

# I-64 Widening & Route 623 Interchange Improvements

## A Design-Build Project

Contract ID: C0070542DB55; Federal Project No.: NH-064-2(150)

State Project No.: 0064-964-110, P101, R201, C501, B-610-B614, B617, B616, D601-D606



### Statement of Qualifications



SUBMITTED TO  
**Virginia Department of Transportation (VDOT)**



SUBMITTED BY  
**VECELLIO & GROGAN, INC.**



IN ASSOCIATION WITH  
**Vanasse Hangen Brustlin, Inc.**

NOVEMBER 15, 2012

I-64 Widening and Route 623 Interchange Improvements  
Virginia Department of Transportation



Letter of Submittal



**VECELLIO & GROGAN, INC.**  
P.O. Box 2438  
Beckley, WV 25802-2438  
2251 Robert C. Byrd Drive  
Beckley, WV 25801  
(304) 252-6575 (phone)  
(304) 252-4131 (fax)

November 15, 2012

Ms. Brenda Williams  
Virginia Department of Transportation  
1401 E Broad Street  
Richmond, VA 23219

Re: **Statement of Qualifications: I-64 Widening and Route 623 Interchange Improvements Design-Build Project** Goochland and Henrico Counties, Virginia; State Project No.: 0064-964-110, P101, C-501, B-610-B614, B617, B616, D601-D606; Federal. Project No.: NH-064-2(150)  
RFQ No.: C0070542DB55

Dear Ms. Williams:

The Design-Build Team of **Vecellio & Grogan, Inc.** in association with **Vanasse Hangen Brustlin, Inc.** (“V&G Team”) have joined together to submit this Statement of Qualifications for the I-64 Widening and Route 623 Interchange Improvements Design-Build project in Goochland and Henrico Counties. It is with great pleasure that we present this Phase I qualification package for our team, and we look forward to the opportunity to submit a detailed technical and competitive price proposal during Phase II of this important project process.

**Vecellio & Grogan, Inc. (V&G)** is an ENR Top 200 Heavy Highway Contractor. Since its incorporation in 1938, the company has expanded and diversified its operation to include all areas of infrastructure construction. The company is best known for highway and bridge construction, particularly for its ability to accomplish complex projects safely while providing the best value, highest quality product to the owner. V&G has many years of experience on varied projects throughout Virginia and the southeastern United States. The company has the extensive capacity, personnel, relevant experience and a reputation for quality work completed safely and with integrity. All of which are needed to successfully complete this project.

**Vanasse Hangen Brustlin, Inc. (VHB)** provides integrated transportation, land development, and environmental services and has 900+ employees in 21 offices spanning the east coast. This project will be lead out of the VHB Virginia Beach office, with the support and resources of all four of VHB’s Virginia Offices. Since 1979, VHB has partnered with private-and public-sector clients to provide high-quality technical skills through a seamless, integrated team approach. To address clients’ dynamic needs, VHB has continued to grow and hone a diverse workforce that delivers personal service, value, responsiveness and excellence. VHB’s ability to help clients initiate and complete intricate, challenging and important projects has given rise to an impressive portfolio of success, demonstrated by a high percentage of VHB’s clients becoming repeat customers.

The V&G Team views this project as an opportunity to apply its expertise, innovative thinking, and commitment to exceed client expectations. Our experience will aid VDOT in developing the most effective ideas to maintain schedules, provide stringent QA/QC, control cost and minimize impacts to the public during construction. The V&G Team brings many attributes to this contract:

- Considerable experience with similar road and bridge design and construction projects
- Ample resources for design, construction, and quality assurance
- Creativity to solve design and construction challenges
- A team with a lengthy and positive VDOT work history
- Relevant design-build experience and expertise

V&G and VHB have diligently assisted VDOT in meeting transportation goals in the past and have focused on quality and cost control. The V&G Team believes this submittal underscores the firms' collective capabilities and continuing desire to serve VDOT.

### 3.2.1 Offeror: Full Legal Name and Address

Vecellio & Grogan, Inc.  
P.O. Box 2438  
Beckley, WV 25802

### 3.2.2 Offeror's Point of Contact

Joseph Mattlin will serve as the designated Design-Build Project Manager for V&G, and as such, will be the single point of contact for VDOT.

Offeror's Primary Contact: Joseph Mattlin, Vice President - Construction  
Address: 2251 Robert C. Byrd Drive, Beckley, WV 25801  
Phone and Fax: (304) 252-6575 (phone); (304) 252-4131 (fax)  
E-mail: joe.mattlin@vecelliogrogan.com

### 3.2.3 Offeror's Officer Information

L.L. Gwinn, is the principal officer of the legal entity (Vecellio & Grogan, Inc.) with whom the design-build contract with VDOT will be written for this project.

Offeror's Primary Contact: L.L. Gwinn, Secretary and Treasurer  
Address: 2251 Robert C. Byrd Drive, Beckley, WV 25801  
Phone and Fax: (304) 252-6575 (phone); (304) 252-4131 (fax)  
E-mail: l.gwinn@vecelliogrogan.com

### 3.2.4 Offeror's Corporate Structure

**Vecellio & Grogan, Inc. (V&G)** is a corporation licensed in 13 Mid-Atlantic States and formed in West Virginia in 1938. V&G will be the "Offeror" and as the contracting entity with VDOT, will undertake the financial responsibility, and holds no liability limitations for same. Our proposed design-build team will be structured to provide VDOT with a single point of responsibility for completion of the project and performance of the team. V&G will subcontract the design and construction quality control (QC) tasks to our lead designer, Vanasse Hangen Brustlin, Inc., and Triplett-King & Associates, Inc. (a Division of KCI), respectively. V&G will also subcontract the construction quality assurance (QA) to Alpha Corporation. Financial responsibility for completion of the project will rest solely with V&G.

### 3.2.5 Identity of Lead Contractor and Lead Designer

The full legal names of the Lead Contractor and Lead Designer are as follows:

Lead Contractor: Vecellio & Grogan, Inc.  
Lead Designer: Vanasse Hangen Brustlin, Inc.

### 3.2.6 Affiliated / Subsidiary Companies of the Offeror

The names and addresses of the affiliated and subsidiary companies of Vecellio & Grogan, Inc. are listed in *Affiliated and Subsidiary Companies of the Offeror* (Attachment 3.2.6) in the Appendix.

### 3.2.7 Certification Regarding Debarment

The *Certification Regarding Debarment Forms Primary Covered Transactions* (Attachment 3.2.7a) and *Certification Regarding Debarment Forms Lower Tier Covered Transactions* (Attachment 3.2.7b) for the Offeror and all subconsultants appear in the Appendix.

### **3.2.8 Offeror's VDOT Prequalification Evidence**

V&G (Vendor No. V004) is pre-qualified to do business with VDOT. Please refer to the firm's prequalification evidence provided in the Appendix.

### **3.2.9 Evidence of Obtaining Bonding / Letter of Surety**

Evidence of V&G's ability to provide the required performance and payment bonds is included via letter from our bonding agent in the Appendix.

### **3.2.10 Full-Size Copies of SCC and DPOR Registration Documentation**

Please refer to the Appendix for Full-size copies of the SCC and DPOR Registration Documents of all firms and Key Personnel, including Form 3.2.10 SCC and DPOR Information table.

### **3.2.11 Commitment to Required DBE Goal**

V&G has a long history of DBE utilization on our projects even when participation is not a requirement. We maintain relationships with reputable small and disadvantaged businesses across Virginia and we depend on their contributions for our success on all of our projects. We are committed to achieving a ten percent (10%) DBE participation goal for the entire value of the contract.

To facilitate the design and construction of this project, our team is committed to establishing an informal partnering program with VDOT. Partnering is about shared responsibility and, as defined in the VDOT Field Guide for Partnering, is "a process based on trust and an open, honest attitude in which all participants in a project recognize both common and individual objectives and work to achieve those objectives through improved communication and cooperation." We feel this is essential in a design-build project such as this one. Therefore, our partnering program will incorporate the values set forth in the manual referenced earlier: trust, teamwork, communication, motivation, empowerment, and issue resolution.

In cooperation with the Department, we will select an individual from our staff to lead us in accordance with the Field Guide for Partnering requirements, including regular or scheduled partnering meetings attended by key members of our team, VDOT representatives, subcontractors, suppliers, FHWA representatives; where appropriate, other federal agencies, local government officials, utilities representatives, law enforcement and public safety officials, consultants and other stakeholders.

We are excited about the opportunity to take part in this design-build selection process and we hope that VDOT will select our team to continue as a short-listed firm into Phase II. We are confident, that if chosen to design and build this project, our team will provide VDOT, Goochland and Henrico Counties, and the local communities, a project that will be designed to the highest standards, constructed safely and competitively, and built to serve the community for years to come. Additionally, our team understands the importance of maintaining traffic on I-64 with minimal disruption and is committed to exploring innovative methods to minimize construction impacts on the traveling public.

We look forward to serving you once again on this very important and significant project and appreciate your consideration of our team's qualification submittal. If you have questions or need further information, please contact me.

Respectfully submitted,

VECELLIO & GROGAN, INC.



L.L. Gwinn

Secretary and Treasurer



## Evaluation Criteria



### 3.3 Offeror’s Team Structure

*Vecellio & Grogan, Inc. (V&G) will lead the design-build team and ultimately be responsible to VDOT for the completion of the I-64 and Route 623 Interchange Improvements Design-Build Project. V&G’s role will include managing all aspects of the project and serving as the lead contractor. Vanasse Hangen Brustlin, Inc. (VHB) will be lead designer and will provide all engineering design services except for geotechnical design.*

*Together, V&G and VHB have assembled additional team members based on previous working relationships and the quality performance they have demonstrated on similar projects. These team members are dedicated to the quality of work and service to provide the best value to VDOT. Below are the firms that make up the V&G Team and their defined role on the project.*

#### The V&G Team



**V&G / Offeror**  
Lead Contractor  
Project Management  
Coordinating with  
VDOT, Construction  
Supervisor



**VHB / Lead Designer**  
Roadway, Traffic  
Engineering, ITS,  
Environmental, Survey,  
Utility Coordination,  
Hydraulics/Hydrology,  
Pavement Design



**Clark Nexsen**  
Roadway Design  
Structure/Bridge  
Design, MOT Design



**Alpha**  
Quality Assurance  
Manager



**Siddall**  
Public Relations



**Schnabel**  
Geotechnical /  
Quality Assurance  
Testing



**Tripplett-King  
(KCI)**  
Quality Control  
Manager



**Froehling &  
Robertson**  
Quality Control Testing



**Accumark**  
Subsurface Utility  
Engineering

Please note that VHB, Alpha Corporation, Tripplett-King and Associates, Inc. and Froehling & Robertson, Inc. will be subconsultants to V&G. The remaining firms will be subconsultants to VHB.

#### 3.3.1 Identity of and Qualifications of Key Personnel

The four individuals described below are the key personnel who have leadership roles in the successful delivery of this project. Each individual was handpicked for this project based on their past experience and having the necessary skills required by this project. More detailed information on each is provided on the required Key Personnel Resume Forms (Attachment 3.3.1) that appear in the Appendix.

##### 3.3.1.1 Design-Build Project Manager: Joe Mattlin (V&G)

Joe Mattlin will be responsible for administering the I-64 Widening and Route 623 Interchange Improvements Design-Build Project. Mr. Mattlin has 44 years of relevant construction experience at all levels of project management, contract administration, safety and quality control. His resume clearly shows he has considerable experience with construction adjacent to high traffic volumes, bridge construction, paving, and erosion control, all key elements of this project. In his role as VP of Construction for V&G, Mr. Mattlin has the direct authority to assign all of the required resources to ensure successful delivery of this project.



### **3.3.1.2 Quality Assurance Manager: Fred Crozier, P.E. (Alpha)**

Fred Crozier, P.E. will ensure the construction quality (quality assurance) of the project meets or exceeds VDOT requirements. Mr. Crozier has over 30 years of experience in the construction of major transportation projects including serving as QA Manager on PPTA and D-B projects for VDOT. Prior to this, he served as District Engineer for MDOT State Highway Administration in western Maryland, where he managed the completion of corridor improvements on I-81, I-70 and I-68, leading a team of CM/CI staff including State employees and consultant personnel. Duties have included development and implementation of QA/QC procedures for projects, change orders review and approval, claims review and settlement negotiations, constructability reviews, documentation review of construction inspection and materials control, leading or participating in meetings with project stakeholders, and corresponding with elected officials, news media and the public. Mr. Crozier is a registered, licensed, Professional Engineer in the Commonwealth of Virginia.

### **3.3.1.3 Design Manager: Tyson Rosser, P.E. (VHB)**

Tyson Rosser, P.E. will be responsible for coordinating the individual design disciplines and ensuring the overall project design conforms to all the project requirements. Mr. Rosser has more than 19 years of experience providing transportation design projects in the role of lead designer and project manager, including several design-build projects. He has significant experience on several important VDOT projects. For those projects, efficient design and management approaches were required to ensure the various design disciplines and teams met the common goals of the projects.

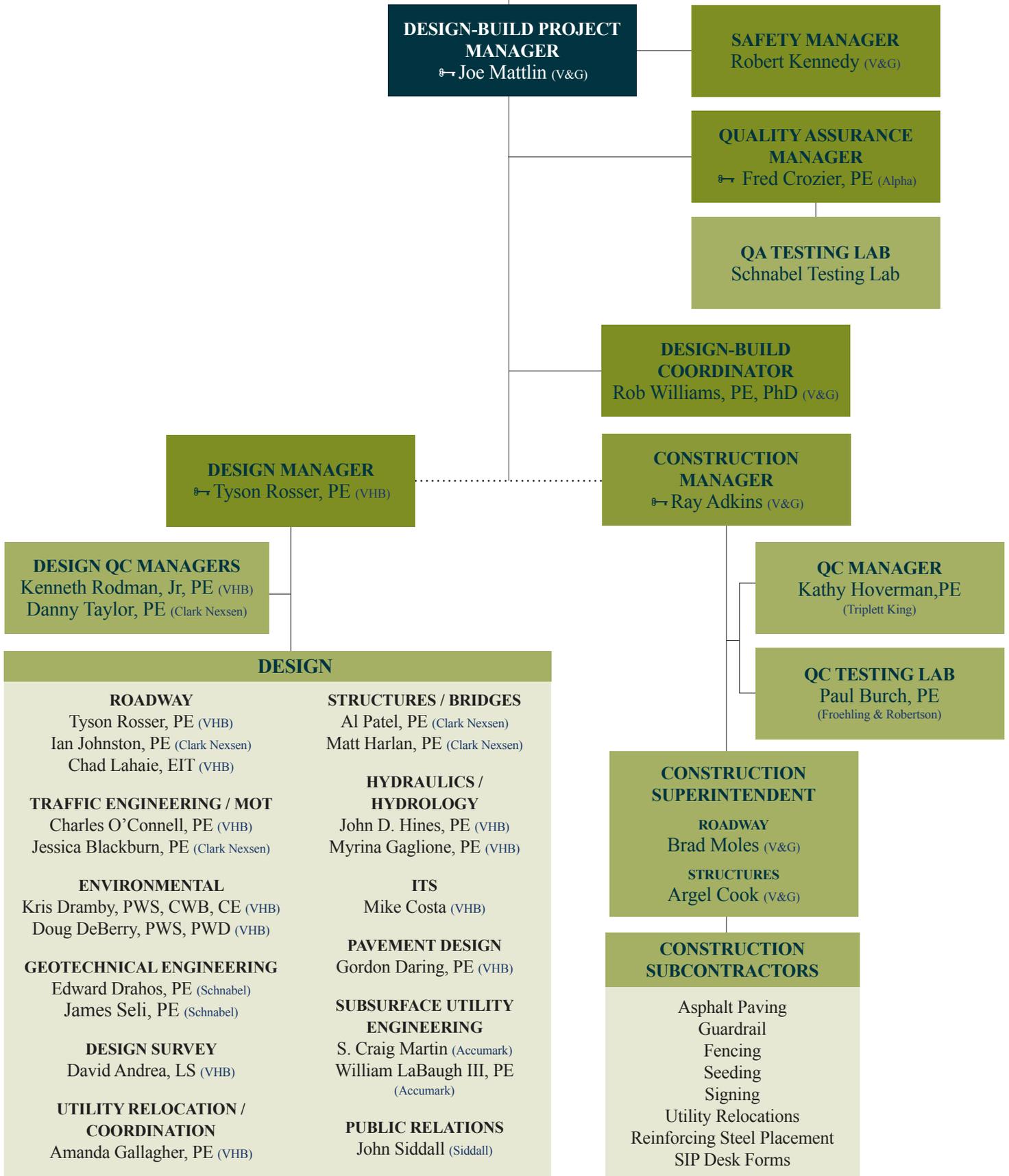
Mr. Rosser has the demonstrated ability to organize and manage personnel assignments to meet the challenge of delivering high quality, on time, within budget design. He has thorough knowledge and experience across general and specialty areas of transportation engineering, and specifically roadway design, structural engineering and traffic engineering. He brings to this role a unique blend of technical expertise, ongoing relationships with many of the staff from other firms on this team, and an understanding of VDOT requirements and expectations. Mr. Rosser is a registered, licensed, Professional Engineer in the Commonwealth of Virginia.

