

ORIGINAL

# FAULCONER

CONSTRUCTION COMPANY



## ROUTE 3 WIDENING RFQ NUMBER: C00014657DB56

CULPEPER COUNTY, VA



### Submitted By:

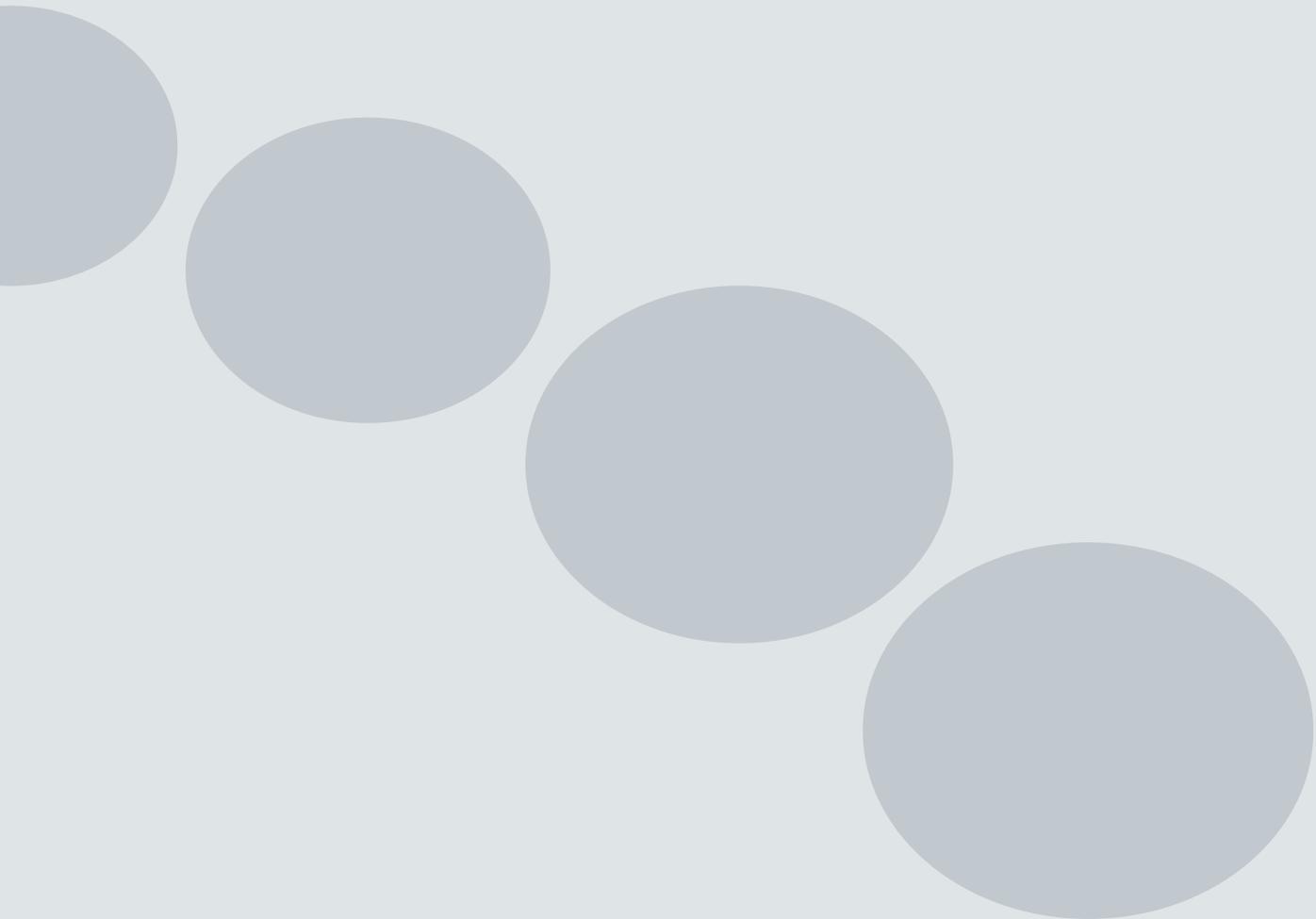
Falconer Construction Company  
2496 Old Ivy Road  
Charlottesville, VA 22903  
Phone: 434.295.0033  
Fax: 434.295.0508  
[www.falconerconstruction.com](http://www.falconerconstruction.com)

### In Association With:

Timmons Group, Inc.  
1001 Boulders Parkway, Suite 300  
Richmond, VA 23225  
Phone: 804.200.6500  
Fax: 804.560.1016  
[www.timmons.com](http://www.timmons.com)

# SECTION 3.2

## Letter of Submittal





**Section 3.2.6 Affiliates and Subsidiaries**

Faulconer Construction is affiliated with the following three companies:

- Sanford Aviation, LLC, 2496 Old Ivy Road, Charlottesville, VA 22903
- Murphy Environmental & Land Management, LLC, 508 Poor House Road, Murphy, NC 28906
- CS Jackson LLC *dba* CS Construction, 1921 Youngs Road, Vass, NC 28394

**Section 3.2.7 Debarment Status**

Certifications for Debarment for both Primary Covered Transactions and Lower Tier Covered Transactions have been completed and executed for the Offeror and all subconsultants, subcontractors, and other entities identified as members of the Faulconer Team. These may be found in Appendix D.

**Section 3.2.8 VDOT Prequalification**

Faulconer Construction’s VDOT prequalification certificate is located in Appendix F of this Statement of Qualifications. Faulconer is currently in good standing, has the bonding ability, and is prequalified to do business with VDOT. Faulconer’s vendor number is F006.

**Section 3.2.9 Evidence of Obtaining Bonding**

Faulconer Construction obtains its bonding from Thomas Rutherford, Inc. Evidence from the surety indicating Faulconer Construction’s ability to obtain a performance and payment bond based on the current estimated contract value is enclosed in Appendix E of this Statement of Qualifications.

**Section 3.2.10 Professional Services Documentation**

A completed Attachment 3.2.10 and evidence of our team’s registrations and licensure is enclosed in Appendix F. Each team member is in compliance with the requirements set forth in Section 3.2.10.

**Section 3.2.11 Disadvantaged Business Enterprises**

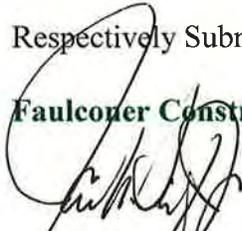
Faulconer Construction is fully committed to meeting or exceeding a twenty percent (20%) DBE participation goal during the design and construction of the project.

The Faulconer Team is committed to safely delivering a high quality project to the Department that is on-time and on budget while maintaining quality and environmental excellence and open lines of communication between all parties.

If you have any questions regarding this Statement of Qualifications please contact me at your convenience. We look forward to the next stage of project procurement and continuing to share our experiences with the Department’s selection panel.

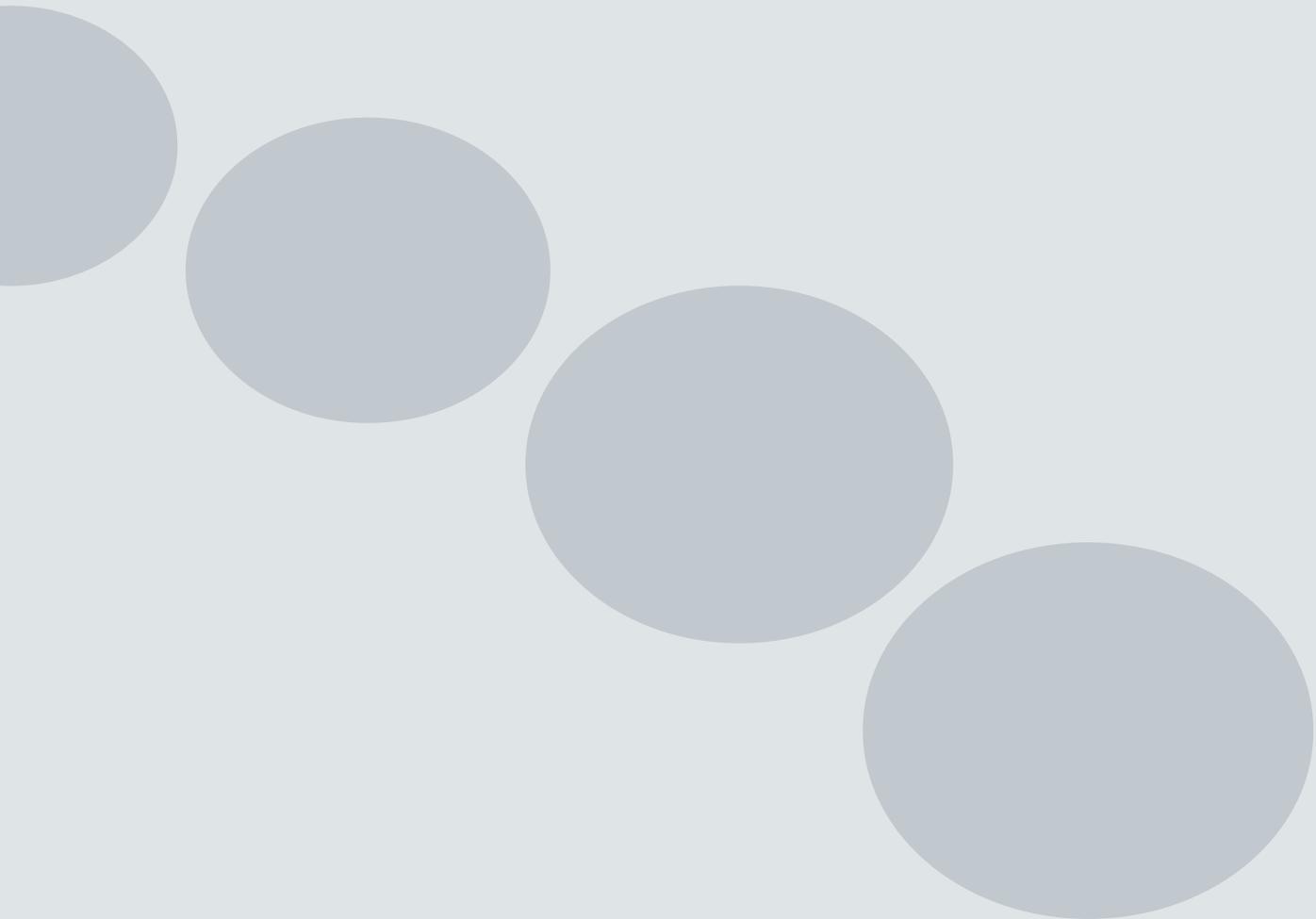
Respectively Submitted,

**Faulconer Construction Company, Inc.**

  
Jack W. Sanford, Jr.  
President

# SECTION 3.3

## Team Structure



### 3.3 TEAM STRUCTURE

#### 3.3.1 Key Team Personnel Identification

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

*Faulconer has brought together a team of first-class construction management, design and quality assurance/quality control firms to the Route 3 Widening Project.* Each firm is an industry leader in their own disciplines as well as very experienced in building highway and transportation infrastructure projects for VDOT and many other agencies throughout the Commonwealth.

The key to success on any project, and more so on design-build projects, is the ability of different firms, practicing different disciplines to effectively collaborate for the greater good of the project and client. The corporate values embodied by both Faulconer Construction Company Inc. (Faulconer) and Timmons Group, Inc., (Timmons), include teamwork. Having worked extensively together on previous projects, and currently on a PPEA design-build project in Louisa County, the team of Faulconer and Timmons are engaged with and committed to one another while serving the long-term best interests of our partners and clients.

**Faulconer Construction Company (Faulconer)** is the lead contractor and will be responsible for managing the overall project, coordinating with VDOT and other stakeholders, supervising construction activities and performing the majority of the construction. Faulconer has the experience and, more importantly, the on-the-job performance record, that has successfully managed and lead transportation projects throughout Virginia and the Carolinas, some of which are identified on the Lead Contractor Work History Form. Faulconer will self-perform all primary roadway construction and augment elements of construction with specialty subcontractors.

**Timmons Group, Inc. (Timmons)** is the lead design firm for the project. They will be responsible for the overall design, coordinating with the design-build team to ensure compliance with federal, state and local regulatory requirements, and managing the other design consultants. Timmons will also provide: utility coordination; geotechnical design; drainage and stormwater management; survey and mapping; environmental services, including permitting, and lead the team's public/stakeholder involvement efforts, proactively communicating within the team, VDOT and other key stakeholders including local government, regulatory agencies, residents and business owners.

**EBA Engineering, Inc. (EBA)** will be providing Quality Assurance Management for the project. They will be responsible for ensuring compliance with all of the Department's quality assurance requirements while maintaining a clear independence of the project's construction operations. EBA will also supervise the activities of our team's full-service forensic engineering and quality assurance services laboratory, **Engineering and Materials Technologies, Inc. (E.M. Tech).**

**KDR Real Estate Services, Inc. (KDR)** will be our team's right-of-way acquisition consultant. They are a pre-qualified VDOT right of way consultant and will be responsible for coordinating all right-of-way and easement appraisals, negotiations and acquisition services. KDR will ensure that the acquisition process is in full compliance with all applicable state and federal regulations.

**NXL Construction Services, Inc. (NXL)** will provide quality control testing and inspection services for The Falconer Team. NXL's construction management services include inspection and consultation on all phases of construction. NXL provides oversight of the Quality Control process assuring that an adequate number of the appropriate tests and inspections are correctly performed to ensure the work meets the requirements of the contract documents.

*The Falconer Team's key personnel are:*

**Josh Williamson, Design-Build Project Manager (DBPM)**

Mr. Williamson brings over 15 years of construction experience to the Route 3 Widening project. Mr. Williamson possesses a strong well-rounded operations/project management background and a proven track record for coordinating and integrating multiple disciplines to achieve project goals and objectives. Having been engaged throughout with the I-81 Truck Climbing Lane project since its earliest pre-Statement of Qualification stages, he has proven his leadership and deep understanding of the importance of team collaboration, and was promoted to the project's Construction Manager by the CH2M Hill/Falconer team.

*The professionalism of the (Falconer) project management staff was without compare to any contractor I've worked with in the past 16 years.*

**Kenneth Shirley, Culpeper District Construction Engineer, Virginia Department of Transportation**

**Joshua Middleton, Construction Manager (CM)**

Mr. Middleton brings more than 9 years of construction experience to this project. Mr. Middleton's background, past work experience and education has led to him being an extremely valuable asset to the I-81 Truck Climbing Lane project and the CH2M Hill/Falconer team. With nine years of in-the-field experience, he has proven that he is highly successful at working through the design process to develop plans that minimize cost while maximizing efficiency and safety at all levels. Mr. Middleton encourages and facilitates interaction between design leads and on-site personnel to incorporate constructability and quality in the design process.

*Timmons Group has met expectations by providing accurate and complete plans within the approved schedule and budget. Timmons was very cooperative to VDOT's needs.*

**Dale Totten, PE, Central Region Traffic Engineer, Virginia Department of Transportation**

**Chris Kiefer, PE, Design Manager (DM)**

Mr. Kiefer brings 25 years of professional design experience to the Route 3 Widening project. He is a registered Professional Engineer in the Commonwealth of Virginia with extensive design experience with all primary, secondary and local roadway systems. He and his team have designed projects in a wide variety of situations – from two and four-lane rural roadways, to the widening of existing four and six-lane urban corridors, to complex interstate interchange designs.

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

**Kenneth Shirley, PE, CCM, Quality Assurance Manager (QAM)**

Mr. Shirley is EBA's Operations Manager, responsible for supervising construction engineering and inspection contracts and providing quality assurance/quality control services since October 2011. Mr. Shirley was the VDOT Culpeper District Construction Engineer from February 2006 until October 2011 in charge of projects previously constructed by Faulconer as a prime and/or subconsultant. Mr. Shirley has a demonstrated record of on time and on budget delivery of VDOT projects that exceeded the Department's goals of 76% and 85% respectively. As evidenced on VDOT's dashboard, Mr. Shirley (as Culpeper District Construction Engineer) and his staff delivered 121 Culpeper District projects with 78% On Time and 90% On Budget during fiscal years 2008 to 2012.

**Jim Marston, Lead Utility Coordination Manager (UCM)**

Mr. Marston served VDOT in a number of capacities for 37 years. For 23 years he held various positions in the Right-of-Way Utility section, with 6 years each as Assistant District Utility Engineer in Richmond and Assistant State Utility Engineer; 8 years as Richmond District Engineer and 3 years as Culpeper/Fredericksburg District Utility Engineer. He has worked extensively with private utility providers (petroleum, gas, power and telecommunications) as well as most towns, cities, counties and water/sewer authorities.

