BRANSCOME INCORPORATED

TIMMONS GROUP
YOUR VISION ACHIEVED THROUGH OURS.

I-64 WIDENING AND ROUTE 623 INTERCHANGE IMPROVEMENTS

RFQ NUMBER: C00070542DB55

GOOCHLAND AND HENRICO COUNTIES, VA

Submitted By:

Branscome Incorporated
4551 John Tyler Highway
Williamsburg, VA 23185
Phone: 757.229.2504
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In Association With:

Timmons Group, Inc.
1001 Boulders Parkway, Suite 300
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SECTION 3.2
Letter of Submittal

BRANSCOME
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REGISTERED VIRGINIA CONTRACTOR NO. 2705061347A CLASS A R/W

3.2 LETTER OF SUBMITTAL

November 15, 2012

Mr. Stephen D. Kindy, PE
Alternative Project Delivery Office
Virginia Department of Transportation
1401 East Broad Street; Annex Bldg., 8th Floor
Richmond, Virginia 23219

***RE:* I-64 Widening and Route 623 Interchange Improvements, RFQ No: C00070542DB55**

Dear Mr. Kindy:

Branscome, Inc. is pleased to submit our Statement of Qualifications in response to the Virginia Department of Transportation's I-64 Widening and Route 623 Interchange Improvements project in Goochland 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 Timmons Group, an ENR Top 500 civil engineering firm with the stability, resources, and personnel depth to provide an outstanding project design. For the I-64 Widening and Route 623 Interchange Improvements 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., Timmons Group 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 50 years, Branscome has worked with VDOT to construct hundreds of transportation infrastructure projects in Virginia. Likewise, Timmons Group has served the Commonwealth of Virginia for nearly 60 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,

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

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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	804.749.3266(Telephone)
Design-Build Project Manager	804.744.3203 (Fax)
2150 Ashland Road	804.347.2930 (Cell)
Rockville, VA 23146	mooreb@branscome.com

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)
4551 John Tyler Highway	757.592.1600 (Cell)
Williamsburg, VA 23185	pattersons@branscome.com

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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. Timmons Group, Inc. will be the lead designer for the project.

3.2.6 Offeror's Affiliates

Branscome, Inc. has one affiliate ~ Colas, Inc. Address information for Colas, Inc. is enclosed in Appendix C.

3.2.7 Certification Regarding Debarment Forms

Please see these required forms in Appendix D.

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 Appendix F.

3.2.9 Surety

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

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 Appendix F.

3.2.11 DBE Participation

Branscome is committed to achieving a ten (10%) 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.

SECTION 3.3
Team Structure

3.3 TEAM STRUCTURE

3.3.1 Key Team Personnel Identification

Our team's key personnel resume forms are enclosed in Appendix G. Our team members meet all requirements and will provide confidence to VDOT that the project and any risks will be effectively managed through our team's experience and accountability.

Branscome has brought together a team of first-class construction management, design and Quality Assurance/Quality Control firms to the I-64 widening project. Each firm is an industry leader in their own disciplines as well as very experienced in building highway and transportation infrastructure projects for VDOT and many other agencies throughout the Commonwealth.

Branscome, Inc. 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.

Timmons Group, Inc. is the lead design firm for the project. They will be responsible for the overall design, coordinating with the Design-Build team to ensure compliance with federal/state/local regulatory requirements, and managing the other design consultants.

NXL Construction Services, Inc. will be providing Quality Assurance Management to the project. They will be responsible for ensuring compliance with all of the Department's quality assurance requirements while maintaining a clear independence of the project's construction operations.

Moffatt & Nichol will be our team's lead structural design firm. They will be responsible for the design of the superstructure replacement and widening at the two bridges of Tuckahoe Creek as well as the box culvert extensions.

Pulsar Advertising, Inc. will be our team's public relations consultant. They will lead the team's public outreach program and will be our main representative in media/public relations.

Froehling and Robertson, Inc. will provide quality control testing and inspection services for The Branscome Team.

Schnabel Engineering will be our team's geotechnical consultant. They will be responsible for performing the necessary subsurface exploration, embankment stability analysis, foundation analysis for the Tuckahoe Creek bridges, and preparing the final geotechnical report.

Atkins North America will be our team's Intelligent Transportation Systems (ITS) designer. They will be responsible for developing the design for any additions or improvements to the existing ITS system, such as variable message signs or traffic cameras. Atkins' east region ITS program is based in Richmond, and Atkins has two ITS offices in Virginia from which they can support this project.

The Branscome Team's key personnel are:

J. Brent Moore, Design-Build Project Manager (DBPM)
Brent brings over 35 years of construction experience to the I-64 Widening project. Throughout his career, Brent has excelled at bringing large transportation projects to completion on time and within budget. Most recently, Brent was responsible for construction of the $35 million I-64 Pavement

Rehabilitation project in Richmond, VA. 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.

Chris Kiefer, PE, Design Manager (DM)
Chris brings 24 years of professional design experience to the I-64 Widening project. He is a registered Professional Engineer in the Commonwealth of Virginia with extensive experience with all aspects of transportation planning and design for primary, secondary and local roadway systems. Chris and his team have designed projects in a wide variety of situations – from new two-and four-lane roadway projects to the widening of existing urban corridors to complex interchange and interstate designs.

Chris is an expert regarding VDOT and FHWA guidelines and procedures, utility coordination, drainage and stormwater management. He is also the contract manager for projects performed under Timmons Group's on-call term contract for traffic engineering services with VDOT's Central Region. Services being provided include: design and review of traffic signals, signs, Intelligent Transportation Systems (ITS) devices, pavement markers/markings, guardrail, lighting, other roadway safety improvements, review of catalog cuts/shop drawings and traffic engineering related studies and/or analyses.

Michael Saunders, PE, CCM, Quality Assurance Manager (QAM)
Michael brings 11 years of experience in the management and oversight of utility, highway and bridge construction projects to his role as Quality Assurance Manager for the I-64 Widening project. Michael has extensive experience in project controls, CPM scheduling, resident engineering, and program and project management. He brings with him a wealth of knowledge of VDOT's requirements for quality assurance which he gained through his work as an Area Construction Engineer in VDOT's Richmond District. Michael is a registered Professional Engineer in the Commonwealth of Virginia.

Leith Hartman, Construction Manager (CM)
Leith brings over 30 years of construction experience to the I-64 Widening project. Leith's most recent project was the $30 million Princess Anne Road Widening in Virginia Beach. His expertise in constructing large heavy civil and highway projects will be a substantial 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.

3.3.2 Organizational Chart/Functional Relationships

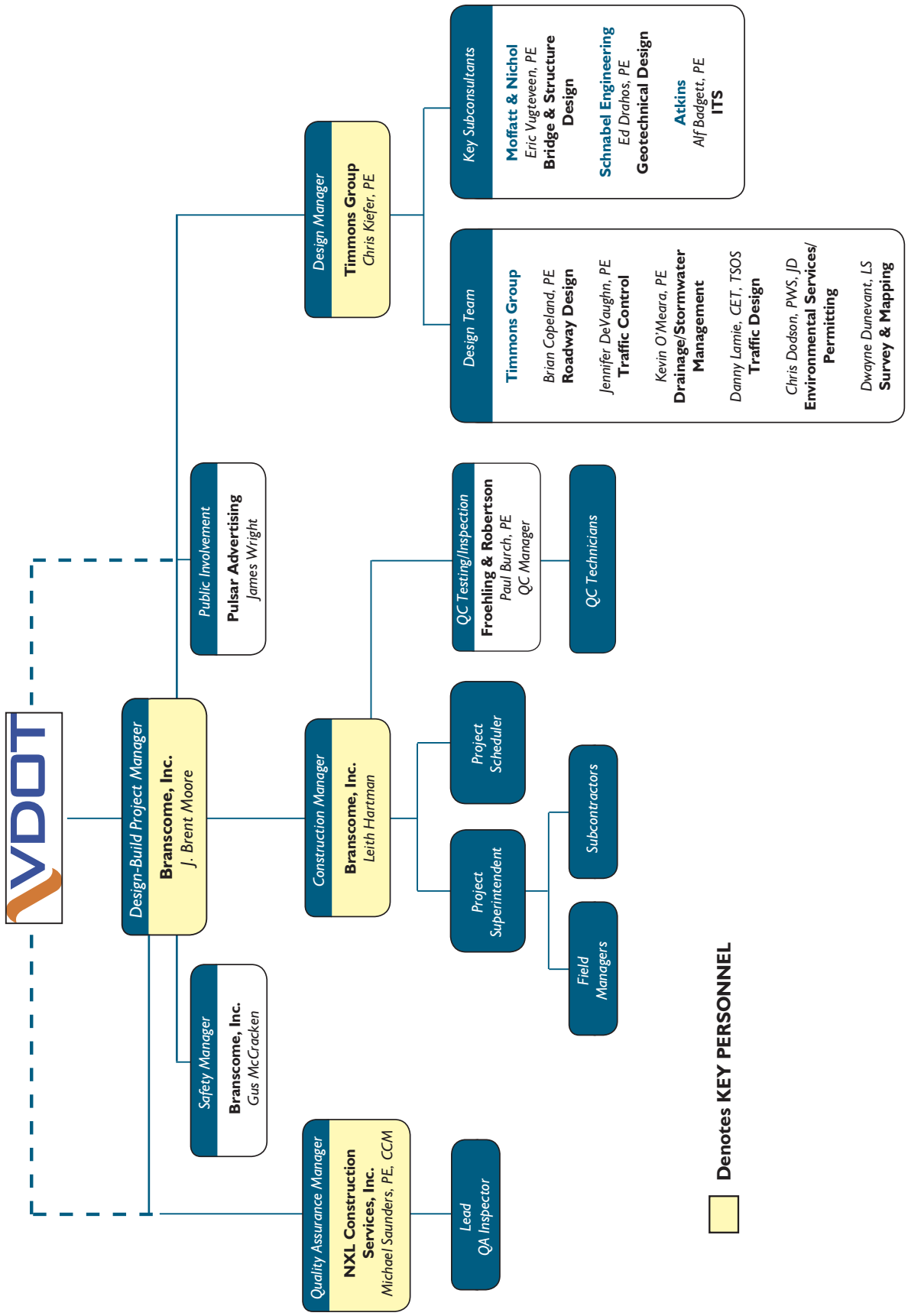
Organizational Chart

Our team's organizational chart is shown on the following page.

