE: 11/13/09  
CORP NAME: FROEHLING & ROBERTSON, INCORPORATED

DATE OF CERTIFICATE: 10/11/1924    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 DTE:  
R/A NAME: WILLIAM H HOOFNAGLE III

STREET: 1900 ONE JAMES CENTER    AR RTN MAIL:  
901 E CARY ST  
CITY: RICHMOND    STATE : VA    ZIP: 23219  
R/A STATUS: 4 ATTORNEY    EFF. DATE: 09/21/11    LOC : 216  
ACCEPTED AR#: 212 14 0123    DATE: 08/29/12    RICHMOND CITY  
CURRENT AR#: 212 14 0123    DATE: 08/29/12    STATUS: A    ASSESSMENT INDICATOR: 0

YEAR	FEES	PENALTY	INTEREST	TAXES	BALANCE	TOTAL SHARES
12	1,700.00					1,100,000



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## ■ 3.2.10 Evidence of Professional Registration

### 3.2.10.1 Virginia State Corporation Commission Registration



Commonwealth of Virginia

# State Corporation Commission

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CISM0180                      CORPORATE DATA INQUIRY

CORP ID: 0357437 - 3      STATUS: 00 ACTIVE                      STATUS DATE: 05/14/08

CORP NAME: WILLIAMSBURG ENVIRONMENTAL GROUP, INC.

DATE OF CERTIFICATE: 04/17/1990 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: 50.00                      MON NO:                      MON STATUS:                      MONITOR DTE:

R/A NAME: GREGORY R. DAVIS

STREET: 4801 COURTHOUSE STREET, SUITE 300                      AR RTN MAIL:

CITY: WILLIAMSBURG    STATE : VA      ZIP: 23188

R/A STATUS: 4 ATTORNEY    EFF. DATE: 02/25/04      LOC : 316

ACCEPTED AR#: 212 05 8145      DATE: 03/15/12    WILLIAMSBURG CI

CURRENT AR#: 212 05 8145      DATE: 03/15/12      STATUS: A      ASSESSMENT INDICATOR: 0

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

12/31/12

16:16:46

## ■ 3.2.10 Evidence of Professional Registration

### 3.2.10.1 Virginia State Corporation Commission Registration

**Commonwealth of Virginia**  
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**CISM0180          CORPORATE DATA INQUIRY**

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16:39:20**

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CORP ID: 0440745 - 8    STATUS: 00    ACTIVE    STATUS DATE: 02/22/11

CORP NAME: ACCUMARK, INC.

DATE OF CERTIFICATE: 01/30/1995    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: 50.00    MON NO:    MON STATUS:    MONITOR DTE:

R/A NAME: S CRAIG MARTIN

STREET: 9500 KING AIR CT    AR RTN MAIL:

CITY: ASHLAND    STATE : VA    ZIP: 23005

R/A STATUS: 2    OFFICER    EFF. DATE: 01/05/12    LOC : 142

ACCEPTED AR#: 213 01 0899    DATE: 11/27/12    HANOVER COUNTY

CURRENT AR#: 213 01 0899    DATE: 11/27/12    STATUS: A    ASSESSMENT INDICATOR: 0

YEAR	FEES	PENALTY	INTEREST	TAXES	BALANCE	TOTAL SHARES
13	100.00					500



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### ■ 3.2.10 Evidence of Professional Registration

3.2.10.2 DPOR Registration Information for each office practicing or offering to practice any professional services in Virginia

#### Branscome Incorporated

DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION  
COMMONWEALTH OF VIRGINIA

EXPIRES ON  
**02-28-2013**

9960 Mayland Dr., Suite 400, Richmond, VA 23233  
Telephone: (804) 867-8500

NUMBER  
**2705 061347A**

BOARD FOR CONTRACTORS  
CLASS A CONTRACTORS LICENSE

BRANSCOME INC  
BRANSCOME INC  
4551 JOHN TYLER HIGHWAY  
WILLIAMSBURG VA 23185

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

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

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

#### Michael Baker Jr., 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  
**0411000058**

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

PROFESSIONS: ENG, LS

MICHAEL BAKER JR INC  
HILLCREST BLDG STE 101  
1801 BAYBERRY COURT  
RICHMOND, VA 23226

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

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### ■ 3.2.10 Evidence of Professional Registration

3.2.10.2 DPOR Registration Information for each office practicing or offering to practice any professional services in Virginia

#### Michael Baker Jr., 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  
0411000143

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

PROFESSIONS: ENG

MICHAEL BAKER JR INC  
272 BENDIX RD  
SUITE 400  
VIRGINIA BEACH, VA 23452



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

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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  
0411000835

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

PROFESSIONS: ENG

MICHAEL BAKER JR INC  
8000 REGENCY PKWY  
STE 200  
CARY, NC 27518



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

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### ■ 3.2.10 Evidence of Professional Registration

3.2.10.2 DPOR Registration Information for each office practicing or offering to practice any professional services in Virginia

#### EBA Engineering, Inc.

<b>DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION</b> <b>COMMONWEALTH OF VIRGINIA</b>		
<b>EXPIRES ON</b> 02-28-2014	9960 Mayland Dr., Suite 400, Richmond, VA 23233 Telephone: (804) 367-8500	<b>NUMBER</b> 0411000871
BOARD FOR ARCHITECTS, PROFESSIONAL ENGINEERS, LAND SURVEYORS, CERTIFIED INTERIOR DESIGNERS AND LANDSCAPE ARCHITECTS BUSINESS ENTITY BRANCH OFFICE REGISTRATION		
PROFESSIONS: ENG	EBA ENGINEERING INC 714 WESTWOOD OFFICE PARK FREDERICKSBURG, VA 22401	
<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>		
		 Gordon N. Dixon, Director

#### Engineering & Materials Technologies, Inc. (EM Tech.)

<b>DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION</b> <b>COMMONWEALTH OF VIRGINIA</b>		
<b>EXPIRES ON</b> 12-31-2013	9960 Mayland Dr., Suite 400, Richmond, VA 23233 Telephone: (804) 367-8500	<b>NUMBER</b> 0407005994
BOARD FOR ARCHITECTS, PROFESSIONAL ENGINEERS, LAND SURVEYORS, CERTIFIED INTERIOR DESIGNERS AND LANDSCAPE ARCHITECTS BUSINESS ENTITY REGISTRATION		
PROFESSIONS: ENG	ENGINEERING & MATERIALS TECHNOLOGIES, INC 7857 COPPERMINE DR MANASSAS, VA 20109	
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		 Gordon N. Dixon, Director

### ■ 3.2.10 Evidence of Professional Registration

3.2.10.2 DPOR Registration Information for each office practicing or offering to practice any professional services in Virginia

#### O.R. Colan Associates

DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION  
COMMONWEALTH OF VIRGINIA

EXPIRES ON  
07-31-2013

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

NUMBER  
4008 001545

REAL ESTATE APPRAISER BOARD  
BUSINESS REGISTRATION

O R COLAN ASSOCIATES OF FLORIDA LLC  
11111 CARMEL COMMONS BOULEVARD SUITE 410  
CHARLOTTE NC 28226



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Gordon N. Dixon, Director

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#### GeoConcepts Engineering, 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  
0407004404

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

PROFESSIONS: ENG

GEOCONCEPTS ENGINEERING INC  
19955 HIGHLAND VISTA DRIVE  
SUITE 170  
ASHBURN, VA 20147



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

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### ■ 3.2.10 Evidence of Professional Registration

3.2.10.2 DPOR Registration Information for each office practicing or offering to practice any professional services in Virginia

#### H&B Surveying and Mapping, LLC

<b>DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION COMMONWEALTH OF VIRGINIA</b>		
<b>EXPIRES ON</b> 12-31-2013	9960 Mayland Dr., Suite 400, Richmond, VA 23233 Telephone: (804) 367-8500	<b>NUMBER</b> 0407005432
BOARD FOR ARCHITECTS, PROFESSIONAL ENGINEERS, LAND SURVEYORS, CERTIFIED INTERIOR DESIGNERS AND LANDSCAPE ARCHITECTS BUSINESS ENTITY REGISTRATION		
PROFESSIONS: LS		
H & B SURVEYING & MAPPING LLC 612 HULL ST SUITE 101B RICHMOND, VA 23224		
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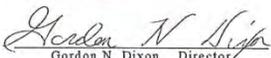
#### Aquarius Engineering, Inc.

