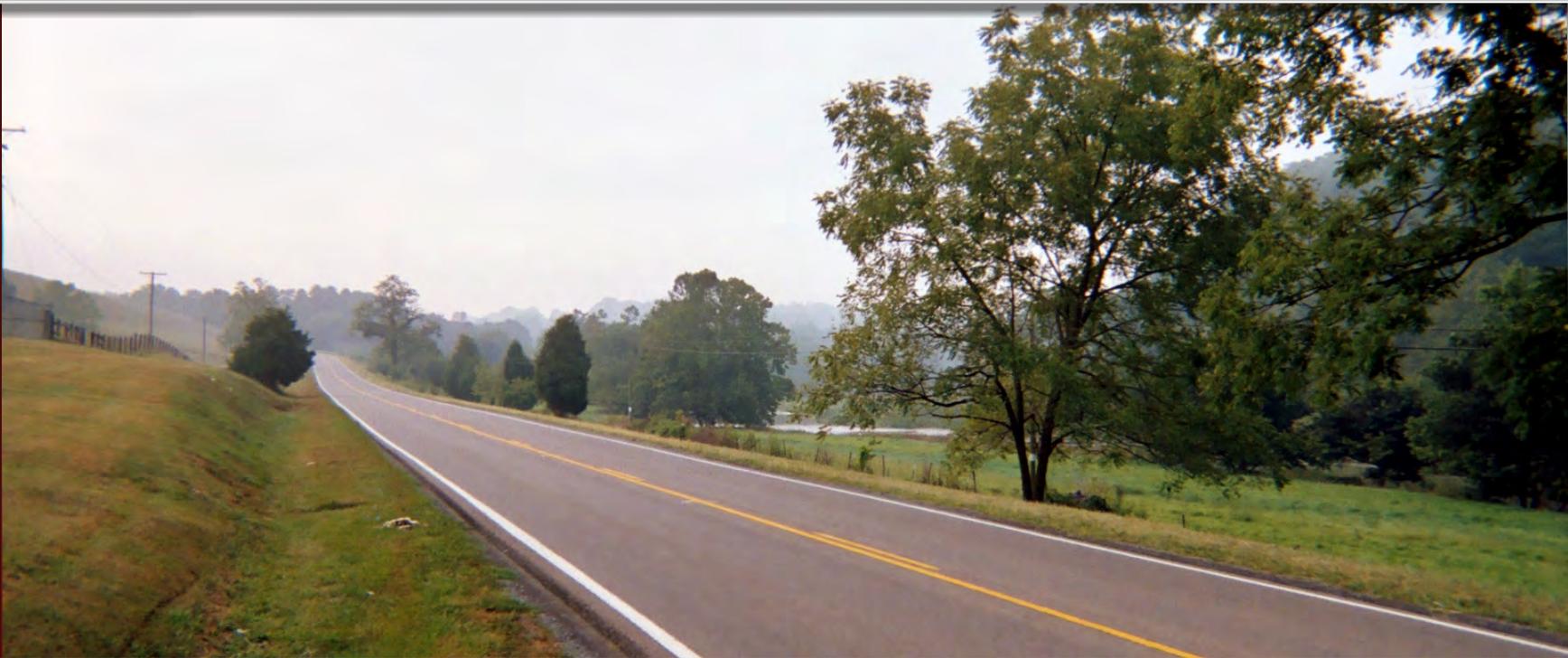


# Route 3 Widening

Culpeper County, Virginia  
A Design-Build Project

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



Submitted to:



Submitted by:

**LANE**

In association with:

**RK&K**

January 25, 2013



## *3.2 Letter of Submittal*

**LANE**

**RK&K**



14500 Avion Parkway, Suite 200  
Chantilly, VA 20151  
Ph: (703) 222-5670  
Fax: (703) 222-5960

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

January 25, 2013

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

Dear Mr. Clarke:

The Lane Construction Corporation (LANE) is pleased to present this Statement of Qualifications (**Section 3.2**) for the above-referenced project to the Virginia Department of Transportation (VDOT). LANE was founded in 1890 and is one of the nation's top-rated heavy civil construction companies. LANE specializes in the construction of high quality bridges, highways, locks, dams, mass-transit and airport systems. LANE has successfully completed projects in the Commonwealth of Virginia for nearly four decades and in its 122-year history, LANE has never failed to complete a contract.