3.3.2 Organizational Chart/Functional Relationships

Organizational Chart

All pertinent disciplines required to successfully complete the design and construction of this project are shown on the chart below.



Functional Relationships

Included below is a description of the roles and responsibilities of our team members and an explanation as to the functionality of each relationship.

J. Brent Moore, Design-Build Project Manager (DBPM)
Brent Moore 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. He 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 DBPM is the single, primary point of contact with VDOT.**

Chris Kiefer, PE, Design Manager (DM)
Chris's responsibilities include: (1) performing design reviews of RFP documentation and coordinate design input and support to DBPM for proposal submission; (2) coordinating all individual design disciplines and ensure the overall project design conforms to the construction documents and (3) fully establishing and overseeing the QA/QC program for all pertinent disciplines involved in the design of the project, including design review, working plans, specifications and constructability on the project. **The DM reports functionally to the DBPM.**

Leith Hartman, Construction Manager (CM)
Leith's responsibilities include: (1) performing constructability reviews of RFP documentation and coordinate estimating and operations input and support to DBPM 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) ensuring 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 DBPM and draws support from the QC Manager and Safety Manager.**

Michael Saunders, PE, CCM, Quality Assurance Manager (QAM)
Mike's responsibilities include: (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 DBPM and VDOT, ensuring that he is not constrained in his work by the requirements of production.**

Paul Burch, PE, Quality Control Manager for Testing/Inspection (QCM)
Paul's responsibilities include: (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; and (3) maintaining project documentation including the Materials Notebook. **The QCM reports directly to the CM.**

James Wright, Public Relations Manager (PRM)
James' responsibilities include: (1) development/implementation of the project-specific public outreach program; (2) acting as liaison with general public and media on behalf of The Branscome Team; and (3) assisting VDOT with any efforts it may have in relation to public outreach/ involvement. **The PRM reports directly to the DBPM.**

Brian Copeland, PE, Roadway Designer (RD)
Brian's responsibilities include: (1) reviewing the conceptual (RFP) plans with the help of various individuals from the construction team; and (2) developing a design which incorporates the considerable experiences of the construction staff while conforming to the standards and specifications required for work. Consideration must be given to existing roadway surroundings, natural environmental concerns and potential socioeconomic effects of any design elements. **The RD reports directly to the DM.**

Kevin O'Meara, PE, Drainage Designer (DD)
Kevin's responsibilities include: (1) calculations of existing water flows, design of stormwater conveyances and stormwater management systems and facilities; (2) design and sizing of storm drains and accompanying structures; and (3) design of sediment and erosion control measures (*i.e.*, rip rap, grass swales, earth berms). Kevin works closely with the Construction Superintendent to verify applicability of design with the construction methods desired for use in the project area. **The DD reports directly to the DM.**

Chris Dodson, PWS, JD, Environmental Manager (EM)
Chris's responsibilities include: (1) reviewing design plans to ensure permit requirements have been met and that all practical avoidance and mitigation efforts are incorporated; (2) monitoring the construction to assure that all work is in compliance with authorized activity; (3) recommending measures to keep the project in compliance; (4) informing the CM and Design-Build team of any non-compliance issues; and (5) recommending measures to bring the project into compliance. **The EM reports directly to the DM and works closely with the CM and project team.**

Eric Vugteveen, PE, Structural Engineer (SE)
Eric's responsibilities include: (1) reviewing the RFP documents to evaluate the existing bridge structures; (2) developing the overall structural design for the proposed bridge and box culvert improvements; (3) closely working with the other design disciplines to incorporate the bridge improvements into the overall project design. **The SE reports directly to the DM and works closely with the RD and the Geotechnical Engineer.**

Ed Drahos, PE, Geotechnical Engineer (GE)
Ed's responsibilities include: (1) managing the geotechnical investigation and analysis; (2) developing the final geotechnical report; (3) closely working with the SE and RD in developing a design that will best suit the project considering the in situ conditions. **The GE reports directly to the DM and works closely with the RD and the SE.**

Alf Badgett, PE, Intelligent Transportation Systems Design Manager (ITSD) Alf's responsibilities include: (1) senior management and technical ITS design expertise; (2) ITS plan preparation and functional design and (3) assisting the DM with preparation of bid documents. **The ITSD will report directly to the DM.**

Dwayne Dunevant, LS, Survey Manager (SM)
Dwayne's responsibilities include: (1) establishing and verifying the project control points and (2) gathering all survey information necessary to design the project. **The SM reports directly to the DM.**

SECTION 3.4
Team Experience

3.4 EXPERIENCE OF THE TEAM

3.4.1 Work History Forms and Resumes for Lead Contractor and Lead Designer

Branscome, Inc. 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 Records as the #2 Highway Contrator and #37 overall in their Top 400 Contractors List.** With over a 50 year history in the Virginia construction marketplace and a regional workforce of more than 700 people and a fleet of over 1,000 pieces of heavy equipment, Branscome has the resources available to respond immediately to the needs of the I-64 Widening project. Branscome has successfully constructed hundreds of projects for VDOT, dozens of them having been very similar to the I-64 Widening project**. In addition to our long-standing relationship with VDOT, Branscome also brings strong working relationships with its other team members.** Branscome and Timmons Group have previously worked together on projects such as the Route 360 Widening in Chesterfield, VA, the Meadowville Technology Parkway in Chesterfield, VA, and the Route 288/60 Roadway Improvements in Midlothian, VA. Branscome and Moffatt & Nichol have developed a strong relationship through their work together on the Commonwealth Rail Relocation Design-Build Project in Hampton Roads, VA. These relationships, along with those of the rest of our team, will bring a true partnering mentality to the project approach in order to provide VDOT with the best project possible in the least amount of time.

With annual revenues in excess of $200 million, Branscome has regional offices located throughout the Mid-Atlantic region and also operates 11 hot mix asphalt plants and 4 quarries in VA and NC. **Particularly of note is that Branscome operates a regional office and an asphalt plant within one mile from the I-64 project. Our proximity to the project will be advantageous to the Department as it positions us to bring substantial cost savings to the project and the Commonwealth.** In addition to this, we bring with us a strong local knowledge of the project corridor and the challenges that come along with working in it. As, a member of the local business community, we have a stake in the project's success and will bring the expertise and resources to ensure that it is a resounding one.

Timmons Group, Inc. is the lead designer for the project and is responsible for the project design; surveying and environmental permitting and compliance; management of other the other design consultants; and coordination with the entire design-build team. As a 230-person professional services consulting firm, their capabilities include civil and geotechnical engineering, planning, landscape architecture, environmental services, surveying, and geospatial technology services.

Timmons Group is the largest civil engineering firm headquartered in central Virginia and is proud to have been ranked in Engineering News-Record's list of the nation's "Top 500 Design Firms" for over 20 years. During that same 20-year period, Timmons Group has worked for VDOT on a variety of highway design projects across Virginia, including: Route 143 (Jefferson Avenue) in Newport News;

Route 58 in Patrick County; Route 58 (Jonesville Bypass) in Lee County; and Routes 601, 631, 660, 671 in Albemarle County. Through this experience they have developed proficiency with VDOT's design standards, specifications, and administrative procedures while establishing strong working relationships with VDOT staff at the Central Office, District and Residency levels.

Timmons Group successfully completed the design of the $41 million Route 17 project in Chesapeake, earning a **Design Quality Index score of 3.8** (on a 4.0 scale) from VDOT. Timmons Group and VDOT were also awarded an ACEC Award of Excellence for that project based on developing a design that minimized environmental impacts while meeting transportation mobility goals and improving safety along the corridor.

Timmons Group has successfully worked with Branscome on a number of projects in the Richmond District including the Route 360 widening (near Brandermill) and Robious Road widening (near James River High School). Timmons Group and Branscome have also been working together to complete the design-build construction of a $4.5 million, 4-lane extension of Meadowville Technology Parkway to serve the new Amazon distribution center in Chesterfield County.

NXL Construction Services, Inc. will be providing Quality Assurance Management to the project. Founded in 1989 and based in Richmond, Virginia, NXL provides a full range of construction management, land surveying and mapping services for transportation and engineering design projects across the Commonwealth and the U.S. NXL has provided their services on many design-build projects for VDOT including the I-81 Corridor Safety Improvements in Montgomery County, the Route 36 Improvements at Fort Lee, and the Woodrow Wilson Bridge Project in Northern Virginia. They currently are under contract to provide Construction Engineering Inspection services for VDOT's Richmond District. NXL's extensive knowledge of VDOT's quality management programs will be an extremely valuable addition to the project.

Moffatt & Nichol, Inc. is our team's lead structural design firm. Moffatt & Nichol (M&N) offers a full range of planning, design, project funding and management services for bridge and highway projects. Established in 1945, M&N is an industry leader in transportation, marine, and energy design services. The firm's experience acquired through its large portfolio of complex transportation projects will be an invaluable resource for the I-64 Widening project. They are a go-to firm for VDOT's Structure & Bridge Division, holding on-call contracts for New Bridge Design, Maintenance and Repair, Bridge and Highway Structures Inspection and Bridge Load Ratings continually since opening an office in Virginia in 1996. M&N has worked with Timmons Group on a number of projects for Virginia municipalities in the past two years, and completed a $60 million design-build project with Branscome in the Hampton Roads District that is further detailed in the contractor's work history forms. M&N is currently working with Schnabel Engineering on a number of VDOT and municipal projects, and is also currently working with NXL.

Pulsar Advertising, Inc. is our team's public relations specialist. A minority owned business established in 1992, Pulsar is the nation's premier advertising agency specializing in transportation and transit marketing, branding, advertising and public relations. Pulsar's collaborations have resulted in Pulsar Advertising winning more national transportation marketing awards than any other agency in the country. Pulsar Advertising has successfully collaborated on numerous large highway projects in Virginia, including the Springfield Interchange and the Dulles Metrorail Extension.