<b>DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION COMMONWEALTH OF VIRGINIA</b>		
<b>EXPIRES ON</b> 12-31-2013	9960 Mayland Dr., Suite 400, Richmond, VA 23233 Telephone: (804) 367-8500	<b>NUMBER</b> 0405001372
BOARD FOR ARCHITECTS, PROFESSIONAL ENGINEERS, LAND SURVEYORS, CERTIFIED INTERIOR DESIGNERS AND LANDSCAPE ARCHITECTS PROFESSIONAL CORPORATION REGISTRATION		
PROFESSIONS: ENG		
AQUARIUS ENGINEERING P C 2400 KETCH CT VIRGINIA BEACH, VA 23451		
<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>		  Gordon N. Dixon, Director

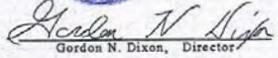
### ■ 3.2.10 Evidence of Professional Registration

3.2.10.2 DPOR Registration Information for each office practicing or offering to practice any professional services in Virginia

#### Froehling & Robertson, Inc.

<b>DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION COMMONWEALTH OF VIRGINIA</b>		
EXPIRES ON 12-31-2013	9960 Mayland Dr., Suite 400, Richmond, VA 23233 Telephone: (804) 367-8500	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, Director
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#### Williamsburg Environmental Group, Inc.

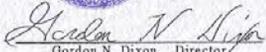
<b>DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION COMMONWEALTH OF VIRGINIA</b>		
EXPIRES ON 02-28-2014	9960 Mayland Dr., Suite 400, Richmond, VA 23233 Telephone: (804) 367-8500	NUMBER 0411000595
BOARD FOR ARCHITECTS, PROFESSIONAL ENGINEERS, LAND SURVEYORS, CERTIFIED INTERIOR DESIGNERS AND LANDSCAPE ARCHITECTS BUSINESS ENTITY BRANCH OFFICE REGISTRATION		
PROFESSIONS: ENG	WILLIAMSBURG ENVIRONMENTAL GROUP INC 1011 BOULDER SPRINGS DR STE 225 RICHMOND, VA 23225	  Gordon N. Dixon, Director
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### ■ 3.2.10 Evidence of Professional Registration

3.2.10.2 DPOR Registration Information for each office practicing or offering to practice any professional services in Virginia

#### Williamsburg Environmental Group, Inc.

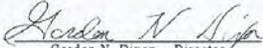
<b>DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION COMMONWEALTH OF VIRGINIA</b>		
<b>EXPIRES ON</b> 02-28-2014	9960 Mayland Dr., Suite 400, Richmond, VA 23233 Telephone: (804) 367-8500	<b>NUMBER</b> 0411000596
BOARD FOR ARCHITECTS, PROFESSIONAL ENGINEERS, LAND SURVEYORS, CERTIFIED INTERIOR DESIGNERS AND LANDSCAPE ARCHITECTS BUSINESS ENTITY BRANCH OFFICE REGISTRATION		
PROFESSIONS: ENG	WILLIAMSBURG ENVIRONMENTAL GROUP INC 150 RIVERSIDE PKWY STE 301 FREDERICKSBURG, VA 22406	  Gordon N. Dixon, Director
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<b>DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION COMMONWEALTH OF VIRGINIA</b>		
<b>EXPIRES ON</b> 12-31-2013	9960 Mayland Dr., Suite 400, Richmond, VA 23233 Telephone: (804) 367-8500	<b>NUMBER</b> 0407003693
BOARD FOR ARCHITECTS, PROFESSIONAL ENGINEERS, LAND SURVEYORS, CERTIFIED INTERIOR DESIGNERS AND LANDSCAPE ARCHITECTS BUSINESS ENTITY REGISTRATION		
PROFESSIONS: ENG, LA	WILLIAMSBURG ENVIRONMENTAL GROUP INC 5209 CENTER ST WILLIAMSBURG, VA 23188	  Gordon N. Dixon, 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>		

### ■ 3.2.10 Evidence of Professional Registration

3.2.10.2 DPOR Registration Information for each office practicing or offering to practice any professional services in Virginia

#### Accumark, Inc.

<b>DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION COMMONWEALTH OF VIRGINIA</b>		
<b>EXPIRES ON</b> 12-31-2013	9960 Mayland Dr., Suite 400, Richmond, VA 23233 Telephone: (804) 367-8500	<b>NUMBER</b> 0407005172
BOARD FOR ARCHITECTS, PROFESSIONAL ENGINEERS, LAND SURVEYORS, CERTIFIED INTERIOR DESIGNERS AND LANDSCAPE ARCHITECTS BUSINESS ENTITY REGISTRATION		
PROFESSIONS: ENG	ACCUMARK INC 9500 KING AIR CT ASHLAND, VA 23005	
<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>		
		 Gordon N. Dixon, Director

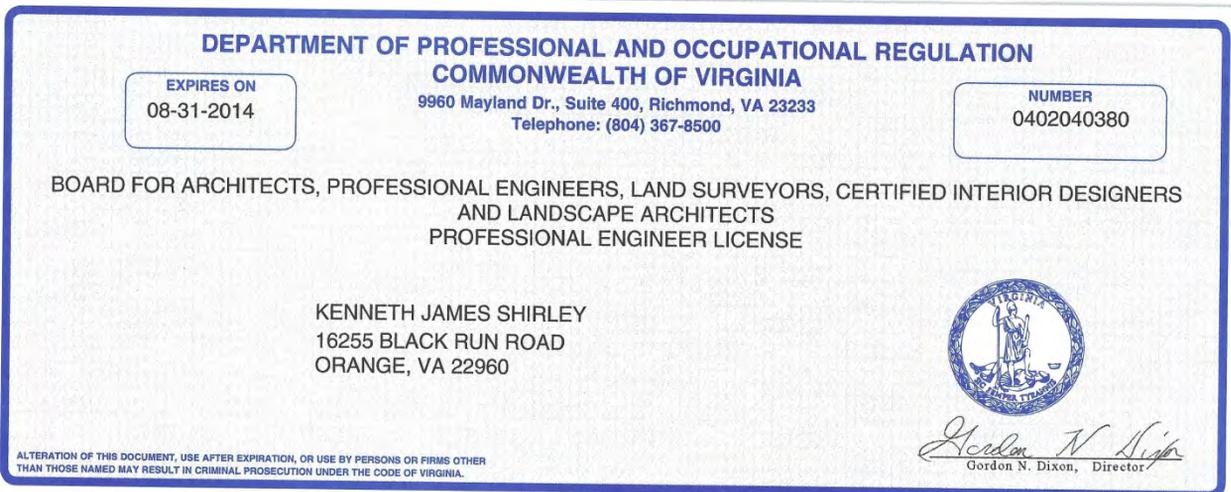
## ■ 3.2.10 Evidence of Professional Registration

### 3.2.10.3 DPOR License Detailing for Each Key Personnel Practicing or Offering to Practice Professional Services in Virginia