**Al Dorin, MAI, SRA (ROWM)**

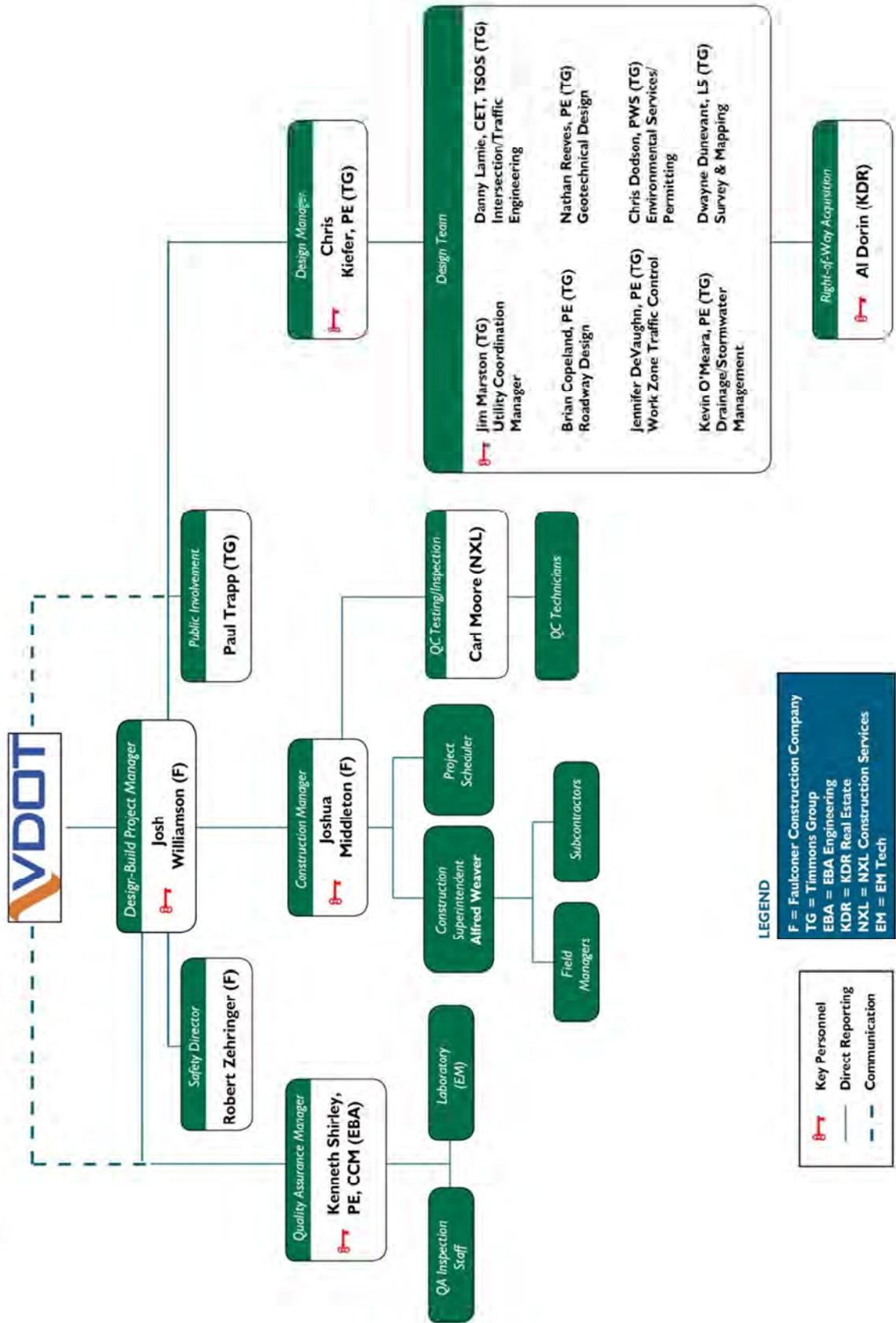
Mr. Dorin is the principal of KDR and his primary experience has been as a real estate appraiser for over 30 years. He is a prequalified VDOT right-of-way consultant and has appraised a wide variety of property types with a concentration in eminent domain assignments. He has qualified as an expert witness in numerous localities throughout the Commonwealth. Mr. Dorin is also working with the Faulconer/Timmons Group team on the Zion Crossroads design-build PPEA project in Louisa County.

**3.3.2 Organizational Chart/Functional Relationships****Organizational Chart**

All pertinent disciplines required to successfully completing the design and construction of this project are shown on our team's organizational chart shown on the following page.

3.3.2 Organizational Chart/Functional Relationships

Organizational Chart



**Key Personnel**  
 — Direct Reporting  
 - - - Communication

**LEGEND**  
 F = Faulconer Construction Company  
 TG = Timmons Group  
 EBA = EBA Engineering  
 KDR = KDR Real Estate  
 NXL = NXL Construction Services  
 EM = EM Tech

## Functional Relationships

Included below are descriptions of the roles and responsibilities of our team members including an explanation as to the functionality of each relationship.

### Josh Williamson, Design-Build Project Manager (DBPM)

Mr. Williamson will be responsible for all that occurs on the project site or with respect to the overall project to include, but not be limited to: overall preparation of the RFP submission; contract development and execution; design and construction activities; scheduling; quality management commitments and adherence to all permits and regulations. He will work directly with the Design Manager and the Construction Manager to confirm adherence to project control elements in the design and construction phases of work and oversee the coordination of these efforts. As the DBPM, Mr. Williamson will be the primary point of contact for the project and is responsible for the overall contract management and ensuring total collaboration between all team members. **The DBPM is the single, primary point of contact with VDOT.**

*Our flagman noted that your employees were the most professional and cooperative group he had ever provided protection for. I concur with this statement...*

**David A. Becker, Senior Design Engineer, Norfolk Southern Railway Company**

### Joshua Middleton, Construction Manager (CM)

Mr. Middleton's responsibilities include: (1) performing constructability reviews of RFP documentation and coordinate estimating and operations input and support to DBPM for proposal submission; (2) day-to-day management of all on-site construction and project activities; (3) management of the construction process including all quality control (QC) activities to ensure that materials used and work performed meet contract requirements and approved construction plans and specifications; and (4) ensuring that all work performed on-site is performed to meet and exceed all safety, quality and environmental requirements of the project. His responsibilities as CM will be working directly with QC managers and field managers on project scheduling, constructability reviews and vendor acquisitions with specific focus on project efficiency and an emphasis on quality, environmental and safety compliance. **The CM reports functionally to the DBPM and draws support from the QC Manager and Safety Manager.**

### Chris Kiefer, PE, Design Manager (DM)

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

### Kenneth Shirley, PE, CCM, Quality Assurance Manager (QAM)

Mr. Shirley's responsibilities include: (1) independent overall quality assurance (QA) inspections and testing of all materials used and work performed on the project; (2) monitoring of The Faulconer Team's quality control (QC) program; and (3) ensuring that all work and materials, testing and sampling are performed in accordance with the contract requirements and the approved for construction plans and specifications. **The QAM reports directly to both the DBPM and VDOT. He acts in an independent capacity, ensuring that he is not constrained in his work by the requirements of production.**

**Jim Marston, Utility Coordination Manager (UCM)**

Mr. Marston will lead the team's utility coordination tasks. His responsibilities include: coordination of all utility relocations; verify conflicts determine cost responsibilities; coordinate and conduct utility field inspections with utility owners; coordinate utility relocation design; review and recommend approval of utility relocation plans; review utility relocation designs and conduct meetings with utility companies as required for this project. **The UCM will report directly to the DM.**

**Al Dorin, MAI, SRA (ROWM)**

Mr. Dorin will be responsible for all right-of-way services for this project including: identification of affected parcels, determining ownership of such parcels through review of deeds and other public records, preparing appraisals and preparing offers in conjunction with VDOT ROW staff. **The ROWM will report directly to the DM.**

**Carl Moore, Quality Control Manager for Testing/Inspection (QCM)**

Mr. Moore has more than 20 years of experience in the construction industry and is thoroughly familiar with VDOT specifications and requirements. His responsibilities include: (1) development of overall project QC Plan; (2) performing necessary QC Inspections/Testing to ensure all work is performed in compliance with the contract requirements; and (3) maintaining project documentation including the Materials Notebook. **The QCM reports directly to the CM.**

**Alfred (Junior) Weaver, Construction Superintendent (CS)**

Mr. Weaver has 43 years of experience working on heavy highway and site work projects. His experience ranges from an equipment operator, foreman to overall site Superintendent. For the past 20 years he has managed and directed daily field operations serving as a senior Superintendent for Faulconer Construction's wide range of projects including over 25 VDOT projects throughout his career, with many of them being performed in the Culpeper District. He has previously worked alongside the Design-Build Project Manager on the I-81 Truck Climbing Lane and the Route 29 Improvements at Hollymead Town Center projects shown on the Lead Contractor Work History Form.

Mr. Weaver also acted as the Superintendent on the 3.5+/- mile Route 33– Route 29 to Quinque project in Greene County which was to widen a section of Route 33 from a two-lane undivided highway to a four-lane divided highway – almost identical in scope and complexity of this, the Route 3 project. **The CS will report to the CM.**

**Robert Zehringer, Safety Director (SD)**

Autonomous with all operations, Mr. Zehringer will be the ultimate safety authority for the project, barring any direction or decisions from local, state or federal authorities. Mr. Zehringer has 38 years of experience working in the safety field, and more than 22 years as a Safety Director (SD). Having worked 6 years with English Construction and 16 years with Faulconer, he has proven his abilities tenfold when it comes to preventing accidents and reviewing maintenance of traffic plans. His personality and demeanor, coupled with his experience, allows him to interface effectively with all involved in our projects; from the owner's representative, human resource personnel and public relations authorities. Throughout the entire design-build process, Mr. Zehringer will review plans and monitor work activities to ensure that all project personnel, project visitors and the traveling public go home safe. Mr. Zehringer's certifications include: O.S.H.A. 30 hour course; ATSSA Traffic Control Supervisor Advanced Certification #11180823, renewal in progress; Explosives Safety Training; Federal Railroad Administration Roadway Worker Trainer; DOT Substance Abuse Supervisor; Norfolk Southern E-RailSafe/Badge #102193001348 and CPR/First Aid. **The SD will report directly to the DBPM.**

**Brian Copeland, PE, Roadway Designer (RD)**

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

**Kevin O'Meara, PE, Drainage Designer (DD)**

Mr. O'Meara's responsibilities include: (1) calculations of existing water flows, design of stormwater conveyances and stormwater management systems and facilities; (2) design and sizing of storm drains and accompanying structures; and (3) design of sediment and erosion control measures. The DD will work closely with the Construction Superintendent to verify applicability of design with the construction methods desired for use in the project area. **The DD reports directly to the DM.**

**Chris Dodson, PWS, JD, Environmental Manager (EM)**

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

**Nathan Reeves, PE, Geotechnical Engineer (GE)**

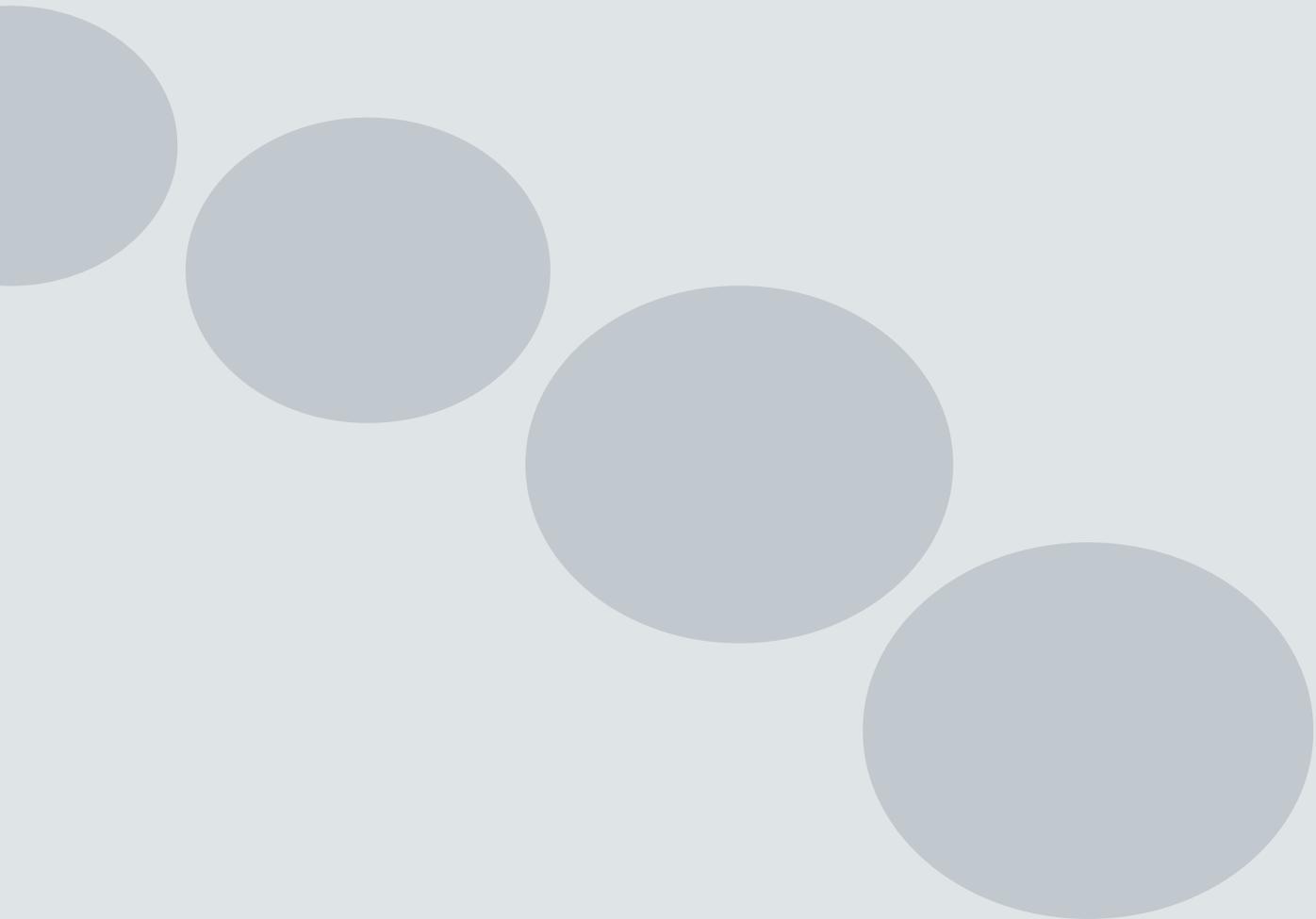
Mr. Reeves' responsibilities include: (1) managing the geotechnical investigation and analysis; (2) verifying data from the GDR and developing the final geotechnical report; (3) closely working with the SE and RD in developing a design that will best suit the project considering the in situ conditions. **The GE reports directly to the DM and works closely with the RD.**

**Dwayne Dunevant, LS, Survey Manager (SM)**

Mr. Dunevant's responsibilities include: (1) re-establishing and verifying the project controls and (2) gathering all survey information necessary to design the project. **The SM reports directly to the DM.**

# SECTION 3.4

## Team Experience



### 3.4 EXPERIENCE OF THE TEAM

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

**Faulconer, an ENR Top 600 Specialty Contractor**, is the lead contractor and will be responsible for managing the overall project, coordinating with VDOT and other stakeholders, supervising construction activities and performing the majority of the construction.

Since 1946, Faulconer has been a mainstay of the central Virginia construction industry, building of some of the most challenging and prestigious projects throughout the Mid-Atlantic region. ***We bring the highest value to our customers, performing over 80% of the value of our contracts in-house.*** We are big enough, with over 300 employees and over 200 pieces of heavy equipment, to have the right resources available, yet small enough that all levels of our leadership are fully engaged. ***The breadth and depth of our personnel and their focus on serving our customers have proven time and time again our reputation in delivering projects Safely, On Time and On Budget while meeting or exceeding all environmental and quality metrics.***

Faulconer is no stranger to design-build, having worked on the Route 288 design-build PPTA project in Richmond, Virginia to, most recently, the \$75 million I-81 Truck Climbing Lane in Montgomery County, Virginia. Our team's Design-Build Project Manager, Josh Williamson, along with other Faulconer personnel, was engaged with this project since before the Statement of Qualification was submitted by CH2M Hill.

Furthermore, we are not merely a subcontractor; we are a dedicated equity partner on the project. To this point, Mr. Williamson is currently the project's Construction Manager. To further expand on our engagement and knowledge of the Design-Build process, we currently have two Designated Design-Build Professionals™, one of which serves on the Virginia Transportation Construction Alliance (VTCA) Design-Build Committee.



***We are a well-established contractor in Central Virginia and have completed over 25 projects worth over \$50 million in the Culpeper area over the past 10 years.*** Examples include work currently being performed at Moerings Sepergreen and work previously performed at Martin Marietta/Luck Stone, both project areas approximately one half mile from the start of the Route 3 project area. With this direct on-the-ground experience, we are acutely aware of the area's subsurface conditions and are well connected with local authorities and vendors.

Years of experience are not necessarily synonymous with project excellence and performance. Faulconer's team has a proven track record of on-the-job performance excellence in safety, quality, schedule and responsiveness. This is highlighted by our continued adherence to Norfolk Southern's rigorous safety, quality and schedule requirements and remaining on their preferred contractor's list for over 15 years.

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

*Timmons Group is the largest civil engineering firm headquartered in Central Virginia* and is proud to have been ranked in Engineering News-Record’s list of the nation’s “Top 500 Design Firms” for over 20 years. During that same 20-year period, Timmons Group has worked directly for VDOT on a variety of highway design projects across Virginia, including: Route 143 (Jefferson Avenue) in Newport News; Route 58 in Patrick County; Route 58 (Jonesville Bypass) in Lee County; and Routes 601, 631, 660, 671 in Albemarle County. Through this experience they have developed proficiency with VDOT’s design standards, specifications, and administrative procedures while establishing strong working relationships with VDOT staff at the Central Office, District and Residency levels.

***There is nothing I like better than finishing quality jobs on schedule and within budget. Your (Timmons Group) team made this possible.***

**John McCracken, PE, Director, Chesterfield County Transportation Department**

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

Timmons Group also has experience with a significant number locally-administered transportation projects and recently worked on plans for the following roadway design projects:

- I-295/Meadowville Road Interchange Design-Build - Chesterfield County, VA
- Monticello Avenue & Ironbound Road Improvements – City of Williamsburg, VA
- Route 10 Widening (Frith to Greenyard) – Chesterfield County, VA
- U.S. Route 301 Widening – Hanover County, VA
- U.S. Route 360 Improvements – Chesterfield County, VA
- U.S. Route 60 and Centerville Road Improvements – James City County, VA

**EBA Engineering, Inc. (EBA)** will be providing Quality Assurance Management to the project. Since 1981, EBA has provided exceptional professional engineering and management services to a wide variety of satisfied clients in both the public and private sectors. One example is EBA’s successful completed the Region 4 Bridge Maintenance Rehabilitation Design-Build project with Bryant Contracting in January 2012 on-time and on-budget. While Kenneth Shirley was VDOT’s Culpeper District CE, he worked with Faulconer and NXL on the I-81 Truck Climbing Lane project.