Froehling & Robertson, Inc. will provide quality control testing and inspection services for The Branscome Team. Established in 1881, Froehling & Robertson, Inc. (F&R) is the oldest independent consulting engineer/testing firm in the United States. Each year, they provide geotechnical, materials testing, and environmental engineering services for thousands of projects across dozens of industries. F&R has worked on some of the largest and most intricate construction projects ever undertaken in the Mid-Atlantic region including the Route 288 Design-Build project in Richmond, VA, the I-77 Design Build project in Charlotte, NC and the Woodrow Wilson Bridge project in Northern Virginia. F&R is a minority-owned business and is certified as such by the Commonwealth of Virginia. F&R's laboratories are accredited by the AASHTO (AMRL/CCRL), U.S. Army Corps of Engineers, and WACEL.

Schnabel Engineering is our team's geotechnical consultant. Schnabel Engineering was founded in 1956 and offers highly specialized services in geotechnical engineering, geostructural design, dam engineering, tunnel and underground engineering, environmental, geophysical and geosciences, construction monitoring, and resident engineering from 18 locations throughout the United States.

Schnabel will provide our team with a full range of geotechnical engineering capabilities including subsurface explorations, soil testing, engineering analysis, design recommendations, and construction phase services.

Atkins North America will be responsible for providing ITS design services for the team. Atkins is one of the world's leading engineering and design consulting companies and offers a full-service ITS team that has long been at the forefront of ITS development and deployment. They have assisted clients with their ITS needs by helping them achieve their safety, security, and efficiency goals through ITS solutions. With their agency partners, they have helped secure funding to design, build, operate, and maintain their ITS infrastructure. Atkins ITS capabilities include: traffic management; traveler information; traffic operations centers; incident management; performance measures and program management.

Please find work history forms and resumes for our key personnel in in Appendix G.

SECTION 3.5
Project Risks

3.5 PROJECT RISKS

3.5.1 Three Critical Project Risks

The Branscome Team has identified the following critical project risks and mitigation strategies.

(1) Maintenance of Traffic During Construction

The proposed project will require reconstruction directly within the limits of the existing I-64 travel lanes and along a highly congested section of Route 623. There are numerous businesses located in close proximity to the project including several quarries and a landfill. These businesses bring a high truck count to the corridor through their daily operations. Proper maintenance of traffic will be critical in reducing and eliminating unnecessary traffic congestion and confusion. Along with the potential confusion drivers may face, there also comes the risk associated with access by our workforce to the median areas of I-64. Construction equipment, materials, and personnel will need to be delivered to the median on a regular basis requiring a comprehensive plan to interact with vehicles travelling through the corridor at high speeds. ***Protecting the safety of the traveling public and construction workers will be the highest priority of the design-build team***.

This risk can be mitigated by proper planning in the design and construction phase and by instituting a strategy of escalating controls if problems arise. We will begin by developing a Traffic Management Plan (TMP). This will involve a detailed analysis of the existing traffic conditions and developing a traffic control model to address any problem areas or concerns. This includes installing appropriate signage in all four directions of travel well before reaching the project and having signs that guide drivers through the project with the least amount of confusion. Traffic cones and barrels will be used as appropriate to make each travel lane easily identifiable. We will also install concrete barriers in the median of I-64 to create a safe separation between the construction activities and the travelling public. Our team will evaluate the use of alternative work hours and if need be, perform portions of the work at night. We will have 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 and enhance safety.

In addition to these tangible controls, our team will develop and implement a comprehensive public outreach program. Our public relations team will work 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, and coordination with local television stations to name a few. We understand the impact that our operations will have on the local community and others who use this corridor and feel our team is best suited to keep these impacts to a minimum.

(2) Environmental Permitting and Stormwater Management

The proposed project includes the widening of I-64 by constructing an additional lane in each direction within the existing median area. This includes the reconstruction or improvement of several large drainage structures, including a triple 6’ x 7’ box culvert at Anderson Creek as well as twin bridges carrying I-64 over Little Tuckahoe Creek. Streams and wetlands will be impacted by construction, including approximately 3,000 linear feet of streams (waters of the U.S.) and 1.5 acres of wetlands. A Categorical Exclusion has been approved by FHWA; however, the project will still require permits from the U.S. Army Corps of Engineers, Virginia Department of Environmental Quality and Virginia Marine Resources Commission.

While securing these permits is not inherently considered to be high-risk, two situations exist that may increase the environmental impacts of the project on either a temporary or permanent basis. The first, as described in the previous section, is the need to provide construction access throughout the project in a manner that maximizes safety and minimizes impacts to the traveling public. This will necessitate nearly all construction to occur "behind the barricade", potentially increasing temporary impacts to jurisdictional areas located at multiple locations within the median. If possible, these impacts will be avoided through the use of project-specific training for equipment operators, robust perimeter controls (*e.g.* super silt fence) and possibly some short retaining walls or other mechanical stabilization methods. Unavoidable impacts will be mitigated through the judicious use of temporary stabilization techniques (e.g. timber mats or geosynthetics) and the incorporation of stream and wetland restoration measures into the project plans.

The other condition requiring attention is the need to provide stormwater management for the project to achieve VSMP and MS4 permit compliance. Locations for stormwater management facilities or best practices have not been identified on the conceptual plans; however these will likely be needed in or adjacent to wetland areas. We will investigate methods for collecting and transporting stormwater runoff that will take advantage of the natural topography and existing infrastructure while maximizing the opportunities for mitigating increased stormwater quantity and improving stormwater quality. These methods may include modifications to existing drainage structures, permanent checkdams, bioswales or other infiltration opportunities.

Our team has a goal to ***leave the project site better than we found it*** and are confident that we will develop the designs and utilize the construction methods necessary to avoid and minimize impacts to natural resources and comply with all environmental permits.

(3) Existing Conditions and Potential Unsuitable Materials

The preliminary Geotechnical Data Report (GDR) suggests that the soils available within the within the median of I-64 will be generally suitable for the proposed roadway improvements and bridge construction. However, Branscome has extensive experience in vicinity of the project and knows that there is the potential for unsuitable materials to exist in areas throughout the project. There are streams, wetlands and other low-lying areas in multiple locations that inherently bring wet or unsuitable soils in to play. In addition, our experience tells us that at least a portion of the "in situ" soils within the median is likely to be unsuitable/spoil material left over from the original I-64 reconstruction. We feel that the existing soil conditions are a risk to the project because of the potential impacts they may have on not only the project design, but to project cost and schedule as well.

There is a cost risk to the project by underestimating the potential for unforeseen and unsuitable soil conditions. This risk includes the potential need for undercutting, importing suitable fill material, lime stabilization or other mitigation measures that could substantially impact the cost of the project. Additionally, these soils can also impact the overall project schedule. The impacts would stem from the need for re-designing portions of the project, work stoppages or disruptions, and additional time for mitigation measures to be implemented to name a few.

Our team intends to mitigate this risk by performing a more detailed soil sampling and geotechnical engineering evaluation during the second phase of this procurement. We will evaluate the existing conditions, including construction-critical or other suspect areas, develop a plan for managing the on-site soils in the most cost-effective, time-sensitive manner for the project, and incorporate the plan into our overall approach to designing and constructing the project. Fortunately, Branscome is very familiar with the project site and is well positioned to bring the resources and expertise to ensure that the risks associated with the on-site soils are kept to a minimum.

APPENDIX A

ATTACHMENT 3.1.2

Addendum No. 1

Project: 0064-964-110, P101, C501, RW201

STATEMENT OF QUALIFICATIONS CHECKLIST AND CONTENTS

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

Statement of Qualifications Component	Form (if any)	RFQ Cross reference	Included within 15-page limit?	SOQ Page Reference
Statement of Qualifications Checklist and Contents	Attachment 3.1.2	Section 3.1.2	no	Appendix A A-1 - A-3
Acknowledgement of RFQ, Revision and/or Addenda	Attachment 2.10 (Form C-78-RFQ)	Section 2.10	no	Appendix B B-1
Letter of Submittal (on Offeror's letterhead)				
Authorized Representative's signature	NA	Section 3.2.1	yes	2
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	3
Identity of Lead Contractor and Lead Designer	NA	Section 3.2.5	yes	3
Affiliated/subsidiary companies	Attachment 3.2.6	Section 3.2.6	no	Appendix C C-1
Debarment forms	Attachment 3.2.7(a) Attachment 3.2.7(b)	Section 3.2.7	no	Appendix D D1 - D8
Offeror's VDOT prequalification evidence	NA	Section 3.2.8	no	Appendix F F-5
Evidence of obtaining bonding	NA	Section 3.2.9	no	Appendix E

ATTACHMENT 3.1.2

Addendum No. 1

Project: 0064-964-110, P101, C501, RW201

STATEMENT OF QUALIFICATIONS CHECKLIST AND CONTENTS

Statement of Qualifications Component	Form (if any)	RFQ Cross reference	Included within 15-page limit?	SOQ Page Reference
Full size copies of SCC and DPOR registration documentation (appendix)	NA	Section 3.2.10	no	Appendix F
SCC Registration	3.2.10	Section 3.2.10.1	no	Appendix F F6 - F13
DPOR Registration (Offices)	3.2.10	Section 3.2.10.2	no	Appendix F F14 - F21
DPOR Registration (Key Personnel)	3.2.10	Section 3.2.10.3	no	Appendix F F22 - F29
DPOR Registration (Non-APELSCIDLA)	3.2.10	Section 3.2.10.4	no	Appendix F F30
DBE statement within Letter of Submittal confirming Offeror is committed to achieving the required DBE goal	NA	Section 3.2.11	yes	3
Offeror's Team Structure				
Identity of and qualifications of Key Personnel	NA	Section 3.3.1	yes	4
Key Personnel Resume – DB Project Manager	Attachment 3.3.1	Section 3.3.1.1	no	Appendix G G1 - G2
Key Personnel Resume – Quality Assurance Manager	Attachment 3.3.1	Section 3.3.1.2	no	Appendix G G3- G4
Key Personnel Resume – Design Manager	Attachment 3.3.1	Section 3.3.1.3	no	Appendix G G5- G6
Key Personnel Resume – Construction Manager	Attachment 3.3.1	Section 3.3.1.4	no	Appendix G G7 - G8
Organizational chart	NA	Section 3.3.2	yes	6
Organizational chart narrative	NA	Section 3.3.2	yes	7