#### Paul Earl Auclair, P.E. – Design Manager (Baker)



#### Kenneth J. Shirley, P.E., CCM – Quality Assurance Manager (EBA)



## ■ 3.2.10 Evidence of Professional Registration

3.2.10.3 DPOR License Detailing for Each Key Personnel Practicing or Offering to Practice Professional Services in Virginia

### Jeffrey S. Gidley, P.E. – Lead Utility Coordination Manager (Baker)



### ■ 3.2.10 Evidence of Professional Registration

3.2.10.4 DPOR License Detailing for those services not regulated by the Board of Architects, Professional Engineers, Land Surveyors, Certified Interior Designers, and Landscape Architects

#### Branscome Incorporated

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

EXPIRES ON  
02-28-2013

NUMBER  
2705 061347A

BOARD FOR CONTRACTORS  
CLASS A CONTRACTORS LICENSE

BRANSCOME INC  
BRANSCOME INC  
4551 JOHN TYLER HIGHWAY  
WILLIAMSBURG VA 23185

\*CLASSIFICATIONS\* H/H



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

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

#### O. R. Colan Associates

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

EXPIRES ON  
07-31-2013

NUMBER  
4008 001545

REAL ESTATE APPRAISER BOARD  
BUSINESS REGISTRATION

O R COLAN ASSOCIATES OF FLORIDA LLC  
11111 CARMEL COMMONS BOULEVARD SUITE 410  
CHARLOTTE NC 28226



*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.



**ATTACHMENT 3.3.1**

**ATTACHMENT 3.3.1**

**KEY PERSONNEL RESUME FORM**

<b>Brief Resume of Key Personnel anticipated for the Project.</b>
a. Name & Title: <b>J. Brent Moore, General Manager</b>
b. Project Assignment: <b>Design-Build Project Manager</b>
c. Name of Firm with which you are now associated: <b>Branscome, Incorporated</b>
d. Years experience: With this Firm <b>6</b> Years With Other Firms <b>30</b> Years Please list chronologically (most recent experience first) your employment history, position and general experience or fields of practice for the last fifteen (15) years. (NOTE: If you have less than 15 years of experience, please list all of your experience for those years you have worked.):  <b>General Manager/Branscome, Inc., Richmond, VA (2006 to Present).</b> Responsible for all of Branscome's Richmond area operations. His responsibilities include preconstruction services, overseeing and developing safety initiatives, customer relations, project oversight, quality assurance and quality control, operational management, and asset management.  <b>Vice President/Mega Contractors, Inc., Richmond, VA (1976 to 2006).</b> Responsible for long-term strategic planning and development, P&L responsibility, and the direct management of the company's operations. This included operation management, resource organization for equipment and personnel, asphalt plant management, as well as, development and management of the company's safety and quality control programs.
e. Education: Name & Location of Institution(s)/Degree(s)/Year/Specialization: <b>University of Richmond, Richmond, VA/1972-1974/Business Administration</b>
f. Active Registration: Year First Registered/ Discipline/VA Registration #: <b>N/A</b>
g. Document the extent and depth of your experience and qualifications relevant to the Project. <ol style="list-style-type: none"><li>1. <i>Note your specific responsibilities and authorities for each assignment, not those of the firm.</i></li><li>2. <i>Note whether experience is with current firm or with other firm.</i></li><li>3. <i>Provide beginning and end dates for each assignment.</i></li></ol> <b>(List at least three (3), but no more than five (5) relevant projects for which you have performed a similar function.)</b>  <b>I-64 Pavement Rehabilitation, Henrico VA</b> <b>Branscome, Inc.</b> Mr. Moore served as the Project Sponsor for this \$35,000,000 interstate rehabilitation project. This project involved the removal and replacement of 60,000 SY of concrete pavement as well as the placement of over 100,000 tons of asphalt pavement. Mr. Moore was responsible for the overall delivery of the project which included managing the project team, oversight of project controls, as well as, managing the project's quality control program. (2009-2010)  <b>Powhite Express Lanes (RMA), Richmond VA</b> <b>Branscome, Inc.</b> Mr. Moore served as the Project Executive providing overview of this \$17,000,000 limited-access toll road widening. The project included widening the existing expressway, the addition of six new express toll lanes and new toll booth construction. Mr. Moore managed the construction operations which included over 60,000 CY of excavation, installation of 10,000 LF of new concrete median barrier, and the placement of more than 40,000 tons of asphalt pavement. In addition, he managed the project team and resources to ensure the project met its schedule and quality goals. (2006-2008)

## ATTACHMENT 3.3.1

### KEY PERSONNEL RESUME FORM

**J. Brent Moore**  
**Design-Build Project Manager**  
**Page 2**

**Route 150 Chippenham Parkway, Chesterfield VA**  
**Mega Contractors, Inc.**

Mr. Moore was Project Sponsor for this \$27,000,000 limited access highway widening project. This 6 mile long project included the widening of seven bridges, reconstructing five interchanges, installation of 30,000 LF of median barrier, construction of 235,000 SF of retaining/sound walls, installation of over 70,000 tons of aggregate base, and the placement of over 140,000 tons of asphalt pavement. Mr. Moore managed the construction process, value engineering, schedule development, quality control and overall project delivery. (1999-2001)

**Route 360 (Hull Street Widening), Chesterfield VA**  
**Branscome, Inc.**

Mr. Moore was Project Sponsor for this \$15,000,000 major urban arterial widening project. This 2 mile long project involved widening the existing roadway from four to six lanes from the interchange of Route 288 to Harbour Point Parkway. Work on the project included over 40,000 cy of excavation, installing over 10,000 lf of storm drainage, placing over 30,000 tons of aggregate base, and laying over 40,000 tons of asphalt. Mr. Moore was responsible for the overall project delivery including stakeholder coordination, management of the quality control program, resource management, schedule development, and project controls. (2006-2007)

**I-64 Concrete Pavement Repairs and Overlay, Henrico and New Kent VA**  
**Branscome, Inc.**

Mr. Moore was Project Sponsor for this \$19,000,000 pavement rehabilitation project. This 9 mile long project included the removal and replacement of 17,000 sy of concrete pavement, placement of over 20,000 tons of shoulder stone, installation of 45,000 LF of new guardrail, and placement of over 130,000 tons of Stone Matrix Asphalt.

Mr. Moore managed all operations on this project including project team oversight, customer relations, quality controls, resource management and project controls. (2005-2007)