### **3.3.1.4 Construction Manager: Ray Adkins (V&G)**

Ray Adkins will be responsible for the daily construction operations and for safely delivering a quality project to VDOT in a timely manner. Mr. Adkins has 49 years of relevant construction experience. His resume demonstrates experience in key areas. First, he has local experience as demonstrated by his role on the V&G Route 288 project. Secondly, he has extensive experience working in and around heavy traffic volumes on numerous projects for many different owners. Third, he has design-build construction experience as demonstrated on the Route 288 project and the Virginia City project even though neither job was technically a design-build project.



### 3.3.2 Organization Chart





### 3.3.2.1 Organization Chart Narrative

The organizational structure of the V&G Team is a straightforward chain of command benefitting VDOT by providing a single-source entity responsible for the complete design and construction of the project.

The V&G Team marries the strengths of several companies, resulting in an integrated organization, to address all needs of this project. Our organizational chart shows all of our identified team members and graphically depicts the reporting structure within the team and to VDOT. The individuals depicted on the organizational chart are the key members of the V&G Team. This team will remain intact for the duration of the project.

All correspondence and coordination between VDOT and the project team will occur through Mr. Mattlin, the D-B PM, who will be involved with all aspects of the project, including design, construction, administration, quality, and schedule. He will be in frequent contact with other key personnel, especially the Design Manager (DM), Construction Manager (CM), and Quality Assurance Manager (QAM). Each of these individuals will be responsible for managing the tasks and staff associated with their portion of this project and for informing the D-B PM of any project issue or potential schedule delay that may arise. Additionally, there will be direct communication between the DM and CM concerning critical design, and to conduct constructability reviews during the design stage. Communication between the CM and the QAM will occur via the D-B PM to maintain a clear separation between QA and QC. The V&G Team has committed to providing a Design-Build Coordinator for this project as an added benefit to VDOT. Rob Williams will fulfill this role. His duties will principally be that of an expediter and facilitator. He will coordinate with the D-B PM and the CM, assist with scheduling, design coordination, subcontractor coordination, and basically act as an expediter to ensure prompt resolution of any issues that may arise. Collectively this team will maintain a collaborative relationship founded on a common goal: to successfully design and build the project.

The organizational chart clearly shows the required separation between quality assurance and quality control, including separate testing laboratories. The QAM reports directly to the D-B PM, but also, secondarily and independently, the QAM reports to the VDOT Independent Review Team. Additionally, our organizational chart indicates a clear separation of our QAM processes and our QC processes with no direct lines of communication or reporting. The D-B PM is ultimately responsible for the successful delivery to VDOT of all aspects of the project.



### 3.4 Experience of Offeror’s Team

*The V&G Team is comprised of a group of consultants and contractors that have developed an emerging working relationship through a series of similar current design-build pursuits and past contracts.*

#### 3.4.1 Work History Forms

Work History Forms (Attachments 3.4.1(a) and 3.4.1(b)) for both V&G (Lead Contractor) and VHB (Lead Designer) are included in the Appendix. The representative projects for both firms reflect the experience of the lead contractor and the lead designer on projects similar in scope and complexity. We have included below more information about the experience of the V&G Team.

#### Proven Cooperative Work History

V&G has actively pursued other VDOT design-build projects with VHB, Schnabel, F&R and Tripplett King. Through these pursuits our team developed a working synergy that will translate to success for this project. Alpha, and more specifically, our proposed QAM, Fred Cozier, served as the QAM on VDOT’s Gilberts Corner Design-Build Project for which VHB was the lead designer.

VHB and Clark Nexsen, VHB’s primary design sub-consultant, have collaborated on past development projects in Hampton Roads, and are currently working together on a major infrastructure project in Virginia Beach’s Town Center. In the past, VHB’s Design Manager, Tyson Rosser, has served on the local American Society of Highway Engineers (ASHE) board alongside staff from Clark Nexsen, forming a unique working relationship between the two firms through this experience. The two firms share similar cultures focused on providing a level of design excellence that serve our communities. Similarly, Schnabel is currently supporting both VHB and Clark Nexsen with design and construction geotechnical services, and is poised to continue this close working relationship through this project.



#### 3.4.1(a) Lead Contractor: Vecellio & Grogan, Inc. (V&G)

Vecellio & Grogan, Inc. (V&G), offers VDOT three essential assets: Safety, Experience, and Quality. V&G is committed to safety and strives to provide only the highest quality work environment to its employees and a safe traveling experience to the public. Despite working under heavy and complex traffic patterns in multiple states, V&G has successfully maintained the safe flow of traffic on numerous projects and has a near flawless safety record in doing so. Internally, V&G takes great pride in its Experience Modification Ratio (EMR) of 0.71 – further evidence of its commitment to safety. “*Safety is Job 1!*” is more than just a slogan for V&G; it is the way every V&G project is built.

V&G’s experience in highway and bridge construction dates back to its incorporation in 1938. V&G is headquartered in Beckley, West Virginia and operates throughout the Mid-Atlantic and Southeastern United States. V&G has many years of VDOT experience on various projects throughout Virginia.

.....  
**“KBD commends [V&G’s] willingness to accept these challenges and the ability of your field personnel to meet and exceed KBD’s expectations.”** *Mr. Douglas Wozniak, PE, KBD Construction Services, Inc. Project Executive FedEx Mid-Atlantic Hub Project*  
.....

Since the Federal Aid Highway Act of 1956, the Vecellio Group has performed interstate contracts on the order of \$1 Billion dollars. The group’s three heavy/highway construction units: Vecellio & Grogan, Inc. (V&G), Ranger Construction Industries, Inc. and Ranger South, have built, widened, or resurfaced approximately 1,000 lane miles of highway in West Virginia, Virginia, North Carolina, Tennessee, Maryland and Florida. Today, the Vecellio Group ranks #177 in the Engineering News Record (ENR) list of Top 400 Contractors, with \$315 million in revenues in 2010.



V&G is committed to more than simply 'getting a job done.' V&G is committed to getting the job done right, on time and providing the highest quality product to the owner. During its 73-year history, V&G has earned a solid reputation for quality and integrity in its operations.



**3.4.1(b) Lead Designer: Vanasse Hangen Brustlin, Inc. (VHB)**

VHB provides integrated comprehensive services for public and private sector transportation, environmental and land development projects. In providing these services, VHB offers clients creative solutions that balance the needs of the traveling public and the environment with the current and future trends of commercial, office, and residential development for the benefit of the entire community. The Transportation Engineering Practice is focused on the design and construction of highways and roads, bridges and railway, and transit systems. Additional capabilities include traffic and safety studies, parking analysis and facility design, and bike and pedestrian trail planning and design.

VHB has participated in many milestone D-B projects. In 2004, VHB began work on the Rte 3 North Widening Project in Burlington, MA, the first D-B project in the Commonwealth of Massachusetts. Since then, VHB has worked on more than 20 D-B projects in five states, including Virginia. These D-B projects include the first solicited VDOT Roadway D-B Project in the Commonwealth of Virginia encompassing the roadways and bridges to provide access to the APM Terminals in Portsmouth.

With a staff of 900+ Professional Engineers, planners and scientists, VHB incorporates a diverse skills base and is able to satisfy the staffing requirements of major projects. VHB's four Virginia offices have extensive experience working with VDOT. Design services for this proposed project will be maintained and managed from VHB's Virginia Beach office.

**VHB & VDOT**

Since opening for business in Virginia more than 30 years ago, VHB has supported VDOT through a variety of projects and contracts including variety of design disciplines ranging from roadway location and design, environmental permitting, structures, and traffic to topographic survey. VHB was the Lead Designer for both the VDOT Gilberts Corner Rte 50 Roadway Improvements D-B Project in Loudoun County and the aforementioned APM Terminals D-B Project. Similarly, VHB has served a role for traffic signal design, permitting and survey on the Middle Ground Boulevard Extension D-B Project. Other relevant VDOT projects include the Traffic Engineering on-call contracts for the Central Office and Northern Virginia District, the preliminary engineering for the I-81 Truck Climbing Lanes in Staunton, and the environmental impact statement for I-77/I-81 Overlap in Wythville, VA.

**VHB & VDOT**

Past projects successfully completed for VDOT include:

- D-B Gilberts Corner Rte 50 Roadway Improvements
- D-B Roadway Improvements to Support APM Terminal, Portsmouth
- I-81 Truck Climbing Lanes
- I-77/I-81 Overlap EIS
- VDOT Northern Virginia District Traffic Engineering Assistance Contract
- VDOT Central Office Traffic Engineering On-Call Contract
- Middle Ground Boulevard Extension D-B Project

**3.4.1(c) Major Subconsultants / Subcontractors**

Our team was assembled based on past successful working relationships. We first identified project tasks that require specific expertise either unavailable within our experience with VDOT, and working relationships with team members. Our team subconsultants and subcontractors have all worked together on successful traditional and nontraditional pursuits in the past. Each firm stands at the top of its respective discipline as an industry leader and has earned its reputation for quality work and outstanding expertise. Subcontractors will be an integral part of the construction of this project and will include the following categories of work: asphalt paving, pavement markings, demolition, reinforcing steel, lights/ signs/ signals, painting, erosion control/seeding, MSE walls, hauling, guardrail, fencing, etc.



**Design Consultant: Clark Nexsen**

Clark Nexsen is a full-service engineering, architecture, and planning firm headquartered in Norfolk, Virginia with nine offices in the Mid-Atlantic Region (i.e., Virginia (3), North Carolina (2), D.C. (1), & Georgia (3)). Clark Nexsen has a substantial design build practice which includes a variety of project types including transportation facilities, building facilities, and waterfront structures. The firm has completed over 100 design-build projects as well as four (4) Public Private Partnership Projects over the past 5 years for state and federal agencies. These projects range in value from \$2 million to \$200 million. Clark Nexsen has been the lead design firm for Design Build projects for the Virginia Department of Transportation, the Commonwealth of Virginia, the United States Customs and Borders, the United States Army Corps of Engineers, and the United States Navy (NAVFAC). This comprehensive background and experience in the successful completion of many design-build projects provides the Clark Nexsen staff with the capabilities to address the needs and requirements for this design-build project.



**Quality Assurance: Alpha**

Alpha Corporation (Alpha), an ENR Top 100 PM/CM firm, brings to VDOT a unique combination of technical and hands-on field experience relevant to transportation construction. Alpha has acquired extensive relevant experience by designing, analyzing, evaluating, managing and inspecting a multitude of transportation projects, including PPTA and Design-Build procured projects, with an aggregate construction value of over \$30 billion nationally. Alpha brings to this contract distinguished local and national reputation in engineering and program/project management services for transportation projects. Services have been provided during the planning and design phases of a project to evaluate design and specifications for constructability, bid-ability and technical accuracy, develop and review cost estimates at various milestones, evaluate procurement options (DB, DBB, etc.) and develop preliminary schedules; the construction phase for evaluation of initial and progress schedules, implementation of partnering and claims avoidance programs, evaluation of change orders, field office documentation, construction inspection, processing of submittals and evaluation of contractor performance; and the post construction phase with final quantities, claims resolution and closeout of project records.



**Geotechnical Engineering / Quality Assurance Testing: Schnabel**

As a nationally-recognized firm with a tradition dating back more than 55 years, Schnabel Engineering, with our subsidiary, Lachel & Associates, has become a preeminent provider of GeoDesign, dam and tunnel engineering services. Schnabel's specialized services include geotechnical and geotechnical engineering, as well as dam and tunnel engineering, environmental services, geophysical and geosciences services, construction monitoring, and resident engineering. These coordinated GeoDesign efforts provide an integrated approach to every project from subsurface explorations and soil testing, through engineering analysis, design, and construction support.



**Public Relations: Siddall, Inc.**

Siddall, Inc., an independently owned, 18-person advertising and public relations agency in Richmond, Virginia was founded in October of 1975.

For over 35 years, Siddall, Inc. has assisted state, regional and local public agencies communicate with the public, tackle communications challenges and achieve success. Since 1994, Siddall has worked specifically in the transportation sector communicating to the public about construction, road expansion, public meetings, and other communications efforts to inform the public. Siddall currently holds contracts with Virginia Department of Transportation (Central Office) and the VDOT Richmond district office (I-95 Bridge Restoration Project) and that work is continuing to build the firm's experience.



### 3.5: Project Risk

After a field visit and review of VDOT RFQ and technical documents the V&G Team brought together the project Key Personnel for a pre-planning “Risk Meeting”. The results of our meeting are simplified below in our “Project Risk Register” which indicates the top three critical risks for this project. These risks have the greatest potential for significant negative impact, including; time, cost, safety and quality. These risks will also require the most intensive mitigation strategies to reduce and eliminate the negative impacts.

#### Project Risk Register

CRITICAL RISK ITEM	IMPACTS	MITIGATION
<b>1. Third Party Control on Decisions:</b> Includes design milestone submittals, results of VDOT design exceptions, and environmental compliance/permitting.	Schedule Delay Cost Increase	Kick-off meeting immediately upon NTP. Pre-submittal meetings with VDOT for design submittals. Early and effective agency coordination.
<b>2. Maintenance of Traffic:</b> Includes providing safe ingress and egress to work areas and a suitable safety barrier between the construction zone & traffic.	Safety Hazard Accidents/Injuries Delays to Public	Comprehensive TMP development. Appropriate planning (lessons learned process) and use of MOT devices. Regular inspections.
<b>3. Geotechnical:</b> Stability and settlement of the embankments especially at bridge approaches, proper handling and disposal of unsuitable materials, appropriate undercuts, and handling wet soils are potential Geotechnical risks along with excavations needed to extend the bridge pier foundations.	Schedule Delay Quality Issues Cost Increase	During bidding phase – perform adequate field work to identify potential problem areas. During Scope Validation Period – Conduct a robust geotechnical drilling program to mitigate potential risk areas. Close communication of Contractor and Geotechnical Engineer to effectively manage all unforeseen conditions.

#### 3.5.1 Third-Party Control of Decision-Making

The V&G Team can mitigate risk in schedule fluctuations on items that are directly within our control. Plan reviews, the results of outstanding design exceptions and agency permit approvals are all third-party risks that are not directly within our control. These risk items could potentially impact the project’s success, specifically causing schedule delay and cost increase.

##### 3.5.1.1 Milestone Submittals

#### Criticality, Impact, and Mitigation of Risk

The V&G Team anticipates risk to the project schedule (and subsequent cost) in the case the project schedule is established at project award and is subsequently extended due to poor milestone submittal processes. Our team, therefore, proposes a series of up-front meetings with VDOT and any third party reviewers to define where the project is headed in the context of the final design. Upon receiving notice to proceed, the V&G Team will hold a kick off meeting and would encourage VDOT to have critical review staff in attendance so that ‘the stage can be set’ for our Team’s push into final design.