ATTACHMENT 3.1.2

Addendum No. 1

Project: 0064-964-110, P101, C501, RW201

STATEMENT OF QUALIFICATIONS CHECKLIST AND CONTENTS

Statement of Qualifications Component	Form (if any)	RFQ Cross reference	Included within 15-page limit?	SOQ Page Reference
Experience of Offeror's Team				
Lead Contractor Work History Form	Attachment 3.4.1(a)	Section 3.4	no	Appendix G G9 - G11
Lead Designer Work History Form	Attachment 3.4.1(b)	Section 3.4	no	Appendix G G12 - G14
Project Risk				
Identify and discuss three critical risks for the Project	NA	Section 3.5.1	yes	13

APPENDIX B

Form C-78-RFQ

ATTACHMENT 2.10

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF TRANSPORTATION

RFQ NO. C00070542DB55

PROJECT NO.: 0064-964-110, P101, C501, RW201

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 09/25/2012
   (Date)
2. Cover letter of Addendum #1 - 11/01/2012
   (Date)
3. Cover letter of _____
   (Date)

SIGNATURE

11-15-12
DATE

APPENDIX C

ATTACHMENT 3.2.6

State Project No. 0064-964-110, P101, C501, RW201

Affiliated and Subsidiary Companies of the Offeror

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

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

Relationship with Offeror (Affiliate or Subsidiary)	Full Legal Name	Address
Affiliate	Colas, Inc.	163 Madison Avenue, Suite 500 Morristown, NJ 07960

APPENDIX D

ATTACHMENT NO. 3.2.7(a)

CERTIFICATION REGARDING DEBARMENT
PRIMARY COVERED TRANSACTIONS

Project No.: 0064-964-110, P101, C501, RW201

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.

Signature	Date	Title
[signature]	11-15-12	General Manager

Branscome, Inc.
Name of Firm

ATTACHMENT NO. 3.2.7(b)

CERTIFICATION REGARDING DEBARMENT
LOWER TIER COVERED TRANSACTIONS

Project No.: 0064-964-110, P101, C501, RW201

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

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

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

Signature _____ Date 10/24/12 Title President

NXL Construction Service, Inc.
Name of Firm

ATTACHMENT NO. 3.2.7(b)

CERTIFICATION REGARDING DEBARMENT
LOWER TIER COVERED TRANSACTIONS

Project No.: 0064-964-110, P101, C501, RW201

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.

	October 23, 2012	Principal
Signature	Date	Title

Timmons Group, Inc.

Name of Firm

ATTACHMENT NO. 3.2.7(b)

CERTIFICATION REGARDING DEBARMENT
LOWER TIER COVERED TRANSACTIONS

Project No.: 0064-964-110, P101, C501, RW201

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.

10/30/12 VICE PRESIDENT

Signature Date Title

Moffatt & Nichol

Name of Firm

ATTACHMENT NO. 3.2.7(b)

CERTIFICATION REGARDING DEBARMENT
LOWER TIER COVERED TRANSACTIONS

Project No.: 0064-964-110, P101, C501, RW201

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

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

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

Edward G. Drahos 11-01-12 Principal

Signature Date Title

Schnabel Engineering Consultants, Inc.

Name of Firm

ATTACHMENT NO. 3.2.7(b)

CERTIFICATION REGARDING DEBARMENT
LOWER TIER COVERED TRANSACTIONS

Project No.: 0064-964-110, P101, C501, RW201

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

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

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

Signature	Date	Title
Samuel N. Kirby, Jr.	11/5/2012	President

Froehling & Robertson, Inc.

Name of Firm

ATTACHMENT NO. 3.2.7(b)

CERTIFICATION REGARDING DEBARMENT
LOWER TIER COVERED TRANSACTIONS

Project No.: 0064-964-110, P101, C501, RW201

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

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

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

Signature 11/2/12 Date PRINCIPAL/REGIONAL DIRECTOR Title

PULSAR ADVERTISING, INC.
Name of Firm

ATTACHMENT NO. 3.2.7(b)

CERTIFICATION REGARDING DEBARMENT
LOWER TIER COVERED TRANSACTIONS

Project No.: 0064-964-110, P101, C501, RW201

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

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

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

[signature] 11/5/12 Vice President Division Manager

Signature Date Title

Atkins North America

Name of Firm

APPENDIX E

Willis

November 15, 2012

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

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

Mr. Stephen D. Kindy, P.E.
Alternate Project Delivery Office
Virginia Department of Transportation
1401 East Broad Street
Annex Building, 8th Floor
Richmond, Virginia 23219

RE: Branscome, Inc. Bonding Qualification Letter
State Project No. 0064-964-110,P101,C501,B610-B614,B617,B616,D601-D606
Design-Build Project, I-64 Widening and Route 623 Interchange Improvements, Goochland County and Henrico County, Virginia

Dear Mr. Kindy:

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 $30,000,000., 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

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

Willis of Pennsylvania, Inc
P.O. Box 9052
Radnor, Pennsylvania 19087-9052.

THIS POWER OF ATTORNEY IS NOT VALID UNLESS IT IS PRINTED ON RED BACKGROUND. 5265178

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. _____

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, WENDY LEE WADKINS, CHRISTOPHER F. MULVANEY, MARK V. NIEMEYER, JANE L. COLE, VINCENT J. MANCINI, CHARLES N. PARSONS, VICKI JOHNSTON, LEONARD R. DWOJESKI, MARK A. LYNCH, ...

.....

all of the city of RADNOR, state of PENNSYLVANIA 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 26th day of March, 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, Assistant Secretary

STATE OF WASHINGTON ss
COUNTY OF KING

On this 26th day of March, 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, 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 biding 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 above and foregoing is a true and correct copy of the Power of Attorney executed by said Companies, which is in full force and effect and has not been revoked.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed the seals of said Companies this 15th day of November, 20 12.

By: _____
David M. Carey, Assistant Secretary

POA - AFCC, LMIC, OCIC, PIC & WAIC
LMS_12873_012012

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

By: _____
Assistant Secretary
Eric D. Barnes

_____
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, deposeth 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, Notary Public
My Commission Expires: July 14, 2015

POA-F 156-3255

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 of 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 15th day of November, 20 12.

James M. Carroll, Vice President

APPENDIX F

ATTACHMENT 3.2.10

State Project No. 0064-964-110, P101, C501, RW201

SCC and DPOR Information

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

SCC & DPOR INFORMATION FOR BUSINESSES (RFQ Sections 3.2.10.1 and 3.2.10.2)							
Business Name	SCC Information (3.2.10.1)			DPOR Information (3.2.10.2)			
	SCC Number	SCC Type of Corporation	SCC Status	DPOR Registered Address	DPOR Registration Type	DPOR Registration Number	DPOR Expiration Date
Branscome, Inc.	0550613-4	S	Active	4551 John Tyler Highway, Williamsburg, VA 23185	Contractor	2705061347	02/28/2013
Timmons Group, Inc.	0264043-1	C	Active	1001 Boulders Parkway, Ste. 300 Richmond, VA 23225	Professional Corporation	0405000456	12/31/2013
NXL Construction Services, Inc.	0349742-7	S	Active	114 E Cary Street, Ste. 200, Richmond, VA 23219	Business Entity	0407003031	12/31/2013
Schnabel Engineering Consultants, Inc.	0712674-1	S	Active	One Cary Street, Richmond, VA 23220	Engineering	0411000700	02/28/2014
Moffatt & Nichol, Inc.	F058239-7	S	Active	1100 Boulders Parkway, Ste. 350, Richmond, VA 23225	Engineering	0407002877	12/23/2013
Moffatt & Nichol, Inc.	F058239-7	S	Active	800 World Trade Ctr., Norfolk, VA 23510	Engineering	0411000532	02/28/2014
Froehling & Robertson, Inc.	0027211-2	S	Active	3015 Dumbarton Rd., Richmond, VA 23228	Business Entity	0407000098	12/31/2013
Pulsar	F160855-5	S	Active	707 E. Main Street, Ste. 1315, Richmond, VA 23219	NA	NA	NA

NA = Expertise is not regulated by the DPOR.

ATTACHMENT 3.2.10

State Project No. 0064-964-110, P101, C501, RW201

SCC and DPOR Information

SCC & DPOR INFORMATION FOR BUSINESSES (RFQ Sections 3.2.10.1 and 3.2.10.2)							
Business Name	SCC Information (3.2.10.1)			DPOR Information (3.2.10.2)			
	SCC Number	SCC Type of Corporation	SCC Status	DPOR Registered Address	DPOR Registration Type	DPOR Registration Number	DPOR Expiration Date
Atkins	F048839-7	S	Active	5200 77 Center Dr., Ste. 500, Charlotte, NC 28217	Business Entity	0411000782	02/28/2014
Atkins	F048839-7	S	Active	1616 E. Millbrook Rd., Ste. 310, Raleigh, NC 27609	Business Entity	0411000687	02/28/2014
Atkins	F048839-7	S	Active	4825 Keller Rd., Orlando, FL 32810	Business Entity	0411000601	02/28/2014

DPOR INFORMATION FOR INDIVIDUALS (RFQ Sections 3.2.10.3 and 3.2.10.4)						
Business Name	Individual's Name	Office Location Where Professional Services will be Provided (City/State)	Individual's DPOR Address	DPOR Type	DPOR Registration Number	DPOR Expiration Date
Branscome, Inc.	J. Brent Moore	Richmond, VA	NA	NA	NA	NA
Branscome, Inc.	Leith Hartman	Richmond, VA	NA	NA	NA	NA
Timmons Group, Inc.	Christopher Kiefer, PE	Richmond, VA	1001 Boulders Parkway, Ste. 300 Richmond, VA 23225	Professional Engineer	0402023346	06/30/2014
Timmons Group, Inc.	Brian Copeland, PE	Richmond, VA	1001 Boulders Parkway, Ste. 300 Richmond, VA 23225	Professional Engineer	0402042458	01/31/2013
Timmons Group, Inc.	Jennifer DeVaughn, PE	Richmond, VA	1001 Boulders Parkway, Ste. 300 Richmond, VA 23225	Professional Engineer	0402045856	07/31/2013

NA = Expertise is not regulated by the DPOR.