***In addition to our long-standing relationship with VDOT, Faulconer also brings strong working relationships with its other team members.***

**Faulconer and Timmons Group** have had a working relationship since 1989 when we worked together on The Foundry Golf Club development project in Powhatan County, Virginia. Other projects have included roadway improvements at Monticello High School in Albemarle County and the Zion Crossroads design-build PPEA project for Louisa County.

**Faulconer and NXL** have worked together on the Meadow Creek Parkway (John Warner Parkway) project and are currently working together on the I-81 Truck Climbing Lane and Zion Crossroads design-build projects.

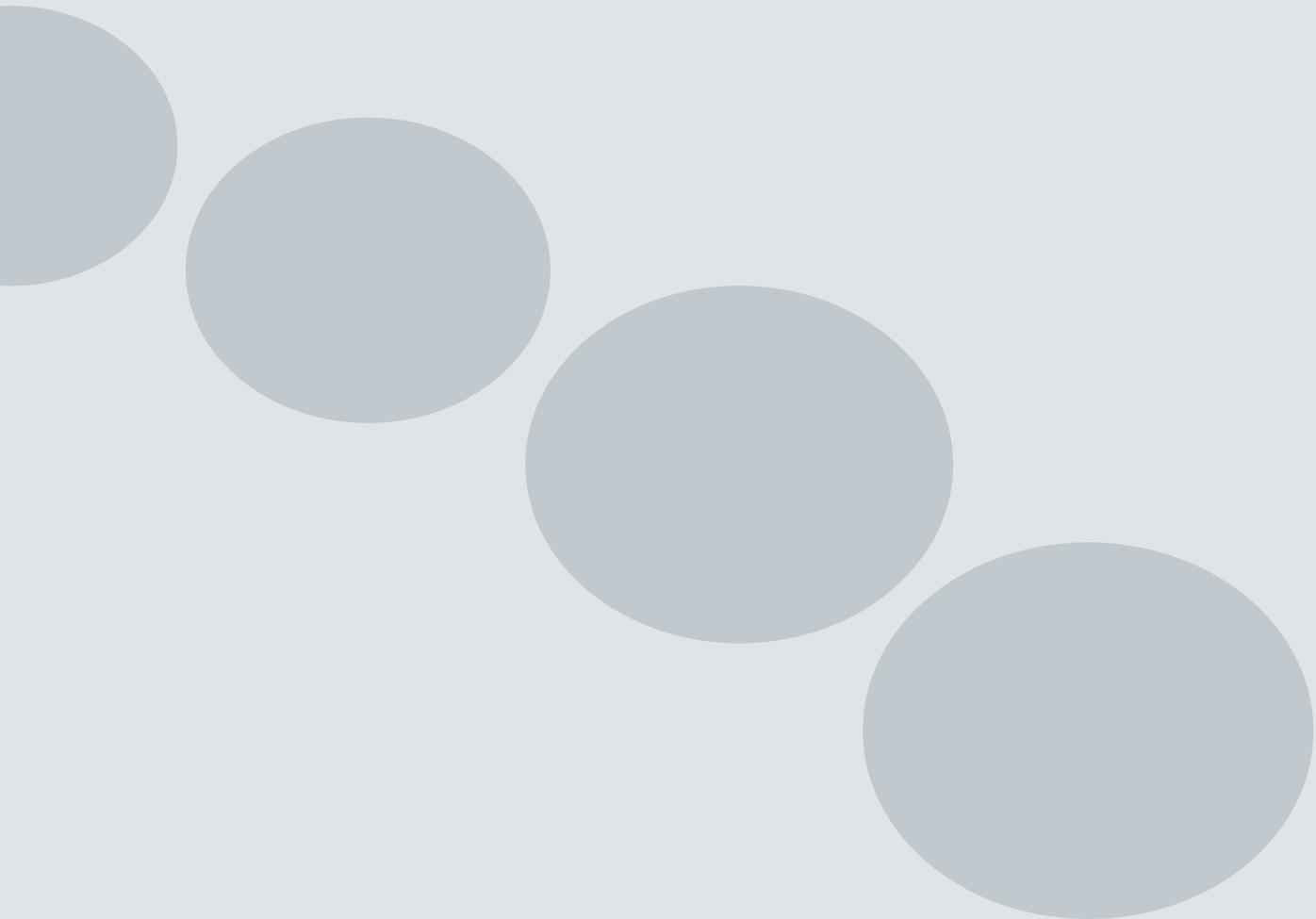
**Timmons Group and KDR** have worked together successfully for more than 20 years on a wide variety of transportation and utility projects in Chesterfield County, Hanover County, James City County, Stafford County and the City of Petersburg.

**Timmons Group and NXL** have worked together successfully for more than 10 years on transportation, utility, drainage and other projects. NXL has been a DBE partner on Timmons Group's on-call contracts with Chesterfield County and the City of Richmond, providing surveying, construction testing and inspection services. They also recently worked together on \$12 million in roadway infrastructure improvements at Meadowville Technology Park in Chesterfield.

*Our team members have a proven track record of excellent performance and are committed to bringing this inherent value to the Route 3 project.* Please find work history forms and resumes for our key personnel in in Appendix G.

# SECTION 3.5

## Project Risks



### 3.5 PROJECT RISKS

#### 3.5.1 Three Critical Project Risks

A major factor in Faulconer's success is a culture that encourages proper project planning and integration across the company. We strive to find the things that have the potential to "keep us up at night". Early identification of risks and the preparation of risk mitigation plans are considered critical to every project's success. Through a comprehensive review of the RFQ documents, site visits, our own local knowledge and interviews with stakeholders and other people familiar with the area, we feel that the project contains no risk that cannot be overcome by proper planning by our well-qualified team. Some of the risks we have considered are costs and delays associated with: utility relocations, obtaining right-of-entry agreements and right-of-way acquisition, overall project schedule impacts and critical path activities, environmental and cultural impacts, the presence and sensitivity of equestrian facilities, and the availability of suitable waste and borrow areas.

We even reached out to the former superintendent of R.J. Smith Companies who constructed the section of Route 3 immediately west of this section. He alerted us to an existing buried DI-7 with the wrong size pipe installed into it. Apparently during construction the wrong size pipe was installed and since the DI would not be used until future phases were complete, the issue was left that way in the field. Plan sheets 3 and 4 show this actual condition with the upper reach of pipe being 18" RCP, and the lower reaches downstream shown as 15" RCP.

Although each of these issues poses some potential for risk for the project, ***we reiterate that the project contains no risk that cannot be overcome by proper planning by our well-qualified team.*** That being said, we have identified the three risks that we feel could have the most negative impact to the project unless proper mitigation plans are implemented.

##### (1) Safety and Maintenance of Traffic

Our team is 110% committed to the safety and well-being of our workforce, the workforce of our partners and subcontractors, and the traveling public. While this particular section of Route 3 has already seen its share of fatalities, introducing construction operations to this stretch of roadway will potentially exacerbate the risks already inherent to this section. We feel this poses the single greatest risk with regards to the traveling public and maintenance of traffic operations on the project.

In particular, we are concerned about the curve located at Clay Hill Road. This 1,250' radius curve is located at the end of a long 2.5 mile straightaway from the east, a 1 mile straightaway from the west, and is the site of several fatalities. VDOT has already taken several steps to mitigate the existing hazard, such as the installation of additional signage and rumble strips. At a minimum, we will maintain measures equivalent to or better than the existing conditions.

Our risk mitigation strategies will be multi-layered to cover the different aspects of outreach, design, operations and the final as-built product. First, proactive and early coordination will be established with VDOT, FHWA, emergency/fire/rescue officials, business owners and other stakeholders along the project corridor to develop a Traffic Management Plan (TMP) and sequence of construction plan. A critical first line of defense in preventing avoidable accidents will be an effective public outreach, communication and education plan detailing construction activities, schedule and changes in traffic patterns. We will proactively implement our communication plan by engaging regional and local media outlets, direct mailings, websites, social media, VMS boards, and VDOT's Public Affairs staff. The primary objective of our outreach efforts will be to inform motorists of upcoming changes in traffic patterns, construction

progress and upcoming activities that will affect their daily commute. Our team is no stranger to effectively implementing and executing these outreach efforts having done all of these in the past on similar projects.

Once preconstruction activities start, an additional focus will be on executing maintenance of traffic measures. These will include high visibility advanced signing and changeable message signs to alert drivers to slow down from an existing posted speed of 55 mph to lower speed limits while navigating through the work zones. Our plan will focus on maximizing safety while minimizing impact to the traveling public. One area of focus will be to maximize sight distance (especially in the area of the curve at Clay Hill Road) by minimizing the storage or staging of equipment or materials along the shoulders, on the inside of curves, or other areas of limited visibility.

We also understand that there are GPS wayfinding and cell phone signal issues in this area that may be a contributing factor to these accidents. We will certainly investigate the opportunity for technology enhancements to help improve the safety in this corridor.

Careful consideration will be given to the aforementioned 1,250' radius curve at Clay Hill Road during our final design. With 7 fatalities and more than 60 crashes occurring in that area from 2007 to 2009, it is an area that may require special consideration beyond VDOT's minimum standards. We intend on achieving this by utilizing dynamic speed display signs, additional signage, striping, rumble strips and by exploring ways to design a better and safer curve. Timmons Group is VDOT's on-call consultant for traffic engineering in the Central Region, and we feel confident that they can help our team identify opportunities for improving safety throughout the project.

## (2) Williams Gas Pipeline

With the location of three large diameter, high-pressure gas pipelines in the corridor, it is impossible to ignore the risks associated with working around those facilities. In an effort to gain insight, and to better understand the associated risks, our team interviewed Mr. Verde with Williams Gas. He indicated that Williams Gas is preparing to perform casing extensions to be completed by October 2013, approximately 2-3 months after the anticipated award date of July 2013 for the Route 3 project. Assuming this is true, this fact alone potentially alleviates substantial risk from the design-build team from having to be responsible for coordinating, scheduling and facilitating the execution of the work. If Mr. Verde's statement is incorrect, the design-builder team will bear that risk – very achievable – but potentially long and cumbersome. Although much of the risk may be eased by prior arrangements, the presence of a 40", 36" and 30" high pressure gas mains, associated fiber optic, as well as ancillary Columbia Gas piping and gas pumping facility, potential risks still abound.

Although complete avoidance is impossible, the primary risk mitigation strategy is to avoid impacts to these facilities. Prior to the end of the scope validation period, prior to design and prior to land disturbing activities, we will completely engage with Williams Gas (and Columbia Gas) to identify every nuance about designing and working around their facilities, including permit requirements, the presence or accommodations for tertiary lines and the potential need for additional easements. Fortunately, our team has the benefit of having Jim Marston on the team as our Utility Coordination Manager. Jim's 37 years of VDOT experience, including 3 years as Culpeper/Fredericksburg District Utility Engineer and previous work experience with Williams Gas and Columbia Gas, will be extremely valuable in establishing an ongoing dialogue with these and other utility providers.

Once the utility requirements are crystal clear and we have received a "Letter of No Objection" from Williams Gas and Columbia Gas, we will begin design, continuing to engage with them throughout the construction process. Our initial design objective will be to construct the roadway improvements in a

manner that does not take away cover, but likely will add some cover to these facilities. We will also endeavor to direct surface water away from the facilities as well as minimize the interface between their facilities and new underground and/or aboveground utilities.

Prior to working around the gas facilities, we will develop an area-specific safety plan and implement special training in coordination with Williams Gas. We will also provide a list of every piece of construction equipment (including weight, make and model) which may cross above the pipeline. Williams Gas has the ultimate authority to approve the use of each piece of proposed equipment. Once actual construction works starts, and a Williams Gas representative is on site or available to the project, we will close off aboveground facilities with concrete barriers and utilize steel plates and/or logging mats where recommended. We will not conduct underdrain operations until a Williams Gas representative is on site and present during all installation operations.

The key to our risk mitigation strategy associated with this work is to communicate, collaborate and keep Williams Gas fully engaged every step along the way.

### (3) Subsurface Conditions

Having completed over 25 projects worth over \$50 million in the Culpeper area over the past 10 years, our team is keenly aware of the area's subsurface conditions. Having reviewed the Geotechnical Engineering Data Report and being aware of the presence of several springs and wetlands in the area, the likelihood of encountering unsuitable soil conditions is very high. This area is comprised of typical eastern-Culpeper, poorly drained "Blackjack" soils sitting atop a very hard layer of diabase igneous rock. Not only do these highly plastic soils pose a challenge, but the shallow hard rock has its own set of challenges too.

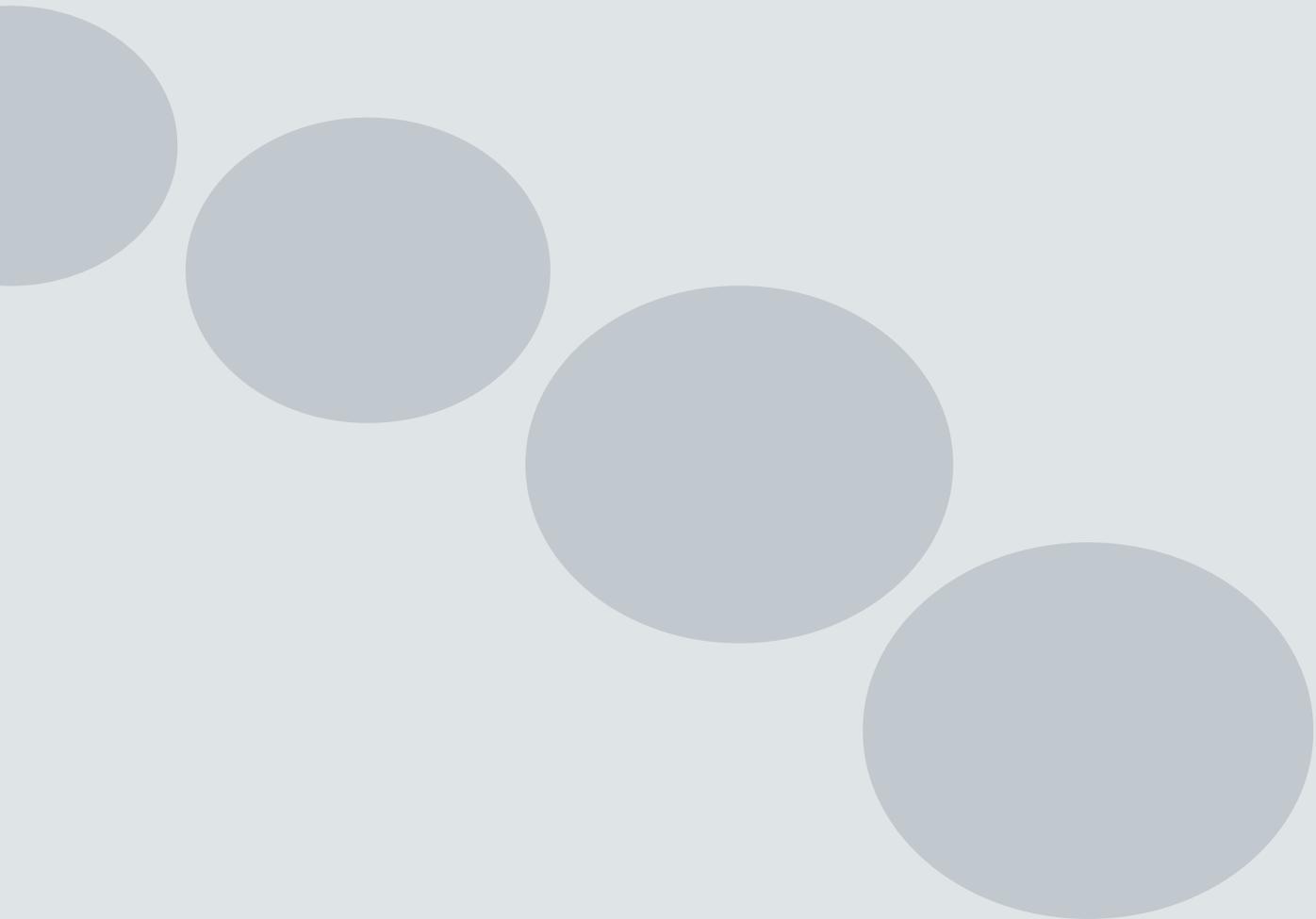
Timmons Group's Geotechnical Engineer (Nathan Reeves) has many years of experience working with soils located in the Triassic Basin. The highly plastic "Blackjack" soils are typically expansive in nature, and: (1) they're often a challenge to work with during construction because it's difficult to dry them once they become wet; (2) they often exhibit poor subgrade support for pavements; and (3) they can exhibit shrink/swell behavior, leading to premature pavement failure.

When these soils are not the predominant soil type, they are typically re-used (as structural fill) in deeper portions of the fill mass and a typical specification would be to not place them within 2 feet of finished grades. When they are the predominant soil type, a lime-treatment program can be implemented to make the soils easier to work during construction, giving the soil better subgrade support characteristics, and reducing the soil's shrink/swell behavior.

There are two general rock types in the Triassic Basin, the igneous intrusion called diabase as well as sedimentary siltstones, sandstones, and mudstones. Faulconer has blasted in excess of 500,000 cubic yards of this material in Culpeper over the years. In our blasting operations in these conditions we are often left with "cap rock", large pieces of rock that were too shallow to effectively blast. This leaves us with significant secondary breakage operations that may add to a project's overall cost. One potential benefit of the presence of rock is that, like in our other projects around Culpeper, the rock may be crushed and utilized to help mitigate or bridge unsuitable soil areas.