This kick-off meeting allows our Team to present our design concept to those who will be reviewing/approving our final design and affords open dialogue on critical design issues. In many cases, when this type of dialogue occurs at the earliest point in the project it allows our final design to be tailored to meet the expectations of the reviewer in a cost effective way and, at the same time, reduces the likelihood of critical comments that result in costly re-designs. Similarly, during the final design process a series of “pre-submittal” meetings will be held for any milestone submittals. These meetings would include the V&G Team discipline leads, VDOT and third party reviewers and would present an opportunity to discuss upcoming milestone submittal packages, including any known deviations. These meetings will also help mitigate potential plan revisions and provides an update of critical items.

### 3.5.1.2 Design Exceptions

#### Criticality and Impact of Risk

The V&G Team understands that VDOT is pursuing a number of design exceptions in order to move the project forward as presented in the public hearing and in the conceptual plans. At the time of this submission, the disposition of these design exceptions has not yet been determined and, therefore, the V&G Team has identified the outcome of these design exceptions as a risk. The pending outcome of several of these design exceptions present the potential of a significant scope increase that could cause impacts to project funding, the need for revisiting the public hearing process, and the potential risk that the acquisition of right-of-way could be required. For example, if the vertical clearance design exception to the Route 623 overpass is denied, then a new structure would be required (as lowering I-64 is not practical). Raising the profile of Route 623 and replacing the existing structure represents a significant project cost, a likely project schedule extension, and could present the need for construction activities to extend beyond the existing right-of-way.

#### Mitigation of Risk

During the bidding (RFP) phase, our Team anticipates a final resolution to these design exceptions. At that time, should any of the results of the design exception requests necessitate significant design changes, the V&G Team is prepared to develop the necessary preliminary engineering plans to accommodate the requisite design modifications, review potential right-of-way impacts resulting from the preliminary engineering review, and adjust our final design and construction schedule to accommodate a new public hearing process.

#### Role of VDOT & Other Agencies

Our Team anticipates VDOT will perform a project assessment, reviewing funding and potential schedule impacts in conjunction with these potential scope changes and/or increases.

### 3.5.1.3 Agency Permit Approvals

We anticipate schedule risk associated with the process of permit approvals because no project permits have been obtained yet and our team will be responsible for preparing and obtaining permits, predominantly to the U.S. Army Corps of Engineers (USACE) and the Virginia Department of Environmental Quality (VDEQ) for wetlands, streams and stormwater facilities. Environmental compliance will be a critical item to complete the project on schedule and at budget.

#### *Wetlands and Water Quality*

#### Criticality and Impact of Risk

Federal and state permits will be required prior to filling any wetlands or jurisdictional waterways. Formal jurisdictional boundary confirmations with the USACE and the VDEQ will be required before the project can be permitted. Establishing these boundaries is critical to the successful design of the project. Should additional wetlands or streams be identified that are not currently on the plans, design modifications may be necessary to avoid or minimize impacts to these resources. This risk translates to potential project schedule and cost delays.



This project will increase the amount of impervious surface in the watershed and must be designed and constructed to meet all current federal, state, and local requirements for water quality and stormwater management. These requirements include permits, plans, and temporary Best Management Practices (BMPs) to manage stormwater runoff during construction, as well as design criteria for permanent highway runoff control and treatment measures. Implementation of both temporary and permanent BMPs satisfying these requirements and protecting water quality are part of the proposed project.

### **Mitigation of Risk**

During the RFP phase, the V&G team will review field conditions to help determine the required compensatory mitigation prior to project bidding in order to minimize the risk of increased project cost post-award.

Upon Notice to Proceed, the V&G Team will conduct field work to formally establish wetland and stream boundaries. This effort will be followed by a joint field visit with the USACE and the VDEQ to confirm these boundaries. If design modifications are required to minimize impacts to these resources, our team will be able to provide these within the normal course of final design submittal procedures because our coordination with USACE and VDEQ would be completed early.

Once a Jurisdictional Determination is provided by the USACE, the V&G Team will proceed with the Joint Permit Application for impacts to jurisdictional wetlands and waters, as well as proceed with the evaluation of compensatory mitigation. Our Team will administer monthly agency coordination meetings to ensure all permit requirements are met and all of the agencies' concerns are being addressed. Our approach will be to monitor permit milestones and "pre-coordinate" permitting activities well in advance of their required time frame so that the construction schedule can proceed as planned.

### **Role of VDOT & Other Agencies**

Our Team anticipates VDOT's role will be to attend these meetings and assist with timely decision-making by the agencies.

## **3.5.2 Maintenance of Traffic (MOT) During Construction**

### **Criticality and Impact of Risk**

The safety of the traveling public and the construction crews performing the work during the project execution is the top priority. The I-64 corridor west of Richmond is a major artery into and out of the downtown area and adjacent suburbs, with over 48,000 vehicles using the roadway on a daily basis. Given the high daily traffic volume and the close proximity of construction activities with the adjacent interstate through lanes, combined with the fact that the majority of construction will occur within the median area between the east and west bound lanes, it will be important to ensure that a well-planned and effective maintenance of traffic and sequence of construction plan is developed.

An inadequate MOT plan can significantly increase project risk to the I-64 and Route 623 Interchange improvements, and could have major impacts to the following items:

- **Project Schedule.** Inadequate MOT plans could potentially create significant impacts to the project schedule. On-site investigations and analysis by the contractor, engineer, and VDOT can result in field modifications to address the inadequate plans, ultimately resulting in delays to construction activities.
- **Project Finances/Budgets.** Delays to the project often result in added project costs. The additional costs can be associated with (1) paying construction crews to stand idle while the MOT issues are being coordinated/resolved, (2) revising in place MOT elements (3) the cascading scheduling impacts associated with the need to reschedule critical project tasks, and (4) the potential for paying liquidated damages due to the extension of the schedule beyond the contract completion date.



- **Safety and Health.** Since the majority of the I-64 design-build project will be constructed directly on the interstate system, the likelihood for incidents involving higher vehicle speeds are much greater. In the event of an unexpected field conditions, the higher vehicle velocities typically mean shortened reaction times for both drivers and field workers, and therefore a heightened risk for severe incidents for both the driver and construction personnel.

### Mitigation of Risk

The V&G team will employ a series of risk mitigation strategies in order to help ensure a fully developed and effective MOT plan that allows for a safe and successful project delivery. The following is a listing of the strategies to be employed:

- **Early Planning.** Maintenance of Traffic will be considered during the early plan development process, making sure that constructability, construction sequencing, and safety are all considered sufficiently during the development of the preliminary Maintenance of Traffic plans. During the project design phase, the design team will utilize staff that has received certification through the VDOT Advanced Work Zone Traffic Control certification program. The Construction Manager will be involved in the plan review and development process, helping to ensure that the procedures as outlined in the Virginia Work Area Protection Manual and MUTCD are fully vetted, while at the same time considering the anticipated construction staging and contractor “Means and Methods”.
- **Fully Developed TMP.** The intent of the Transportation Management Plan (TMP) is to fully understand, anticipate, document and prepare for the work zone impacts of a transportation improvement project. The V&G team will perform a full operational analysis on the construction sequencing plan so that informed decisions can be made on potential MOT alternatives that take into consideration Levels of Service and therefore the potential for delay. A comprehensive public information plan will be developed by the V&G Team, in direct coordination with VDOT Richmond District Public Affairs, which will seek to keep the project stakeholders informed of the project.
  - **Use of Best Practices.** The V&G Team will bring the use of best practices used in other states to ensure the safest TMP design. The use of the pavement safety-edge construction technique is but one example of these “best practice” features that will be incorporated into our TMP.
  - **Incorporate ‘Lessons Learned.’** V&G, VHB, and the other members of the V&G Team have extensive experience designing and constructing interstate construction projects in many different states. In particular, one of V&G’s affiliated companies, Ranger Construction, regularly works on many of Florida’s busiest interstates. To supplement our Team’s experience, we will include Ranger Construction safety/operations personnel in the development of our TMP.
- **Proper TMP Execution, Monitoring, and Control.** After the TMP is developed, it will be important to fully execute the plan under field conditions, discuss and document the adequacy of the plan and any recommended changes, implement any required changes, and then maintain and communicate a “lessons learned” document for use by the project team. The V&G Team will have:
  - Bi-daily inspections of maintenance of traffic devices, markings, and procedures.
  - Include VDOT and FHWA in regular project inspections and documentation of traffic control devices, markings, and procedures.
- **Employ Project Specific Construction/MOT Measures.** Based on our preliminary review of the project site and plans, it will be important to minimize the interaction of construction traffic with regular interstate through traffic, particularly during the peak hours. One strategy for reducing this potential is to provide access to the median area between I-64 east and westbound from the Route 623 overpass structure, thereby eliminating or reducing the need for construction access points off of I-64. The interstate will still likely be an important trucking route, however that construction traffic may enter and exit the interstate via the existing on/off interchange ramps by directly routing construction traffic from the interstate median area to and from the Route 623 overpass.



### **Role of VDOT & Other Agencies**

Maintaining safety is the most important goal of the Department’s transportation delivery program. Although the design-build team is primarily responsible for the development and execution of the Maintenance of Traffic / TMP, VDOT is still at risk as the project owner by being impacted from a public perception and confidence standpoint in the event of an inadequate MOT plan. As the project owner, VDOT is also at risk of being financially impacted due to potential litigation arising from crashes or injury associated with severely inadequate MOT plans. Having made these points, we submit that VDOT is a co-owner of the MOT risk.

Although VDOT is a MOT risk co-owner, the V&G team expects to perform the majority of the risk planning, management, and mitigation work. VDOT should expect to be involved in the MOT review during the project review phases, as well as during any other important design/MOT development meetings. Richmond District Public Affairs will also be involved in the Public Information component of the TMP plan development.

### **3.5.3 Geotechnical**

#### **Criticality and Impact of Risk**

As detailed in the above table, the critical geotechnical risks include stability and settlement of the embankments especially at bridge approaches, proper handling and disposal of unsuitable materials, appropriate undercuts, and handling wet soils are potential Geotechnical risks along with excavations needed to extend the bridge pier foundations. Unsuitable materials include the potential for “false cut” within the median. False cut refers to unsuitable soils that may have been wasted within the median during the original construction resulting in the median appearing to be in a cut when it was actually filled. The risks associated with extending the existing pier footings supporting the bridges over Little Tuckahoe Creek include shoring and dewatering. All of these items have the potential to affect the schedule, cost, and quality of the project.

#### **Mitigation of Risk**

In order to mitigate this risk that would otherwise occur post-award, the V&G Team will provide an adequate level of agency coordination and preliminary design during the bidding phase of this project to identify the necessary and required geotechnical investigation steps necessary to identify, mitigate and/or manage the risk. Additionally, we will use the Scope Validation Period to perform those most critical portions of the geotechnical investigation necessary for identifying and mitigating those risks.

#### **Managing Risk**

Geotechnical risk brings with it another dimension not found in many other risk items. That added dimension in a team’s ability to manage the unforeseen or surprise subsurface conditions that are inevitable in this type project. With V&G as the lead contractor and Schnabel as the geotechnical engineer, the V&G Team is ideally positioned to manage any surprise it is dealt. Schnabel’s extensive design and inspection experience in this region coupled with V&G’s multi-faceted construction experience will enable our team to quickly assess the problem, develop a solution to the problem, and implement the fix. Fast and effective response to these inevitable surprises is the only way to deal with this type risk.

### **Role of VDOT & Other Agencies**

Our team anticipates working closely with VDOT in resolving any geotechnical risk issues. Additionally, it may be necessary to work with one or more of the permitting agencies in the event a geotechnical risk issue affects one or more permits for the project.

I-64 Widening and Route 623 Interchange Improvements  
Virginia Department of Transportation



Appendix



**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.

<b>Statement of Qualifications Component</b>	<b>Form (if any)</b>	<b>RFQ Cross reference</b>	<b>Included within 15-page limit?</b>	<b>SOQ Page Reference</b>
<b>Statement of Qualifications Checklist and Contents</b>	Attachment 3.1.2	Section 3.1.2	no	Appendix - 1
<b>Acknowledgement of RFQ, Revision and/or Addenda</b>	Attachment 2.10 (Form C-78-RFQ)	Section 2.10	no	Appendix - 4
<b>Letter of Submittal (on Offeror's letterhead)</b>				1
Authorized Representative's signature	NA	Section 3.2.1	yes	3
Offeror's point of contact information	NA	Section 3.2.2	yes	2
Principal officer information	NA	Section 3.2.3	yes	2
Offeror's Corporate Structure	NA	Section 3.2.4	yes	2
Identity of Lead Contractor and Lead Designer	NA	Section 3.2.5	yes	2
Affiliated/subsidiary companies	Attachment 3.2.6	Section 3.2.6	no	Appendix - 5
Debarment forms	Attachment 3.2.7(a) Attachment 3.2.7(b)	Section 3.2.7	no	Appendix - 6
Offeror's VDOT prequalification evidence	NA	Section 3.2.8	no	Appendix -15
Evidence of obtaining bonding	NA	Section 3.2.9	no	Appendix -18

**ATTACHMENT 3.1.2**

**Addendum No. 1**

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

**STATEMENT OF QUALIFICATIONS CHECKLIST AND CONTENTS**

<b>Statement of Qualifications Component</b>	<b>Form (if any)</b>	<b>RFQ Cross reference</b>	<b>Included within 15-page limit?</b>	<b>SOQ Page Reference</b>
Full size copies of SCC and DPOR registration documentation (appendix)	NA	Section 3.2.10	no	Appendix -19
SCC Registration	3.2.10	Section 3.2.10.1	no	Appendix -22
DPOR Registration (Offices)	3.2.10	Section 3.2.10.2	no	Appendix -35
DPOR Registration (Key Personnel)	3.2.10	Section 3.2.10.3	no	Appendix -42
DPOR Registration (Non-APELSCIDLA)	3.2.10	Section 3.2.10.4	no	N/A
<b>DBE statement within Letter of Submittal</b> confirming Offeror is committed to achieving the required DBE goal	NA	Section 3.2.11	yes	3
<b>Offeror's Team Structure</b>				4
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 -59
Key Personnel Resume – Quality Assurance Manager	Attachment 3.3.1	Section 3.3.1.2	no	Appendix -61
Key Personnel Resume – Design Manager	Attachment 3.3.1	Section 3.3.1.3	no	Appendix -63
Key Personnel Resume – Construction Manager	Attachment 3.3.1	Section 3.3.1.4	no	Appendix -65
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**

<b>Statement of Qualifications Component</b>	<b>Form (if any)</b>	<b>RFQ Cross reference</b>	<b>Included within 15- page limit?</b>	<b>SOQ Page Reference</b>
<b>Experience of Offeror's Team</b>				8
Lead Contractor Work History Form	Attachment 3.4.1(a)	Section 3.4	no	Appendix -67
Lead Designer Work History Form	Attachment 3.4.1(b)	Section 3.4	no	Appendix -70
<b>Project Risk</b>				
Identify and discuss three critical risks for the Project	NA	Section 3.5.1	yes	11



**ATTACHMENT 2.10**

**COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF TRANSPORTATION**

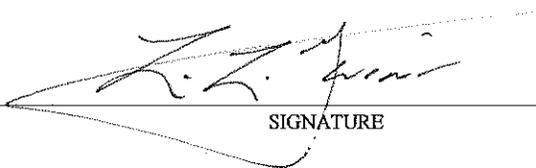
RFQ NO. C00070542DB55  
PROJECT NO.: 0064-964-110, P101, C501, RW201

**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

11-7-2012  
\_\_\_\_\_  
DATE



**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.

<input type="checkbox"/> <b>The Offeror does not have any affiliated or subsidiary companies.</b>
<input checked="" type="checkbox"/> <b>Affiliated and/ or subsidiary companies of the Offeror are listed below.</b>

<b>Relationship with Offeror (Affiliate or Subsidiary)</b>	<b>Full Legal Name</b>	<b>Address</b>
Affiliate – Parent Company	Vecellio Group, Inc.	101 Sansbury Way, West Palm Beach, FL 33416
Subsidiary – Division of V&G	Sharpe Brothers	204 Base Leg Road, Greensboro, NC 27409
Subsidiary – Division of V&G	White Rock Quarries	18300 N.W. 122 <sup>nd</sup> Avenue, Miami, FL 33346
Affiliate	Ranger Construction Industries, Inc.	101 Sansbury Way, West Palm Beach, FL 33416
Subsidiary	South Florida Materials Corp.	300 Middle Road, Port of Palm Beach, Riviera Beach, FL 33404
Subsidiary	South Florida Petroleum Services, LLC	2250 Eisenhower Boulevard #11, Ft. Lauderdale, FL 33346
Subsidiary	Vecenergy Resources, LLC	2250 Eisenhower Boulevard #11, Ft. Lauderdale, FL 33346



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.