ATTACHMENT 3.2.10

State Project No. 0064-964-110, P101, C501, RW201

SCC and DPOR Information

DPOR INFORMATION FOR INDIVIDUALS (RFQ Sections 3.2.10.3 and 3.2.10.4)						
Business Name	Individual's Name	Office Location Where Professional Services will be Provided (City/State)	Individual's DPOR Address	DPOR Type	DPOR Registration Number	DPOR Expiration Date
Timmons Group, Inc.	Kevin O'Meara, PE	Richmond, VA	1001 Boulders Pkwy., Ste. 300 Richmond, VA 23225	Professional Engineer	0402049232	12/31/2013
Timmons Group, Inc.	Dwayne Dunevant, LS	Richmond, VA	1001 Boulders Pkwy., Ste. 300 Richmond, VA 23225	Professional Surveyor	0403002287	01/31/2013
NXL Construction Services Inc.	Michael W. Saunders, PE, CCM	Richmond, VA	114 E Cary Street, Ste. 200, Richmond, VA 23219	Professional Engineer	0402041295	12/31/2013
Schnabel Engineering Consultants, Inc.	Edward Drahos, PE	Richmond, VA	14410 Galloway Ct. Midlothian, VA 23113	Professional Engineer	0402015605	07/31/2013
Schnabel Engineering Consultants, Inc.	Evan Morris, PE	Richmond, VA	One West Cary St. Richmond, VA 23220	Professional Engineer	0402037983	06/30/2013
Moffatt & Nichol, Inc.	Eric P. Vugteveen, PE	Richmond, VA	11220 Abingdon Circle, Richmond, VA 23236	Professional Engineer	0402033711	04/30/2013
Moffatt & Nichol, Inc.	Thomas Michael Harris, PE	Richmond, VA	13146 Waltons Tavern Rd., Montpelier, VA 23192	Professional Engineer	0402023868	01/31/2013
Froehling & Robertson, Inc.	Paul Burch, PE	Richmond, VA	3015 Dumbarton Rd., Richmond, VA 23228	Professional Engineer	0402021273	04/30/2013
Pulsar	James Wright	Richmond, VA	707 E. Main St., Ste. 1315, Richmond, VA 23219	NA	NA	NA
Atkins	Henry Alfred Badgett, PE	Charlotte, NC	5200 77 Ctr. Drive, Ste. 500, Charlotte, NC 28217	Professional Engineer	0402014501	06/30/2013

NA = Expertise is not regulated by the DPOR.

ATTACHMENT 3.2.10

State Project No. 0064-964-110, P101, C501, RW201

SCC and DPOR Information

DPOR INFORMATION FOR INDIVIDUALS (RFQ Sections 3.2.10.3 and 3.2.10.4)						
Business Name	Individual's Name	Office Location Where Professional Services will be Provided (City/State)	Individual's DPOR Address	DPOR Type	DPOR Registration Number	DPOR Expiration Date
Atkins	Steven G. Haynie, PE	Raleigh, NC	301 Evans Estates Dr., Cary, NC 27513	Professional Engineer	0402033594	01/31/2014
Atkins	Kenneth T. Zagers, PE	Orlando, FL	208 Brooklands Way, Deland, FL 32724	Professional Engineer	0402046445	06/30/2013

NA = Expertise is not regulated by the DPOR.

BRANSCOME'S CONTRACTOR PREQUALIFICATION

VDOT Virginia Department of Transportation

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

Suzanne FR Lucas Prequalification Officer

Don E. Silies, State Contract Officer

VIRGINIA STATE CORPORATION COMMISSION CERTIFICATION EVIDENCE

Branscome

Commonwealth of Virginia

State Corporation Commission

I Certify the Following from the Records of the Commission:

BRANSCOME INC. is a corporation existing under and by virtue of the laws of Virginia, and is in good standing.

The date of incorporation is December 14, 2000.

Nothing more is hereby certified.

STATE CORPORATION COMMISSION VIRGINIA SIC SEMPER TYRANNIS 1903

Signed and Sealed at Richmond on this Date:
May 7, 2010

Joel H. Peck

Joel H. Peck, Clerk of the Commission

CIS0502

Timmons Group

Commonwealth of Virginia

State Corporation Commission

CERTIFICATE OF GOOD STANDING

I Certify the Following from the Records of the Commission:

That Timmons Group, Inc. is duly incorporated under the law of the Commonwealth of Virginia;

That the date of its incorporation is November 30, 1984;

That the period of its duration is perpetual; and

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

Nothing more is hereby certified.

Signed and Sealed at Richmond on this Date:
December 23, 2011

Joel H. Peck

Joel H. Peck, Clerk of the Commission

CISECOM
Document Control Number: 1112238703

NXL

Commonwealth of Virginia

State Corporation Commission

I Certify the Following from the Records of the Commission:

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

Nothing more is hereby certified.

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

Joel H. Peck

Joel H. Peck, Clerk of the Commission

CIS0357

Schnabel Engineering

Commonwealth of Virginia

State Corporation Commission

I Certify the Following from the Records of the Commission:

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

The date of incorporation is August 12, 2009.

Nothing more is hereby certified.

STATE CORPORATION COMMISSION VIRGINIA SIC SEMPER TYRANNIS 1903

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

Joel H. Peck

Joel H. Peck, Clerk of the Commission

CIS0502

Moffatt & Nichol

Commonwealth of Virginia
State Corporation Commission

10/30/12

CISM0180 CORPORATE DATA INQUIRY 15:59:47

CORP ID: F058239 - 7 STATUS: 00 ACTIVE STATUS DATE: 05/29/01
CORP NAME: MOFFATT & NICHOL, Inc. (USED IN VA BY: MOFFATT & NICHOL)
DATE OF CERTIFICATE: 03/06/2000 PERIOD OF DURATION: INDUSTRY CODE: 70
STATE OF INCORPORATION: CA CALIFORNIA STOCK INDICATOR: S STOCK
MERGER IND: 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 05 2861 DATE: 03/06/12 HENRICO COUNTY
CURRENT AR#: 212 05 2861 DATE: 03/06/12 STATUS: A ASSESSMENT INDICATOR: 0

YEAR	FEES	PENALTY	INTEREST	TAXES	BALANCE	TOTAL SHARES
12	550.00					77,000

Froehling & Robertson

Commonwealth of Virginia

State Corporation Commission

I Certify the Following from the Records of the Commission:

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

The date of incorporation is October 11, 1924.

Nothing more is hereby certified.

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

Joel H. Peck

Joel H. Peck, Clerk of the Commission

STATE CORPORATION COMMISSION VIRGINIA SIC SEMPER TYRANNIS 1903

CIS0357

Pulsar

Commonwealth of Virginia
State Corporation Commission

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                                                        10/26/12
        CISM0180          CORPORATE DATA INQUIRY        14:48:24

    CORP ID:  F160855 - 5   STATUS: 00  ACTIVE          STATUS DATE: 11/22/04
  CORP NAME:  PULSAR ADVERTISING, INC.