Our final design will be based on what our Geotechnical Engineer finds during our detailed investigations. The main purpose will be to identify soft, loose or saturated soils that exhibit poor characteristics and to address methods for evaluation of subgrade suitability and procedures for mitigating unsuitable subgrades. Our team has already identified and verified several sources of suitable borrow material and waste areas.

# APPENDIX A



**ATTACHMENT 3.1.2**

**Project: 0003-023-107, P101, R201, C501  
STATEMENT OF QUALIFICATIONS CHECKLIST AND CONTENTS**

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

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

**ATTACHMENT 3.1.2**

**Project: 0003-023-107, P101, R201, C501  
STATEMENT OF QUALIFICATIONS CHECKLIST AND CONTENTS**

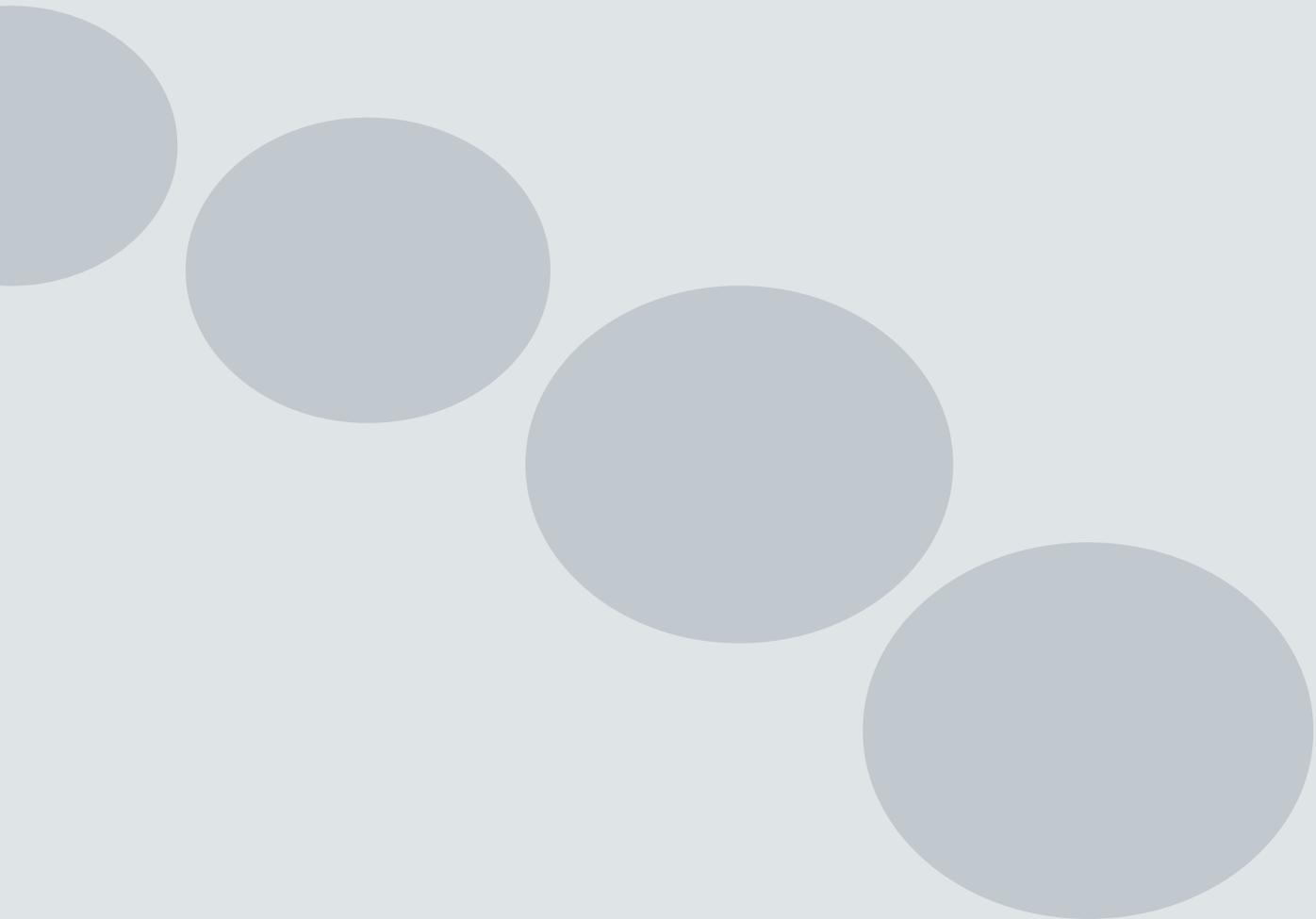
<b>Statement of Qualifications Component</b>	<b>Form (if any)</b>	<b>RFQ Cross reference</b>	<b>Included within 15-page limit?</b>	<b>SOQ Page Reference</b>
<b>SCC and DPOR registration documentation (Appendix)</b>	Attachment 3.2.10	Section 3.2.10	no	Appendix F F-1 – F-2
Full size copies of SCC Registration	NA	Section 3.2.10.1	no	Appendix F F-4 – F-10
Full size copies of DPOR Registration (Offices)	NA	Section 3.2.10.2	no	Appendix F F-11 – F-17
Full size copies of DPOR Registration (Key Personnel)	NA	Section 3.2.10.3	no	Appendix F F-18 – F-21
Full size copies of DPOR Registration (Non-APELSCIDLA)	NA	Section 3.2.10.4	no	Appendix F F-22
<b>DBE statement within Letter of Submittal</b> confirming Offeror is committed to achieving the required DBE goal	NA	Section 3.2.11	yes	2
<b>Offeror's Team Structure</b>				
Identity of and qualifications of Key Personnel	NA	Section 3.3.1	yes	4-5
Key Personnel Resume – DB Project Manager	Attachment 3.3.1	Section 3.3.1.1	no	Appendix G G-1 – G-2
Key Personnel Resume – Quality Assurance Manager	Attachment 3.3.1	Section 3.3.1.2	no	Appendix G G-7 – G-8
Key Personnel Resume – Design Manager	Attachment 3.3.1	Section 3.3.1.3	no	Appendix G G-4 – G-5
Key Personnel Resume – Construction Manager	Attachment 3.3.1	Section 3.3.1.4	no	Appendix G G-3

**ATTACHMENT 3.1.2**

**Project: 0003-023-107, P101, R201, C501  
STATEMENT OF QUALIFICATIONS CHECKLIST AND CONTENTS**

<b>Statement of Qualifications Component</b>	<b>Form (if any)</b>	<b>RFQ Cross reference</b>	<b>Included within 15-page limit?</b>	<b>SOQ Page Reference</b>
Key Personnel Resume – Lead Utility Coordination Manager	Attachment 3.3.1	Section 3.3.1.5	no	Appendix G G-8
Key Personnel Resume – Right of Way Manager	Attachment 3.3.1	Section 3.3.1.6	no	Appendix G G-9 – G10
Organizational chart	NA	Section 3.3.2	yes	6
Organizational chart narrative	NA	Section 3.3.2	yes	5
<b>Experience of Offeror's Team</b>				
Lead Contractor Work History Form	Attachment 3.4.1(a)	Section 3.4	no	Appendix G G-11 – G-13
Lead Designer Work History Form	Attachment 3.4.1(b)	Section 3.4	no	Appendix G G-14 – G-16
<b>Project Risk</b>				
Identify and discuss three critical risks for the Project	NA	Section 3.5.1	yes	13 - 15

# APPENDIX B



**ATTACHMENT 2.10**

**COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF TRANSPORTATION**

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

**ACKNOWLEDGEMENT OF RFQ, REVISION AND/OR ADDENDA**

Acknowledgement shall be made of receipt of the Request for Qualifications (RFQ) and/or any and all revisions and/or addenda pertaining to the above designated project which are issued by the Department prior to the Statement of Qualifications (SOQ) submission date shown herein. Failure to include this acknowledgement in the SOQ may result in the rejection of your SOQ.

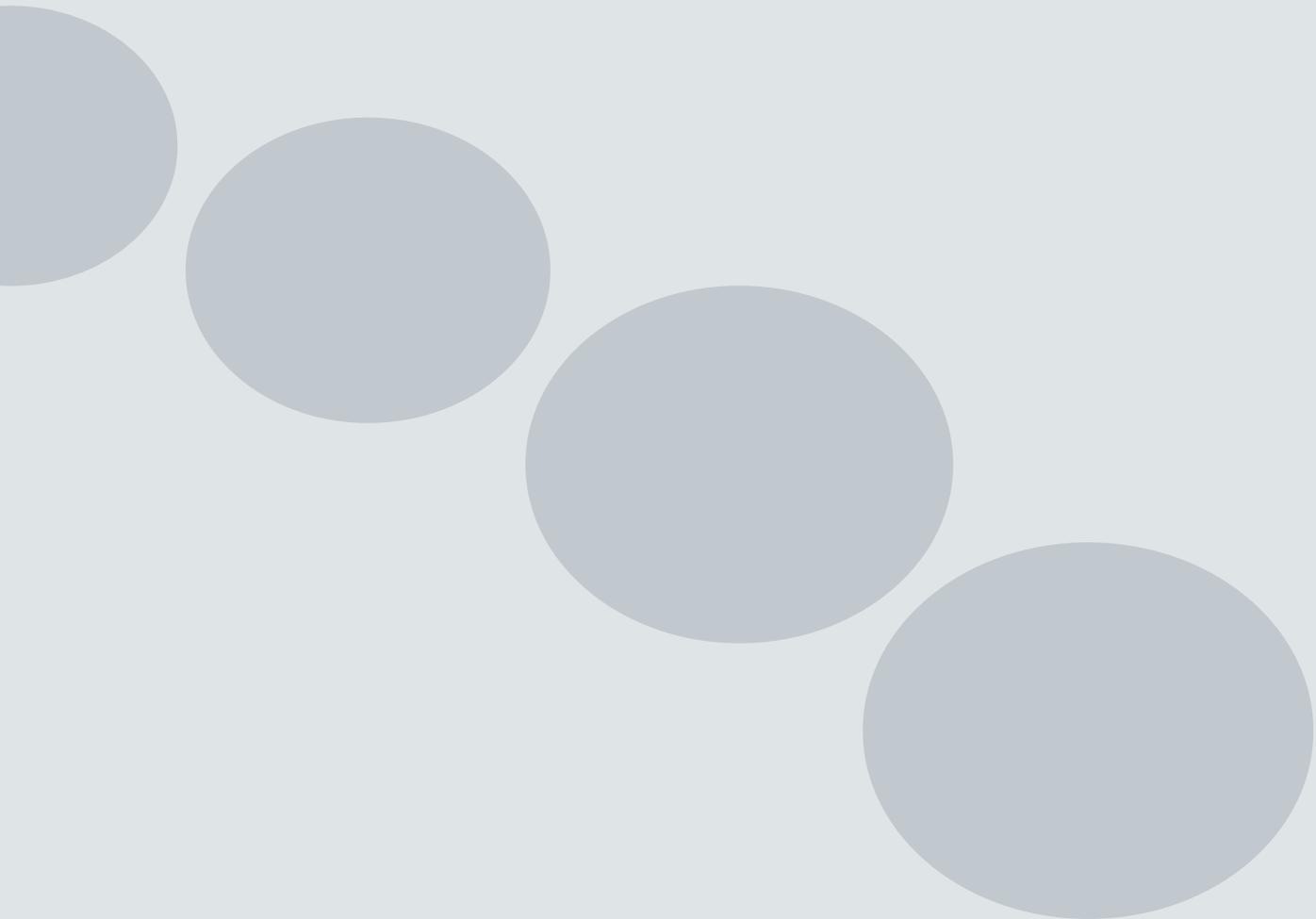
By signing this Attachment 2.10, the Offeror acknowledges receipt of the RFQ and/or following revisions and/or addenda to the RFQ for the above designated project which were issued under cover letter(s) of the date(s) shown hereon:

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

  
\_\_\_\_\_  
SIGNATURE

01/18/2013  
DATE

# APPENDIX C



**ATTACHMENT 3.2.6**

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

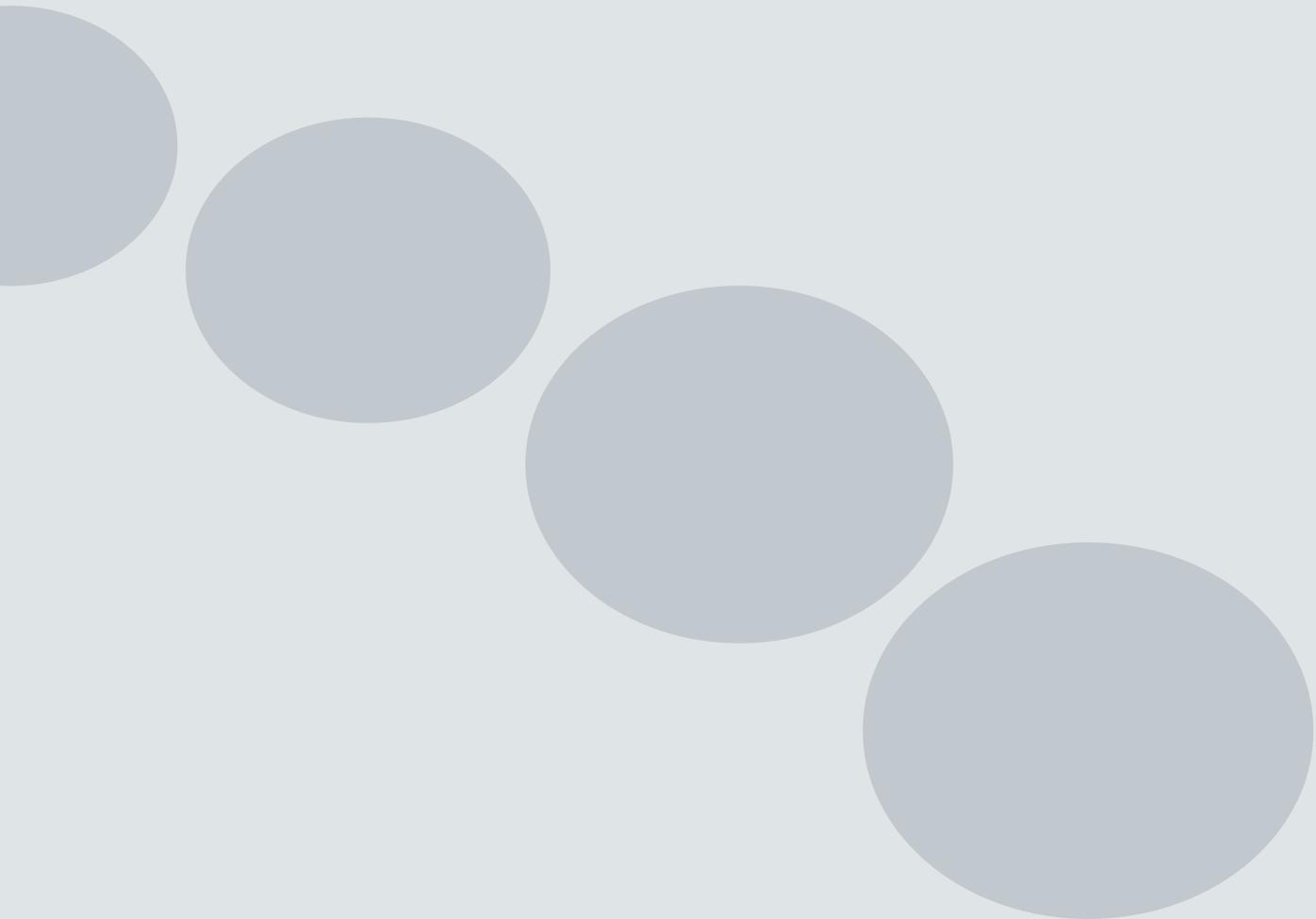
**Affiliated and Subsidiary Companies of the Offeror**

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

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

Relationship with Offeror (Affiliate or Subsidiary)	Full Legal Name	Address
Affiliate	Sandord Aviation, LLC	2496 Old Ivy Road, Charlottesville, VA 22903
Affiliate	Murphy Environmental and Land Management, LLC	508 Poor House Road, Murphy, NC 28906
Affiliate	CS Jackson LLC dba CS Construction	1921 Youngs Road, Vass, NC 28394