**ATTACHMENT 3.3.1**

**KEY PERSONNEL RESUME FORM**

<b>Brief Resume of Key Personnel anticipated for the Project.</b>	
a. Name & Title:	<b>Kenneth J. Shirley, PE, CCM VA Operations Manager</b>
b. Project Assignment:	<b>Quality Assurance Manager</b>
c. Name of Firm with which you are now associated:	<b>EBA Engineering, Inc.</b>
d. Years experience: With this Firm <u>1</u> Years With Other Firms <u>19</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>EBA Engineering, Inc, <b>Operations Manager</b> supervising construction engineering and inspection contracts and providing construction engineering/management QA/QC services as needed, October 2011-present. <b>VDOT, Culpeper District Construction Engineer (DCE)</b> managing the district materials laboratory and road and bridge contract administration program directly overseeing QA/QC efforts of materials, inspection and project documentation, February 2006- October 2011. <b>VDOT, Fredericksburg DCE</b> managing the road and bridge contract administration program directly overseeing QA/QC efforts of materials, inspection and project documentation, August 2005-February 2006. <b>VDOT, Fredericksburg Residency Administrator</b> managing the land use, maintenance and construction program for three counties, August 2004 – August 2005. Carter &amp; Burgess, Inc., Consultant <b>Resident Engineer</b> for Arkansas Highway and Transportation Department providing direct construction engineering and inspection management of three contracts totaling \$37M interpreting contract specifications, resolving disputes and notice of intents, reviewing CPM schedules and adhering to QA/QC protocol, May 2002 – August 2004. Texas Department of Transportation (<b>TxDOT</b>), Southwest Dallas County <b>Assistant Area Engineer</b> managing the design, construction and maintenance programs for \$250M in contracts and 9<sup>th</sup> largest maintenance section in the State, July 2001 to May 2002. <b>TxDOT, Project Engineer/Manager</b> providing direct construction engineering and inspection management services to ensure QA/QC compliance on projects ranging from \$700k to \$95M in bid value, August 1995 – July 2001. <b>TxDOT, Project Designer</b> providing design services related to roads, bridges and special culverts, July 1992- August 1995.</p>
e. Education: Name & Location of Institution(s)/Degree(s)/Year/Specialization:	<b>University of Texas at Arlington, Arlington, TX/BS/1992/Civil Engineering; University of Texas at Dallas, Richardson, TX/MS/1999/Management and Administrative Sciences</b>
f. Active Registration: Year First Registered/ Discipline/VA Registration #:	<b>2004/Civil Eng/VA 040380; 2011/Civil Eng/DC 906475; 2011/Cert Const Mgr/CMAA A2102; 2012/Const Quality Mgmt (CQM) Certification</b>
g. Document the extent and depth of your experience and qualifications relevant to the Project. 1. <i>Note your specific responsibilities and authorities for each 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> <b>(List at least three (3), but no more than five (5) relevant projects for which you have performed a similar function.)</b>	<p><b>Route 3 Widening, Culpeper, VA</b> <b>VDOT</b> As the VDOT District Construction Engineer, Mr. Shirley resolved issues pertaining to access, construction techniques, construction re-sequencing to expedite project delivery, issue resolution of notice of intents and disputes of a major rural and divided highway widening. Mr. Shirley implemented weekly, onsite mini-QA reviews of the project to ensure project contract compliance in preparation for CQIP audit of 94.1%. (2006-2007)</p>

## ATTACHMENT 3.3.1

### KEY PERSONNEL RESUME FORM

**Kenneth J. Shirley, P.E., CCM**  
**Quality Assurance Manager**  
**Page 2**

**Route 7015 Widening, Culpeper County, VA**  
**VDOT**

Mr. Shirley was the VDOT District Construction Engineer where he resolved issues pertaining to access, construction techniques, construction re-sequencing to expedite project delivery and overcome delays by utility owners, issue resolution of notice of intents and disputes for a high-profile widening of a primary highway in the retail district of the Town of Culpeper with stormwater detention measures, pedestrian facilities and scheduled re-opening prior to holiday shopping season. Mr. Shirley implemented advanced QA peer reviews of the project to ensure project contract compliance in preparation for CQIP audit of 93.6%. The project was delivered 13 days early, under budget and 100% environmentally compliant. (2008-2009)

**Route 229 Widening, Culpeper County, VA**  
**VDOT**

Mr. Shirley was the VDOT District Construction Engineer where he resolved issues pertaining to access, construction techniques, issue resolution of notice of intents and disputes, work order initiation, negotiation and approval, and property owner dispute resolution of a primary route widening project with access to the local high school. Mr. Shirley implemented advanced QA reviews of the project to ensure project contract compliance in preparation for CQIP audit of 94.5%. The project was delivered early and under budget. (2009-2010)

**Route 631 Meadow Creek Parkway, Albemarle County, VA**  
**VDOT**

As the VDOT District Construction Engineer, Mr. Shirley resolved issues pertaining to access, construction techniques, construction re-sequencing to expedite project delivery and overcome three months of delays by utility and railroad conflicts (having developed the advertised sequence of construction), issue resolution of notice of intents and disputes, work order initiation, negotiation and approval, and coordination of stakeholder public information of a high-profile, new location parkway with context sensitive roadway elements, sanitary sewer construction, advanced stormwater detention measures, vehicular and pedestrian structures, multi-use path and extensive landscaping. Additionally, Mr. Shirley provided expert witness testimony against a potential injunction to cease project activities during the clearing, grubbing and mass excavation/embankment phase of the project. He implemented advanced QA reviews of the project to ensure project contract compliance in preparation for CQIP audit of 91.0%. The project was delivered early and under budget with 100% Environmentally Compliant Reports.e managed the construction operations which included over 60,000 CY of excavation, installation of 10,000 LF of new concrete median barrier, and the placement of more than 40,000 tons of asphalt pavement. In addition, he managed the project team and resources to ensure the project met its schedule and quality goals. (2009-2011)

## ATTACHMENT 3.3.1

### KEY PERSONNEL RESUME FORM

<b>Brief Resume of Key Personnel anticipated for the Project.</b>	
a. Name & Title:	<b>Paul Auclair, P.E., Technical Manager</b>
b. Project Assignment:	<b>Design Manager</b>
c. Name of Firm with which you are now associated:	<b>Michael Baker Jr., Inc.</b>
d. Years experience: With this Firm <u>5</u> Years With Other Firms <u>7</u> Years Please list chronologically (most recent experience first) your employment history, position and general experience or fields of practice for the last fifteen(15) years. (NOTE: If you have less than 15 years of experience, please list all of your experience for those years you have worked.):	<b>Michael Baker Jr., Inc.: Technical Manager (2007-present)</b> <b>Moffatt and Nichol 2006-2007</b> <b>NYSDOT- 1999-2006</b>
e. Education: Name & Location of Institution(s)/Degree(s)/Year/Specialization:	<b>B.S.C.E.T., Civil Engineering Technology, Rochester Institute of Technology, 2002</b> <b>A.A.S., Civil Engineering Technology, State University of New York at Canton, 1999</b>
f. Active Registration: Year First Registered/ Discipline/VA Registration #:	<b>2008/Professional Engineer/043754</b>
g. Document the extent and depth of your experience and qualifications relevant to the Project. 1. <i>Note your specific responsibilities and authorities for each 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> <b>(List at least three (3), but no more than five (5) relevant projects for which you have performed a similar function.)</b>	<p>Mr. Auclair is a professional engineer with a firm understanding of the design process and the coordination required between disciplines throughout the design process. Through the years his experience has focused on design build projects where his role on projects began as discipline lead and transitioned to Design Manager. Prior to joining Baker, Mr. Auclair worked for NYSDOT for five years as a civil engineer in the highway design unit, working on a multitude of projects as the lead/ assistant designer.</p> <p>Mr. Auclair has worked on the following projects:</p> <p><b>Western Wake Freeway Design-Build, Raleigh, NC</b> <b>Michael Baker Jr., Inc.</b> <i>North Carolina Turnpike Authority. Design Manager. Responsible for the design and coordination of all design related activities and disciplines on the project including coordination with the NCTA, NCDOT, and the JV partners. Baker led a multi-discipline design team and provided project management, bridge and roadway design, and drainage design for the 12.5-mile Western Wake Freeway, a new controlled-access toll road in Wake County, NC. This greenfield facility is the western leg of the Raleigh Outer Loop and will be the first project in the U.S. designed and built to utilize an all electronic toll collection system, meaning there will be no toll booths and no stopping to pay tolls. The project included design and construction of the new freeway with concrete shoulders and asphalt ramps; six Interchanges; 32 bridge structures; 15 box culverts; two miles of soundwalls; over 500,000 sq.ft. of mechanically stabilized earth (MSE) retaining walls; signals; intelligent transportation system (ITS) infrastructure; utility relocations; signing; lighting; Section 401/404 permitting; and maintenance of traffic. (2010 start; 2013 estimated end date)</i></p>