DATE OF CERTIFICATE:   11/22/2004 PERIOD OF DURATION:          INDUSTRY CODE: 00
STATE OF INCORPORATION:   NY NEW YORK        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:   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:   11/22/04   LOC : 143
ACCEPTED AR#:  211 19 6959   DATE: 11/29/11                    HENRICO COUNTY
 CURRENT AR#:  211 19 6959   DATE: 11/29/11   STATUS: A   ASSESSMENT INDICATOR:   0
YEAR     FEES      PENALTY     INTEREST     TAXES       BALANCE         TOTAL SHARES
 12      100.00                                          100.00                 200
```

Atkins

Commonwealth of Virginia

State Corporation Commission

I Certify the Following from the Records of the Commission:

The records of this office show on February 04, 2011, POST, BUCKLEY, SCHUH & JERNIGAN, INC., a FLORIDA corporation, filed in the Office of the Secretary of State of FLORIDA, articles of amendment changing its name to Atkins North America, Inc., filed in this office on April 29, 2011.

Atkins North America, Inc., a corporation incorporated under the laws of FLORIDA is authorized to transact business in Virginia and is in good standing. It obtained a certificate of authority from the Commission on August 13, 1985.

Nothing more is hereby certified.

Signed and Sealed at Richmond on this Date:
May 25, 2011

Joel H. Peck

Joel H. Peck, Clerk of the Commission

CIS0505

VIRGINIA DPOR REGISTRATION EVIDENCE (Offices)

Branscome

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, 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.

Timmons Group

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
0405000456

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

PROFESSIONS: ENG, LS

TIMMONS GROUP INC
1001 BOULDERS PKWY STE 300
RICHMOND, VA 23225

Gordon N. Dixon, Director

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NXL

DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION
COMMONWEALTH OF VIRGINIA

EXPIRES ON
12-31-2013

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

NUMBER
0407003031

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

PROFESSIONS: ENG, LS

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

Gordon N. Dixon, Director

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Schnabel Engineering

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

EXPIRES ON
02-28-2014

NUMBER
0411000700

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

PROFESSIONS: ENG

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

Gordon N. Dixon, Director

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Moffatt & Nichol

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
0407002877

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

PROFESSIONS: ENG

MOFFATT & NICHOL INC
1100 BOULDERS PARKWAY
SUITE 350
RICHMOND, VA 23225

Gordon N. Dixon, Director

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Froehling & Robertson

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

EXPIRES ON
12-31-2013

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

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Gordon N. Dixon, Director

Atkins

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

EXPIRES ON 02-28-2014

NUMBER 0411000782

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

PROFESSIONS: ENG

ATKINS NORTH AMERICA, INC.
5200 77 CENTER DR
STE 500
CHARLOTTE, NC 28217

Gordon N. Dixon, Director

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

EXPIRES ON 02-28-2014

NUMBER 0411000687

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

PROFESSIONS: ENG

ATKINS NORTH AMERICA, INC.
1616 EAST MILLBROOK RD
STE 310
RALEIGH, NC 27609-4968

Gordon N. Dixon, Director

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Atkins – continued

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

EXPIRES ON
02-28-2014

NUMBER
0411000601

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

PROFESSIONS: ENG

ATKINS NORTH AMERICA, INC.
482 S KELLER RD
ORLANDO, FL 32810

Gordon N. Dixon, Director

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VIRGINIA DPOR REGISTRATION EVIDENCE (Key Personnel)

Timmons Group

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

EXPIRES ON 06-30-2014

NUMBER 0402023346

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

CHRISTOPHER MACK KIEFER
1001 BOULDERS PARKWAY
SUITE 300
RICHMOND, VA 23225

Gordon N. Dixon, Director

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

EXPIRES ON 01-31-2013

NUMBER 0402042458

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

BRIAN THOMAS COPELAND
14809 COLONY FOREST COURT
MIDLOTHIAN, VA 23114

Gordon N. Dixon, Director

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Timmons Group – continued

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 0402045856

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

JENNIFER DIANE DE VAUGHN
1001 BOULDERS PKWY SUITE 300
RICHMOND, VA 23225

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Gordon N. Dixon, Director

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

EXPIRES ON 12-31-2013

NUMBER 0402049232

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

KEVIN PETER O'MEARA
6432 SUGAR RIDGE DR
ROANOKE, VA 24018

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Gordon N. Dixon, Director

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

EXPIRES ON 01-31-2013

NUMBER 0403002287

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

MICHAEL DWAYNE DUNEVANT
1001 BOULDERS PKWY
SUITE 300
RICHMOND, VA 23225

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Gordon N. Dixon, Director

NXL

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

EXPIRES ON
12-31-2013

NUMBER
0402041295

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

MICHAEL WILLIAM SAUNDERS
4500 LITCHFIELD DRIVE
CHESTERFIELD, VA 23832

Gordon N. Dixon, Director

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.

Schnabel Engineering

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
0402015605

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

EDWARD GEORGE DRAHOS
14410 GALLOWAY CT
MIDLOTHIAN, VA 23113

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

Moffatt & Nichol

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

EXPIRES ON 04-30-2013

NUMBER 0402033711

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

ERIC P VUGTEVEEN
11220 ABINGDON CIRCLE
RICHMOND, VA 23236

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.

Gordon N. Dixon, Director

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

EXPIRES ON 01-31-2013

NUMBER 0402023868

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

THOMAS MICHAEL HARRIS
13146 WALTONS TAVERN ROAD
MONTPELIER, VA 23192

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.

Gordon N. Dixon, Director

Froehling & Robertson

DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION
COMMONWEALTH OF VIRGINIA

EXPIRES ON
04-30-2013

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

NUMBER
0402021273

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

PAUL WILLIAM BURCH
FROEHLING AND ROBERTSON
3015 DUMBARTON ROAD
RICHMOND, VA 23228

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.

Atkins

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

EXPIRES ON
06-30-2013

NUMBER
0402014501

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

HENRY ALFRED BADGETT
5200 SEVENTY-SEVEN CENTER DRIVE
SUITE 500
CHARLOTTE, NC 28217

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Gordon N. Dixon, Director

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DPOR Department of Professional and Occupational Regulation

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Fair Housing Office
Community Associations
Report a Licensee
Records & Documents
News & Information
About DPOR
Contact

Details of license number 0402033594

Name:	HAYNIE, STEVEN GLENN
License Number:	0402033594
License Description:	Professional Engineer License
Address:	CARY NC, 27513
Initial Certification Date:	January 31, 2000
Expiration Date:	January 31, 2014

print

Complaints

No Open Complaints

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

No Closed Complaints

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

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

Atkins - continued

DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION
COMMONWEALTH OF VIRGINIA

EXPIRES ON
06-30-2013

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

NUMBER
0402046445

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

KENNETH THOMAS ZAGERS
208 BROOKLANDS WAY
DELAND, FL 32724

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.

VIRGINIA DPOR REGISTRATION EVIDENCE (Non-APELSCIDLA)

There are no DPOR regulated, Non-APELSCIDLA team members proposed for this project at this time.

APPENDIX G

ATTACHMENT 3.3.1

KEY PERSONNEL RESUME FORM

Brief Resume of Key Personnel anticipated for the Project.

a. Name & Title: **J. Brent Moore, General Manager**

b. Project Assignment: **Design-Build Project Manager**

c. Name of Firm with which you are now associated: **Branscome, Inc.**

d. Years experience: With this Firm **6** Years With Other Firms **30** 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.):

General Manager/Branscome, Inc., Richmond, VA, 2006 to Present
As General Manager, Mr. Moore is 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.

Vice President/Mega Contractors, Inc., Richmond, VA, 1976 to 2006
As Vice President, Mr. Moore was 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:
University of Richmond/1972-1974/Business Administration

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

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.)

Project: I-64 Pavement Rehabilitation, Henrico VA ***2009-2010***
Brent Moore was the Branscome Project Sponsor for this $35,000,000 interstate rehabilitation project. This project involved the removal and replacement of 60,000 square yards 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.

Project: Powhite Express Lanes (RMA), Richmond VA ***2006-2008***
Brent Moore was the Branscome Project Executive responsible for providing executive 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 cubic yards of excavation, installation of 10,000 linear feet 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.

ATTACHMENT 3.3.1

KEY PERSONNEL RESUME FORM

J. Brent Moore, General Manager, Branscome, Inc., Design Build Project Manager – *continued*

Project: Route 150 Chippenham Parkway, Chesterfield VA ***1999-2001***
Mr. Moore was the Mega Contractors, Inc. 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 linear feet of median barrier, construction of 235,000 square feet 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.

Project: Route 360 (Hull Street Widening), Chesterfield VA ***2006-2007***
Mr. Moore was the Branscome 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 cubic yards of excavation, installing over 10,000 linear feet 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.

Project: I-64 Concrete Pavement Repairs and Overlay, Henrico and New Kent VA ***2005-2007***
Mr. Moore was the Branscome Project Sponsor for this $19,000,000 pavement rehabilitation project. This 9 mile long project included the removal and replacement of 17,000 square yards of concrete pavement, placement of over 20,000 tons of shoulder stone, installation of 45,000 linear feet 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.

ATTACHMENT 3.3.1

KEY PERSONNEL RESUME FORM

Brief Resume of Key Personnel anticipated for the Project.

a. Name & Title: **Michael W. Saunders, PE, CCM, Project Manager/Quality Assurance Manager**

b. Project Assignment: **Quality Assurance/Quality Control Manager**

c. Name of Firm with which you are now associated:
NXL Construction Services, Inc.

d. Years experience: With this Firm **<1** Year With Other Firms **10** Years

Please list chronologically your employment history, position and general experience or fields of practice for the last fifteen(15) years:

NXL Construction Services, Inc., Richmond, VA, Project Manager/QAM ***11/2011- Present***
Mr. Saunders serves as Independent Quality Assurance Manager and Quality Control Manager for joint Design-Build projects ensuring all contract requirements and specifications are appropriately administered and applied, all required quality control testing and independent quality assurance is carried out in accordance with applicable requirements ensuring construction quality standards are met and payments appropriately processed.

Virginia Department of Transportation, Richmond District, Project Control Engineer/Area Construction Engineer for Design-Build & Locally Administered Projects ***5/2011-11/2011***
Mr. Saunders was responsible for quality assurance and for coordinating constructability reviews to include developing pre-advertisement schedules and sequence of construction as well as for coordination of post-award schedule reviews and District Wide NOI and claims analysis.

Virginia Department of Transportation, Area Construction Engineer, Richmond District, Southern Area Construction 1**/2007-5/2011**