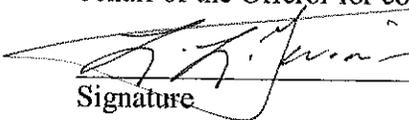
b) Have not within a three-year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State or local) transaction or contract under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

 10-16-2012 Secretary & Treasurer  
Signature Date Title

Vecellio & Grogan, Inc.  
Name of Firm

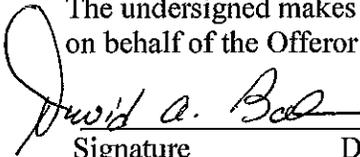
**ATTACHMENT NO. 3.2.7(b)**

**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.

	11/08/2012	Mid-Atlantic Regional Manager
Signature	Date	Title

Vanasse Hangen Brustlin, Inc.

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

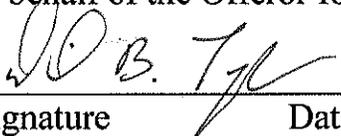
**ATTACHMENT NO. 3.2.7(b)**

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LOWER TIER COVERED TRANSACTIONS**

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

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	11/15/12	Principal
Signature	Date	Title

Clark Nexsen, PC  
Name of Firm

**ATTACHMENT NO. 3.2.7(b)**

**CERTIFICATION REGARDING DEBARMENT  
LOWER TIER COVERED TRANSACTIONS**

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

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<u>Edward G. Drakos</u>	<u>11-02-12</u>	<u>Principal</u>
Signature	Date	Title

Schnabel Engineering Consultants, Inc.  
Name of Firm

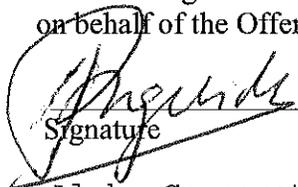
**ATTACHMENT NO. 3.2.7(b)**

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LOWER TIER COVERED TRANSACTIONS**

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

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	Nov. 2, 2012	Senior Vice President
Signature	Date	Title

Alpha Corporation

Name of Firm

ATTACHMENT NO. 3.2.7(b)

**CERTIFICATION REGARDING DEBARMENT  
LOWER TIER COVERED TRANSACTIONS**

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

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J. Gray McQuinn      11-2-12      President  
Signature                      Date                      Title

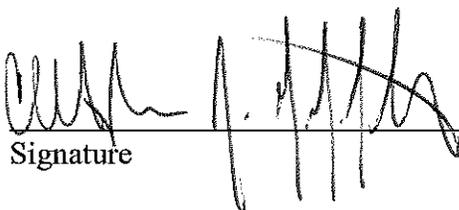
Accumark, Inc  
Name of Firm

**CERTIFICATION REGARDING DEBARMENT**  
**LOWER TIER COVERED TRANSACTIONS**  
**(To be completed by a Sub-consultant)**

Project: I-64 Widening and Route 623 Interchange Improvements

- 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.
  
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Signature

November 8, 2012

Date

Christopher J. Griffith, PE, CCM  
Executive Vice President

Title

KCI Technologies, Inc.

Name of Firm

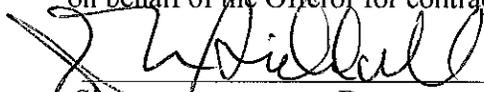
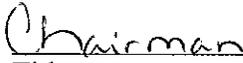
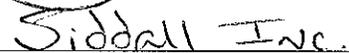
**ATTACHMENT NO. 3.2.7(b)**

**CERTIFICATION REGARDING DEBARMENT  
LOWER TIER COVERED TRANSACTIONS**

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

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	_____	
Signature	Date	Title
		
Name of Firm		

**ATTACHMENT NO. 3.2.7(b)**

**CERTIFICATION REGARDING DEBARMENT  
LOWER TIER COVERED TRANSACTIONS**

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

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	11/5/2012	President
Signature	Date	Title

Froehling & Robertson, Inc.  
\_\_\_\_\_  
Name of Firm



TRNSPORT - E22  
LSPPREQ

COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF TRANSPORTATION  
PREQUALIFIED VENDORS SORTED BY VENDOR NAME  
THIS LIST INCLUDES ALL PREQUALIFIED LEVELS  
AS OF 10/19/2012  
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V004  
VECELLIO & GROGAN, INC.  
PREQ. EXP : 10/31/2013

--PREQ ADDRESS ----- WORK CLASSES (LISTED BUT NOT LIMITED TO)  
P. O. BOX 2438                    002 - GRADING  
BECKLEY, WV 25802-2438        003 - MAJOR STRUCTURES  
PHONE : 304-252-6575            004 - ASPHALT CONCRETE PAVING  
FAX : 304-252-4131

BUSINESS CONTACT: GWINN, LOMAN LAKE  
EMAIL: MICHELE.WIKEL@VECELLIOGROGAN.COM

-----DBE INFORMATION-----

DBE TYPE : N/A  
DBE CONTACT: N/A

=====

## Rick Hertzler

---

**From:** Silies, Don E. (VDOT) <Don.Silies@VDOT.Virginia.gov>  
**Sent:** Tuesday, October 09, 2012 9:46 AM  
**To:** Rick Hertzler  
**Cc:** Lucas, Suzanne F. (VDOT)  
**Subject:** RE: Request for Waiver for B04, B05 & Interstate 64 Widening and Route 623 Interchange Improvement

I have reviewed the qualifications of Vecellio & Grogan, Inc., and I find them acceptable for the purpose of bidding these projects. Therefore, I hereby waive the bidding restriction on your firm for these projects. If in the future you desire to bid beyond what your prequalification status allows, please make a request to me by email. State which project you wish to bid on and that I have granted a waiver in the past. I will keep the supportive information on file so you do not need to send it again. I would welcome additional supportive information if available. I look forward to your bid.

### *Don Silies*

Assistant Division Administrator  
Construction Division  
Virginia Department of Transportation  
(804) 786-1630  
[Don.Silies@vdot.virginia.gov](mailto:Don.Silies@vdot.virginia.gov)

---

**From:** Rick Hertzler [<mailto:Rick.Hertzler@vecelliogrogan.com>]  
**Sent:** Tuesday, October 09, 2012 9:13 AM  
**To:** Silies, Don E. (VDOT)  
**Cc:** Rick Hertzler  
**Subject:** Request for Waiver - Prequalification Status Inactive

Mr. Silies:  
Vecellio & Grogan, Inc. wishes to submit bids on the following projects scheduled for the October 24<sup>th</sup> letting::

Order No. B04 – Washington County – Project No. (NFO)0614-095-306, C501, UPC 60791  
Order No. B05 – Franklin County – Project No. (NFO)0122-033-106, B601, C501; UPC 82189

Additionally, our company wishes to submit a Statement of Qualifications for the Interstate 64 Widening and Route 623 Interchange Improvement project currently due on November 15, 2012. This project has the Federal Project No. NH-064-2(150) and the Contract ID Number C00070542DB55. This is a design-build project with an estimated value of \$31 million dollars.

According to our Prequalification Inactive status, bidding on these projects requires a waiver from you. You have granted similar waiver requests in the past and should have supportive material for us on file. Please consider this request for waivers applicable to the above three projects.

Our current uncompleted work load is approximately \$46 million.

Thanks for your consideration of this request. Please call should you have questions or need additional information

Richard L. Hertzler  
Chief Engineer



COMMONWEALTH OF VIRGINIA



## CERTIFICATE OF QUALIFICATION

**Vecellio & Grogan, Inc.**

Vendor Number: **V004**

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

**PREQUALIFIED (Currently Inactive)**

**Work Classes:** Grading, Major Structures, Asphalt Pavement

**Issue Date:** October 5, 2011

**This Rating and Classification will Expire:** October 31, 2012

Suzanne FR Lucas Prequalification Officer

Don E. Silies, State Contract Officer



# Friedlander Company



## **Bonds & Insurance**

1566 Kanawha Blvd. East 25311  
PO Box 2466 Charleston, WV 25329  
Telephone: 304/357-4520 \* Fax: 304/345-8724



October 16, 2012

**Mr. Stephen D. Kindy, P.E.**  
Alternate Project Delivery Office  
Virginia Department of Transportation (VDOT)  
1401 East Broad Street  
Richmond, Virginia 23219

**Subject: Vecellio & Grogan, Inc., Beckley, West Virginia**

Gentlemen:

The Design-Build Team of Vecellio & Grogan, Inc., Beckley, WV and Vanasse Hangen Brustlin, Inc., Virginia Beach, VA "V&G Team", is submitting their Statement of Qualifications for VDOT's "I-64 Widening and Route 623 Interchange Improvements Project" in Goochland and Henrico Counties, Virginia. In response to Paragraph 3.2.9 of the RFQ it pleases me to advise that it has been the privilege of this surety agency since 1938 and the Travelers Companies since 1959 to provide surety bonds for Vecellio & Grogan, Inc. (V&G). As a surety agent with the Friedlander Company I have worked with V&G since 1970 and personally know they have not been denied bond in that 42 year period.

It is our opinion that V&G is qualified to provide and perform the necessary construction services for the satisfactory completion of the above referenced design-build project. We understand your estimated value of the project, per Section 2.1, is \$31,000,000. We have provided bonds for the Vecellio companies in excess of \$100,000,000.

Travelers Casualty and Surety Company of America has an A. M. Best Co. Financial Strength Rating of "A+" and Financial Size Category of "XIV". In the event V&G is awarded the above project and enters into a contract, Travelers would be willing to furnish 100% performance and payment bonds in the amount of the anticipated cost of construction, said bonds covering the noted project and any warranty period.

Should you have any questions or concerns please contact me at my Moneta, Virginia branch office. Phone: 540-721-6441. Thank you for the opportunity to recommend this fine construction company.

Very truly yours,

**A. L. Stanchina**  
Surety's Attorney-in-Fact  
Agency's President



## 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.

<b>SCC &amp; DPOR INFORMATION FOR BUSINESSES (RFQ Sections 3.2.10.1 and 3.2.10.2)</b>							
<b>Business Name</b>	<b>SCC Information (3.2.10.1)</b>			<b>DPOR Information (3.2.10.2)</b>			
	<b>SCC Number</b>	<b>SCC Type of Corporation</b>	<b>SCC Status</b>	<b>DPOR Registered Address</b>	<b>DPOR Registration Type</b>	<b>DPOR Registration Number</b>	<b>DPOR Expiration Date</b>
<b>Vecellio &amp; Grogan, Inc.</b>	<b>F0083867</b>	<b>Foreign Corporation</b>	<b>Active</b>	<b>2251 Robert C Byrd Dr. Beckley, Wv 25801</b>	<b>Corporation</b>	<b>2705046593</b>	<b>October 31, 2014</b>
<b>Vanasse Hangen Brustlin, Inc.</b>	<b>F1170440</b>	<b>Foreign Corporation</b>	<b>Active</b>	<b>4500 Main St Ste 400 Virginia Beach, Va 23462</b>	<b>Business Entity Branch Office Registration</b>	<b>0411000348</b>	<b>February 28, 2014</b>
<b>Accumark, Inc.</b>	<b>04407458</b>	<b>Corporation</b>	<b>Active</b>	<b>9500 King Air Ct Ashland, Va 23005</b>	<b>Business Entity Registration</b>	<b>0407005172</b>	<b>December 31, 2013</b>
<b>Alpha Construction and Engineering Corporation</b>	<b>F0378606</b>	<b>Foreign Corporation</b>	<b>Active</b>	<b>101 West Main St Ste 7100 Norfolk, Va 23510</b>	<b>Business Entity Branch Office Registration</b>	<b>0411000633</b>	<b>February 28, 2014</b>
<b>Clark, Nexsen, Owen, Barbieri &amp; Gibson, P.C.</b>	<b>01901750</b>	<b>Corporation</b>	<b>Active</b>	<b>6160 Kempsville Circle Suite 200a Norfolk, Va 23502</b>	<b>Professional Corporation Registration</b>	<b>0405000238</b>	<b>December 31, 2013</b>
<b>Froehling &amp; Robertson, Incorporated</b>	<b>00272112</b>	<b>Corporation</b>	<b>Active</b>	<b>3015 Dumbarton Rd. Richmond, Va 23228</b>	<b>Business Entity Registration</b>	<b>0407000098</b>	<b>December 31, 2013</b>
<b>KCI Technologies, Inc. (Triplett-King)</b>	<b>F0598690</b>	<b>Foreign Corporation</b>	<b>Active</b>	<b>6802 Paragon Place Suite 410 Richmond, Va 23230</b>	<b>Business Entity Branch Office Registration</b>	<b>0411000938</b>	<b>February 28, 2014</b>
<b>Schnabel Engineering Consultants, Inc.</b>	<b>07126741</b>	<b>Corporation</b>	<b>Active</b>	<b>One Cary Street Richmond, Va 23220</b>	<b>Business Entity Branch Office Registration</b>	<b>0411000700</b>	<b>February 28, 2014</b>
<b>Siddall, Inc.</b>	<b>01619022</b>	<b>Corporation</b>	<b>Active</b>				

## 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
Vanasse Hangen Brustlin, Inc.	Amanda Gallager	Virginia Beach, Virginia	4500 Main St Ste 400 Virginia Beach, Va 23462	Professional Engineer License	0402050031	June 30, 2014
Vanasse Hangen Brustlin, Inc.	David Andrea	Virginia Beach, Virginia	4500 Main St Ste 400 Virginia Beach, Va 23462	Land Surveyor License	0403002215	December 31, 2012
Vanasse Hangen Brustlin, Inc.	Myrina Gaglione	Virginia Beach, Virginia	5021 Pleasant Ave Norfolk Va, 23518	Professional Engineer License	0402041433	June 30, 2014
Vanasse Hangen Brustlin, Inc.	John D. Hines	Virginia Beach, Virginia	2313 W Great Neck Rd #207 Virginia Beach Va, 23462	Professional Engineer License	0402040808	December 31, 2013
Vanasse Hangen Brustlin, Inc.	Tyson Rosser	Virginia Beach, Virginia	2428 Glenmore Hunt Trail Virginia Beach Va, 23462	Professional Engineer License	0402041066	May 31, 2013
Vanasse Hangen Brustlin, Inc.	Ken Rodman	Virginia Beach, Virginia	905 High Gate Mews Virginia Beach Va, 23462	Professional Engineer License	0402023862	January 31, 2013
Clark, Nexsen, Owen, Barbieri & Gibson, P.C.	Achyut Patel	Norfolk, Virginia	729 Queen Elizabeth Dr. Virginia Beach Va, 23452	Professional Engineer License	0402025919	April 30, 2013
Clark, Nexsen, Owen, Barbieri & Gibson, P.C.	Daniel Taylor	Norfolk, Virginia	725 Trio Lane Virginia Beach Va, 23452	Professional Engineer License	0402017751	July 31, 2013
Clark, Nexsen, Owen, Barbieri & Gibson, P.C.	Ian Johnston	Norfolk, Virginia	111 Windham Rd. Norfolk Va, 23505	Professional Engineer License	0402041863	May 31, 2014
Clark, Nexsen, Owen, Barbieri & Gibson, P.C.	Jessica Blackburn	Ashland, Virginia	513 Liberty Ct #201 Virginia Beach Va, 23462	Professional Engineer License	0402045053	January 31, 2013
Clark, Nexsen, Owen, Barbieri & Gibson, P.C.	Matthew Harlan	Norfolk, Virginia	311 Orange Plank Rd. Hampton Va, 23669	Professional Engineer License	0402043200	June 30, 2013

**ATTACHMENT 3.2.10**

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

**SCC and DPOR Information**

Accumark, Inc.	W C Labaugh, III	Ashland, Virginia	2418 Mountainbrook Dr. Richmond Va, 23233	Professional Engineer License	0402010372	August 31, 2013
Triplett King (KCI)	Kathy Hoverman	Richmond, Virginia	2918 Battery Ave Richmond Va, 23228	Professional Engineer License	0402049644	January 31, 2014
Froehling & Robertson, Incorporated	Paul Burch	Richmond, Virginia	3015 Dumbarton Rd. Richmond Va, 23228	Professional Engineer License	0402021273	April 30, 2013
Alpha Construction and Engineering Corporation	Frederick Crozier	Norfolk, Virginia	1436 Roosevelt St. Morgantown Wv, 26505	Professional Engineer License	0402045291	October 31, 2014
Schnabel Engineering Consultants, Inc.	Edward Drahos	Richmond, Virginia	14410 Galloway Ct. Midlothian Va, 23113	Professional Engineer License	0402015605	July 31, 2013
Schnabel Engineering Consultants, Inc.	James Seli	Richmond, Virginia	10221 Uppingham Ct. Richmond Va, 23235	Professional Engineer License	0402014957	July 31, 2014



# Commonwealth OF Virginia



## State Corporation Commission

### *CERTIFICATE OF GOOD STANDING*

*I Certify the Following from the Records of the Commission:*

That VECELLIO & GROGAN, INC., a corporation incorporated under the law of West Virginia, is authorized to transact business in the Commonwealth of Virginia;

That it obtained a certificate of authority to transact business in Virginia from the Commission on June 6, 1949; and

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

Nothing more is hereby certified.