**ATTACHMENT 3.3.1**

**KEY PERSONNEL RESUME FORM**

**Paul Auclair, P.E.**  
**Design Manager**  
**Page 2**

**Jimmy Deloach Connector Design-Build, Chatham County, GA**  
**Michael Baker Jr., Inc.**

*Archer Western Contractors.* Deputy Design Manager. Responsible for design coordination of all disciplines and developing proposal plans to the contractor for bidding purposes. Baker serves as the Lead Design firm on this design-build project. The project is primarily located in Port Wentworth, Chatham County, Georgia. The Project includes 3.1 miles of new location median divided roadway and construction of 3 new interchanges. Work included roadway design, drainage design, structure design, geotechnical engineering, permitting, right-of-way acquisition, utility design, and utility coordination. (2012 start; 2015 estimated end date)

**Mainline Safety Rail Relocation Design Build, Chesapeake, VA**  
**Moffat and Nichol**

Deputy Design Manager. Responsible for the design and development of plan package and coordination of the efforts with Virginia Ports, the Contractor and other Stakeholders. Project included construction of 4.5 miles of freight-rail in the median of I-664 and Route 164 to replace the existing port rail service, and 14 at-grade rail crossings from the City of Chesapeake. Work included railroad design, drainage design, roadway design, permitting, utility relocations, maintenance of traffic, and bridge design. (2006 start; 2008 end date)

**ATTACHMENT 3.3.1**

**KEY PERSONNEL RESUME FORM**

<b>Brief Resume of Key Personnel anticipated for the Project.</b>
a. Name & Title: <b>Leith Hartman, Project Manager</b>
b. Project Assignment: <b>Construction Manager</b>
c. Name of Firm with which you are now associated: <b>Branscome, Inc.</b>
d. Years experience: With this Firm <b>2</b> Years With Other Firms <b>27</b> Years Please list chronologically (most recent experience first) your employment history, position and general experience or fields of practice for the last fifteen (15) years. (NOTE: If you have less than 15 years of experience, please list all of your experience for those years you have worked.): <b>Project Manager/Branscome, Inc., Williamsburg, VA 2011-Present.</b> Responsible for the management of Branscome's large heavy civil projects. Responsible for project delivery, quality management, contract administration, and safety. Acts as the main liaison between the owner, designer, Branscome management and the construction teams on site. <b>Project Manager/Jack L Massie Contractor, Inc., Williamsburg, VA (2007-2011).</b> Responsible for planning, directing and coordinating the activities of designated heavy civil projects to ensure that goals and objectives were accomplished within scheduled timeframes and established budget. Projects ranged in size from \$1MM to \$20MM. Other duties included preparing and maintaining profit and loss reports, creating and maintaining project schedules, project billings, cash management, subcontract management, developing purchase orders and customer relations. <b>Earthwork Division Manager/John Carlo, Inc., Clinton Township, MI (2003-2007).</b> Responsibilities as the Project Manager included managing the overall project delivery for transportation, commercial, industrial, environmental restoration and design-build projects. Responsible for the overall management of the projects by providing oversight to direct operations in constructing projects and ensuring that the safety, financial, and schedule performance goals were met. <b>Project Manager/Angelo Iafrate Construction Company, Warren, MI (2002-Spring of 2003).</b> Responsibilities included contract negotiation, schedule management, budget management, development and implementation of project safety initiatives, and customer relations. He was responsible for the successful delivery of projects Heavy Highway and Environmental sectors. <b>Earthwork Division Manager/John Carlo, Inc., Clinton Township, MI (2001-2002).</b> Responsibilities as the Earthwork Division Manger included managing the daily operations responsibilities and the financial performance of the division.. There were 10 earthwork crews on various projects in the greater Detroit, Michigan area. The Earthwork Division performed all of the demolition, grading, sub-base material, mass excavation, environmental remediation, and storm water management structures. We worked very closing with our utility division, asphalt paving division and the concrete paving division of John Carlo. <b>Senior Vice President/Battle Ridge Companies, Inc., Charleston, WV (1983-2001).</b> Managed the Coal and Civil Construction Operations, Engineering Design Services and Estimating Divisions with annual revenues of in excess of \$90MM. He was responsible for environmental compliance, employee development, operations management, as well as long-range strategic planning.
e. Education: Name & Location of Institution(s)/Degree(s)/Year/Specialization: <b>Hampden-Sydney College, Hampden-Sydney, VA/BS in Biology and Environmental Science/1974</b> <b>Association of General Contractors/Senior Leadership Program/2010</b>
f. Active Registration: Year First Registered/ Discipline/VA Registration #: <b>VDOT Erosion &amp; Sediment Control Contractor Certification Program: 2011/#5799C</b> <b>Occupational Safety and Health Association 30-Hour Construction Safety &amp; Health: 2006/#600112195</b> <b>National Ready Mixed Concrete Association Pervious Concrete Technician: 2008/#PCC991219</b>

**ATTACHMENT 3.3.1**

**KEY PERSONNEL RESUME FORM**

**Leith Hartman**  
**Construction Manager**  
**Page 2**

- 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.)**

**VDOT Order 5B3, Princess Anne Road, Virginia Beach, VA**  
**Branscome**

Mr. Hartman served as the Project Manager for Branscome, Inc. on this road widening and improvement project. The two existing lanes of Princess Anne Road were widened to four lanes with additional turn lanes and two major intersections. The project also included the construction of 1-mile of new 4-lane highway, Nimmo Parkway. The road construction was all asphalt paving on top of select fill material and cement treated aggregate. There were also more than 15,000' of storm drain, 10,000' of waterline, and 3,500' of 42" sanitary sewer force main installed. The project included an accepted value-engineering proposal, which saved Department more than \$1,000,000 and six-months of project duration. As the project manager, Mr. Hartman was the key person overseeing all aspects of the project's successful completion including timely delivery, safety, budgeting, and resource management. He was also the primary liaison between Branscome and the owner (VDOT) and other major stakeholders, which included the City of Virginia Beach, local utility companies, business owners, and residents. (2011-2012)

**VDOT Order F53, Ironbound Road, Williamsburg, VA**  
**Branscome**

Mr. Hartman served as the Project Manager for Branscome, Inc. on this project. The key elements included widening Ironbound Road from two to four lanes, constructing additional turn lanes, and relocating or replacing numerous underground utilities. All of this work was performed adjacent to the bustling New Town development in Williamsburg, which made MOT and scheduling essential elements for a successful project. As project manager, Mr. Hartman was the responsible party for all project matters including safety, timely completion, resource management, scheduling, submittals, public relations, and budgets. This project will be completed by the end of 2012. (2011-2012)

**Interstate 75 Improvements, Greater Detroit, MI**  
**John Carlo, Inc.**

Mr. Hartman served as Earthwork Division Manager during the construction of this project, and as such was responsible for all excavation, utility work, demolition, traffic control, resource management of people and equipment. This included preparing the grade for the concrete paving division and supporting their efforts throughout the duration of the project. The project consisted of widening the Northbound lane from the Squirrel Road intersection to M-59. This \$30,000,000 project was completed on time and on budget. (2000-2003)

**High Street Development, Williamsburg, VA**  
**Jack Massie, Inc.**

Mr. Hartman was the Project Manager for the High Street Development project in Williamsburg, VA. This \$11,000,000 mixed-use development featuring residential, commercial, and infrastructure construction on a 50-acre site included major excavation, installation of underground utilities, retaining wall construction, material import, and asphalt paving. The project also required major interchange construction including signalization at the intersection of the development entrance and US-60. As project manager, Mr. Hartman was responsible for the coordination of the job with the company's earthwork and utility divisions. He also managed subcontractors on the project. He performed all financial and schedule reports, which were provided to company management on a regular basis. The project was very intense and included numerous design changes throughout the duration. Mr. Hartman worked closely with the owners and designers to ensure that all changes had minimal effect on the project duration and budget. (2007-2009)