Mr. Saunders was responsible for executing a 6-year program to include managing all aspects of construction/ maintenance contracts safely, with quality, on time and within budget. He provided Responsible Charge supervision and technical guidance to Construction Managers and Inspectors during project delivery for design-build and design-bid-build projects.

Virginia Department of Transportation, Construction Project Manager, Salem District, Southern Area Construction ***11/2005- 1/2007***
Mr. Saunders supervised all phases of multi-operational roadway and structural construction projects to ensure all work was performed in accordance with project plans, specifications and special provisions. He supervised the work and career development of several construction inspectors and he resolved contractual disputes with contractors. He mitigated Notices of Intent with use of time impact and cost analysis, and prepared reports, correspondence and documents clearly and on time.

Virginia Department of Transportation, Christiansburg Residency, Permits/Subdivision Supervisor ***4/2005-10/2005***
Mr. Saunders was responsible for the supervision and administration of the subdivision, rural streets and land use permits programs. Duties included networking with government officials and staff, developers, engineers and VDOT staff to discuss the engineering impacts of land development projects; responsibility for land development within the Residency to include utilities, commercial and subdivision streets, private entrances, land use permits, commercial development projects, etc. impacting transportation networks maintained by the State; participation in the development, plan review, inspection and acceptance of addition to the secondary system and ensuring compliance with rules and regulations.

Virginia Department of Transportation, Salem, VA, Architect/Engineer I ***3/2004-4/2005***
Mr. Saunders assisted in the Land Development and Maintenance Program Operations for the Salem Residency. Duties included performing site plan reviews and providing comments to designers; involvement in the inspection and acceptance of additions to the secondary street system, and worked with the Maintenance Manager to set a budget for the Area Headquarters' upcoming fiscal year. Mr. Saunders also performed Construction Project Manager duties to include both bridge and grading projects of varying complexity.

Virginia Department of Transportation, Salem District, Transportation Engineer Associate ***6/2001-2/2004***
Mr. Saunders completed the Associate Engineers Program at the Christiansburg Residency in the Salem District. While in this position, Mr. Saunders rotated through various sections within the Department to include Construction Management, Maintenance Operations, District Divisions, Contract Administration, and Residency Operations

e. Education:
Degree(s)/Year/Specialization:
Bachelor of Science/2001/Civil Engineering, Virginia Tech

f. Active Registration: Year First Registered/ Discipline/VA Registration #:
2005/Professional Engineer/0402 041295

ATTACHMENT 3.3.1

KEY PERSONNEL RESUME FORM

Michael Saunders, PE, CCM, Project Manager/QAM, NXL Construction Services, QAM – *continued*

g. Document the extent and depth of 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 Rt. 36 Improvements Design-Build, Richmond District, VA ***11/2011-11/2012 (est.)***
VDOT/ARRA Design-Build – Construction of improvements to Route 36 and Route 144 near Fort Lee's Sisisky Gate located in Prince George County, Virginia. The project includes improvement to approximately 0.9 mile of Route 36 and approximately 0.5 miles of Route 144. There will be approximately 20 calendar months of construction-related activities requiring QA inspection and testing for the Abernathy team. Mr. Saunders serves as the NXL quality assurance manager where he is responsible for:

- ✓ Preparation of project's quality assurance and quality control plan and oversight of project QA procedures and plan and performance and coordination of QA testing and inspection in accordance with VDOT's August 2008 design-build guidelines throughout the project and monitoring of contractor's QC program and serving as the liaison with the Department with respect to project compliance and to ensure that IA/IV testing is being performed
- ✓ Approving QC inspection staff assignment to project and the QC frequency testing plan before submission to VDOT and preparation, maintenance, and submission of associated project documentation including but not limited to diaries, EEO, ARRA, materials notebook/documentation, as-built sketches, and monthly pay documents including verifying and approving monthly pay packages, and preparation and submission of final records and managing project QA staff and ensure that there is sufficient staffing to ensure compliance with contract, plans, and specifications

VDOT I-295/Meadowville Interchange, Richmond, VA ***11/2011-12/2011***
Mr. Saunders served as the NXL Quality Control Manager (QCM) where he represented the contractor on the project site as a function of the construction manager, while parallel reporting all sampling, testing, visual inspections, certifications, and daily diaries directly to the QAM. He also led the team's QC function and directed the activities of the project level QC inspection staff. Other duties included the following:

- ✓ Leading all preparatory inspection meetings and reporting any quality deficiencies to the CM, the QAM, and the PM and coordinating with the CM and QAM to monitor the installation and maintenance of erosion and sediment controls and other permit requirements with daily inspections and after each storm event and coordinating with the CM to monitor work zone safety and traffic management plans, as well as other project requirements and coordinating with the QC testing firm, as needed, to ensure conformance with VDOT's August 2008 design-build guidelines and disseminating information to the QC Team
- ✓ Manage the project QC staff and ensure that there is sufficient staffing, to ensure compliance with contract, plans, and specifications

Route 10 Widening & Bridge Replacement, Chesterfield County, VA ***4/2011-6/2013 (est.)***
Responsible VDOT/NXL Area Construction Engineer responsible for overseeing the construction of this project which includes coordination with Chesterfield County, the contractor, Dominion Virginia Power, CSX railroad and the FHWA. Duties include but are not limited to acting on behalf of the Department during negotiations and problem resolution meetings, reviewing and approving monthly payment applications and ensuring project testing and documentation is being kept in accordance with contract and VDOT requirements. **Mr. Saunders remained in the sale role on this project when he transitioned from VDOT to consultant firm.*

ATTACHMENT 3.3.1

KEY PERSONNEL RESUME FORM

Brief Resume of Key Personnel anticipated for the Project.

a. Name & Title: Christopher Kiefer, PE, Group Leader

b. Project Assignment: **Lead Designer**

c. Name of Firm with which you are now associated: Timmons Group, Inc.

d. Years of experience: With this Firm **24** Years With Other Firms **0** 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.):

Timmons Group, Inc., Group Leader for Transportation, April 2003-Present
Timmons Group, Inc., Assistant Department Manager for Transportation, September 1994-April 2003
Timmons Group, Inc., Project Manager, Transportation, September 1990-September 1994
Timmons Group, Inc., Project Engineer, Transportation, January 1988-September 1990

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

University of Notre Dame, South Bend, IN/BS/Civil Engineering

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

1991/Professional Engineer/VA/#023346

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

1. *Note your specific responsibilities and authorities for each assignment, not those of the firm.*
2. *Note whether experience is with current firm or with other firm.*
3. *Provide beginning and end dates for each assignment.*

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

I-95/Russell Road Interchange Improvements, Marine Corps Base, Quantico, VA ***2009-2011***

As part of the Hensel Phelps design-build team, Timmons Group provided civil engineering, environmental, landscape architecture and land surveying services for the $315 million MDIA Headquarters at Marine Corps Base Quantico. Chris was the Transportation Group Leader responsible for all transportation aspects of this project included the following:

- ✓ Widening over two (2) miles of Russell Road from a 2-lane rural to a 4-lane urban section;
- ✓ Designing nearly 1000' of new 4-lane roadway and turn lane improvements;
- ✓ Upgrading an existing 2-lane bridge to a new 3-lane bridge founded on drilled shaft pilings with scour countermeasures and other safety features;
- ✓ Increasing the capacity of the I-95 interchange (Exit 148) by widening and reconfiguring the existing ramps to accommodate the increased traffic demands associated with the new facility;
- ✓ Designing five (5) new signalized intersections, three (3) associated with the interchange and two (2) adjacent to Quantico's main entrance;
- ✓ Incorporating 600' of roadside retaining walls due to limited right-of-way availability;
- ✓ Resurfacing and rehabilitating bituminous roadways to comply with applicable VDOT and UFC standards;
- ✓ Developing extensive drainage improvements and stormwater management facilities to satisfy Virginia stormwater regulations;
- ✓ Protecting and relocating MCBQ fiber optic lines and private utilities to accommodate roadway improvements;
- ✓ Preparing a "Type C" (most stringent VDOT requirement) Transportation Management Plan (TMP) that includes detailed traffic operations modeling and maintenance of traffic plans illustrating how lane closures will impact traffic operations;
- ✓ Developing traffic signal timing plans for three (3) temporary signals necessitated by lane closures and limited ramp capacity during key stages of construction; and
- ✓ Mitigating poor subsurface conditions, including high groundwater, corrosive Quantico slate and unforeseen buried debris

ATTACHMENT 3.3.1

KEY PERSONNEL RESUME FORM

Christopher Kiefer, PE, Group Leader, Timmons Group, Lead Designer – *continued*

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.)

Routes 288 and 60 Roadway Improvements, Chesterfield County, VA *2009-2009*
Timmons Group, Richmond office staff, provided surveying and engineering design services for over $20 million worth of roadway improvements associated with 4 million square feet of office/retail development at the interchange of Route 60 and Route 288. Chris was the Transportation Group Leader responsible for the roadway work that included:

- ✓ US Route 60: The transformation of an existing four-lane divided rural principal arterial roadway into an eight-lane urban corridor
- ✓ Watkins Centre Parkway/Otterdale Road: 3,000 feet of new four-lane divided urban collector as well as the widening of over 2,500 feet of existing roadway and four roundabouts
- ✓ VA Route 288 – Approximately 10,000 feet of widening along this limited access highway including collector-distributor roadways, four new ramps and ramp connections

US Route 17 Improvements, Chesapeake, VA *2006-2006*
Timmons Group, Richmond staff, developed plans for improvements to 18.7 km (11.6 miles) of U.S. Route 17 resulting in a 4-lane divided highway on a new alignment from the North Carolina State Line to Route 104 (Dominion Boulevard). Chris was the Transportation Group Leader responsible for plan development.

VDOT Traffic Engineering and Transportation Planning Term Contract, Central Region (Richmond and Fredericksburg Districts), VA *2011-2014*
Chris is the Contract Manager for this term contract with VDOT's Central Region. He leads Timmons Group's traffic and transportation staff in Richmond that are providing: design and review of traffic signals, signs, Intelligent Transportation Systems (ITS) devices, pavement markers/markings, guardrail, lighting, other roadway safety improvements, review of catalog cuts/shop drawings and for traffic engineering related studies and/or analyses. As of October 22, 2012, more than 60 task orders have been issued and the second contract year has just begun. Projects are being performed in numerous counties in the region simultaneously.

Route 360 (Hull Street) Widening and Reconstruction, Chesterfield County, VA *1994-1995*
Chris was one of the civil engineering project managers in the Richmond office to work on this project that involved widening and reconstruction of 2.2 miles of Route 360 (Hull Street Road) from just east of the interchange with Route 288 to Harbour Pointe Parkway. This major urban arterial was widened from four to six lanes to help alleviate severe traffic congestion problems during the a.m. and p.m. peak hours. Chesterfield County administered the project design. Right-of-way acquisition and construction were administered by VDOT.

Because of significant development in the project area, the design was carefully coordinated with adjacent property owners and businesses to minimize right-of-way requirements, utility impacts and traffic problems during construction.