# APPENDIX D





**ATTACHMENT NO. 3.2.7(b)**

**CERTIFICATION REGARDING DEBARMENT  
LOWER TIER COVERED TRANSACTIONS**

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

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

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



January 16, 2013  
Signature \_\_\_\_\_ Date

Principal  
Title \_\_\_\_\_

Timmons Group, Inc.  
Name of Firm \_\_\_\_\_

**ATTACHMENT NO. 3.2.7(b)**

**CERTIFICATION REGARDING DEBARMENT  
LOWER TIER COVERED TRANSACTIONS**

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

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

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

[Signature]      1/15/2013      President  
Signature      Date      Title

NXL Construction Services, Inc  
Name of Firm

**ATTACHMENT NO. 3.2.7(b)**

**CERTIFICATION REGARDING DEBARMENT  
LOWER TIER COVERED TRANSACTIONS**

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

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

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

	01/14/13	First Exec. VP
Signature	Date	Title

EBA Engineering, Inc.  
Name of Firm

**ATTACHMENT NO. 3.2.7(b)**

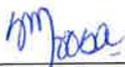
**CERTIFICATION REGARDING DEBARMENT  
LOWER TIER COVERED TRANSACTIONS**

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

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

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

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

<u></u>	<u>January 7, 2013</u>	<u>Principal Engineer</u>
Signature	Date	Title

Engineering and Materials Technologies, Inc.  
Name of Firm

**ATTACHMENT NO. 3.2.7(b)**

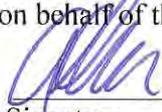
**CERTIFICATION REGARDING DEBARMENT  
LOWER TIER COVERED TRANSACTIONS**

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

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

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

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



Signature

January 15, 2013

Date

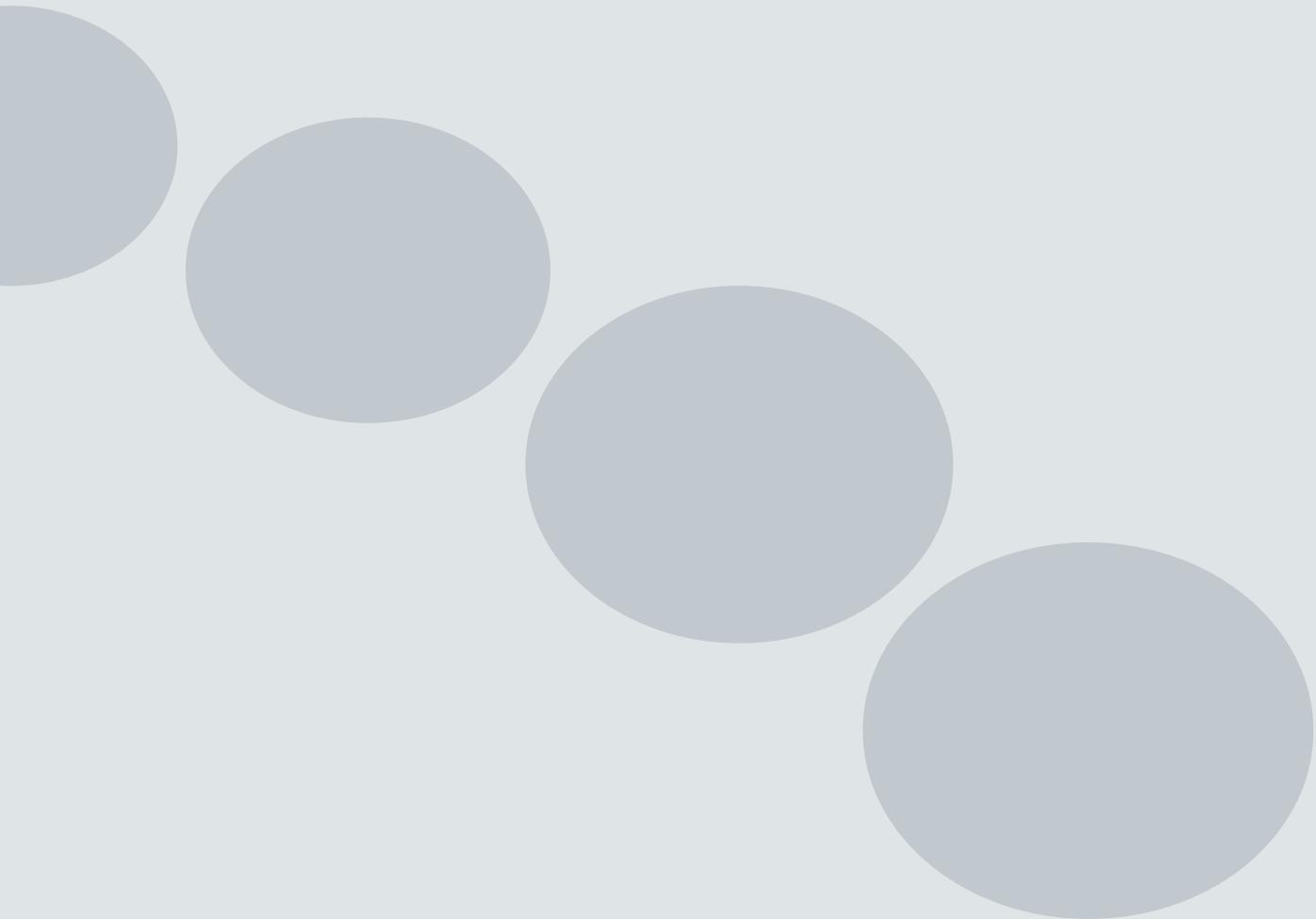
President

Title

KDR Real Estate Services, Inc.

Name of Firm

# APPENDIX E



# RUTHERFOORD

A MARSH & McLENNAN AGENCY COMPANY

January 2, 2013

Mr. Joseph A. Clarke, PE  
Virginia Department of Transportation  
1401 East Broad Street  
Annex Bldg., 8<sup>th</sup> Floor  
Richmond, VA 23219

Re: Falconer Construction Company, Inc.  
Project: Culpeper Route 3 Widening, RFQ C0014657DB56

Dear Mr. Clarke,

Rutherford a MMA LLC Company has had the honor of providing bonding to Falconer Construction Company, Inc. for over 30 years. The Hanover Insurance Company is the surety for Falconer Construction Company. Our experience with the company has been most satisfactory. We have supported bonds in the \$40,000,000 single job and \$80,000,000 aggregate program range.

Hanover, as surety for the above named contractor, with an A. M. Best Financial Strength Rating of A and Financial Size Category of XIV will furnish a 100% Performance Bond and 100% Labor and Materials Payment Bond in the amount of the anticipated cost of construction, and said bonds will cover the Project and any warranty periods on behalf of Falconer Construction Company, Inc., in the event that such firm be the successful bidder and enter into a contract for this Project. Such prequalification and approval would be conditioned upon applicable underwriting considerations such as acceptable contract terms and bond forms, confirmation of satisfactory financing, and a favorable review of current underwriting information at the time of the request for the bonds.

This letter is not an assumption of liability, nor is it a bid bond nor a performance bond. It is issued only as a bonding reference requested from us by our client.

The Hanover Insurance Company is listed on the U.S. Treasury Department's Listing of Approved Sureties (Department Circular 570) and licensed in all fifty states.

Sincerely yours,

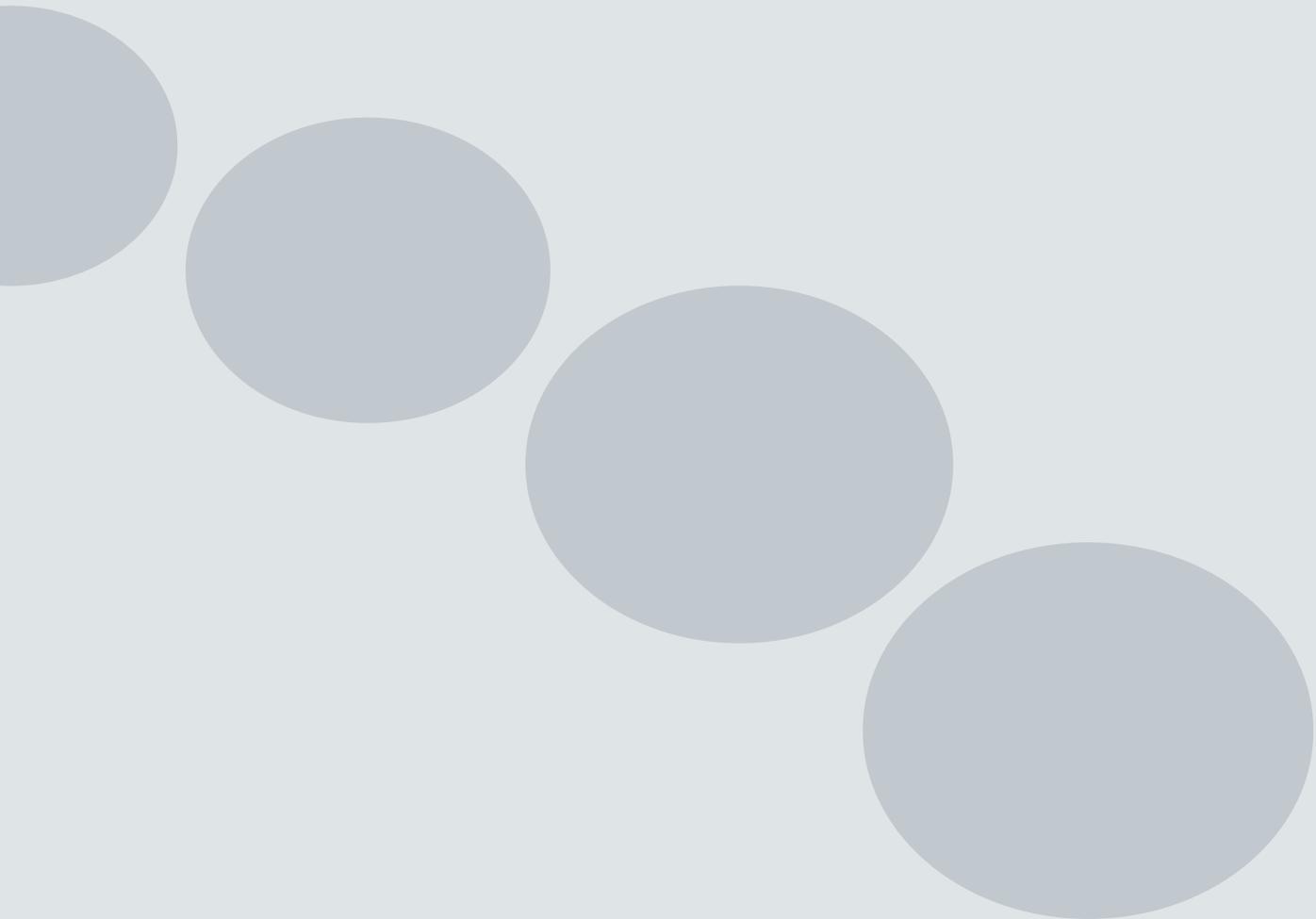


Cynthia Ellinwood  
Assistant Vice President  
Surety Department

#### ROANOKE OFFICE

One South Jefferson Street, SW | Roanoke, VA 24011 | 540-982-3511 | Fax: 540-342-9747 | [www.rutherford.com](http://www.rutherford.com)

# APPENDIX F



**ATTACHMENT 3.2.10**

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

**SCC and DPOR Information**

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

SCC & DPOR INFORMATION FOR BUSINESSES (RFQ Sections 3.2.10.1 and 3.2.10.2)							
Business Name	SCC Information (3.2.10.1)			DPOR Information (3.2.10.2)			
	SCC Number	SCC Type of Corporation	SCC Status	DPOR Registered Address	DPOR Registration Type	DPOR Registration Number	DPOR Expiration Date
Faulconer Construction Company, Inc.	0070633-3	Corporation	Active, In Good Standing	PO Box 7706 2496 Old Ivy Road Charlottesville, VA 22906	Contractor Class A	2701003330A	5/31/2014
Timmons Group, Inc.	0264043-1	Corporation	Active, In Good Standing	1001 Boulders Pkwy., Suite 300 Richmond, VA 23225	Professional Corp.	0405000456	12/31/2013
NXL Construction Services, Inc.	0349742-7	Corporation	Active, In Good Standing	114 E Cary Street, Suite 200 Richmond, VA 23219	Engineering, Survey	0407003031	12/31/2013
NXL Construction Services, Inc.	0349742-7	Corporation	Active, In Good Standing	2870-C So. Main St. Harrisonburg, VA 22801	Engineering, Survey	0411000678	02/28/2014
KDR Real Estate Services, Inc.	0571210-4	Corporation	Active, In Good Standing	2500 Grenoble Road Richmond, VA 23294	Real Estate	0226007129	12/31/2013
EBA Engineering, Inc.	F123900	Corporation	Active, In Good Standing	714 Westwood Office Park Fredericksburg, VA 22401	Business Entity	0411000871	02/28/2014
Engineering & Materials Technologies, Inc.	04786331	Corporation	Active, In Good Standing	7857 Coppermine Dr. Manassas, VA 20109	Business Entity	0407005994	12/31/2013

**ATTACHMENT 3.2.10**

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

**SCC and DPOR Information**

DPOR INFORMATION FOR INDIVIDUALS (RFQ Sections 3.2.10.3 and 3.2.10.4)						
Business Name	Individual's Name	Office Location Where Professional Services will be Provided (City/State)	Individual's DPOR Address	DPOR Type	DPOR Registration Number	DPOR Expiration Date
Faulconer Construction Company, Inc.	Josh Williamson	Charlottesville, VA	NA	NA	NA	NA
Faulconer Construction Company, Inc.	Joshua Middleton	Charlottesville, VA	NA	NA	NA	NA
Timmons Group, Inc.	Christopher Kiefer, PE	Richmond, VA	1001 Boulders Pkwy., Suite 300 Richmond, VA 23225	Professional Engineer	0402023346	06/30/2014
Timmons Group, Inc.	James Marston	Richmond, VA	1001 Boulders Pkwy., Suite 300 Richmond, VA 23225	NA	NA	NA
EBA Engineering, Inc.	Kenneth Shirley	Fredericksburg, VA	16255 Black Run Road Orange, VA 22960	Professional Engineer	0402040380	08/31/2014
KDR Real Estate Services, Inc.	Al Dorin	Richmond, VA	2500 Grenoble Road Richmond, VA 23294	Real Estate	0225108043	03/31/2013

NA = Expertise is not regulated by the DPOR.

# FAULCONER'S CONTRACTOR PREQUALIFICATION

TRANSPORT - E22  
LSPPREQ

COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF TRANSPORTATION  
PREQUALIFIED VENDORS SORTED BY VENDOR NAME  
THIS LIST INCLUDES ALL PREQUALIFIED LEVELS  
AS OF 01/04/2013  
- F -

01/04/2013  
2:15 PM  
PAGE 163

=====  
F006  
FAULCONER CONSTRUCTION COMPANY, INCORPORATED  
PREQ. EXP : 05/31/2014

--PREQ ADDRESS -----	WORK CLASSES (LISTED BUT NOT LIMITED TO)
P. O. BOX 7706	002 - GRADING
CHARLOTTESVILLE, VA 22906-7706	005 - DRAINAGE STRUCTURES
PHONE : 434-295-0033	045 - UNDERGROUND UTILITIES
FAX : 434-295-0508	

BUSINESS CONTACT: STELTER, ED  
EMAIL: ESTELTER@FAULCONERCONSTRUCTION.COM

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

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

**VIRGINIA STATE CORPORATION COMMISSION CERTIFICATION EVIDENCE**

**Falconer**

# Commonwealth of Virginia



## State Corporation Commission

### CERTIFICATE OF GOOD STANDING

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

That FAULCONER CONSTRUCTION COMPANY, INCORPORATED is duly incorporated under the law of the Commonwealth of Virginia;

That the date of its incorporation is December 8, 1954;

That the period of its duration is perpetual; and

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

Nothing more is hereby certified.



*Signed and Sealed at Richmond on this Date:  
November 1, 2011*

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

CISECOM  
Document Control Number: 1111015223

# Commonwealth of Virginia



## State Corporation Commission

### CERTIFICATE OF GOOD STANDING

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

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

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

That the period of its duration is perpetual; and

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

Nothing more is hereby certified.



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

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

CISECOM  
Document Control Number: 1112238703

# Commonwealth of Virginia



## State Corporation Commission

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

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

The date of incorporation is November 17, 1989.

Nothing more is hereby certified.



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

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

CIS0448

# Commonwealth of Virginia



## State Corporation Commission

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

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

Nothing more is hereby certified.

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



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

CIS0357

**KDR**

**Clerk's  
Information  
System**

CISM0180

CORPORATE DATA INQUIRY

04/24/12

12:15:28

[Help](#)

[Print](#)

[Signoff](#)

CORP ID: 0571210 - 4 STATUS: 00 ACTIVE STATUS DATE: 07/07/03  
CORP NAME: KDR REAL ESTATE SERVICES, INC.

DATE OF CERTIFICATE: 01/30/2002 PERIOD OF DURATION: INDUSTRY CODE: 00  
STATE OF INCORPORATION: VA VIRGINIA STOCK INDICATOR: S STOCK  
MERGER IND: CONVERSION/DOMESTICATION IND:  
GOOD STANDING IND: Y MONITOR INDICATOR:  
CHARTER FEE: 50.00 MON NO: MON STATUS: MONITOR DTE:  
R/A NAME: ALLEN G DORIN JR

STREET: 2500 GRENOBLE RD

AR RTN MAIL:

CITY: RICHMOND STATE : VA ZIP: 23294

R/A STATUS: 2 OFFICER EFF. DATE: 07/09/03 LOC : 143

ACCEPTED AR#: 212 01 1626 DATE: 11/28/11 HENRICO COUNTY

CURRENT AR#: 212 01 1626 DATE: 11/28/11 STATUS: A ASSESSMENT INDICATOR: 0

YEAR	FEES	PENALTY	INTEREST	TAXES	BALANCE	TOTAL SHARES
12	100.00					100

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

(Screen Id:/Corp\_Data\_Inquiry)



# Commonwealth of Virginia



## STATE CORPORATION COMMISSION

*Richmond,* January 2, 1996

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

EBA Engineering, Inc.