*Signed and Sealed at Richmond on this Date:*  
*October 10, 2012*

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

# Commonwealth OF Virginia



## State Corporation Commission

### *CERTIFICATE OF GOOD STANDING*

*I Certify the Following from the Records of the Commission:*

That Vanasse Hangen Brustlin, Inc., a corporation incorporated under the law of Massachusetts, is authorized to transact business in the Commonwealth of Virginia;

That it obtained a certificate of authority to transact business in Virginia from the Commission on March 18, 1994; and

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

Nothing more is hereby certified.



*Signed and Sealed at Richmond on this Date:*

*August 23, 2012*

*Joel H. Peck*

*Joel H. Peck, Clerk of the Commission*

# Commonwealth of Virginia



## State Corporation Commission

*I Certify the Following from the Records of the Commission:*

CLARK, NEXSEN, OWEN, BARBIERI & GIBSON, P. C. is a corporation existing under and by virtue of the laws of Virginia, and is in good standing.

The date of incorporation is November 27, 1978.

Nothing more is hereby certified.



*Signed and Sealed at Richmond on this Date:  
June 2, 2008*

*Joel H. Peck*  
\_\_\_\_\_  
*Joel H. Peck, Clerk of the Commission*

# Commonwealth of Virginia



## STATE CORPORATION COMMISSION

*Richmond, August 12, 2009*

*This is to certify that the certificate of incorporation of*

**Schnabel Consultants, Inc.**

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



*State Corporation Commission*

*Attest:*

*Joel H. Beck*  
Clerk of the Commission

**COMMONWEALTH OF VIRGINIA  
STATE CORPORATION COMMISSION**

**AT RICHMOND, NOVEMBER 12, 2009**

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

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

**CERTIFICATE OF AMENDMENT**

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

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

**STATE CORPORATION COMMISSION**

By

A handwritten signature in black ink, reading "Judith William Jagdmann". The signature is written in a cursive style with a large initial "J".

**Commissioner**

**09-10-30-0071  
AMENACPT  
CIS0436**



STATE CORPORATION COMMISSION

*Richmond,* January 16, 1981

*This is to Certify, that* Alpha Construction and Engineering Corporation

*a corporation organized under the laws of* Maryland  
*having complied with all the requirements of law, is*  
*hereby authorized to transact business in the State of*  
*Virginia in so far as not in conflict with and subject to*  
*the laws of the State.*

*State Corporation Commission*

*Attest:*

*William C. [Signature]*  
Clerk of the Commission

THEODORE V. MORRISON, JR.  
CHAIRMAN

HULLIHEN WILLIAMS MOORE  
COMMISSIONER

CLINTON MILLER  
COMMISSIONER

# COMMONWEALTH OF VIRGINIA



WILLIAM J. BRIDGE  
CLERK OF THE COMMISSION  
P. O. BOX 1197  
RICHMOND, VIRGINIA 23218-1197

## STATE CORPORATION COMMISSION

June 25, 1996

ELIZABETH J. TEVELOW  
FUREY, DOOLAN & ARBELL  
8401 CONNECTICUT AVE., SUITE 1100  
CHEVY CHASE, MD 20815-5803

RE: ALPHA CONSTRUCTION AND ENGINEERING CORPORATION  
ID: F037860 - 6  
DCN: 96-06-25-2311

This will acknowledge receipt of an attested copy of an assumed or fictitious name certificate for the captioned corporation conducting business under the assumed or fictitious name(s) of:

ALPHA CORPORATION

The filing fee of \$10.00 has been received.

Sincerely yours,

A handwritten signature in black ink that reads 'William J. Bridge'.

William J. Bridge  
Clerk of the Commission

FICTACPT  
CIS20460

1 1996

# Commonwealth OF Virginia



## State Corporation Commission

### *CERTIFICATE OF GOOD STANDING*

*I Certify the Following from the Records of the Commission:*

That ALPHA CONSTRUCTION AND ENGINEERING CORPORATION, a corporation incorporated under the law of Maryland, is authorized to transact business in the Commonwealth of Virginia.

That it obtained a certificate of authority to transact business in Virginia from the Commission on January 16, 1981; and

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

Nothing more is hereby certified.



*Signed and Sealed at Richmond on this Date:*

*November 15, 2011*

*Joel H. Peck*

*Joel H. Peck, Clerk of the Commission*



# Commonwealth of Virginia State Corporation Commission

06/25/12

CISM0180

CORPORATE DATA INQUIRY

08:52:41

CORP ID: F037860 - 6 STATUS: 00 ACTIVE STATUS DATE: 02/05/08  
CORP NAME: ALPHA CONSTRUCTION AND ENGINEERING CORPORATION

DATE OF CERTIFICATE: 01/16/1981 PERIOD OF DURATION: INDUSTRY CODE: 00  
STATE OF INCORPORATION: MD MARYLAND 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

R/A STATUS: 5 B.E. AUTH IN VI EFF. DATE: 01/11/07 LOC : 143

ACCEPTED AR#: 212 50 1698 DATE: 01/06/12 HENRICO COUNTY

CURRENT AR#: 212 50 1698 DATE: 01/06/12 STATUS: A ASSESSMENT INDICATOR: 0

YEAR	FEES	PENALTY	INTEREST	TAXES	BALANCE	TOTAL SHARES
12	130.00					10,000

(Screen Id:/Corp\_Data\_Inquiry)

# Commonwealth OF Virginia



## State Corporation Commission

*I Certify the Following from the Records of the Commission:*

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

The date of incorporation is January 30, 1995.

Nothing more is hereby certified.



*Signed and Sealed at Richmond on this Date:  
August 7, 2009*

*Joel H. Peck*  
\_\_\_\_\_  
*Joel H. Peck, Clerk of the Commission*

# Commonwealth of Virginia



## State Corporation Commission

*I Certify the Following from the Records of the Commission:*

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

The date of incorporation is September 30, 1975.

I further certify that the following is a list of all documents constituting the charter of Siddall, Inc. as of this date.

ARTICLES OF INCORPORATION	September 30, 1975
ARTICLES OF AMENDMENT	January 09, 1976
ARTICLES OF AMENDMENT	October 18, 1984
ARTICLES OF MERGER	March 30, 1988
ARTICLES OF AMENDMENT	August 10, 1998
ARTICLES OF AMENDMENT	February 26, 2001

Nothing more is hereby certified.

*Signed and Sealed at Richmond on this Date:  
May 10, 2001*



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

# Commonwealth of Virginia



## State Corporation Commission

*I Certify the Following from the Records of the Commission:*

KCI Technologies, Inc., a corporation existing under the laws of DELAWARE, holds a certificate of authority to transact business in Virginia, and is in good standing.

The certificate was issued on December 19, 1988.

Nothing more is hereby certified.

*Signed and Sealed at Richmond on this Date:  
March 19, 2010*



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

# Commonwealth of Virginia



## State Corporation Commission

*I Certify the Following from the Records of the Commission:*

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*

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

**EXPIRES ON  
10-31-2014**

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

**NUMBER  
2705046593**

**BOARD FOR CONTRACTORS  
CLASS A CONTRACTOR  
\*CLASSIFICATIONS\* H/H**

**VECELLIO & GROGAN INC  
PO BOX 2438  
BECKLEY, WV 25802-2438**



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

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

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

(POCKET CARD)

**COMMONWEALTH OF VIRGINIA  
CLASS A BOARD FOR CONTRACTORS  
CONTRACTOR**

**\*CLASSIFICATIONS\* H/H  
NUMBER: 2705046593 EXPIRES: 10-31-2014**

**VECELLIO & GROGAN INC  
PO BOX 2438  
BECKLEY, WV 25802-2438**



(FOLD)

(DETACH HERE)

**DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION  
9960 Mayland Dr., Suite 400, Richmond, VA 23233**

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DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION  
COMMONWEALTH OF VIRGINIA

EXPIRES ON  
02-28-2014

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

NUMBER  
0411000348

BOARD FOR ARCHITECTS, PROFESSIONAL ENGINEERS, LAND SURVEYORS, CERTIFIED INTERIOR DESIGNERS  
AND LANDSCAPE ARCHITECTS  
BUSINESS ENTITY BRANCH OFFICE REGISTRATION  
PROFESSIONS: ENG, LS, LA

VANASSE HANGEN BRUSTLIN INC  
TWO COLUMBUS CENTER  
SUITE 400  
VIRGINIA BEACH, VA 23462

RECEIVED

FEB 21 2012

VANASSE HANGEN BRUSTLIN  
VIRGINIA BEACH, VA



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

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POCKET CARD)

COMMONWEALTH OF VIRGINIA

BOARD FOR APESCIDLA  
BUSINESS ENTITY BRANCH OFFICE REGISTRATION  
NUMBER: 0411000348 EXPIRES: 02-28-2014  
PROFESSIONS: ENG, LS, LA  
VANASSE HANGEN BRUSTLIN INC  
TWO COLUMBUS CENTER  
SUITE 400  
VIRGINIA BEACH, VA 23462



15  
10

(DETACH HERE)

DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION  
9960 Mayland Dr., Suite 400, Richmond, VA 23233

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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

0405000238

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

PROFESSIONS: ARC, LA, ENG

CLARK, NEXSEN, OWEN, BARBIERI & GIBSON PC  
CLARK NEXSEN, PC  
6160 KEMPSVILLE CIRCLE  
SUITE 200A  
NORFOLK, VA 23502



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

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

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

(POCKET CARD)

COMMONWEALTH OF VIRGINIA

BOARD FOR APELSCIDLA  
PROFESSIONAL CORPORATION REGISTRATION  
NUMBER: 0405000238 EXPIRES: 12-31-2013  
PROFESSIONS: ARC, LA, ENG  
CLARK, NEXSEN, OWEN, BARBIERI & GIBSON PC CLARK  
NEXSEN, PC  
6160 KEMPSVILLE CIRCLE  
SUITE 200A  
NORFOLK, VA 23502



(DETACH HERE)

DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION  
9960 Mayland Dr., Suite 400, Richmond, VA 23233

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

DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION  
COMMONWEALTH OF VIRGINIA

EXPIRES ON  
02-28-2014

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

NUMBER  
0411000700

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

PROFESSIONS: ENG

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



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

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

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

(POCKET CARD)

COMMONWEALTH OF VIRGINIA  
BOARD FOR APESCIDLA  
BUSINESS ENTITY BRANCH OFFICE REGISTRATION  
NUMBER: 0411000700 EXPIRES: 02-28-2014  
PROFESSIONS: ENG  
SCHNABEL ENGINEERING CONSULTANTS, INC  
ONE CARY STREET  
RICHMOND, VA 23220



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

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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  
0407003176

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

PROFESSIONS: ENG

ALPHA CONSTRUCTION & ENGINEERING  
ALPHA CORPORATION  
21351 RIDGETOP CIRCLE  
SUITE 200  
DULLES, VA 20166



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

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COMMONWEALTH OF VIRGINIA

BOARD FOR APPLICANTS  
BUSINESS ENTITY REGISTRATION  
NUMBER: 0407003176 EXPIRES: 12-31-2013  
PROFESSIONS: ENG  
ALPHA CONSTRUCTION & ENGINEERING CORPORATION  
ALPHA CORPORATION  
21351 RIDGETOP CIRCLE  
SUITE 200  
DULLES, VA 20166



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COMMONWEALTH OF VIRGINIA

EXPIRES ON  
02-28-2014

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

NUMBER  
0411000938

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

PROFESSIONS: ENG

KCI TECHNOLOGIES INC  
6802 PARAGON PLACE  
SUITE 410  
RICHMOND, VA 23230



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Gordon N. Dixon, Director

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COMMONWEALTH OF VIRGINIA

EXPIRES ON  
12-31-2013

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

NUMBER  
0407000098

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

PROFESSIONS: ENG

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



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Gordon N. Dixon, Director

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(POCKET CARD)

COMMONWEALTH OF VIRGINIA

BOARD FOR APPLSCIDLA  
BUSINESS ENTITY REGISTRATION  
NUMBER: 0407000098 EXPIRES: 12-31-2013  
PROFESSIONS: ENG  
FROEHLING & ROBERTSON, INC  
3015 DUMBARTON ROAD  
RICHMOND, VA 23228



from

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POST IN PUBLIC VIEW

POST IN PUBLIC VIEW  
Expires: 12/31/2012

## 2012 BUSINESS LICENSE

CITY OF RICHMOND  
CITY HALL, ROOM 103  
RICHMOND VA 23219  
(804) 646-7000

ACCOUNT NO. 1014387

SIDDALL INC  
830 E MAIN ST 24TH FL  
700 ROSS BLDG  
RICHMOND, VA 23219

**BUSINESS LOCAL ADDRESS:**  
830 E MAIN ST 24FL  
RICHMOND, VA 23219

**VALID BUSINESS LICENSE(S)**

**BUSINESS TYPE DESCRIPTION**

**CAT**

**TYPE**

**LICENSE #**

**ADVERTISING**

**15**

**1801**

**18457**

**LICENSE(S) MUST BE RENEWED BY  
MARCH 1, 2013**

**THIS LICENSE CERTIFICATE MUST BE  
SURRENDERED UPON DEMAND**

DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION  
COMMONWEALTH OF VIRGINIA

EXPIRES ON

05-31-2013

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

NUMBER

0402041066

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

TYSON NEALE ROSSER  
2428 GLENMORE HUNT TRAIL  
VIRGINIA BEACH, VA 23456



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Gordon N. Dixon, Director

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(POCKET CARD)

COMMONWEALTH OF VIRGINIA

BOARD FOR APPLSCIDLA  
PROFESSIONAL ENGINEER LICENSE  
NUMBER: 0402041066 EXPIRES: 05-31-2013

TYSON NEALE ROSSER  
2428 GLENMORE HUNT TRAIL  
VIRGINIA BEACH, VA 23456



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COMMONWEALTH OF VIRGINIA

EXPIRES ON

07-31-2014

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

NUMBER

0402014957

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

JAMES J SELI  
10221 UPPINGHAM COURT  
RICHMOND, VA 23235



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Gordon N. Dixon, Director

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COMMONWEALTH OF VIRGINIA

BOARD FOR APESCIDLA  
PROFESSIONAL ENGINEER LICENSE  
NUMBER: 0402014957 EXPIRES: 07-31-2014

JAMES J SELI  
10221 UPPINGHAM COURT  
RICHMOND, VA 23235



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10010 (7/11) 107028-3

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COMMONWEALTH OF VIRGINIA

EXPIRES ON  
07-31-2013

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

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



*Jason N. Dixon*  
Jason N. Dixon, Director

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COMMONWEALTH OF VIRGINIA

EXPIRES ON  
06-30-2013

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

NUMBER  
0402043200

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

MATTHEW DENORMANDIE HARLAN  
311 ORANGE PLANK RD  
HAMPTON, VA 23669



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

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(POCKET CARD)