In addition to the roadway widening, the existing westbound lanes were reconstructed to eliminate a substandard vertical curve that contributed to poor sight distance problems. At the same time, traffic access to adjacent businesses, including a bank, had to be maintained.

ATTACHMENT 3.3.1

KEY PERSONNEL RESUME FORM

Brief Resume of Key Personnel anticipated for the Project.

a. Name & Title: **Leith Hartman, Project Manager**

b. Project Assignment: **Construction Manager**

c. Name of Firm with which you are now associated: **Branscome, Inc.**

d. Years experience: With this Firm **2** Years With Other Firms **27** 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.):

Project Manager/Branscome, Inc., Williamsburg, VA ***2011-Present***
As Project Manager, Mr. Hartman is 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.

Project Manager/Jack L Massie Contractor, Inc., Williamsburg, VA ***2007-2011***
As Project Manager, Mr. Hartman was 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.

Earthwork Division Manager/John Carlo, Inc., Clinton Township, MI ***2003-2007***
Mr. Hartman's 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.

Project Manager/Angelo Iafrate Construction Company, Warren, MI ***2002-Spring of 2003***
Mr. Hartman's duties as Project Manager 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.

Earthwork Division Manager/John Carlo, Inc., Clinton Township, MI ***2001-2002***
Mr. Hartman's 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.

Senior Vice President/Battle Ridge Companies, Inc. , Charleston, WV ***1983-2001***
As Senior Vice President, Mr. Hartman 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:
Hampden-Sydney College, Hampden-Sydney, VA/BS in Biology and Environmental Science/1974
Association of General Contractors/Senior Leadership Program/2010

f. Active Registration: Year First Registered/ Discipline/VA Registration #:
VDOT Erosion & Sediment Control Contractor Certification Program: 2011/#5799C
Occupational Safety and Health Association 30-Hour Construction Safety & Health: 2006/#600112195
National Ready Mixed Concrete Association Pervious Concrete Technician: 2008/#PCC991219

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.*

ATTACHMENT 3.3.1

KEY PERSONNEL RESUME FORM

Leith Hartman, Project Manager, Branscome, Inc. Construction Manager – *continued*

(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 ***2011-2012***
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.

VDOT Order F53, Ironbound Road, Williamsburg, VA ***2011-2012***
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.

Interstate 75 Improvements, Greater Detroit, MI ***2000-2003***
Mr. Hartman served as the John Carlo, Inc. 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.

High Street Development, Williamsburg, VA ***2007-2009***
Mr. Hartman was the Jack Massie, Inc. 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 changed had minimal effect on the project duration and budget.

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: I-64 Pavement Rehabilitation Location: Henrico County, VA	Name: VDOT	Name of Client/Owner: VDOT Phone: 804.752.5538 Project Manager: Keith Rider, PE Phone: 804.752.5538 Email: keith.rider@vdot.virginia.gov	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 I-64/Rte. 623 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)

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: Commonwealth Railway Mainline Safety Relocation Project Location: Portsmouth/ Suffolk, VA	Name: Moffat & Nichol	Name of Client/Owner: Virginia Port Authority Phone: 757.342.7088 Project Manager: Anthony Konduysar, PE Phone: 757.342.7088 Email: akondysar@portofvirginia.com	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 I-64/Route 623 Interchange Improvement Project, the Median Rail Relocation Project required interstate median widening and interchange reconstruction which included the demolition of existing pavements, asphalt paving, bridge construction, utility and electrical work, grading, and material import. The majority of the work was performed in the median of active interstates and directly adjacent to live traffic. As will be required for the I-64 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.

The project also included the construction of a highway overpass bridge crossing the railroad, to again avoid an at-grade crossing. Lead Designer Moffatt & Nichol's bridge design employed prestressed bulb-T girders and jointless bridge construction methods. Similar to the proposed bridge widenings on the I-64/Route 623 Interchange Improvement Project, the bridge had a high degree of skew (40 degrees) and was one of the first in Virginia to use deck slab extensions with buried approach slabs to provide jointless design. During construction of the bridge structure, the roadway was temporarily relocated and significant measures and monitoring of the stormwater management plan in the area to minimize impacts on the adjacent wetlands were required.

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: Powhite Express Lanes Location: Richmond, VA	Name: HNTB	Name of Client/Owner: Richmond Metropolitan Authority Phone: 804.523.3306 Project Manager: David Caudill Phone: 804.523.3306 Email: David@the-rma.org	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 I-64/Route 623 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: I-95/Russell Road Interchange Improvements Location: Quantico, VA	Name: Hensel Phelps Construction Company	Name of Client.: Hensel Phelps Construction Co. Phone: 703.828.3200 Project Manager: Andrew George Phone: 702.828.3200 Email: ageorge@henselphelps.com	2011	2011	$315,000 (total facility; $10,000 roadway improvements)	$315,000 (total facility; $10,000 roadway improvements)	$800

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.

Timmons Group's Richmond office staff, as part of the Hensel Phelps design-build team, provided civil engineering, environmental, landscape architecture and land surveying services for the $315 million MDIA Headquarters at Marine Corps Base Quantico.

Transportation aspects of this project included the following:

- ✓ Widening over two (2) miles of Russell Road from a 2-lane rural to a 4-lane urban section;
- ✓ Increasing the capacity of the I-95 interchange (Exit 148) by widening and reconfiguring the existing ramps to accommodate the increased traffic demands associated with the new facility;
- ✓ Designing nearly 1000' of new 4-lane roadway and turn lane improvements;
- ✓ Upgrading an existing 2-lane bridge to a new 3-lane bridge founded on drilled shaft pilings with scour countermeasures;
- ✓ Designing five (5) new signalized intersections, three (3) at the interchange and two (2) adjacent to Quantico's entrance;
- ✓ Incorporating 600' of roadside retaining walls due to limited right-of-way availability;
- ✓ Resurfacing and rehabilitating bituminous roadways to comply with applicable VDOT and UFC standards;
- ✓ Developing extensive drainage improvements and stormwater management facilities to satisfy Virginia SWM regulations;
- ✓ Mitigating poor subsurface conditions, including high groundwater, corrosive Quantico slate and unforeseen buried debris;
- ✓ Developing and presenting multiple geometric design options to protect stakeholder interests;
- ✓ Identifying environmental constraints, including the endangered small whorled pogonia and extensive waters of the U.S. located within the project footprint and utilizing the appropriate avoidance and minimization techniques to obtain the necessary environmental permits;
- ✓ Protecting and relocating MCBQ fiber optic lines and private utilities to accommodate roadway improvements;
- ✓ Preparing a "Type C" (most stringent VDOT requirement) Transportation Management Plan (TMP) that includes detailed traffic operations modeling and maintenance of traffic plans illustrating how lane closures will impact traffic operations;
- ✓ Developing traffic signal timing plans for three (3) temporary signals necessitated by lane closures and limited ramp capacity during key stages of construction; and
- ✓ Meeting the needs and expectations of numerous stakeholders including NAVFAC Washington, A/E#1 (NAVFAC's consultant), MCBQ (users and security personnel), ROICC office, VDOT, GEC (VDOT's "general engineering consultant"), Hensel Phelps, multiple architects and other subcontractors.

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: Routes 288 and 60 Roadway Improvements Location: Chesterfield County, VA	Name: American Infrastructure	Name of Client.: Zaremba Group Phone: 703.442.9500 Project Manager: Alan Bellis Phone: 703.442.9500 Email: abellis@zarembagroup.com	2009	2009	$20,000	$20,000	$275

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.

Timmons Group's Richmond office staff provided surveying and engineering design services for over $20 million worth of roadway improvements at the interchange of Route 60 and Route 288. The roadway work included:

- ✓ **VA Route 288 –** Approximately 10,000 feet of widening along this limited access highway including collector-distributor roadways, four new ramps and ramp connections
- ✓ **US Route 60 –**The transformation of an existing four-lane divided rural principal arterial roadway into an eight-lane urban corridor
- ✓ **Watkins Centre Parkway/Otterdale Road –** 3,000 feet of new four-lane divided urban collector as well as the widening of over 2,500 feet of existing roadway and four (4) roundabouts

Project Highlights

- ✓ The project was financed through a Community Development Authority (CDA)
- ✓ Timmons Group worked with Chesterfield County, VDOT, four developers and their respective engineers to incorporate all interests into one comprehensive and coordinated project
- ✓ Timmons Group coordinated with multiple utility companies to establish what facilities were in the major roadway corridors and to design around their utilities so that the corridor could be developed on schedule
- ✓ The double-lane roundabouts were a first for Chesterfield County
- ✓ The maintenance of traffic plans fell under the requirements of the new VDOT TMP requirements

Services

- ✓ Survey and Base Mapping
- ✓ Coordination with VDOT and County staff
- ✓ Roadway Design
- ✓ Stormwater Management
- ✓ Roundabout Design
- ✓ Interchange Design
- ✓ Collector/Distributor Roadway Design
- ✓ Drainage Design
- ✓ Utility Coordination
- ✓ Traffic Signal Design
- ✓ Pavement Markings Design
- ✓ Maintenance of Traffic Design
- ✓ Landscaping Design
- ✓ Cost Estimating

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: Meadowville Technology Parkway Extension Location: Chesterfield County, VA	Name: Branscome, Inc. and George Nice & Sons	Name of Client.: Chesterfield County Economic Development Department Project Manager: Garrett Hart Phone: 804.318.8561 Email: HartGA@chesterfield.gov	November 2012	November 2012	$13,769	$12,055	$582

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.

In 1996, Timmons Group first began working with Chesterfield County to develop plans for an interchange on I-295 to support the 1,300-acre Meadowville Technology Park, one of Virginia's economic development mega-sites. Survey and preliminary plans were prepared and VDOT design approval was received within nine months of notice to proceed. All environmental documents and permits were completed, but the project was put on the shelf due to lack of funding.

In 2010, the project recommenced through a combination of federal, state and Chesterfield County resources, which included the County's commitment to dedicate incremental business, professional and occupational license (BPOL) taxes towards transportation projects. Timmons Group worked with VDOT and Chesterfield County to update the preliminary plans and develop bid documents. In July 2010 the project was advertised for design-build construction and just two months later, a contract was awarded to Curtis Contracting and their design partner Parsons Brinckerhoff. The project was completed on schedule in December 2011.

Just days later, Chesterfield County announced that Amazon would be building a new 1 million square foot distribution facility at Meadowville Technology Park. This facility required the construction of approximately 2 miles of 4-lane median divided roadway to serve the new facility. In order to meet the desired October 2012 opening, Timmons Group worked with the Chesterfield County Economic Development Authority to prepare 30% plans for four stages of construction. These plans were distributed to a group of pre-qualified contractors and bids were received on 12/16/11.

George Nice & Sons were awarded Stages 1 and 2. Branscome, Inc. was awarded Stages 3 and 4. Construction included new 4-lane divided roadway with sidewalk, curb and gutter, storm sewer and new 16" water main. The work also included clearing, grading, asphalt paving, drainage, guardrail, erosion & sediment control, signage, pavement markings and other items necessary for the completion of the work. Branscome's project also included the installation of a double 7' x 6' box culvert across Johnson's Creek.