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



*State Corporation Commission*

*Attest:*

*William J. Bridge*

*Clerk of the Commission*

# Commonwealth of Virginia



## STATE CORPORATION COMMISSION

*Richmond,* January 29, 1997

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

ENGINEERING & MATERIALS TECHNOLOGIES, 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:*

January 29, 1997

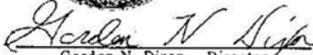


*State Corporation Commission*

*William J. Bridge*  
Clerk of the Commission

**VIRGINIA DPOR REGISTRATION EVIDENCE (Offices)**

**Faulconer**

EXPIRES ON 05-31-2014	<b>DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION COMMONWEALTH OF VIRGINIA</b> 9960 Mayland Dr., Suite 400, Richmond, VA 23233 Telephone: (804) 367-8500	NUMBER 2701003330
<b>BOARD FOR CONTRACTORS CLASS A CONTRACTOR *CLASSIFICATIONS* H/H</b>		
FAULCONER CONSTRUCTION CO INC PO BOX 7706 CHARLOTTESVILLE, VA 22906-7706		  Gordon N. Dixon, Director
<small>ALTERATION OF THIS DOCUMENT, USE AFTER EXPIRATION, OR USE BY PERSONS OR FIRMS OTHER THAN THOSE NAMED MAY RESULT IN CRIMINAL PROSECUTION UNDER THE CODE OF VIRGINIA.</small>		

**Timmons Group**

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

EXPIRES ON 12-31-2013	9960 Mayland Dr., Suite 400, Richmond, VA 23233 Telephone: (804) 367-8500	NUMBER 0405000456
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BOARD FOR ARCHITECTS, PROFESSIONAL ENGINEERS, LAND SURVEYORS, CERTIFIED INTERIOR DESIGNERS  
AND LANDSCAPE ARCHITECTS  
PROFESSIONAL CORPORATION REGISTRATION

PROFESSIONS: ENG, LS

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

  
  
Gordon N. Dixon, Director

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

The screenshot shows a web browser window displaying the Virginia DPOR License Lookup page. The browser address bar shows the URL <http://www.dpor.virginia.gov/LicenseLookup/>. The page header includes the Virginia.gov logo and navigation links for Online Services, Agencies, Governor, and Help. The DPOR logo (Department of Professional and Occupational Regulation) is prominently displayed. On the right side, there are navigation buttons for APPLICANTS, LICENSEES, and CONSUMERS. The main content area is titled "Home > License Lookup > License Lookup & Disciplinary Actions" and features a search bar. A left-hand navigation menu lists various services such as License Lookup, Online Renewal & Services, Boards, Professions & Occupations, Forms & Applications, Fair Housing Office, Community Associations, Report a Licensee, Records & Documents, News & Information, About DPOR, and Contact. The main content area displays the "Details of license number 022607129" for KOR REAL ESTATE SERVICES INC. The details include the license number, description (Real Estate Firm License), business type (Firm), address (2500 GRENOBLE RD, RICHMOND, VA 23294), initial certification date (December 26, 2002), expiration date (December 31, 2014), and the person in charge (ALLEN G DORIN JR). Below the details, there are sections for "Complaints", showing "No Open Complaints" and "No Closed Complaints". A disclaimer states that "Open Complaints" reflect only those against regulators for which a departmental investigation has determined that sufficient evidence exists to establish probable cause of a violation of the law or regulations. It also notes that "Closed Complaints" reflect complaints against regulators closed since 1990, and cases closed without disciplinary action are purged after three years. A contact information section provides a phone number (804) 367-8583 and an email address (publicrecords@dpor.virginia.gov). A final section mentions Recovery Fund Claims, which provide monetary relief to consumers who incur losses through the improper and dishonest conduct of a licensed contractor or licensed real estate professional.

**EBA**

**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  
0411000871

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

PROFESSIONS: ENG

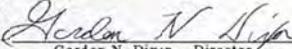
EBA ENGINEERING INC  
714 WESTWOOD OFFICE PARK  
FREDERICKSBURG, VA 22401



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

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E.M. Tech

<b>DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION COMMONWEALTH OF VIRGINIA</b>		
<b>EXPIRES ON</b> 12-31-2013	9960 Mayland Dr., Suite 400, Richmond, VA 23233 Telephone: (804) 367-8500	<b>NUMBER</b> 0407005994
BOARD FOR ARCHITECTS, PROFESSIONAL ENGINEERS, LAND SURVEYORS, CERTIFIED INTERIOR DESIGNERS AND LANDSCAPE ARCHITECTS BUSINESS ENTITY REGISTRATION		
PROFESSIONS: ENG	ENGINEERING & MATERIALS TECHNOLOGIES, INC 7857 COPPERMINE DR MANASSAS, VA 20109	
<small>ALTERATION OF THIS DOCUMENT, USE AFTER EXPIRATION, OR USE BY PERSONS OR FIRMS OTHER THAN THOSE NAMED MAY RESULT IN CRIMINAL PROSECUTION UNDER THE CODE OF VIRGINIA.</small>		
		 Gordon N. Dixon, Director

**NXL**

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

**EXPIRES ON  
12-31-2013**

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

**NUMBER  
0407003031**

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

**PROFESSIONS: ENG, LS**

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



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

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NXL

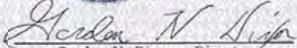
**DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION  
COMMONWEALTH OF VIRGINIA**

EXPIRES ON 02-28-2014	9960 Mayland Dr., Suite 400, Richmond, VA 23233 Telephone: (804) 367-8500	NUMBER 0411000678
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BOARD FOR ARCHITECTS, PROFESSIONAL ENGINEERS, LAND SURVEYORS, CERTIFIED INTERIOR DESIGNERS  
AND LANDSCAPE ARCHITECTS  
BUSINESS ENTITY BRANCH OFFICE REGISTRATION

PROFESSIONS: ENG, LS

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

  
  
Gordon N. Dixon, Director

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# VIRGINIA DPOR REGISTRATION EVIDENCE (Key Personnel)

## Timmons Group

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

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

**EXPIRES ON**  
06-30-2014

**NUMBER**  
0402023346

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

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



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

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

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

**EXPIRES ON**  
01-31-2015

**NUMBER**  
0402042458

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

BRIAN THOMAS COPELAND  
14809 COLONY FOREST COURT  
MIDLOTHIAN, VA 23114



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

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Timmons Group – continued

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

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

**EXPIRES ON**  
07-31-2013

**NUMBER**  
0402045856

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

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



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

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

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

**EXPIRES ON**  
12-31-2013

**NUMBER**  
0402049232

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

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



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

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# Timmons Group – continued

The screenshot shows the Virginia DPOR website interface. The main content area displays the following information for license number 0402049619:

<b>Details of license number 0402049619</b>	
Name:	REEVES, JAMES NATHAN
License Number:	0402049619
License Description:	Professional Engineer License
Address:	MIDLOTHIAN VA, 23112
Initial Certification Date:	October 27, 2011
Expiration Date:	October 31, 2013

Below the license details, there are sections for **Complaints**. It states "No Open Complaints" and "No Closed Complaints". A note explains that open complaints are those with sufficient evidence for investigation, while closed complaints are those without disciplinary action, purged after three years.

At the bottom, it provides contact information for closed complaints: "To inquire about closed complaints, see the department's Public Records Access or contact the department's Information Management Section at (804) 367-8503 or publicrecords@dpor.virginia.gov."

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

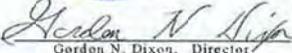
EXPIRES ON  
**01-31-2015**

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

NUMBER  
**0403002287**

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

**MICHAEL DWAYNE DUNEVANT**  
1001 BOJLDERS PKWY  
SUITE 300  
RICHMOND, VA 23225

Gordon N. Dixon, Director

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**KDR**

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

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

**EXPIRES ON**  
11-30-2013

**NUMBER**  
4001 000562

**REAL ESTATE APPRAISER BOARD  
CERTIFIED GENERAL REAL ESTATE APPRAISER**

ALLEN G DORIN JR  
2500 GRENOBLE ROAD  
  
RICHMOND VA 23294

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

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

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

**EXPIRES ON**  
03-31-2013

**NUMBER**  
0225 108043

**REAL ESTATE BOARD - PRINCIPAL BROKER LICENSE  
POST IN A CONSPICUOUS PLACE  
THIS LICENSE TO BE KEPT IN CUSTODY AND CONTROL OF PRINCIPAL BROKER**

ALLEN GUNN DORIN JR  
KDR REAL ESTATE SERVICES INC  
2500 GRENOBLE RD  
RICHMOND VA 23294

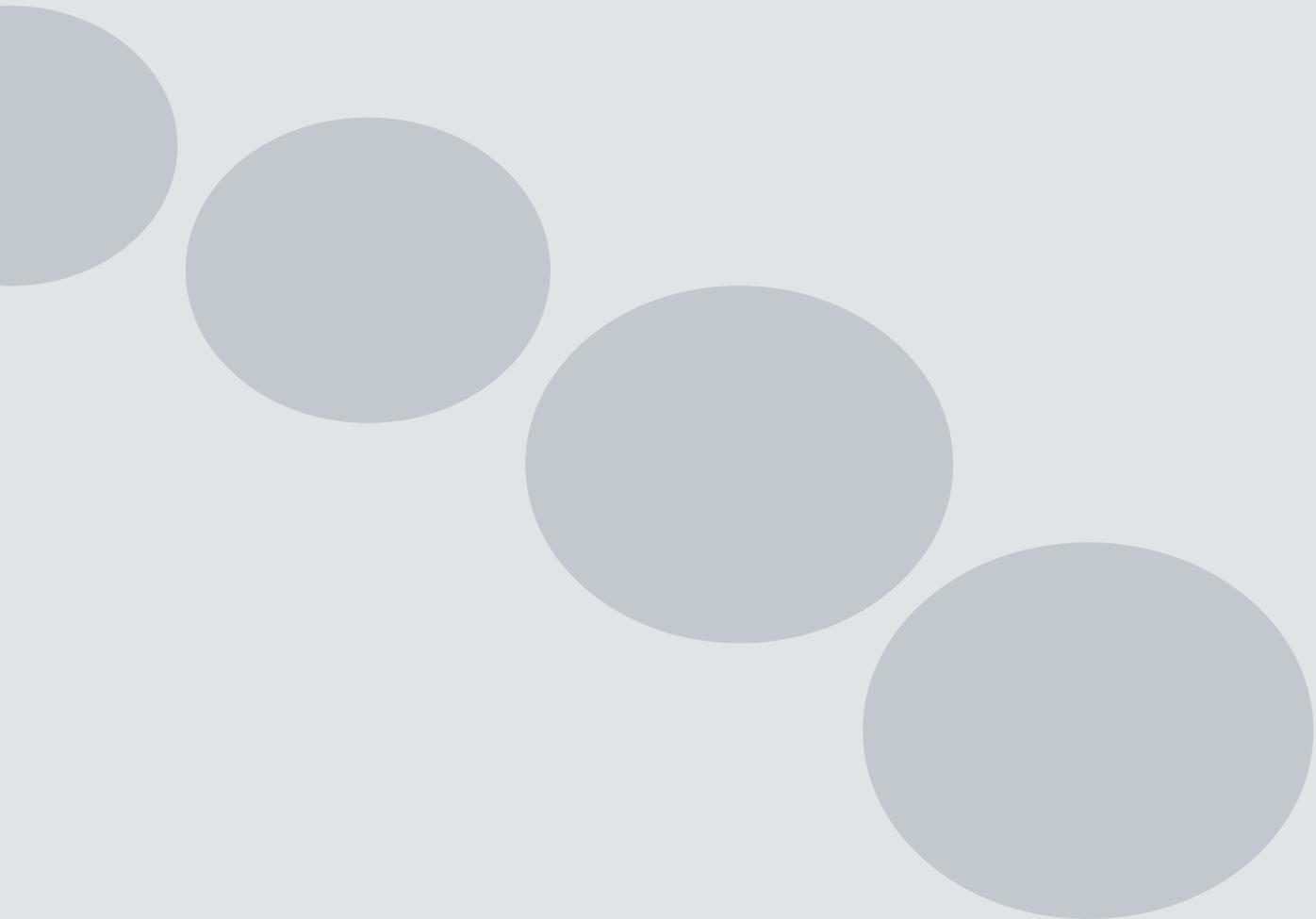
  
*Gordon N. Dixon*  
Gordon N. Dixon, Director

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**VIRGINIA DPOR REGISTRATION EVIDENCE (Non-APELSCIDLA)**

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

# APPENDIX G



**ATTACHMENT 3.3.1**

**KEY PERSONNEL RESUME FORM**

<b>Brief Resume of Key Personnel anticipated for the Project.</b>
a. Name & Title: <b>Josh Williamson, Project Executive</b>
b. Project Assignment: <b>Design-Build Project Manager</b>
c. Name of Firm with which you are now associated: <b>Faulconer Construction Company, Inc.</b>
d. Years of experience: With this Firm <b>9</b> Years With Other Firms <b>4</b> Years Please list chronologically (most recent experience first) your employment history, position and general experience or fields of practice for the last fifteen (15) years. (NOTE: If you have less than 15 years of experience, please list all of your experience for those years you have worked.): <b>Faulconer Construction Company, Inc., Construction Manager, 2004-Present</b> <b>Branch &amp; Associates, Inc., Project Engineer, 2001-2004</b>
e. Education: Name & Location of Institution(s)/Degree(s)/Year/Specialization:  Virginia Polytechnic Institute & State University, Blacksburg, VA/BA/Building Construction/2001
f. Active Registration: Year First Registered/ Discipline/VA Registration #:  2011/VDOT Erosion & Sediment Control Contractor Certification Program/Cert. #5411C, Expires 10/8/2015; 2012/Norfolk Southern E-RailSafe/Badge #809674201348, Expires 2014; 2010/Competent Person Excavation Training; 2011/CPR/First Aid
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>I-81 Truck Climbing Lane MP 125-120, Montgomery County, VA 2010-September 2013</b> As a Project Executive for Faulconer Construction Company, Josh started out as the project's Assistant Project Manager. Through his leadership and deep understanding of the importance of team collaboration, he was promoted to the project's Construction Manager by the CH2M Hill/Faulconer for construction of this \$75 million design-build project in Christiansburg, Virginia. His management duties include oversight of over 50 personnel, monitoring project costs, developing and monitoring project schedules and milestones (using Primavera), preparation of work packages, regulatory compliance, developing risk management and mitigation plans, subcontractor/vendor management, quality control, employee site training and safety training. He provides guidance to entire project team for self-performed work, as well as working with subcontractors and vendors. Having been engaged throughout with the I-81 Truck Climbing Lane project since its earliest pre-Statement of Qualification stages, he has proven his success coordinating and integrating multiple disciplines to achieve project goals and objectives.  <b>University of Virginia (UVA) South Lawn (Early and Final Site Package), Charlottesville, VA 2007-2010</b> Faulconer was contracted directly with UVA to act as the prime site contractor for the \$10 million Early and Final Site Package for the project. Josh was the Project Manager responsible for the delicate orchestration of multiple crews, trade subcontractors and material vendors, all while coordinating and interfacing with multiple trade prime contractors. The scope consisted of clearing, demolition, erosions control, mass excavation, building backfill, fine grading, storm drainage, underground stormwater detention system, biofilters, domestic water service, fire lines, chilled water supply and return lines, medium temperature hot water supply and return lines installed in precast steam tunnel, sanitary sewer, electrical duct bank, telecommunication duct bank, site concrete, site structural concrete (stairs, walls, retaining walls), concrete water circuit, decorative stone surfaces, grass pavers and site furnishings. A significant amount of work took place along, in and under Jefferson Park Avenue (JPA) requiring significant coordination with the City of Charlottesville Transportation, UVA Parking and Transportation and the UVA Hospital. JPA is one of the main arterial routes to the hospital and requires 24 hour unimpeded access to the hospital. Josh was very effective in developing and planning MOT measures as well as a communication plan and a work plan to ensure that the traveling public and emergency vehicles could easily and safely navigate through the work zone without confusion.

**ATTACHMENT 3.3.1**

**KEY PERSONNEL RESUME FORM**

**Josh Williamson, Project Executive, Faulconer Construction Company, Design-Build Project Manager  
– continued**

- g. Document the extent and depth of your experience and qualifications relevant to the Project.
1. Note your specific responsibilities and authorities for each assignment, not those of the firm.
  2. Note whether experience is with current firm or with other firm.
  3. Provide beginning and end dates for each assignment.
- (List at least three (3), but no more than five (5) relevant projects for which you have performed a similar function.)**

**Route 29 Improvements at Hollymead Town Center, Charlottesville, VA 2005-2005**

Falconer was the prime contractor for improvements to a 0.65 mile section of the existing southbound and northbound lanes on Route 29 in Albemarle County. Josh was the Project Manager responsible for improvements including changing the vertical alignment and converting the road from a divided four-lane highway to a divided six-lane highway while continuously maintaining four lanes of traffic. The project included modifications to existing and construction of new turn and taper lanes. The work also included median clearing, pavement demolition, 20,200 CYs of regular excavation, 11,500 CYs of borrow excavation, 1,600 LF of storm drainage, 22 drainage structures, under drains, utility relocation and coordination, 7,000 LF of CG-2 and CG-6, 12,500 TNs of stone base, 13,000 TNs of paving, guardrail and signalization coordination. Several trades such as signalization and final pavement topping were directly contracted by the owner; however, Josh was responsible for the coordination of those trades. The project scope of work also included the relocation of a water and gas main. Proper maintenance and monitoring of the traffic control measures within this heavily traveled and highly congested section of Route 29 was of critical importance in maintaining a safe work zone.