LANE understands the importance of the Design-Build partnership and has successfully led teams that have constructed nearly \$3 billion in Design-Build projects during the last decade. LANE's teaming and leadership experience enables us to deliver the innovative and technically sound results that VDOT and Virginia residents deserve.

LANE is the Offeror and will be the overall authority on the project as well as the Lead Contractor. LANE has teamed with Rummel, Klepper & Kahl, LLP (RK&K), Lead Design Consultant, to provide VDOT a confident and reputable team capable of completing even the most complex projects on time and on budget. EBA will lead the construction Quality Assurance Management (QAM) effort and will be responsible for the independent QA inspection and testing of all materials used on the Route 3 Widening Project. The LANE Design-Build Team has assembled committed personnel with proven delivery of VDOT's requirements to meet or exceed the quality, safety and schedule demands of this Project.

LANE has also selected specialty firms to provide priority services in the areas of structural design, transportation management, and traffic control. Other disciplines of expertise in geotechnical engineering, environmental compliance, and utilities will be provided by reputable firms experienced with VDOT processes and procedures. RK&K also brings right-of-way capabilities and certifications should they be required. We are aware of the numerous projects in the region and have designated a Public Relations Manager and an MOT Coordinator charged with informing the public and coordinating with stakeholders and adjacent projects to minimize impacts. We are confident in our team structure and experience, and have elaborated on our unparalleled qualifications in the subsequent sections.

**3.2.2 Offeror's Point of Contact Information.**

**Mr. Richard A. McDonough** is the authorized representative and point of contact for the LANE team for all matters associated with this qualifications submittal.

**Richard A. McDonough, District Manager**  
14500 Avion Parkway, Suite 200  
Chantilly, VA 20151  
Tel: (703) 222-5670 Fax: (703) 222-5960  
Cell: (703) 898-3811  
Email: [RAMcdonough@laneconstruct.com](mailto:RAMcdonough@laneconstruct.com)

**3.2.3 Offeror's Principal Officer Information.**

Mr. Mark A. Schiller is a principal officer of The Lane Construction Corporation and the legal entity with whom a design-build contract with VDOT will be written.

**Mark A. Schiller**

**Regional Vice President, Mid-Atlantic Region**

14500 Avion Parkway, Suite 200

Chantilly, VA 20151

Tel: (703) 222-5670 Fax: (703) 222-5960

Email: [MASchiller@laneconstruct.com](mailto:MASchiller@laneconstruct.com)

**3.2.4 Offeror's Corporate Structure.** The Lane Construction Corporation, founded in 1890, is structured as a corporation and was incorporated in the State of Connecticut on April 5, 1902.

**3.2.5 Lead Contractor and Lead Designer.** LANE is the Offeror and the Lead Contractor. LANE has teamed with RK&K, the Lead Design Consultant. As the Offeror and lead contractor, LANE will be responsible for administering the contract, providing the bond, scheduling, quality control, supervising construction, safety, maintenance of traffic (MOT), and coordination of all subcontractors and trades. RK&K will be under a subcontract with LANE for all project design efforts, including MOT. Additional sub-consultants and/or specialty consultants, required by RK&K in its design efforts, will be under a direct subcontract to RK&K. EBA, providing the Quality Assurance Manager and support, will be under direct contract to LANE.

**3.2.6 Affiliated/Subsidiary Companies.** LANE's parent company is Lane Industries, Inc. There are no affiliated or subsidiary companies.

**3.2.7 Debarment Forms.** Certifications for Debarment for both Primary and Lower Tier Covered Transactions have been completed and executed for the Offeror and all sub-consultants, subcontractors and other entities as identified as members of the LANE Team.

**3.2.8 Offeror's VDOT Prequalification Evidence.** Evidence from VDOT's online Prequalified List (L002/Active) may be found in this section that demonstrates that LANE is prequalified for this SOQ's submission.

**3.2.9 Letter of Surety.** A surety letter from the bonding companies is included herein, indicating their willingness to provide any and all bonds for this project. The co-sureties will furnish a single 100% performance bond and a single 100% payment bond.