COMMONWEALTH OF VIRGINIA

BOARD FOR APESCIDLA  
PROFESSIONAL ENGINEER LICENSE  
NUMBER: 0402043200 EXPIRES: 06-30-2013

MATTHEW DENORMANDIE HARLAN  
311 ORANGE PLANK RD  
HAMPTON, VA 23669



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COMMONWEALTH OF VIRGINIA**

**EXPIRES ON  
08-31-2013**

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

**NUMBER  
0402010372**

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

W C LABAUGH III  
2418 MOUNTAINBROOK DRIVE  
RICHMOND, VA 23233



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

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COMMONWEALTH OF VIRGINIA

EXPIRES ON

01-31-2013

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

NUMBER

0402023862

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

KENNETH E RODMAN JR  
905 HIGH GATE MEWS  
VIRGINIA BEACH, VA 23452



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Gordon N. Dixon, Director

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COMMONWEALTH OF VIRGINIA

EXPIRES ON

01-31-2013

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

NUMBER

0402045053

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

JESSICA LEE BLACKBURN  
513 LIBERTY COURT  
#201  
VIRGINIA BEACH, VA 23462



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COMMONWEALTH OF VIRGINIA

EXPIRES ON  
12-31-2013

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

NUMBER  
0402040808

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

JOHN DANIEL HINES  
2313 W GREAT NECK RD #207  
VIRGINIA BEACH, VA 23451



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Gordon N. Dixon, Director

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COMMONWEALTH OF VIRGINIA

EXPIRES ON  
05-31-2014

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

NUMBER  
0402041863

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

IAN D JOHNSTON  
111 WINDHAM ROAD  
NORFOLK, VA 23505



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Gordon N. Dixon, Director

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COMMONWEALTH OF VIRGINIA**

EXPIRES ON

01-31-2014

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

NUMBER

0402049644

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

KATHY LYNN HOVERMAN  
2918 BATTERY AVE  
RICHMOND, VA 23228



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Gordon N. Dixon, Director

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COMMONWEALTH OF VIRGINIA

EXPIRES ON

06-30-2014

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

NUMBER

0402041433

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

MYRINA L GAGLIONE  
5021 PLEASANT AVE  
NORFOLK, VA 23518



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Gordon N. Dixon, Director

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COMMONWEALTH OF VIRGINIA

EXPIRES ON  
07-31-2013

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

NUMBER  
0402017751

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

DANIEL BRYAN TAYLOR  
725 TRIO LANE  
VIRGINIA BEACH, VA 23452



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(POCKET CARD)

COMMONWEALTH OF VIRGINIA

BOARD FOR APESCIDLA  
PROFESSIONAL ENGINEER LICENSE  
NUMBER: 0402017751 EXPIRES: 07-31-2013

DANIEL BRYAN TAYLOR  
725 TRIO LANE  
VIRGINIA BEACH, VA 23452



Prody

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COMMONWEALTH OF VIRGINIA

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

EXPIRES ON  
12-31-2012

NUMBER  
0403002215

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

DAVID WAYNE ANDREA  
VANASSE HANGEN BRUSTLIN INC  
ONE COLUMBUS CENTER  
SUITE 1100  
VIRGINIA BEACH, VA 23462



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Gordon N. Dixon, Director

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(POCKET CARD)

COMMONWEALTH OF VIRGINIA

BOARD FOR APESCIDLA  
LAND SURVEYOR LICENSE  
NUMBER: 0403002215 EXPIRES: 12-31-2012

DAVID WAYNE ANDREA  
VANASSE HANGEN BRUSTLIN INC  
ONE COLUMBUS CENTER  
SUITE 1100  
VIRGINIA BEACH, VA 23462



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COMMONWEALTH OF VIRGINIA

EXPIRES ON

10-31-2014

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

NUMBER

0402045291

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

FREDERICK PAUL CROZIER  
1436 ROOSEVELT STREET  
MORGANTOWN, WV 26505



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Gordon N. Dixon, Director

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COMMONWEALTH OF VIRGINIA**

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

EXPIRES ON

04-30-2013

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



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Gordon N. Dixon, Director

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COMMONWEALTH OF VIRGINIA**

EXPIRES ON

04-30-2013

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

NUMBER

0402025919

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

ACHYUT G PATEL  
729 QUEEN ELIZABETH DR  
VIRGINIA BEACH, VA 23452



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Gordon N. Dixon, Director

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DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION  
COMMONWEALTH OF VIRGINIA

EXPIRES ON  
06-30-2014

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

NUMBER  
0402050031

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

AMANDA GALLAGHER  
VHB  
4500 MAIN STREET  
TWO COLUMBUS CENTER SUITE 400  
VIRGINIA BEACH, VA 23462



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Gordon N. Dixon, Director

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(POCKET CARD)

COMMONWEALTH OF VIRGINIA

BOARD FOR PROFESSIONAL ENGINEERS  
PROFESSIONAL ENGINEER LICENSE  
NUMBER: 0402050031 EXPIRES: 06-30-2014

AMANDA GALLAGHER  
VHB  
4500 MAIN STREET  
TWO COLUMBUS CENTER SUITE 400  
VIRGINIA BEACH, VA 23462



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DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION  
9960 Mayland Dr., Suite 400, Richmond, VA 23233

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## ATTACHMENT 3.3.1

### KEY PERSONNEL RESUME FORM



**Brief Resume of Key Personnel anticipated for the Project.**

a. Name & Title:

**Joseph Mattlin**

Vice President - Construction

b. Project Assignment:

**Design-Build Project Manager**

Name of Firm with which you are now associated:

**Vecellio & Grogan, Inc.**

d. Years experience: With this Firm 33 Years With Other Firms 11 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

**Vecellio & Grogan, Inc.** Vice President – Construction 2003 - Present

As VP of Construction responsibilities include acquiring, planning, scheduling, and managing multiple projects in West Virginia, North Carolina and Virginia. Duties include selection of projects to pursue, oversight of the marketing and estimating process, staffing projects with the appropriate labor resources, ensuring sufficient equipment resources are dedicated to the projects, and oversight of the project management functions including planning, scheduling, analysis of cost versus budget, and safety. More specifically, responsibilities are to provide the owners with a quality project that is completed on-time and within budget. Responsibilities to V&G, its shareholders, and employees are to meet or exceed the owner's expectations as described above, ensure fair and timely compensation for our work, complete the work within the budget parameters established for the project, and do all of this within the framework of one of the industry's best safety programs. Additionally, responsible for coordination of the efforts of various internal departments within V&G as they relate to projects, including equipment, accounting and payroll, structures, and paving.

**Triangle Grading and Paving, Inc.** Area Manager 2001 – 2003

Joined Triangle Grading as Area Manager for its Eastern North Carolina Division in 2001. In this position was responsible for the overall management of multiple projects in the area. These responsibilities included ensuring adequate staffing with the proper labor and equipment resources, oversight of the planning and scheduling process delegated to the project personnel, managing budget to cost, and serving as the company's primary point of contact with the owners. Also charged with completing projects on-time, within budget, while meeting or exceeding the owner's quality expectations. In addition to managing several construction projects concurrently, also managed a commercial sand dredging operation for the company.

**Vecellio & Grogan, Inc.** Project Manager 1994 – 2001

Project Managers for V&G serve as the primary company point of contact for the owners. Duties included ensuring compliance with the owner's project specific requirements and all local, state, and federal regulations; developing and maintaining project schedules; securing local work forces; coordinating V&G work with that of its subcontractors; procurement of materials required for the project; ensuring proper equipment maintenance; monitoring cost to budget; and, most importantly, ensuring that all work was completed safely in accordance with company and owner safety programs. Responsible for communications and coordination with local agencies and residents. Completed projects included major earthmoving, rock excavation, drilling & blasting, bridges, retaining walls, storm drain construction, erosion control, base stone, and paving items. Additionally, all of the projects included maintenance of traffic work, and some of them included significant traffic control activities.

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

Virginia Tech Transportation Construction Management Institute, 2004. Various training for erosion and sedimentation control certifications in both VA and NC. OSHA competent person, excavation. MSHA miner certification.

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

VDOT Erosion & Sedimentation Control #4610C, NCDOT Level I and Level II Erosion & Sedimentation Control. OSHA competent person certification for excavation. Certification by MSHA as a Miner.

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.)**

**NCDOT US 64 Bypass Project - \$42 Million and NCDOT I-540 Wake Expressway Project - \$70 Million**

As Vice President was responsible for the overall management of these two major projects. Upon commencing work in December of 2003, the US 64 project was more than 50% complete. It included 4 major structures – two of these were flyover bridges over I-440. This project included approximately 1.5 miles of new four-lane roadway on new alignment, widening of I-440, ramp connections to I-440, unclassified and borrow excavation, rock excavation adjacent to I-440, major storm drain construction, erosion control in and near environmentally sensitive areas, and significant traffic control activities relative to I-440 and New Hope Road. V&G also acquired a section of the I-540 Wake Expressway Project in July of 2003. Project commenced in September of 2003 and proceeded concurrently with the US 64 Bypass Project until the latter was completed in the summer of 2006. The I-540 project was approximately 8 miles long. It included major grading, rock excavation, drilling & blasting, 10 bridges, concrete and asphalt pavement structures, major storm drain construction, erosion and sedimentation control in and near environmentally sensitive areas, and a complex traffic control plan providing for construction with minimal traffic impacts

*Vecellio & Grogan, Inc.* *2003 - Present*

**Various Projects in North Carolina (NCDOT; City of Wilmington, NC; City of Jacksonville, NC; and EMJ Development)**

As Area Manager, Mr. Mattlin was responsible for the overall management and performance of company resources assigned to the Eastern North Carolina Region. Managed a commercial sand dredging operation. Served as the company point of contact with the various owners of these projects as well as with any local or other outside agencies. During this period, the construction projects included a grading subcontract for an \$80 million I-140 Bypass Project in Wilmington, NC; major grading work on a \$115 million Martin Luther King Parkway Project in Wilmington, NC; a prime contract for a \$30 million section of the US 17 Bypass Project in Jacksonville, NC; coordination of seven underground water and sewer installation crews working in numerous locations; and site work for a \$66 million commercial development.

*Triangle Grading and Paving, Inc.* *2001 - 2003*

**US Route 221 NCDOT Project 6.879001B near Linville, NC in McDowell County**

As Project Manager for this \$16 million project, Mr. Mattlin was responsible for all aspects of the on-site management. Specific responsibilities for this project included acquiring the local work force, scheduling, coordination of all subcontractors, functioning as the main point of contact between the company and NCDOT as well as all of the local agencies, procurement of materials, managing cost to budget, and ensuring payment from NCDOT for work put in place. This 3.7 mile major widening project initially included 2,560,000 CYD of excavation, but that was subsequently increased to more than 3,000,000 CYD. The project included more than 1 million CYD of rock excavation, most of it adjacent to and above the existing roadway that had to be kept open to traffic. Major subcontracts for the project included construction of 6 box culverts and asphalt paving. The project featured a complex traffic control plan to ensure minimal disruption to local and through traffic on Route 221. Despite the additional excavation added to this project, it was still substantially complete in the same calendar year as the original completion date.

*Vecellio & Grogan, Inc.* *2000 - 2001*

**VDOT Smart Highway – Project No. IVHS-060-101, C501, B601, B602 in Montgomery Co., VA**

This project was particularly challenging because of the necessity of dealing with all of the design revisions in addition to the normal functions of a V&G Project Manager as enumerated on the Linville Project above. Based on the initial design, this project was awarded as a \$17.2 million project with approximately 2.9 million CYD of excavation. After work was well underway, it became apparent that the near-vertical cut slopes were not stable. The cut slopes were re-designed on flatter slopes and construction commenced at the top a second time. Soon it became apparent that the flatter slopes were also not stable and the slopes were re-designed once more, principally to a 2:1. As a result of these changes, the project eventually grew to more than 5 million CYD and \$36 million. The project length was approximately 1.5 miles and included a box culvert, bridges, storm drainage, erosion and sedimentation control in and near environmentally sensitive areas, and concrete paving using several different paving typical sections. All of this work was completed in an urban area. In spite of all the re-design issues, the project was substantially complete only about 1 year later than the original completion date, and no liquidated damages were assessed. This project was a high visibility project being used as a research laboratory, which made the function of being the principal local company contact somewhat more challenging than normal.

*Vecellio & Grogan, Inc.* *1997 - 2000*

**VDOT Norton Bypass Project**

Project Manager for this \$21.5 million project that included nearly 1.8 miles of new four-lane highway on new alignment. Responsible for daily oversight of work activities included construction of a large box culvert, three bridges and significant rock excavation. This project received the Governor's Excellence in Construction Award.

*Vecellio & Grogan, Inc.* *1993 - 1994*

# ATTACHMENT 3.3.1

## KEY PERSONNEL RESUME FORM



<b>Brief Resume of Key Personnel anticipated for the Project.</b>	
a. Name & Title:	<b>Fred Crozier, PE</b> Quality Assurance Manager
b. Project Assignment:	<b>Quality Assurance Manager</b>
c. Name of Firm with which you are now associated:	<b>Alpha Corporation</b>
d. Years experience: With this Firm <u>12</u> Years With Other Firms <u>7</u> Years Please list chronologically (most recent experience first) your employment history, position and general experience or fields of practice for the last fifteen(15) years. (NOTE: If you have less than 15 years of experience, please list all of your experience for those years you have worked)	<b>Alpha Corporation July 2007 – Present</b> Quality Assurance Manager, Quality Assurance Manager on several VDOT Design/Build projects. <b>Johnson, Mirmiran &amp; Thompson, February 2005 to January 2007</b> Branch Manager for West Virginia <b>Maryland State Highway Administration, District 6</b> District Engineer, 1997 to 2004: Directed SHA’s activities in Western Maryland Assistant District Engineer Maintenance, 1995 to 1997: Managed maintenance activities for District 6
e. Education: Name & Location of Institution(s)/Degree(s)/Year/Specialization:	West Virginia University, Morgantown, WV/B.S./1984/Civil Engineering
f. Active Registration: Year First Registered/ Discipline/VA Registration #:	1996 / Professional Engineer / VA / 0402-045291
g. Document the extent and depth of your experience and qualifications relevant to the Project. 1. <i>Note your specific responsibilities and authorities for each assignment, not those of the firm.</i> 2. <i>Note whether experience is with current firm or with other firm.</i> 3. <i>Provide beginning and end dates for each assignment.</i> <b>(List at least three (3), but no more than five (5) relevant projects for which you have performed a similar function.)</b>	<b>Route 28 &amp; Innovation Avenue Interchange Design/Build Project, VDOT, Dulles, VA</b> Responsible Charge Engineer responsible for providing general oversight for QA inspection and testing of all materials used and work performed on the Project. Includes monitoring the contractor’s QC activities, ensuring that all work and materials, testing and sampling is performed in conformance with contract requirements and the “approved for construction” plans. As alternate QAM, participated in meetings with project stakeholders, documentation review of construction inspection and materials control. This is a \$12 million construction project expanding the Route 28 interchange to a full interchange. <i>Alpha Corporation Sept2011 / Sept 20012</i> <b>Pacific Boulevard Design/Build Project, VDOT, Dulles, VA</b> Quality Assurance Manager, responsible for QA inspection and testing of all materials used and work performed on the Project to including monitoring of the contractor’s QC activities Ensuring that all work and materials, testing and sampling is performed in conformance with contract requirements and the “approved for construction” plans. This \$19 million project extends Pacific Boulevard for ½ mile from Severn Way to Autoworld Drive, up and over the W&OD Railroad Regional Park and across Cabin Branch. <i>Alpha Corporation Feb 2009 / Summer 2010</i> <b>US 50 Design/Build Project at Gilbert’s Corner, VDOT, Loudoun County, VA</b> Quality Assurance Manager, responsible for QA inspection and testing of all materials used and work performed on the Project, including monitoring the contractor’s QC activities Ensuring that all work and materials, testing and sampling is performed in conformance with contract requirements and the “approved for construction” plans. Also participated in meetings with project stakeholders, documentation review of construction inspection and materials control. This project involves the construction of a new connector road and four roundabouts. <i>Alpha Corporation May 2008 / Fall 2009</i>

**Brief Resume of Key Personnel anticipated for the Project.**

**Battlefield Parkway Design/Build Project, VDOT, Leesburg, VA**

Quality Assurance Manager Responsible for QA inspection and testing of all materials used and work performed on the Project to including monitoring of the contractor's QC activities. Ensuring that all work and materials, testing and sampling is performed in conformance with contract requirements This is new \$35 million segment of the Parkway 4-lane divided highway with parallel 10-foot shared-use path.