**ATTACHMENT 3.3.1**

**KEY PERSONNEL RESUME FORM**

<b>Brief Resume of Key Personnel anticipated for the Project.</b>
a. Name & Title: <b>Joshua Philip Robert Middleton, Project Manager</b>
b. Project Assignment: <b>Construction Manager</b>
c. Name of Firm with which you are now associated: <b>Faulconer Construction Company, Inc.</b>
d. Years of experience: With this Firm <u>2</u> Years With Other Firms <u>5</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>Faulconer Construction Company, Inc., Project Manager, 2012-Present</b> <b>Faulconer Construction Company, Inc., Assistant Project Manager, 2010-2012</b> <b>American Infrastructure, Field Manager/Assistant Superintendent, 2007-2009</b> <b>American Infrastructure, Project/Operations Engineer, 2005-2007</b>
e. Education: Name & Location of Institution(s)/Degree(s)/Year/Specialization:  Virginia Military Institute, Lexington, VA/BS/Civil Engineering/2003 Virginia Polytechnic Institute & State University, Blacksburg, VA/MS/Construction Management/2004
f. Active Registration: Year First Registered/ Discipline/VA Registration #:  2010/VDOT Erosion & Sediment Control Contractor Certification Program/Cert. #4049C, Expires 10/5/2012; 2009/ATSSA Traffic Control Technician Certification # 0975301; 2005/OSHA 30-Hour Certification # 600046393
g. Document the extent and depth of your experience and qualifications relevant to the Project. <ol style="list-style-type: none"><li>1. <i>Note your specific responsibilities and authorities for each assignment, not those of the firm.</i></li><li>2. <i>Note whether experience is with current firm or with other firm.</i></li><li>3. <i>Provide beginning and end dates for each assignment.</i></li></ol> <b>(List at least three (3), but no more than five (5) relevant projects for which you have performed a similar function.)</b>  <b>I-81 Truck Climbing Lane MP 125-120, Montgomery County, VA 2010-September 2013</b> Joshua is a Project Manager for Faulconer Construction Company and is currently serving as the Assistant Project Manager for this design-build project in Christiansburg, Virginia. He is responsible for scheduling, production analysis, design consulting /development, materials procurement, cost and data tracking and waste mitigation.  <b>Mulligan Road Extension, Fairfax County, VA 2008-2009</b> This \$21 million Federal Highway Administration project consisted of the construction of a new connector road (Mulligan Road) between Richmond Highway (U.S. Route 1) and Telegraph Road (VA Route 611) in the vicinity of Fort Belvoir in Fairfax County, Virginia. The project is located in Fairfax County, approximately 6 miles south of the Capital Beltway (I-495), 3 miles east of I-95, and 6 miles west of George Washington's Mount Vernon estate and the Potomac River. Joshua was the American Infrastructure Assistant Superintendent and Operations Engineer responsible for managing field crews and subcontractors in all aspects of the construction process. Also, worked with the Project Team developing job specific work packets that covered every aspect of the construction process with an emphasis on productivity.  <b>Landfill Expansion, Loudoun County, VA 2007-2008</b> This \$7.5 million project involved expansion of the existing landfill to increase capacity for the County's 5-Year Plan. Joshua was the American Infrastructure Field Manager/Assistant Superintendent who worked with the blasting, excavation and pipe crews, managing daily operations of the crew as well as scheduling work flow to maximize resource utilization.

## ATTACHMENT 3.3.1

### KEY PERSONNEL RESUME FORM

<b>Brief Resume of Key Personnel anticipated for the Project.</b>
a. Name & Title: <b>Christopher Kiefer, PE, Group Leader</b>
b. Project Assignment: <b>Lead Designer</b>
c. Name of Firm with which you are now associated: <b>Timmons Group, Inc.</b>
d. Years of experience: With this Firm <b>25</b> Years With Other Firms <b>0</b> Years Please list chronologically (most recent experience first) your employment history, position and general experience or fields of practice for the last fifteen (15) years. (NOTE: If you have less than 15 years of experience, please list all of your experience for those years you have worked.): <b>Timmons Group, Inc., Group Leader for Transportation, April 2003-Present</b> <b>Timmons Group, Inc., Assistant Department Manager for Transportation, September 1994-April 2003</b> <b>Timmons Group, Inc., Project Manager, Transportation, September 1990-September 1994</b> <b>Timmons Group, Inc., Project Engineer, Transportation, January 1988-September 1990</b>
e. Education: Name & Location of Institution(s)/Degree(s)/Year/Specialization:  University of Notre Dame, South Bend, IN/BS/1988/Civil Engineering
f. Active Registration: Year First Registered/ Discipline/VA Registration #:  1992/Professional Engineer/VA/#023346
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>I-95/Russell Road Interchange Improvements, Marine Corps Base, Quantico, VA 2009-2011</b> As part of the Hensel Phelps design-build team, Timmons Group provided civil engineering, environmental, landscape architecture and land surveying services for the \$315 million MDIA Headquarters at Marine Corps Base Quantico. Chris was the Transportation Group Leader responsible for all transportation aspects of this project included the following: <ul style="list-style-type: none"><li>✓ Widening over two (2) miles of Russell Road from a 2-lane rural to a 4-lane urban section;</li><li>✓ Designing nearly 1,000' of new 4-lane roadway and intersection turn lane improvements;</li><li>✓ Refurbishing an existing 2-lane bridge and designing a new 3-lane bridge founded on drilled shaft pilings with scour countermeasures and other safety features (bridge design performed by subconsultant);</li><li>✓ Increasing the capacity of the I-95 interchange (Exit 148) by widening and reconfiguring the existing ramps to accommodate the increased traffic demands associated with the new facility;</li><li>✓ Designing five (5) new signalized intersections, three (3) associated with the interchange and two (2) adjacent to Quantico's main entrances;</li><li>✓ Incorporating 600' of roadside retaining walls due to limited right-of-way availability;</li><li>✓ Resurfacing and rehabilitating bituminous roadways to comply with applicable VDOT and UFC standards;</li><li>✓ Developing extensive drainage improvements and stormwater management facilities to satisfy Virginia stormwater regulations;</li><li>✓ Protecting and relocating MCBQ fiber optic lines and private utilities to accommodate roadway improvements;</li><li>✓ Preparing a "Type C" (most stringent VDOT requirement) Transportation Management Plan (TMP) that includes detailed traffic operations modeling and maintenance of traffic plans illustrating how lane closures will impact traffic operations;</li><li>✓ Performed environmental investigations and permitting for the project;</li><li>✓ Coordinating with VDOT and FHWA on an Interchange Modification Report;</li><li>✓ Performed supplemental survey/base mapping, construction staking and construction administration duties;</li><li>✓ Developing traffic signal timing plans for three (3) temporary signals necessitated by lane closures and limited ramp capacity during key stages of construction; and</li><li>✓ Mitigating poor subsurface conditions, including high groundwater, corrosive Quantico slate and unforeseen buried debris</li></ul>

## ATTACHMENT 3.3.1

### KEY PERSONNEL RESUME FORM

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

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

#### **Routes 288 and 60 Roadway Improvements, Chesterfield County, VA 2009-2010**

Timmons Group, Richmond office staff, provided surveying and engineering design services for over \$20 million worth of roadway improvements associated with 4 million square feet of office/retail development at the interchange of Route 60 and Route 288 in western Chesterfield. Chris was the Transportation Project Manager responsible for the roadway work that included:

- ✓ US Route 60: The transformation of over 1 mile of an existing four-lane divided rural principal arterial roadway into an eight-lane urban corridor (12 lanes with turn lanes). This work included utility coordination, traffic signalization, extensive intersection improvements and right-of-way acquisition assistance
- ✓ Watkins Centre Parkway/Otterdale Road: 3,000 feet of new four-lane divided urban collector as well as the widening of over 2,500 feet of existing roadway and design of four roundabouts; and
- ✓ VA Route 288 – Approximately 2 miles of widening along this limited access highway including collector-distributor roadways, four new ramps and ramp connections. Work includes construction of a collector/distributor roadway in addition to the new ingress/egress points.

Construction started with an early land disturbance package while final design continued. This work was coordination like a design-build contract in order to save time.

#### **US Route 17 Improvements, Chesapeake, VA 1999-2006**

Chris was the Timmons Group, Richmond, Transportation Group Leader responsible for design of plans for improvements to 18.7 km (11.6 miles) of U.S. Route 17 resulting in a 4-lane divided highway on a new alignment from the North Carolina State Line to Route 104 (Dominion Boulevard). The project included approximately 33 acres of wetlands impacts.

#### **VDOT Traffic Engineering and Transportation Planning Term Contract, Central Region (Richmond and Fredericksburg Districts), VA 2011-2014**

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

#### **Route 360 (Hull Street Road) Widening and Reconstruction, Chesterfield County, VA 1994-1995**

Chris was the Civil Engineering Project Manager in the Richmond office to work on this project that involved widening and reconstruction of 2.2 miles of Route 360 (Hull Street Road) from just east of the interchange with Route 288 to Harbour Pointe Parkway. This major urban arterial was widened from four to six lanes to help alleviate severe traffic congestion problems during the a.m. and p.m. peak hours. The work included tie to interchange ramps, permitting, base mapping, geotechnical, utility coordination, construction administration and inspection.

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

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

Chris was called upon to make additional spot improvements in the corridor in 2009.

**ATTACHMENT 3.3.1**

**KEY PERSONNEL RESUME FORM**

<b>Brief Resume of Key Personnel anticipated for the Project.</b>
a. Name & Title: <b>Kenneth J. Shirley, PE, CCM, VA Operations Manager</b>
b. Project Assignment: <b>Quality Assurance Manager</b>
c. Name of Firm with which you are now associated: <b>EBA Engineering, Inc.</b>
d. Years of experience: With this Firm <b>1</b> Year With Other Firms <b>19</b> Years Please list chronologically (most recent experience first) your employment history, position and general experience or fields of practice for the last fifteen (15) years. (NOTE: If you have less than 15 years of experience, please list all of your experience for those years you have worked.): <b>EBA Engineering, Inc., Operations Manager</b> supervising construction engineering and inspection contracts and providing construction engineering/management QA/QC services as needed, October 2011-present. <b>VDOT, Culpeper District Construction Engineer (DCE)</b> managing the district materials laboratory and road and bridge contract administration program directly overseeing QA/QC efforts of materials, inspection and project documentation, February 2006- October 2011. <b>VDOT, Fredericksburg DCE</b> managing the road and bridge contract administration program directly overseeing QA/QC efforts of materials, inspection and project documentation, August 2005-February 2006. <b>VDOT, Fredericksburg Residency Administrator</b> managing the land use, maintenance and construction program for three counties, August 2004 – August 2005. Carter & Burgess, Inc., Consultant <b>Resident Engineer</b> for Arkansas Highway and Transportation Department providing direct construction engineering and inspection management of three contracts totaling \$37M interpreting contract specifications, resolving disputes and notice of intents, reviewing CPM schedules and adhering to QA/QC protocol, May 2002 – August 2004. Texas Department of Transportation ( <b>TxDOT</b> ), Southwest Dallas County <b>Assistant Area Engineer</b> managing the design, construction and maintenance programs for \$250M in contracts and 9 <sup>th</sup> largest maintenance section in the State, July 2001 to May 2002. <b>TxDOT, Project Engineer/Manager</b> providing direct construction engineering and inspection management services to ensure QA/QC compliance on projects ranging from \$700k to \$95M in bid value, August 1995 – July 2001. <b>TxDOT, Project Designer</b> providing design services related to roads, bridges and special culverts, July 1992- August 1995.
e. Education: Name & Location of Institution(s)/Degree(s)/Year/Specialization: University of Texas at Arlington, Arlington, TX/BS/1992/Civil Engineering University of Texas at Dallas, Richardson, TX/MS/1999/Management and Administrative Sciences
f. Active Registration: Year First Registered/ Discipline/VA Registration #: 2004/Civil Eng/VA 040380; 2011/Civil Eng/DC 906475; 2011/Cert Const Mgr/CMAA A2102; 2012/Const Quality Mgmt (CQM) Certification
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 3 Widening, Culpeper, VA 2006-2007</b> As the VDOT District Construction Engineer, Mr. Shirley resolved issues pertaining to access, construction techniques, construction re-sequencing to expedite project delivery, issue resolution of notice of intents and disputes of a major rural and divided highway widening. Mr. Shirley implemented weekly, onsite mini-QA reviews of the project to ensure project contract compliance in preparation for CQIP audit of 94.1%.  <b>Route 7015 Widening, Culpeper County, VA 2008-2009</b> Mr. Shirley was the VDOT District Construction Engineer where he resolved issues pertaining to access, construction techniques, construction re-sequencing to expedite project delivery and overcome delays by utility owners, issue resolution of notice of intents and disputes for a high-profile widening of a primary highway in the retail district of the Town of Culpeper with stormwater detention measures, pedestrian facilities and scheduled re-opening prior to holiday shopping season. Mr. Shirley implemented advanced QA peer reviews of the project to ensure project contract compliance in preparation for CQIP audit of 93.6%. The project was delivered 13 days early, under budget and 100% environmentally compliant.

**ATTACHMENT 3.3.1**

**KEY PERSONNEL RESUME FORM**

**Kenneth J. Shirley, PE, CCM, VA Operations Manager, EBA Engineering, Inc., Quality Assurance Manager – *continued***

- g. Document the extent and depth of your experience and qualifications relevant to the Project.
1. *Note your specific responsibilities and authorities for each assignment, not those of the firm.*
  2. *Note whether experience is with current firm or with other firm.*
  3. *Provide beginning and end dates for each assignment.*

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

**Route 229 Widening, Culpeper County, VA 2009-2010**

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

**Route 631 Meadow Creek Parkway, Albemarle County, VA 2009-2011**

As the VDOT District Construction Engineer, Mr. Shirley resolved issues pertaining to access, construction techniques, construction re-sequencing to expedite project delivery and overcome three months of delays by utility and railroad conflicts (having developed the advertised sequence of construction), issue resolution of notice of intents and disputes, work order initiation, negotiation and approval, and coordination of stakeholder public information of a high-profile, new location parkway with context sensitive roadway elements, sanitary sewer construction, advanced stormwater detention measures, vehicular and pedestrian structures, multi-use path and extensive landscaping. Additionally, Mr. Shirley provided expert witness testimony against a potential injunction to cease project activities during the clearing, grubbing and mass excavation/ embankment phase of the project. He implemented advanced QA reviews of the project to ensure project contract compliance in preparation for CQIP audit of 91.0%. The project was delivered early and under budget with 100% Environmentally Compliant Reports.

**ATTACHMENT 3.3.1**

**KEY PERSONNEL RESUME FORM**

<b>Brief Resume of Key Personnel anticipated for the Project.</b>
a. Name & Title: <b>William J. (Jim) Marston</b>
b. Project Assignment: <b>Lead Utility Coordination Manager</b>
c. Name of Firm with which you are now associated: <b>Timmons Group, Inc.</b>
d. Years of experience: With VDOT <b>37</b> Years With Other Firms <b>0</b> Years Please list chronologically (most recent experience first) your employment history, position and general experience or fields of practice for the last fifteen (15) years. (NOTE: If you have less than 15 years of experience, please list all of your experience for those years you have worked.): <b>Timmons Group, Inc., Lead Utility Coordination Manager, Upon Award of Route 3 Widening Contract VDOT, Right-of-Way &amp; Utility, District Utility Engineer and Assistant State Utility Engineer, 1984 -2007</b> <b>VDOT Technician, Program and Scheduling Division, 1983-1984</b> <b>VDOT Bridge Safety Inspector, Richmond District Bridge Section, 1972-1982</b>
e. Education: Name & Location of Institution(s)/Degree(s)/Year/Specialization: Lees-McRae College/Banner Elk, NC/2 years of Liberal Arts
f. Active Registration: Year First Registered/ Discipline/VA Registration #: None
g. Document the extent and depth of your experience and qualifications relevant to the Project. <ol style="list-style-type: none"><li>1. <i>Note your specific responsibilities and authorities for each assignment, not those of the firm.</i></li><li>2. <i>Note whether experience is with current firm or with other firm.</i></li><li>3. <i>Provide beginning and end dates for each assignment.</i></li></ol> <b>(List at least three (3), but no more than five (5) relevant projects for which you have performed a similar function.)</b>  <b>I-95 Atlee Elmont Intersection, Hanover County, VA 1999-2002</b> This project was located on Route 95 just north of the Henrico County line and consisted of the relocation of Sliding Hill Road and the ramps for the road to new locations. As VDOT District Utility Engineer, Mr. Marston coordinated the relocation of all utilities to insure the contractor could begin construction on time and complete the project with the minimum of utility conflicts; coordinated the relocation of a major gas transmission pipeline without causing any conflicts with the contractor; worked with Dominion Virginia Power Transmission, Dominion Virginia Power Distribution, Verizon underground and overhead, Comcast, and Virginia Natural Gas and coordinated with a utility design consultant to design relocation plans for the County of Hanover Water & Sanitary Sewer facilities. The plans were then made a part of the final construction plans.  <b>Route 1 Bridge Over the Appomattox River between Colonial Heights and Petersburg, VA 2005-2008</b> This project was for the replacement of the bridge on Route 1 across the Appomattox River. Mr. Marston coordinated the relocation of major utility companies, coordinated relocation of Dominion Virginia Power Transmission facilities before work could begin on the Colonial Heights side of the bridge due to conflicts with crane operations; coordinated relocation of Verizon during bridge work to make sure service for telephone was not compromised and contractor was not held up and coordinated with design consultant to design relocation plans for both Cities to remove any conflicts with their facilities. These plans were then made a part of the construction plans.  <b>Route 33 Standardsville By Pass, Town of Standardsville, Greene County, VA 1997-1998</b> This project was for the relocation of Route 33 to a new location from a point about 2 miles east of the Town of Stanardsville to a point about 3 miles west. As District Utility Engineer, Jim Marston coordinated relocation of Dominion Virginia Power, Rappahannock Electric Co-op, Transmission Gas and Verizon Telephone.  <b>Fairfax County Parkway, Fairfax County, VA 1990-1993</b> There were several projects that made up the construction of the Parkway. This was a major roadway project, some of which was on new location while several miles consisted of widening of existing roadway. As Assistant State Utility Engineer Mr. Marston's main responsibility on these projects was to coordinate with the Fairfax County Water Authority and other water and sanitary sewer companies to make sure their facilities were relocated in a timely manner so as to not disrupt service to the public and keep the highway contractor on schedule. Jim also aided the VDOT District Utility Engineer in any manner possible.