**ATTACHMENT 3.3.1**

**KEY PERSONNEL RESUME FORM**

<b>Brief Resume of Key Personnel anticipated for the Project.</b>	
a. Name & Title:	<b>Jeff Gidley, P.E., Civil Engineering Manager</b>
b. Project Assignment:	<b>Lead Utility Manager</b>
c. Name of Firm with which you are now associated:	<b>Michael Baker Jr., Inc.</b>
d. Years experience: With this Firm <b>22</b> Years With Other Firms <b>2</b> Years Please list chronologically (most recent experience first) your employment history, position and general experience or fields of practice for the last fifteen(15) years. (NOTE: If you have less than 15 years of experience, please list all of your experience for those years you have worked.): <b>Michael Baker Jr., Inc.: Project Engineer/Asst Project Manager/Civil Engineering Manager (1990-present)</b> <b>EE&amp;T: Project Engineer (1988-1990)</b>	
e. Education: Name & Location of Institution(s)/Degree(s)/Year/Specialization:	<b>University of Pittsburgh; B.S., 1988, Civil Engineering</b> <b>Old Dominion University, 1996, MBA, Business Administration</b>
f. Active Registration: Year First Registered/ Discipline/VA Registration #:	<b>1994/Professional Engineer/#024821</b>
g. Document the extent and depth of your experience and qualifications relevant to the Project. 1. <i>Note your specific responsibilities and authorities for each 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> <b>(List at least three (3), but no more than five (5) relevant projects for which you have performed a similar function.)</b>	
<p>Mr. Gidley has extensive experience in the administration, design, and construction of numerous civil utility/ infrastructure projects. Mr. Gidley's current responsibilities include project management, client services management, subconsultant/subcontractor management, construction management and quality control for municipal projects. He has been responsible for the analysis, design and construction of various water, wastewater and stormwater facilities, utility relocation/adjustment designs for both public and private facilities, and gravity sanitary sewer system evaluation studies (SSES) and subsequent rehabilitation designs utilizing trenchless techniques.</p> <p>Mr. Gidley has worked on the following projects at Baker:</p> <p><b>VDOT Regional Utilities Contract, Region V, Hampton Roads District, VA</b> <b>Michael Baker Jr., Inc.</b> <i>Virginia Department of Transportation.</i> Program Manager. Responsible for the design of more than 125 water and sewer utility adjustment projects associated with the VDOT contract. He understands the importance of facilitation, efficient, and effective communication and coordination in order to meet challenging schedules. His primary responsibilities included coordination with the state, municipalities, and private utilities located in Region V to ensure project requirements are met. Additional responsibilities included providing overall direction to design teams, subconsultant/subcontractor management and quality control. Project assignments have included all aspects of utility coordination/relocations/adjustments, including more than 60 miles of water and sewer mains ranging in size from 4 inches to 54 inches. (1992-present)</p> <p><b>VDOT Statewide Utility Field Inspection/Utility Coordination Consulting Services, Statewide, VA</b> <b>Michael Baker Jr., Inc.</b> <i>Virginia Department of Transportation.</i> Utility Project Manager. Providing utility coordination/utility field inspection consulting services under a statewide contract. As a sub to TBE, Baker is responsible for the following tasks: conducting a utility inventory for assigned projects/corridors; coordinating with project designers during preliminary design; reviewing utility location and evaluation for field inspection; providing preliminary utility easements; project field inspection; utility conflict evaluation; scheduling the utility field inspections; and processing utility owners relocation plans and estimates. (2012-present)</p>	

## ATTACHMENT 3.3.1

### KEY PERSONNEL RESUME FORM

**Jeff Gidley, P.E.**

**Lead Utility Coordination Manager**

**Page 2**

**Holland Road 24-Inch Interceptor Force Main, Suffolk, VA**

**Michael Baker Jr., Inc.**

*Hampton Roads Sanitation District. Hampton Roads Sanitation District.* Project Manager. Responsible for the overall design, coordination of subconsultant services, managing construction documents production, ensuring strict adherence of the project budget and schedule, permitting and bid and construction phase services. Baker is responsible for the replacement of HRSD's 14-, 18-, and 20-inch force mains along Holland Road and Constance Road with a proposed 24-inch force main totaling approximately 15,200 LF. The project also includes the replacement of the City of Suffolk "Holland Road Area" 10-inch force main along Holland Road with a proposed 24-inch force main totaling approximately 7,000 linear feet. The total linear feet of proposed 24-inch force main is approximately 22,200 linear feet. (2011-present)

**Eastern Branch, Green Run, and Kempsville Road, South Trunk, and Gravity Sewer Chesterfield - Interceptor Force Main Replacements, Norfolk and Virginia Beach, VA**

**Michael Baker Jr., Inc.**

*Hampton Roads Sanitation District.* Project Manager. Responsible for the overall design, coordination of subconsultant services, managing construction documents production, ensuring strict adherence of the project budget and schedule, permitting and bid and construction phase services. Baker is providing engineering, design, and construction management services for two interceptor force main projects: Eastern Branch 42-inch Interceptor Force Main Replacement project includes replacement of 2,600 LF of 42-inch force main along Indian River Road, and replacement of 900 linear feet of 24-inch force main with a 30-inch force main along Kempsville Road. The South Trunk 24-inch Interceptor Force Main Replacement project includes replacement of 7,000 LF of 24-inch force main, 1,500 LF of 12-inch HDPE slip line to replace an 8-inch force main, and 1,500 LF of 8-inch gravity sewer replacement, including all City pump station reconnections. (2010-2012)

**36-inch Raw Water Transmission Project, Suffolk, VA**

**Michael Baker Jr., Inc.**

*City of Suffolk.* Project Manager. Responsible for the overall preparation of the PER and subsequent design, preparation of construction documents, permitting, bid and construction phase services for this project. Baker is providing an alignment study, preliminary engineering report, design, bid-phase support, permitting, construction management, construction inspection, and post-construction services for a new, 28,000-linear-foot, 36-inch raw water transmission main from the City of Norfolk's Western Branch Pumping Station to the City of Suffolk's Lone Star Lakes. (2010-present)