*Alpha Corporation*

*Dec 2008 / Dec 2009*

**ATTACHMENT 3.3.1**

**KEY PERSONNEL RESUME FORM**



<b>Brief Resume of Key Personnel anticipated for the Project.</b>	
a. Name & Title:	<b>Tyson N. Rosser, PE</b> Senior Project Manager
b. Project Assignment:	<b>Design Manager / Roadway Design Engineer</b>
c. Name of Firm with which you are now associated:	<b>Vanasse Hangen Brustlin, Inc.</b>
d. Years experience: With this Firm <u>12</u> Years With Other Firms <u>7</u> Years Please list chronologically (most recent experience first) your employment history, position and general experience or fields of practice for the last fifteen(15) years. (NOTE: If you have less than 15 years of experience, please list all of your experience for those years you have worked	<b>Vanasse Hangen Brustlin</b> <i>April 2001 to Present</i> Senior Project Manager, Principal Roadway and bridge design engineer. Responsible for roadway design, maintenance of traffic plans, signing and pavement marking plans. Responsible for bridge design projects including highway and rail structures. Management responsibilities for multi-disciplinary transportation design and design-build projects. <b>Modjeski and Masters</b> <i>July 1994 to April 2001</i> Project Engineer Bridge design engineer. Responsible for designing all components of bridge replacement/rehabilitation projects including pre-stressed concrete girders, steel girders, pile supported foundations, spread footing foundations, and bearings.
e. Education: Name & Location of Institution(s)/Degree(s)/Year/Specialization:	Bucknell University / B.S. / 1994 / Civil Engineering
f. Active Registration: Year First Registered/ Discipline/VA Registration #:	2005 / Professional Engineer / VA / 41066 VDOT Advanced Work Zone Traffic Control / 12180845
g. Document the extent and depth of your experience and qualifications relevant to the Project. 1. <i>Note your specific responsibilities and authorities for each assignment, not those of the firm.</i> 2. <i>Note whether experience is with current firm or with other firm.</i> 3. <i>Provide beginning and end dates for each assignment.</i> <b>(List at least three (3), but no more than five (5) relevant projects for which you have performed a similar function.)</b>	<b>APM Terminals Interchange and Roadway Improvements, VDOT, Portsmouth, VA</b> Design Manager for this design-build contract that included the coordination of the design of a new interchange and ancillary roadways to support the construction of the new APM Terminal facility in the City of Portsmouth. Responsibilities required close coordination of the multiple disciplines involved on this project including the highway design, drainage design, traffic analysis/design, structural design, and geotechnical investigation to meet the needs of this fast-paced design-build project. <i>Vanasse Hangen Brustlin, Inc. Nov 2004/Dec 2006</i> <b>Gilbert's Corner Rt 50 Traffic Calming Project, VDOT, Loudoun County, VA</b> A design-build project that incorporates four roundabouts into the heavily traveled Routes 50 and 15 in Loudoun County. Design responsibilities included the development of roundabout geometry, drainage design, and detailed maintenance of traffic phases. An innovative construction staging plan was developed to minimize impacts to the traveling public during construction and, ultimately, influenced the final design, introduced drivers to roundabouts, and provided operational and safety enhancements. <i>Vanasse Hangen Brustlin, Inc. Aug 2007/Dec 2009</i>

**I-81 Staunton Truck Climbing Lanes, VDOT, Staunton, VA**

Design responsibilities for developing the preliminary design plans to be used for a design-build program that would add seven miles of truck climbing lanes to existing Interstate 81. In addition to interstate design, responsibilities included field inspection of drainage facilities and the development of the drainage design, detailed maintenance of traffic plans, defining construction limits for right-of-way needs, and the avoidance/minimization of proposed right-of-way impacts. Additional responsibilities included the participation in the public hearing.

*Vanasse Hangen Brustlin, Inc.*

*June 2007/Dec 2007*

**I-77/I-81 Overlap Environmental Impact Statement, VDOT, Wytheville, VA**

Responsible for preliminary engineering to support the development of an environmental impact statement documenting potential corridor improvements that would improve capacity through the co-located I-77/I-81 corridor near Wytheville, VA. Working closely with VHB's environmental team, new corridor alignments and widening alternatives were developed to minimize impacts to the surrounding communities and environmental features. Responsibilities also included the development of conceptual interchanges between the two facilities and the cost estimating of the alternatives.

*Vanasse Hangen Brustlin, Inc.*

*July 2008/Oct 2011*

**Middle Ground Boulevard Extension, VDOT, Newport News, VA**

As part of the overall design team, Mr. Rosser served as project manager for VHB's design tasks that included the development of signal designs for multiple intersections, the design of a sanitary pump station, the topographic and rights-of-way survey, and environmental permitting process for this VDOT design-build project.

*Vanasse Hangen Brustlin, Inc.*

*July 2011/2014*

**ATTACHMENT 3.3.1**

**KEY PERSONNEL RESUME FORM**



<b>Brief Resume of Key Personnel anticipated for the Project.</b>	
a. Name & Title:	<b>Ray Adkins</b> Project Manager
b. Project Assignment:	<b>Construction Manager</b>
Name of Firm with which you are now associated: <b>Vecellio &amp; Grogan, Inc.</b>	
d. Years experience: With this Firm <u>14</u> Years With Other Firms <u>35</u> Years	Please list chronologically (most recent experience first) your employment history, position and general experience or fields of practice for the last fifteen(15) years. (NOTE: If you have less than 15 years of experience, please list all of your experience for those years you have worked <b>Vecellio &amp; Grogan, Inc.</b> Project Manager 1998 – Present Duties include scheduling and coordination of all V&G work-crews and all subcontractors. Serve as the principal company contact with the various project owners and any affected local and/or outside agencies. Ensure documentation and payment for all work put in place including documentation for progress payments and final estimates. Develop, maintain, and update as necessary all project schedules generally using Primavera Scheduling Software. Responsible for ensuring compliance with all company safety procedures and with any owner or general contractor safety programs applicable to the project. Manage job cost as compared to budget. Have successfully completed major construction projects in Virginia and West Virginia and other states consisting of major earthmoving, drill & blasting, bridges, retaining walls, storm drain construction, erosion & sedimentation control, water and sewer, traffic control, and paving – both concrete and asphalt paving. <b>Hilltop Construction Company</b> General Manager 1996 – 1998 Duties included estimating and preparing budgets from successful bids for projects located in West Virginia, Ohio, and Kentucky. In complete control of scheduling all equipment and material to all projects. Prepared subcontracts and coordinated all subcontract work. Managed all project Superintendents and helped them complete excavation, waterline, and sanitary sewer projects on schedule. <b>Geupel Construction Company, Inc.</b> Project Engineer 1993 - 1996 Performed and coordinated engineering duties including cost control, project scheduling, interfaced with owners and subcontractors, tracked daily cost, prepared monthly profit and loss projections, documented work quantities for progress and final pay estimates, developed and updated Primavera Project Planner (P3) for Windows scheduling system for WVDOT projects, scheduled and coordinated all subcontractor work, coordinated delivery of all permanent materials, summarized production data for future estimating, negotiated extra work orders, and preparation and submittal of borrow and waste areas. Assisted with the bidding of selective projects and was instrumental in successful bids in WV, OH, PA, and KY.
e. Education: Name & Location of Institution(s)/Degree(s)/Year/Specialization:	Virginia Tech Transportation Construction Management Institute – 2004. Also have received training for VDOT & VTCA Erosion Control Certification.
f. Active Registration: Year First Registered/ Discipline/VA Registration #:	2000 – VDOT & VTCA Erosion & Sediment Control Certification No. 4011C 2008 – VA Erosion Control Responsible Land Disturber Certificate No. 28693
g. Document the extent and depth of your experience and qualifications relevant to the Project.	1. <i>Note your specific responsibilities and authorities for each assignment, not those of the firm.</i> 2. <i>Note whether experience is with current firm or with other firm.</i> 3. <i>Provide beginning and end dates for each assignment.</i> <b>(List at least three (3), but no more than five (5) relevant projects for which you have performed a similar function.)</b>
<b>Virginia City Hybrid Energy Center in Virginia City, Virginia</b> Performed duties as Project Manager, which included developing and updating weekly P6 schedule that was resource loaded, responsible for hiring local work force which was one of the goals for Virginia Dominion Power the owner of the project, coordination of all V&G crews, V&G Subcontractors, and Shaw Constructors, Inc. subcontractors crews, maintained day to day safety program in accordance with safety department requirements of Dominion Power, Shaw Constructors, and V&G, managed job cost versus budget, negotiated for change orders, ensured prompt payment for work put in place and work in progress, ensured environmental compliance with local and state regulations, and monitored all of these functions to improve safety and productivity. This project was a design build Hybrid Energy	

Power Plant Project designed by Shaw Constructors, Inc. for Virginia Dominion Power, V&G subcontract consisted of Site Preparation & Drainage on a 230 acre site. In total, the project included 1.7 million cubic yards of excavation, design and build 2 bridges, design and build 4,000 lf of retaining walls, and construction of various access roads and interior roads with asphalt paving. The coordination and safety with 9 other subcontractors working in the same area was very complex, and safety and scheduling meetings were required daily. The phases of the project performed by V&G were completed in a timely manner to allow other contractors to perform their work. In spite of change order work amounting to nearly 50% of the contract value, all work was completed on time. The change orders were extensive because the project was bid based on a preliminary set of plans, and the design was completed concurrent with construction operations. V&G's scope of work was significantly increased as the final design progressed.

*Vecellio & Grogan, Inc.*

2007-2009

#### **VDOT Route 288 in Chesterfield County, VA**

Performed duties as Project Manager, which included developing and updating P3 schedule with approximately 300 activities that was resource loaded, responsible for hiring local work force, coordination of all V&G and subcontractor's crews, maintained day to day safety program in accordance with safety department requirements, managed job cost versus budget, negotiated for change orders, ensured prompt payment for work put in place and work in progress, ensured environmental compliance with local and state regulations, and monitored all of these functions to improve safety and productivity. In total, the project included 3.2 million cys of excavation, construction of 7 bridges, four travel lanes plus collector lanes of concrete pavement, asphalt paving, a complex maintenance of traffic plan, and construction interchanges with Route 60 and Woolridge Road. In addition to all of the normal function of a Project Manager as listed above, this project included three additional items. Because of the adjoining PPTA project and a major slide at the base of a major electric transmission tower, numerous design revisions were necessary. These changes included changes in the typical paving sections, a significant profile grade change through a large portion of the project, and major widening of several of the bridge structures. The re-design of the structures resulted in nearly a one-year delay. The coordination with adjoining contractors on this project was somewhat more complex than normal because of the project's proximity to the adjoining PPTA project.

*Vecellio & Grogan, Inc.*

2001-2005

#### **I-17 and I-10 Interchange in Phoenix, AZ for ADOT**

Performed duties as Project Manager, which included complete supervision of underground utilities and storm drainage on four ADOT projects in Phoenix, AZ totaling \$200 million. Developed maintained and updated four project schedules that were resource loaded. Used reports from the resource loading of the schedule to transfer idle men and equipment to another project that was within a 50 mile radius. Responsible for coordination of crews and equipment on four projects, responsible for coordination subcontractors on the projects, maintained day to day safety program in accordance with safety department requirements, managed job cost versus budget, negotiated for change orders, ensured environmental compliance with local and state regulation, and monitored these duties to improve safety and productivity on all the projects. One \$67 million project included widening of I-17 and construction of a flyover interchange with I-10. This major project included grading, major utility construction, storm drains, widening, paving, and major bridge structures. Much of the work on this project was in close proximity to major traffic flows. It was very challenging to coordinate and manage the work so as to provide for the safety of the workers and the public and yet still maintain satisfactory progress.

*Tanner Southwest Construction*

1985 - 1988

#### **WVDOT – A section of US 119 in Charleston, WV**

Performed duties as Project Superintendent, developed maintained and updated schedule, responsible for hiring local work force, responsible for coordination of crews and all subcontractor crews, maintained day to day safety program in accordance with safety department requirements, negotiated for change orders, and ensured environmental compliance with local and state regulations. This \$30 million major highway construction project included 2.6 million cys of rock excavation, two bridges, and four lanes of concrete paving in an urban area. Much of the rock that had to be drilled and blasted was either located above and adjacent to an existing road that had to remain open to traffic or it was in close proximity to a residence or business – in many cases both. This project also featured a complex maintenance of traffic plan consisting of nine separate construction phases. As Project Superintendent was responsible to safely and productively execute this work and manage all subcontractors.

*Holloway Construction Company*

1982 – 1985



**ATTACHMENT 3.4.1(a)**

**LEAD CONTRACTOR - WORK HISTORY FORM**

**(LIMIT 1 PAGE PER PROJECT)**



a. Project Name & Location	b. Name of the prime design consulting firm responsible for the overall project design.	c. Contact information of the Client or Owner and their Project Manager who can verify Firm's responsibilities.	d. Contract Completion Date (Original)	e. Contract Completion Date (Actual or Estimated)	f. Contract Value (in thousands)		g. Dollar Value of Work Performed by the Firm identified as the Lead Contractor for this procurement.(in thousands)
					Original Contract Value	Final or Estimated Contract Value	
Name: <b>Route 288 Construction at the US 60 Interchange</b> Location: <b>Chesterfield County, Virginia</b>	Name: <b>Greenhorne &amp; O'Mara, Consulting Engineers</b>	Name of Client./ Owner: <b>VDOT</b> Phone: <b>804-897-6309</b> Project Manager: <b>Gene Martin</b> Phone: <b>804-897-6309</b> Email: <b>gmartin@greenhorne.com</b>	<b>7/01/2003</b>	<b>10/28/2005</b> *Scope revisions & design delays	<b>\$47,637</b>	<b>\$60,427</b>	<b>\$60,427</b>

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.

PROJECT DELIVERY METHOD: Design-Bid-Build

SPECIFICATIONS: Construction of new roadway on new alignment including four travel lanes and collector lanes. Project included concrete and asphalt pavements.

PROJECT DESCRIPTION: This major project began as a \$47 million contract with the Virginia Department of Transportation, but quickly expanded to include two additional subcontracts for portions of the adjoining projects. Ultimately, due to numerous plan revisions required to accommodate the adjoining Route 288 PPTA Project, this grew to become a \$60 million project. The project included 3.3 million cubic yards of excavation, construction of seven bridges, and construction of an interchange with Route 60 (Midlothian Turnpike). The project featured a complex maintenance of traffic to provide for the maintenance of traffic on Route 60 and several other roadways that crossed the new alignment of Route 288.