**ATTACHMENT 3.3.1**

**KEY PERSONNEL RESUME FORM**

<b>Brief Resume of Key Personnel anticipated for the Project.</b>
a. Name & Title: <b>Allen G. Dorin Jr., MAI, SRA, RW-NAC</b>
b. Project Assignment: <b>Right-of-Way Manager</b>
c. Name of Firm with which you are now associated: <b>KDR Real Estate Services</b>
d. Years experience: With this Firm <b>10</b> Years With Other Firms <b>36</b> Years Please list chronologically (most recent experience first) your employment history, position and general experience or fields of practice for the last fifteen(15) years. (NOTE: If you have less than 15 years of experience, please list all of your experience for those years you have worked.):  <b>1996 to Present – KDR Real Estate Services, Inc./Knight Dorin &amp; Rountrey - Principal-in-Charge.</b> Mr. Dorin’s primary experience has been as a real estate appraiser for over 36 years. He has appraised a wide variety of property types with a concentration in eminent domain assignments. He has qualified as an expert witness in most of the localities in the Richmond MSA as well as other Virginia localities. He has testified in over 30 condemnation trials. He has managed numerous right-of-way and acquisition projects including negotiations with property owners. As the principal-in-charge, his primary focus is on marketing and contracting the company’s services, resource management, and general administration of land acquisition projects.  <b>1986 – 1995 – Knight Dorin &amp; Rountrey – President.</b> Prior to the company’s entering the right-of-way consultant field, Mr. Dorin participated in the management of an appraisal company and performed appraisals on a wide variety of commercial real properties with a specialization in eminent domain assignments.
e. Education: Name & Location of Institution(s)/Degree(s)/Year/Specialization: University of Virginia, Charlottesville, VA/BS/1972/Commerce Virginia Commonwealth University, Richmond, VA/MS/1975/Real Estate and Urban Land Development
f. Active Registration: Year First Registered/ Discipline/VA Registration #: 1992/Virginia Certified General Appraiser/#4001 000562 1979/Virginia Real Estate Broker/15685
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>Boulevard Safety and Improvement Project, Colonial Heights, VA 2012-Present</b> KDR Principal In Charge responsible for coordination of RFP response and marketing efforts to primary consultant to obtain award of project. Provided preliminary right-of-way cost estimates, devised delivery schedule of right-of-way, contracted with appraiser subconsultant, consulting with appraiser on valuation issues, providing project oversight assistance, approving and coordinating invoicing and contractual issues with primary consultant. The project involved 39 parcels and an estimated \$334,000 budget.

**ATTACHMENT 3.3.1**

**KEY PERSONNEL RESUME FORM**

**Allen G. Dorin, Jr., MAI, SRA, RW-NAC, Principal, KDR, Right-of-Way Manager– *continued***

- g. Document the extent and depth of your experience and qualifications relevant to the Project.
1. *Note your specific responsibilities and authorities for each assignment, not those of the firm.*
  2. *Note whether experience is with current firm or with other firm.*
  3. *Provide beginning and end dates for each assignment.*

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

**Poplar Road Improvement Project, Stafford County, VA 2011-2011**

KDR Principal In Charge responsible for Coordination of RFP response and marketing efforts to primary consultant to obtain award of project. Provided preliminary right-of-way cost estimates, devised delivery schedule of right-of-way, contracted with appraiser subconsultant, consulting with appraiser on valuation issues, providing project oversight assistance, approving and coordinating invoicing and contractual issues with primary consultant. The project involved 25 parcels and a \$76,000 budget.

**Colonial Beach Bridge Project, Westmoreland County, VA 2011-2011**

KDR Principal In Charge responsible for this project initiated through an on-call contract with VDOT as the selected right-of-way consultant. Prepared cost proposal and delivery schedule, contracted and consulted with appraiser subconsultants, approved and coordinated invoicing process, general project oversight. The project involved 14 parcels and an \$85,000 budget.

**ECTI Fluvanna Water Line, Fluvanna, VA 2003-2003**

KDR Principal In Charge responsible for RFP response for coordination and marketing efforts to primary consultant to obtain award of project. Provided preliminary right-of-way cost estimates, devised delivery schedule of right-of-way, contracted with appraiser subconsultant, consulting with appraiser on valuation issues, providing project oversight assistance, approving and coordinating invoicing and contractual issues with primary consultant. The project involved 78 parcels and a \$200,000 budget.

**ATTACHMENT 3.4.1(a)**

**LEAD CONTRACTOR - WORK HISTORY FORM**

**(LIMIT 1 PAGE PER PROJECT)**

a. Project Name & Location	b. Name of the prime design consulting firm responsible for the overall project design.	c. Contact information of the Client or Owner and their Project Manager who can verify Firm's responsibilities.	d. Contract Completion Date (Original)	e. Contract Completion Date (Actual or Estimated)	f. Contract Value (in thousands)		g. Dollar Value of Work Performed by the Firm identified as the Lead Contractor for this procurement.(in thousands)
					Original Contract Value	Final or Estimated Contract Value	
Name: Interstate 0081 Truck Climbing Lane, MP 125-120  Location: Montgomery County, VA	Name: CH2M Hill (Design-Builder)	Name of Client.: VDOT Phone: 804.786.4798 Project Manager: Bobby Phlegar, PE Phone: 540.378.5083 Email: R.Phlegar@VDOT.Virginia.gov	09/2013	09/2013	\$75,370	\$76,100	\$14,404

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

This Federal Oversight project is located in Montgomery County, Virginia facilitates the addition of a Truck Climbing Lane in the southbound direction of Interstate 81. The total project length is approximately 5 miles including necessary tapers and transitions. The project includes the construction of: (a) a truck climbing lane including all drainage improvements; (b) replacement of three bridges located at route 641, route 641, and route 636; (c) improvements of existing I-81 southbound left and right shoulders; (d) upgrading all guardrails, transitions and end treatments; (e) retaining walls as needed and (f) widening and improvements at bridge connections.

Through an Executed "Teaming Agreement" Faulconer Construction's Charlottesville, VA office partnered as a dedicated equity partner with the Design-Builder CH2MHill. Faulconer has been engaged in, and has worked on, this project since before the Statement of Qualification was submitted by CH2MHill. Faulconer has worked with the team's designers to validate the proposed design, identify concerns, and established the construction sequencing. Through an understanding of local conditions and experience with blasting and excavation and drainage work, Faulconer has provided the lead in moving over 1,055,000 cubic yards of mass rock and earth; 19,000 linear feet of utilities; over 200,000 tons of stone and select material; performed erosion and sediment control, under drain, landscaping and maintenance of traffic services.

Due to the nature of the project and its proximity/impact on the traveling public, Faulconer has worked to establish a safe construction process. Through a concerted team project management effort, Faulconer has worked with the design team, in conjunction with the Owner, to provide an integrated construction process to deliver the project with the least impact to interstate traffic/commerce.

Through Faulconer's leadership, commitment and understanding of the project and the design-build process, the CH2MHill/Faulconer management committee ultimately selected Faulconer's Josh Williamson as the project's Construcion Manager. He has continued to prove his leadership abililtes and deep understanding of the importance of team collaboration.



**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: Meadow Creek Parkway (now John Warner Parkway)  Location: Charlottesville, VA	Name: VDOT Phone: 540.829.7785 Greg Krystyniak, PE Email: G.Krystyniak@VDOT.Virginia.gov	Name of Client./Owner: VDOT Phone: 434.951.6430 Project Manager: Maurice Mackenzie, PE Phone: 434.951.6430 Email: Maurice.Mackenzie@VDOT.Virginia.gov	10/2011	10/2011	\$11,800	\$14,880	\$6,808

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.

Faulconer Construction, Charlottesville, Virginia, was awarded the \$11.8 million Phase I portion of the new Meadow Creek Parkway in late 2008 and began the project in 2009. The project runs from East Rio Road south to the Charlottesville City limits at Melbourne Road. The project provides additional capacity and an alternate route for traffic headed toward Charlottesville from the north. The Parkway will ultimately connect the Route 250 Bypass to East Rio Road by means of a two-lane parkway. Phase I project elements included: 1.4 miles of road; three bridges; over 77,000 cubic yards of mass rock and earth; 53,000 cubic yards of borrow material; 9,600 linear feet of storm sewer pipe and associated drainage structures; box culvert, 40,000 tons of stone and asphalt, 14,000 linear feet of concrete curb, 5,800 linear feet of utilities, signalization and landscaping.

Due to the high level of public interest, sensitivity and somewhat contentious nature of the project, from the onset the team faced outside challenges from trespassers, vandals and even arsonist. As a result of the communication and cooperation between all project stakeholders, these outside challenges were easily addressed, dealt with and mitigated in a single unified voice as the project progressed.

Advance planning and notification of potential impacts to the public minimized any major disruptions to the advancement of work or to the community. Faulconer's spirit of cooperation and commitment kept the project on track. The project was successfully constructed on schedule and allowed for enhanced safety for motorists using the road as well as those entering and leaving the school and nearby businesses and communities.

As a part of the contract, Faulconer engaged in VDOT's formal partnering process with VDOT, subcontractors and other stakeholders in the project. Partnering promotes communication and cooperation in order to achieve a successful project. Through the initial partnering meeting several goals were established by the project team. These were safety, quality, on time and on budget completion. VDOT later commented that Faulconer's personnel's "commitment to meet the established goals from the formal partnering kick-off meeting was exemplified each and every day of the project."

The overall guiding principles of the CQIP program are to assess process integrity, aligned quality performance goals and to advise and communicate constructively. With hundreds of items evaluated for compliance with the contract requirements, only in one instance did the team not meet the targeted score missing the goal by less than one percent. The remaining targeted scores for compliance and quality improvement on the project were met and exceeded. This effort would not have been successful without the team maintaining their professionalism by having a positive, team focused, and service oriented attitude while remaining transparent through open and honest communication. As Robert N. Marshall, the CQIP Regional Engineer stated, "I would like to recognize the professionalism exempted by the Project Management Staff from Faulconer, Fairfield, and VDOT; it was a pleasure to work with the entire project team during the recent CQIP study."



**ATTACHMENT 3.4.1(a)**

**LEAD CONTRACTOR - WORK HISTORY FORM**

**(LIMIT 1 PAGE PER PROJECT)**

a. Project Name & Location	b. Name of the prime design consulting firm responsible for the overall project design.	c. Contact information of the Client or Owner and their Project Manager who can verify Firm's responsibilities.	d. Contract Completion Date (Original)	e. Contract Completion Date (Actual or Estimated)	f. Contract Value (in thousands)		g. Dollar Value of Work Performed by the Firm identified as the Lead Contractor for this procurement.(in thousands)
					Original Contract Value	Final or Estimated Contract Value	
Name: Route 29 Improvements at Hollymead Town Center  Location: Charlottesville, VA	Name: Rivanna Engineering and Surveying, PLC (no longer in business). The contact for original lead designer: Tim Miller, Meridian Planning Group, LLC; 434.882.0121; tmiller@meridianwbe.com	Name of Client./Owner: Regency Centers, LLC Phone: 703.442.4300 Project Manager: John Fitzpatrick Phone: 703.442.4300 Email: jfitzpatrick@regencycenters.com	07/2005	07/2005	\$4,041	\$4,205	\$4,041

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

This project involved changing the vertical alignment and addition of a new third lane for both the Southbound and Northbound lanes of Route 29 in Albemarle County. The project also included modifications to existing and construction of new turn and taper lanes. Faulconer Construction, Charlottesville office, was the prime contractor for improvements to a 0.65 mile section of the existing southbound and northbound lanes on Route 29. Improvements included changing the vertical alignment and converting the road from a divided four-lane highway to a divided six-lane highway while continuously maintaining four lanes of traffic.

The scope of work included: median clearing; pavement demolition; 20,200 cubic yards of regular excavation; 11,500 cubic yards of borrow excavation; 1,600 linear feet of storm drainage; 22 drainage structures; under drains; utility relocation and coordination; 7,000 linear feet of CG-2 and CG-6; 12,500 tons of stone base; 13,000 tons of paving and guardrail and signalization coordination. Several trades such as signalization and final pavement topping were directly contracted by the Owner; however, Faulconer was responsible for the coordination of those trades.

The project also included the relocation of a water and gas main. Proper maintenance and monitoring of the traffic control measures within this heavily traveled and highly congested section of Route 29 was of critical importance in maintaining a safe work zone.



**ATTACHMENT 3.4.1(b)**

**LEAD DESIGNER - WORK HISTORY FORM**

**(LIMIT 1 PAGE PER PROJECT)**

a. Project Name & Location	b. Name of the prime/general contractor responsible for overall construction of the project.	c. Contact information of the Client and their Project Manager who can verify Firm's responsibilities.	d. Construction Contract Completion Date (Original)	e. Construction Contract Completion Date (Actual or Estimated)	f. Contract Value (in thousands)		g. Design Fee for the Work Performed by the Firm identified as the Lead Designer for this procurement.(in thousands)
					Construction Contract Value (Original)	Construction Contract Value (Actual or Estimated)	
Name: Routes 288 and 60 Roadway Improvements  Location: Chesterfield County, VA	Name: American Infrastructure	Name of Client.: Zaremba Group Phone: 703.442.9500 Project Manager: Alan Bellis Phone: 703.442.9500 Email: abellis@zarembagroup.com	2009	2009	\$20,000	\$20,000	\$275

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

**Timmons Group** was the prime designer, and their Richmond office provided surveying and engineering design services for over \$20 million worth of roadway improvements at the interchange of Route 60 and Route 288 in Chesterfield County. The roadway design work was managed by Chris Kiefer, PE and included:

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

**Project Highlights**

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

**Services**

- ✓ Survey and Base Mapping
- ✓ Coordination with VDOT and County staff
- ✓ Roadway & Roundabout Design
- ✓ Drainage Design & Stormwater Management
- ✓ Interchange Design
- ✓ Collector/Distributor Roadway Design



**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: US Route 17 Improvements  Location: Chesapeake, VA	Name: Barnhill Contracting	Name of Client: VDOT Hampton Roads Phone: 757.925.2500 Project Manager: Dennis Heuer, PE Phone: 757.925.2500 Email: Dennis.Heuer@VDOT.virginia.gov	2005	2005	\$65,000 (VDOT budget)	\$40,186 (final construction)	\$2,500

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

**Timmons Group** was the prime designer, and their Richmond office provided VDOT's Hampton Roads District with plans for improvements to 18.7 km (11.6 miles) of U.S. Route 17 resulting in a 4-lane divided highway on a new alignment from the North Carolina State Line to Route 104 (Dominion Boulevard). Timmons Group was originally hired by VDOT to survey and design the widening of the existing 2-lane alignment, however potential impacts to adjacent wetlands and the Dismal Swamp Canal (owned and controlled by the U.S. Army Corps of Engineers) required a new alignment to be developed, reducing wetland impacts from approximately 55 acres to 25 acres.

Chris Kiefer was the project manager for the project. Under his direction, Timmons Group provided the following services:

- ✓ Aerial photogrammetric mapping (utilizing Barton Aerial Technologies)
- ✓ Supplemental field survey and cross sections (utilizing Precision Measurements, Inc.)
- ✓ Horizontal & vertical alignments
- ✓ Intersection layout & design
- ✓ Hydrology and hydraulics (utilizing Chi Associates)
- ✓ Storm drainage design & stormwater management (utilizing Chi Associates)

**Project Highlights**

- ✓ The 109,000-acre Great Dismal Swamp provides habitat and refuge to roughly 350 black bears; a study by Virginia Tech was performed to help determine where these bears tend to cross Route 17 and wildlife crossings were incorporated into the final project design
- ✓ The design of storm drainage and stormwater management facilities was a challenge due to the extremely flat (zero-percent) grades, combined with the prohibition of directing any additional stormwater towards the Dismal Swamp Canal
- ✓ At VDOT's request, Timmons Group crashed the schedule to advertise the project for construction early. The result was a significant cost savings for the VDOT as the low bid (\$41 million) came in *approximately 35% lower* than the \$65 million budget (estimated at public hearing stage). A diligent contractor (Barnhill) and high-quality construction plans kept the final contract amount to within 3% of the original bid
- ✓ In 2004, the project received the Exemplary Ecosystem Initiative award from the Federal Highway Administration for protecting wildlife and preserving the Great Dismal Swamp ecosystem
- ✓ In 2007, the project received an Engineering Excellence Award from ACEC-Virginia



**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: Route 10 Improvements (Frith to Greenyard)  Location: Chesterfield County, VA	Name: Blakemore Construction	Name of Client.: Chesterfield County Transportation Dept. Phone: 804.784.1037 Project Manager: John McCracken Phone: 804.784.1037 Email: mcrackenj@chesterfield.gov	May 2012	August 2012 (project was extended using contingency funds)	\$3,467	\$4,195 (project was extended using contingency funds)	\$388 (includes CA services)

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

**Timmons Group** was the prime designer, and their Richmond office provided civil engineering and construction administration services for the widening of 1.5 miles of VA Route 10 (Iron Bridge Road) between Frith Lane and Greenyard Road in the courthouse area of Chesterfield County. The overall design concept was to improve the corridor from a four-lane, divided developed corridor to a modern six-lane, divided facility with enhanced access management.

Chris Kiefer was the project manager for the project. Under his direction, Timmons Group provided the following services:

- ✓ Survey & base mapping
- ✓ Environmental investigations & permitting
- ✓ Geotechnical investigations
- ✓ Roadway and intersection layout & design
- ✓ Hydrology and hydraulics, erosion & sediment control design
- ✓ Outfall evaluation, water quality analysis & stormwater management

**Project Highlights**

- ✓ Design in a tight urban corridor that had development underway at various stages of construction
- ✓ Design included a relocation of approximately 2,000 feet of 16" asbestos cement water main immediately adjacent to traffic, involving a deep bore and tie-in across eight lanes of Route 10
- ✓ Coordination with VDOT on the design and construction of five (5) traffic signals within the corridor
- ✓ Design of a major intersection improvements at Route 10 and Beach Road that included the addition of dual lefts from Route 10 onto Beach Road and the widening of approximately 1,600 feet of Beach Road
- ✓ Utility coordination and conflict resolution required extra effort to come up with a design that minimized the impacts and avoided the need to relocate major power and telecommunication facilities
- ✓ The design of off-site improvements adjacent to the corridor (betterment) was completed within one month when it was determined that the contingency budget (along with additional funding) was available