## ATTACHMENT 3.3.1

### KEY PERSONNEL RESUME FORM

<b>Brief Resume of Key Personnel anticipated for the Project.</b>	
a. Name & Title:	<b>Hugo Solano, R/W-RAC</b>
b. Project Assignment:	<b>Right-of-Way Manager</b>
c. Name of Firm with which you are now associated:	<b>O.R. Colan Associates</b>
d. Years experience: With this Firm <u>9</u> Years With Other Firms <u>2</u> Years Please list chronologically (most recent experience first) your employment history, position and general experience or fields of practice for the last fifteen(15) years. (NOTE: If you have less than 15 years of experience, please list all of your experience for those years you have worked.): <b>O.R. Colan Senior Project Manager (2004 to present)</b> <b>FDOT (2002 to 2004)</b>	
e. Education: Name & Location of Institution(s)/Degree(s)/Year/Specialization:	<b>Barry University, B. S., 1995, International Business</b>
f. Active Registration: Year First Registered/ Discipline/VA Registration #:	<b>2002, Licensed Real Estate; Salesperson State of Florida; 2007, IRWA Relocation Assistance Certified (R/W-RAC)</b>
g. Document the extent and depth of your experience and qualifications relevant to the Project. 1. <i>Note your specific responsibilities and authorities for each 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> <b>(List at least three (3), but no more than five (5) relevant projects for which you have performed a similar function.)</b>	
<p>Mr. Hugo Solano is one of ORC's most experienced project managers. Mr. Solano manages full service right of way projects that include acquisition, relocation, appraisal/appraisal review, property management and title services. He is well versed in the application of the "Uniform Act" regulations and applies his knowledge and abilities in solving complex acquisition and relocation issues. Prior to joining ORC, Mr. Solano worked as an acquisition/relocation agent for the Florida Department of Transportation. Hugo has also implemented and managed all aspects of relocation for hundreds of residential, commercial and billboard relocations.</p> <p><b>VDOT Route 726, Pittsylvania County, VA</b> <b>ORC</b> ORC has been awarded a contract for the acquisition of 32 parcels in the City of Danville, VA. ORC will be responsible for the preparation of 27 BAR reports and will utilize a subconsultant to appraise the other five parcels. VDOT will perform appraisal review activities. (October 2012 – June 2013 (anticipated))</p> <p><b>VDOT City of Roanoke – 13<sup>th</sup> Street, Roanoke, VA</b> <b>ORC</b> ORC is actively performing turnkey acquisition services for 98 parcels, including the relocation of 32 occupants. ORC is responsible for the appraisal activities, some to be performed by a subconsultant, and VDOT is performing appraisal reviews. (June 2011 – March 2013 (anticipated))</p> <p><b>VDOT On-Call Area R – Roanoke District, Roanoke, VA</b> <b>ORC</b> VDOT has awarded ORC two contracts consisting of 10 acquisition parcels for bridge replacements on Route 221 and Route 613 in Western Virginia. (January 2009 – January 2013 (anticipated))</p> <p><b>VDOT Roanoke County – 10<sup>th</sup> Street, Roanoke, VA</b> <b>ORC</b> ORC has been awarded a contract to perform turnkey acquisition services for 87 parcels, including the relocation of 11 occupants. ORC will be responsible for appraisal activities, and VDOT is performing appraisal reviews. (January 2012 – March 2013 (anticipated))</p>	



**ATTACHMENT 3.4.1(a)**  
**ATTACHMENT 3.4.1(b)**

**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: <b>I-64 Pavement Rehabilitation</b> <i>Henrico County, VA</i>	Name: <b>Virginia Department of Transportation</b>  See narrative below	VDOT 804-752-5538  Keith Rider, PE 804-752-5538 <a href="mailto:keith.rider@vdot.virginia.gov">keith.rider@vdot.virginia.gov</a>	November 2010	October 2010	\$35,149	\$34,156	\$34,156

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.

This project was for major repairs to I-64 in Henrico County near Richmond, VA. As the prime contractor, Branscome oversaw all construction activities which included, but were not limited to, demolition/replacement of over 60,000 square yards of existing concrete pavement, overlaying the concrete with more than 100,000 tons of stone matrix asphalt, and installation of over 75,000 linear feet of guardrail. All work was completed in a compressed time-span and performed in one of the most congested stretches of interstate in the Richmond region. This project's requirements shared many similarities with the Route 3 Widening Project. In addition to the numerous construction tasks, the I-64 Pavement Rehabilitation project had a tremendous focus on maintenance of traffic and public outreach. This project was located along some of the busiest sections of I-64 and had to be completed directly adjacent to the active lanes of the highway, which put tremendous emphasis on ensuring that our team members and the travelling public remained safe at all times.

Branscome delivered the project ahead of schedule and reached all three major milestone dates on time resulting in the award of a \$400K early completion bonus.



**ATTACHMENT 3.4.1(a)**

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					Original Contract Value	Final or Estimated Contract Value	
<b>Commonwealth Railway Mainline Safety Relocation Project</b> <i>Portsmouth/Suffolk, VA</i>	Name: <b>Moffat &amp; Nichol</b>  See narrative below	Virginia Port Authority  Anthony Konduysar, PE 757-342-7088 <a href="mailto:akondysar@portofvirginia.com">akondysar@portofvirginia.com</a>	December 2010	December 2010	\$54,750	\$52,285	\$52,285

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.

Branscome, Inc. was the lead contractor on this fast-track project for the Virginia Port Authority. Known locally as the Median Rail Relocation Project, this Design-Build project was for the relocation of 5 miles of rail line connecting the APM port facility in Portsmouth, Virginia to existing Class I railroad lines. Although the project's primary purpose was relocation of the rail line to avoid numerous at grade crossings, the majority of the work centered on preparing the site for the new rail line and reconfiguring the adjacent highways. The project was constructed in the medians of the existing Western Freeway (SR 164) and Interstate 664 and included over 150,000 cubic yards of excavation, import and placement of over 300,000 cubic yards of borrow, installation of 85,000 tons of aggregate base, 20,000 tons of asphalt pavement installation, as well as over 15,000 linear feet of utility relocations.

Similar to the Route 3 Widening Project, the Median Rail Relocation Project required demolition of existing pavements, asphalt paving, bridge construction, utility and electrical work, grading, and material import. The majority of the work was performed directly adjacent to live traffic. As will be required for the Route 3 project, the Median Rail project also included planning and implementation of a comprehensive traffic control plan. Erosion and sedimentation control measures to handle stormwater runoff and regular wetlands monitoring were critical project elements in a number of locations along the project.



**ATTACHMENT 3.4.1(a)**

**LEAD CONTRACTOR - WORK HISTORY FORM**

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					Original Contract Value	Final or Estimated Contract Value	
<b>Powhite Express Lanes</b> <i>Richmond, VA</i>	Name: <b>HNTB</b>  See narrative below	Richmond Metropolitan Authority  David Caudill 804-523-3306 <a href="mailto:David@the-rma.org">David@the-rma.org</a>	June 2006	September 2008	\$16,897	\$16,762	\$16,762

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.

As the prime contractor, Branscome was responsible for the construction of six new On Road Tolling lanes in the median of a 2 mile portion of the existing Powhite Expressway. The work included over 60,000 cubic yards of excavation, installation of 10,000 linear feet of concrete median barrier, 2,000 cubic yards of concrete retaining wall construction, and placement of over 40,000 tons of asphalt pavement. With an ADT of nearly 90,000 vehicles per day, the Powhite Expressway is one of the most heavily travelled highways in the region. Construction of this project required extensive maintenance of traffic efforts to ensure the impact on the travelling public was minimized and the project was delivered safely. In addition to these similarities with the Route 3 project, the Powhite Express Lanes project also required extensive coordination with the project stakeholders to ensure quality, timely delivery of the project with minimal disruption to the tolling operations and in turn provide minimal impact to the RMA's revenue stream.



**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: <b>Western Wake Freeway Design-Build (R-2635)</b> <i>Wake County, NC</i>	Name: <b>Archer Western (Major) and Granite and Eutaw Joint Venture</b>  See narrative below	<b>North Carolina Turnpike Authority</b> 5400 Glenwood Avenue Raleigh, NC 27612  Jason Peterson, P.E. 919-836-4778	01/03/2013 (Original)  Design Phase Completed: 2010 (RFC Plans)	12/20/2012 (Actual) (13 days early)	\$446,440	\$446,440	\$25,000

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.

**OFFICE LOCATION:** Cary, NC; Charlotte, NC; Columbia, SC

**LEAD DESIGNER:** Michael Baker Jr., Inc.

**DESIGN BUILDER:** Raleigh-Durham Roadbuilders (a joint venture of Archer Western, Granite, Eutaw)

**PROJECT DESCRIPTION:** Baker provided design services as part of the Western Wake Freeway design-build team. The \$446 million design-build project was a new location roadway, approximately 12.6 miles in length from NC 55 at SR 1172 to NC 55 near SR 1630. The project was a six-lane controlled access toll road and includes the construction of 33 bridge structures, six interchanges, and numerous box culverts. The project required extensive traffic control planning and sequencing, railroad and utility coordination, and right-of-way acquisition. As part of this project, major arterials such as US 1 and US 64 were widened, resurfaced, and portions reconstructed.