This Project suffered from unplanned changes to the work from the very start. Notice to proceed with construction of several major bridges was delayed for nearly a year to allow time for VDOT to re-design them. This re-design was necessary to provide wider bridges that would accommodate the traffic from the adjoining PPTA project. Additionally, numerous slides throughout the length of the project affected progress. Most of these slides were nuisances and were removed or repaired without significantly affecting the completion date of the project. However, one major slide was located at the base of a electric transmission tower. Designing and constructing the fix for this slide significantly delayed the project. The re-design raised the profile grade for a long section of the new mainline to protect the transmission tower. Additionally, repair of the slide was accomplished in small increments to avoid affecting stability of the tower, but this altered method dramatically affected productivity. Ultimately, the project was complete and opened to traffic at about the same time as the adjoining PPTA project.

**Relevance to the 1-64 Widening and Route 623 Interchange Improvement Project:**

- Ray Adkins, the proposed Construction Manager for I-64, was the PM for this project.
- The many last-minute changes helped hone design-build-like experience.
- Interchange construction displays ability to work productively and safely in traffic.
- Included 3rd party CEI inspection, similar to a design-build project.
- Necessitated close coordination with several adjoining contractors.



**ATTACHMENT 3.4.1(a)**

**LEAD CONTRACTOR - WORK HISTORY FORM**

**(LIMIT 1 PAGE PER PROJECT)**



a. Project Name & Location	b. Name of the prime design consulting firm responsible for the overall project design.	c. Contact information of the Client or Owner and their Project Manager who can verify Firm's responsibilities.	d. Contract Completion Date (Original)	e. Contract Completion Date (Actual or Estimated)	f. Contract Value (in thousands)		g. Dollar Value of Work Performed by the Firm identified as the Lead Contractor for this procurement.(in thousands)
					Original Contract Value	Final or Estimated Contract Value	
Name: <b>Knightdale Bypass</b> Location: <i>Wake County, NC</i>	Name: <b>NCDOT Design Services Unit</b>	Name of Client./ Owner: <b>NCDOT</b> Phone: <b>919-715-5782</b> Project Manager: <b>Steve Leonard</b> Phone: <b>919-715-5782</b> Email: <b>sbleonard@ncdot.gov</b>	<b>12/2004</b>	<b>06/2005</b> *Scope revisions increased completion time.	<b>\$40,364</b>	<b>\$42,615</b>	<b>\$42,615</b>

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.

PROJECT DELIVERY METHOD: Design-Bid-Build

SPECIFICATIONS: Construction of new four-lane divided highway with bridges.

PROJECT DESCRIPTION: This 1.1 miles of new four-lane divided highway included completion of concrete paving, major utility relocations, excavation and borrow, drainage, and construction of five steel-girder bridges. Bridges constructed included: Two (2) 1,600', nine-span flyover bridges; One (1) 800', five-span interstate ramp; and Two (2) 300', two-span overpass bridges. These bridges were constructed working over traffic on existing I-540 and provided the critical link between the US-64 Bypass and I-440 Beltline. During construction, NCDOT produced major design changes to the widening portion of I-440 and the New Hope Road interchange, including adding additional travel lanes to the median of I-440. V&G worked proactively with NCDOT to accommodate their requests. This additional work delayed the completion of the project by nearly six months but through open communication and a partnering environment between V&G and NCDOT, the time impact was able to be minimized. Despite these delays, the project was opened for traffic in conjunction with the adjoining sections of the US-64 Bypass. This completed the vital access between the city of Raleigh, NC and the Knightdale suburb – significantly reducing commuter traffic and reducing travel times.



**Relevance to the 1-64 Widening and Route 623 Interchange Improvement Project:**

- The last minute change adding travel lanes in the median of I-440 demonstrate design-build-like experience.
- Median work in I-440 demonstrates work similar to I-64 added lanes.
- Demonstrates ability to work safely and productively in heavy traffic volumes.

**ATTACHMENT 3.4.1(a)**

**LEAD CONTRACTOR - WORK HISTORY FORM**

**(LIMIT 1 PAGE PER PROJECT)**



a. Project Name & Location	b. Name of the prime design consulting firm responsible for the overall project design.	c. Contact information of the Client or Owner and their Project Manager who can verify Firm's responsibilities.	d. Contract Completion Date (Original)	e. Contract Completion Date (Actual or Estimated)	f. Contract Value (in thousands)		g. Dollar Value of Work Performed by the Firm identified as the Lead Contractor for this procurement.(in thousands)
					Original Contract Value	Final or Estimated Contract Value	
Name: <b>East Beckley Bypass / Grey Flats Road</b> Location: <b>Raleigh County, West Virginia</b>	Name: <b>L.A. Gates Company</b>	Name of Client./ Owner: <b>West Virginia Department of Transportation – Division of Highways</b> Phone: <b>304-487-5270</b> Project Manager: <b>Jennifer Belcher</b> Phone: <b>304-487-5270</b> Email: <b>Jennifer.A.Belcher@wv.gov</b>	<b>8/30/2011</b>	<b>11/19/2011</b> *WVDOT generated change order to increase scope of work.	<b>\$19,818</b>	<b>\$31,040</b>	<b>\$31,040</b>

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.

PROJECT DELIVERY METHOD: Design-Bid-Build

SPECIFICATIONS: Construction of 1.5 miles of new 4-lane highway including new connector roads, bridge, off right-of-way waste site development, and reinforced soil slope walls.

PROJECT DESCRIPTION: This project included 220,000 cubic yards of drilling and blasting adjacent to a residential / school area, approximately 370,000 cys of total excavation, 1248' long x 220' high bridge over Cranberry Creek, over 9,000 linear feet of storm drainage, nearly 33,000 square yards of reinforced soil slope wall, and rain garden.

Mid-way through construction, WVDOT amended V&G's contract to include additional excavation, retaining walls, drainage, intersection construction, and final paving of what had been a grade and drain project. This additional \$10 million in work was added while adding only 2.5 months to the original completion date of the project even though V&G had suffered a 2-month delay early in the project because of a major flood event. V&G was able to meet this challenge through accelerating bridge construction while concurrently working on the roadway construction.

**Relevance to the 1-64 Widening and Route 623 Interchange Improvement Project:**

- Demonstrates close coordination with the highway department in a partnering atmosphere.
- Demonstrates the ability to bring a project in on-time in spite of delays in right-of-way acquisition and a nearly \$10 million scope addition.
- Demonstrates design-build-like skills in successfully completing the revised scope of work within the original completion time.



**ATTACHMENT 3.4.1(b)**

**LEAD DESIGNER - WORK HISTORY FORM**

**(LIMIT 1 PAGE PER PROJECT)**



a. Project Name & Location	b. Name of the prime/ general contractor responsible for overall construction of the project.	c. Contact information of the Client and their Project Manager who can verify Firm's responsibilities.	d. Construction Contract Completion Date (Original)	e. Construction Contract Completion Date (Actual or Estimated)	f. Contract Value (in thousands)		g. Design Fee for the Work Performed by the Firm identified as the Lead Designer for this procurement.(in thousands)
					Construction Contract Value (Original)	Construction Contract Value (Actual or Estimated)	
Name: <b>I-81 Corridor EIS and Truck Climbing Lanes</b>  Location: <b>Lexington, VA</b>	Name: <b>W.C. English</b>	Name of Client.: <b>VDOT Staunton District</b> Phone: <b>540-332-9075</b> Project Manager: <b>Michael Branscome</b> Phone: <b>540-332-9075</b> Email: <b>michael.branscome@vdot.virginia.gov</b>	<b>Summer 2013</b>	<b>Summer 2013</b>	<b>\$74,213</b>	<b>\$74,213</b>	<b>\$1,640</b>

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 2003, the Virginia Department of Transportation (VDOT) selected VHB/Vanasse Hangen Brustlin, Inc. to investigate potential capacity and safety improvements along the 325-mile I-81 corridor. VHB prepared a Tier 1 Environmental Impact Statement (EIS), which explored a wide range of improvement concepts, including opportunities to physically separate trucks and passenger vehicles, the ability to move freight onto rail, and various tolling scenarios. As part of this project, VHB was tasked to develop a more detailed study (Tier 2) for high-priority sections along I-81, including the environmental document and preliminary roadway design plans for a 7-mile truck climbing lane between mileposts 195.1 and 202.5 north of Lexington, Virginia. VHB led the design team that prepared the 30% design plans for VDOT to use as the base plans in a design-build procurement process.

VHB's design responsibilities included the widening of I-81 to the outside, adjusting interchange ramps to accommodate the new lane, developing preliminary bridge widening plans for the mainline bridges, preliminary sizing and location of stormwater management facilities, and developing detailed maintenance of traffic plans. As part of the design process, VHB successfully modified the roadway design to avoid impacts to historic properties and coordinated a memorandum of agreement between VDOT and the Virginia Department of Historic Resources for impacts to a cemetery within existing VDOT right-of-way.

**VHB Design Offices:** Virginia Beach, Williamsburg, Richmond.  
**VHB's Role:** Prime Designer.

**Relevance to the 1-64 Widening and Route 623 Interchange Improvement Project:**

- VHB's proposed Design Manager for the I-64 widening was the lead designer for the design-build documents prepared for VDOT.
- VHB designed the preliminary plans for widening of I-81, a heavily traveled corridor similar to this section of I-64.



**Highlights**

- Prepared 30% design plans for 7-miles of truck climbing lanes on I-81 for VDOT to use as the base plans in a design-build procurement process
- Completed Tier 2 EIS documentation for the 7-mile truck climbing lanes
- Completed a Tier 1 EIS to investigate potential capacity and safety improvement to a 325-mile corridor of I-81

**ATTACHMENT 3.4.1(b)**

**LEAD DESIGNER - WORK HISTORY FORM**

**(LIMIT 1 PAGE PER PROJECT)**



a. Project Name & Location	b. Name of the prime/ general contractor responsible for overall construction of the project.	c. Contact information of the Client and their Project Manager who can verify Firm's responsibilities.	d. Construction Contract Completion Date (Original)	e. Construction Contract Completion Date (Actual or Estimated)	f. Contract Value (in thousands)		g. Design Fee for the Work Performed by the Firm identified as the Lead Designer for this procurement.(in thousands)
					Construction Contract Value (Original)	Construction Contract Value (Actual or Estimated)	
Name: <b>Design-Build Services for Route 50 Roadway Improvements Project (Gilberts Corner)</b> Location: <b>Loudoun County, VA</b>	Name: <b>The Lane Construction Corporation</b>	Name of Client.: <b>VDOT</b> Phone: <b>703-383-2394</b> Project Manager: <b>Brian Fry</b> Phone: <b>703-383-2394</b> Email: <a href="mailto:brian.fry@vdot.virginia.gov">brian.fry@vdot.virginia.gov</a>	<b>March 2010</b>	<b>Fall 2009</b>	<b>\$13,400</b>	<b>\$13,400</b>	<b>\$1,900</b>

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.

Spanning a 20-mile corridor of Route 50 from Paris in Fauquier County to Lenah in Loudoun County, the project focused on traffic and pedestrian safety, context sensitive design, rural traffic calming, scenic and historic preservation, and also involved extensive public participation. The team of VHB/Vanasse Hangen Brustlin, Inc. and Lane Construction were responsible for the 1.2 mile Gilberts Corner section of Route 50 in Loudoun County. This section of the project included construction of four roundabouts at or near the existing intersection of Route 50 and Route 15 and construction of a new roadway between Route 50 and Route 15.

As the design lead, VHB designed the roadway based on a preliminary concept plan developed by VDOT. VHB made substantive alterations to the original concept plan that provided both operational and safety enhancements. In addition, VHB also developed an innovative construction staging plan that positively influenced the final design to be implemented, and introduced the drivers of Virginia to roundabouts. VHB was responsible for acquiring all related environmental permits and for providing right-of-way acquisition design services. This comprehensive design-build project also relied on VHB to perform utility relocation design services, construction phase design services, and structural services for permanent structures.

**VHB Design Offices:** Virginia Beach, Williamsburg, Richmond, Tysons Corner.

**VHB's Role:** Prime Designer, Subconsultant to Lane Construction Corp.

**Relevance to the I-64 Widening and Route 623 Interchange Improvement Project:**

- ➔ VHB has proven Design Build experience as the Lead Designer.
- ➔ VHB's proposed Design Manager for the I-64 widening was integral to the design development of Gilberts Corner.
- ➔ VHB developed a creative and detailed TMP for this heavily traveled corridor that minimized disruption to the public.
- ➔ VHB contributed to an extensive Public Awareness Program and Outreach for VDOT that introduced the public to the changing traffic patterns and the use of roundabouts.



**Highlights**

- The VHB/Lane Team was responsible for completing this design-build project from concept through construction
- American Council of Engineering Companies National Finalist 2010 ACEC Engineering Excellence Awards
- American Council of Engineering Companies of Metropolitan Washington HONOR AWARD WINNER in the Design category for the 2009-2010 ACEC/MW Engineering Excellence Awards
- Northern Virginia Community Appearance Award 2010
- Virginia Transportation Construction Alliance (VTCA) 2010 Engineering Excellence Award

**ATTACHMENT 3.4.1(b)**

**LEAD DESIGNER - WORK HISTORY FORM**

**(LIMIT 1 PAGE PER PROJECT)**



a. Project Name & Location	b. Name of the prime/ general contractor responsible for overall construction of the project.	c. Contact information of the Client and their Project Manager who can verify Firm's responsibilities.	d. Construction Contract Completion Date (Original)	e. Construction Contract Completion Date (Actual or Estimated)	f. Contract Value (in thousands)		g. Design Fee for the Work Performed by the Firm identified as the Lead Designer for this procurement.(in thousands)
					Construction Contract Value (Original)	Construction Contract Value (Actual or Estimated)	
Name: <b>Roadway Improvements to Support APM Terminal</b>  Location: <b>Portsmouth, VA</b>	Name: <b>Skanska USA Civil Southeast (formerly Tidewater-Skanska)</b>	Name of Client.: <b>VDOT Hampton Roads District</b> Phone: <b>757-494-5472</b> Project Manager: <b>Robert Morgan</b> Phone: <b>757-494-5472</b> Email: <b>robert.morgan@vdot.virginia.gov</b>	<b>Design Completed September 2005</b>	<b>December 2006</b>	<b>\$22,000</b>	<b>\$22,000</b>	<b>\$3,135</b>

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.

When A.P. Moeller-Maersk sought to expand its facilities in Portsmouth and build the first privately developed U.S. container terminal, the roads and bridges leading to the site were found to be insufficient. The Virginia Department of Transportation quickly responded to this need by advertising for the Commonwealth's first roadway design-build contract.

Skanska was awarded the project with VHB as the team's Lead Designer. Design services included the location and design of a new diamond interchange on Route 164 and the design of the supporting roadways. Importantly, a detailed maintenance of traffic plan was developed to maintain through-traffic on the existing Route 164 and to maintain access for local businesses, residential areas and to the Coast Guard Base in Hampton Roads. Significant right of way and permitting challenges were managed in tandem with the project design and construction. In addition to the highway improvements, the design included two new bridges; relocation of 2,800 feet of roadway, drainage, and utility segments; pavement design to accommodate significant truck loads; and wetland/waterway impact mitigation.

Design of this \$22 million interchange was initiated in December 2004, construction began in August 2005, all major design elements were completed in September 2005 and construction was completed in December 2006. Working closely with VDOT and APM Terminals, VHB was able to develop a design that met the needs of the port while balancing the impacts to surrounding community and worked with Skanska throughout construction to help ensure this important project was completed on time and on budget.

**VHB Design Offices:** Virginia Beach, Williamsburg, Richmond, Tysons Corner.

**VHB's Role:** Prime Designer, Subconsultant to Tidewater-Skanska

**Relevance to the 1-64 Widening and Route 623 Interchange Improvement Project:**

- VHB has proven Design Build experience as the Lead Designer.
- VHB's proposed Design Manager for the I-64 widening was the Design Manager for this project.
- VHB developed a TMP plan that maintained 4 lanes of traffic while constructing the new bridges.



**Highlights**

- Virginia DOT's first solicited design-build roadway project involved relocation and extension of a limited access highway, local roadway, and utilities to enable ready access to a vital container port
- Design elements included:
  - Horizontal/vertical geometry improvements to raise Rt-164 approx. 25'.
  - Detailed TMP plans to keep existing Rt-164 fully operational during construction
  - Pavement design to accommodate significant truck traffic.



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