The freeway saves customers up to 20 minutes per full-length trip. The project is the first project in North Carolina designed and built to utilize an all electronic toll collection system, meaning there are no toll booths and no stopping to pay tolls.

**LESSONS LEARNED:**

**Right-of-Way Acquisition:** Through the teams' recent experience with the Western Wake Freeway project, the Team discovered that a designated right-of-way liaison is necessary in providing accurate and timely information to NCTA and their Land Agents. It was essential to the project that the property owners are seen as individuals and that the NCTA, through their land agent, provides the most accurate information available during negotiations.

The right-of-way coordination team should begin by releasing selected parcels to NCTA, as the project footprint is finalized, so that the appraisal process and negotiations may begin. The initial focus should target properties located inside the mainline construction area and areas necessary for utility relocations. It is typical for design-build projects to have occasional revisions for additional easements due to the fast track nature of the design process; the Team should notify NCTA of potential revisions as they surface and once finalized, updated plans will be distributed. It should be the Team's desire to eliminate or reduce claims where possible, as well as minimizing revisions to the claims that have already been appraised, discussed and/or settled with the property owner. To provide clear and concise plans for the NCTA right-of-way agents, the Team has established a modified version of the NCDOT "Utility by Others" plans that are referred to as Project Coordination Plans. The Project Coordination Plans should include the typical data shown in the right-of-way plans along with proposed utilities, erosion control features, roadway detours and other pertinent features to assist the Land Agent with illustrating the claims to property owners.

**Utility Coordination:** During the early phases of design it was evident that a highly effective team of coordinators were needed to handle the amount of utility relocation and coordination that would be required. Our Team planned accordingly for utility coordination and achieved success. A key exercise implemented on this design-build project was the use of Joint Utility and Construction Coordination Meetings (JUCCM). The JUCCM was a weekly or bi-weekly meeting including utility owners, construction personnel and NCTA representatives, to review upcoming activities and provide feedback to improve cooperation. Our utility coordinator used his experience and existing relationships along with diligent communication to effectively coordinate relocations and bring all the utilities together on this project, to optimize all relocations to help keep the project on schedule and on budget.



**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: <b>Cedar Road, Phases IV and V</b> <i>Chesapeake, VA</i>	Name: <b>E. V. Williams, Inc.</b>  See narrative below	<b>City of Chesapeake</b> Department of Public Works Chesapeake, Virginia 23328  Paul Dunn, P.E. 757-382-6129	2003 (Original)	2003 (Actual)	\$11,900	\$12,300	\$1,700

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

**OFFICE LOCATION:** Virginia Beach, VA

**PRIME DESIGNER:** Michael Baker Jr., Inc.

Baker staff members provided professional engineering and environmental services for improvements to Cedar Road, Phases IV and V. The project is 2.6 miles of 4-lane, divided highway on new alignment from the intersection with Diamond Avenue on the west to the intersection with Dominion Boulevard (Route 104) on the east. The new alignment is north of existing Cedar Road and included connections at the realigned existing Cedar Road (west)/Shipyard Road, Terwillinger Road, Millville Road, realigned existing Cedar Road (east)/ Seberial Way, Lancing way and Dominion Boulevard (Route 104).

The project included design of a fully urban roadway section from Diamond Avenue to existing Cedar Road (west)/Shipyard Road intersection. The proposed section from existing Cedar Road (west)/Shipyard Road to the intersection with Dominion Boulevard includes: four thru lanes; right- and left-turn lanes with tapers at intersections; raised median; a combination open ditch and pipe drainage system to meet the concerns of the Army Corps of Engineers (in order to minimize wetland impacts by having no ditches greater than 18 inches deep through sensitive wetland areas); and a detailed sequence of construction plans to facilitate construction in wet soil conditions by installing a continuous median underdrain system first and storm drain systems located within the median to also assist in construction in wet soil conditions.

Included in this project is a 500-foot-long bridge over New Mill Creek, a branch of the Elizabeth River. This bridge is an 8-span structure, using prestressed concrete I- girders made continuous for live load. The substructure is reinforced concrete supported by presertressed concrete piles.

The critical issues for this project include:

- Right of way taking
- Maintenance of 2-way, 2-lane traffic during construction
- Tidal and non-tidal wetland impacts
- Driveway reconstruction
- Drainage
- Rapidly increasing housing development, and Preservation of existing trees
- Design of a new 8-span bridge

Due to a high-quality package of construction plans and contract documents the contractor was able to bid the project well under the engineer's estimate, thus saving the city valuable funds during constrained economic times.

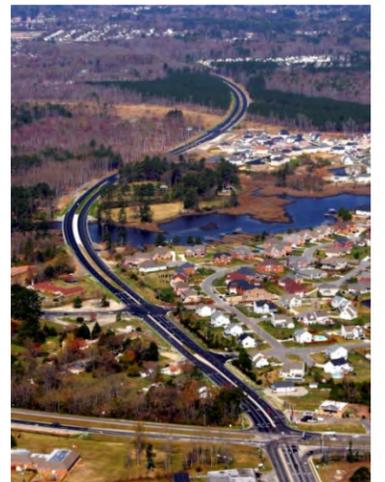
**CHALLENGE:** The new alignment for Cedar Road passed through low-lying wetland areas that pose a concern for construction. Many of these areas have standing water and could prove to be not only a construction challenge but result in additional costs for the City.

**SOLUTION:** Baker staff members, working with the City, developed a modified median underdrain system to alleviate constructibility concerns of the City regarding the wetland areas. A detailed construction sequence was developed that specified how the underdrain trench would be used to facilitate draining only the project areas within the right-of-way.

**RESULT:** The constructibility issues, once a threat to the project, have been drastically reduced. The modified underdrain system, along with the detailed construction sequence, will result in a project constructed on time and within budget.

Together with the City of Chesapeake, Baker's environmental scientists, transportation planners and engineers, and utility engineers are developing plans for a new Cedar Road corridor, as well as ditch and shoulder improvements to the existing Cedar Road.

The project includes alternatives analysis, wetlands impact analysis and mitigation, protected species studies, Phase I and modified Phase II site assessments, public participation and federal, state, and local permit documentation.



**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: <b>Dan Daniel</b> <b>Memorial Highway</b> <b>(Route 265/29)</b> <i>Danville, VA</i>	Name: <b>Roy Ford (grading)</b> <b>W.T. Milam &amp; Sons (grading)</b> <b>English (paving)</b>  See narrative below	<b>Virginia Department of Transportation</b>  George Venable 804-856-8257	2000 (Original)	2000 (Actual)	\$16,700	\$16,700	\$1,200

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.

**OFFICE LOCATION:** Virginia Beach, VA; Richmond, VA

**PRIME DESIGNER:** Michael Baker Jr., Inc.

Final Design for seven miles of widening an existing 2-lane limited access facility previously constructed on 4-lane right-of-way. This project includes the parallel design of the mainline to Interstate standards, 4-lane raised median design of Franklin Turnpike Extension, and the design of a fully directional interchange with Franklin Turnpike. Also included is the design of four structures, one of which is a major structure utilizing MSE walls, carrying Franklin Turnpike over Route 265. This project will require additional right-of-way to contain new storm water management basins being designed to control quality and quantity in accordance with the requirements of new regulations. This project will be a crucial link in the future designation of Route 29 as an Interstate highway.