**3.2.10 Professional Services Evidence.** The matrix in this section delineates the respective state registrations and licensures of the LANE team. The Offeror and all team members are eligible at the time of the SOQ submittal, under the law and relevant regulations, to offer and to provide any services proposed or related to the Project. Respective copies of the business and individual licenses may be found in the Appendix.

**3.2.11 DBE Statement (20% Commitment).** LANE supports the Disadvantaged Business Enterprise (DBE) program and is committed to meeting or exceeding **20%** of the design and construction of this Project utilizing Virginia certified DBEs. LANE will also take all necessary and reasonable steps to ensure that SWaM firms have the maximum opportunity to compete for and perform services in this design-build contract.

Through our proven performance, the LANE team will deliver this Project on time and within budget. We appreciate your taking the time to review this Statement of Qualifications and look forward to working with VDOT on this Project.

Respectfully submitted,



Richard A. McDonough  
Design-Build Project Manager



## *3.3 Team Structure*

**LANE**

**RK&K**

### 3.3 Offeror's Team Structure

**The Lane Construction Corporation (LANE)** will serve as the lead contractor of the Design-Build (D-B) team for the Route 3 Widening Design-Build project. LANE's role will include managing the entire project, supervising construction and performing major work elements. The project will be managed and staffed from LANE's regional office in Chantilly, VA where more than 900 construction personnel are available. LANE's successful completion of over 50 D-B projects ranging in scope and value from \$15M to \$1.5B, demonstrates our ability to tackle the region's most challenging projects.

**LANE** LANE is one of America's premier heavy contractors and the preferred partner on projects that connect and improve the communities and the world in which we live. Founded in 1890, LANE constructs quality bridges, highways, locks and dams, as well as mass transit and airport systems in more than 20 states. LANE works within several core sectors in the transportation industry that include earthwork, utility relocation, drainage, concrete structures, concrete and asphalt paving as well as aggregate production and the manufacture of concrete and asphalt pavement. LANE continues to self-perform most of the work we have under contract, an important factor when evaluating client scheduling and cost management. Our self-performing "core sectors" set LANE apart as a resourceful and reliable industry leader. In its 122-year history, LANE has never failed to complete a contract and has successfully completed projects for federal, state, regional, and local agencies throughout the country.

*LANE's Engineering News-Record  
Rankings (2012)*

**No. 8 - Top Transportation  
Contractors**

**No. 4 - Top Highway Contractors  
No. 10 - Top 50 Domestic Heavy Civil  
Contractors.**

LANE understands the importance of partnering to make the D-B process a success and has partnered on teams that have constructed more than \$2.8 billion in D-B projects in the last decade. LANE recently delivered the \$1.5 billion I-495 Express [HOT] Lanes project in Northern Virginia both early and on budget. Virginia Department of Transportation also awarded LANE's team the subsequent \$691 million I-95 Express Lanes project which is proceeding now. The LANE team's experience enables us to deliver the kind of high-quality and technically-sound projects our clients have come to expect from us and each of our team members.

**RK&K** *Rummel, Klepper & Kahl, LLP (RK&K)*, founded in 1923, is a multi-disciplinary consulting firm providing a wide range of planning and design services for infrastructure design and rehabilitation, including the design of roadways, bridges, transit, water/sewer and site design. RK&K services an array of federal, state, and local clients from four Virginia offices – Richmond, Newport News, Virginia Beach, and Fairfax, and ten additional offices throughout the Mid-Atlantic and Southeast US.

RK&K provides complete transportation planning, highway design and traffic engineering services to all levels of public and private sector clients. RK&K's services range from the transportation planning of major bridges, highways and intersections to traffic impact analyses, signal design, sidewalk design, and corridor and parking studies. Their transportation, planning and engineering team excels in resolving complex infrastructure and permitting challenges. RK&K's experience in rural and urban areas, corridors, and central business districts dealing with highway, bridge, and railway projects have given them the experience necessary to become prequalified with multiple departments of transportation.

 <p><b>B</b> LANE Offeror &amp; Lead Contractor</p>	 <p><b>B</b> RK&amp;K Design Manager Roadway Designer MOT/TMP, E&amp;S, Drainage and Hydraulics, Landscape</p>	 <p><b>B</b> EBA* QA Manager QA Inspectors</p>
 <p><b>B</b> GeoConcepts Engineering, Inc.* Geotechnical Engineering Construction QC Testing</p>	 <p><b>B</b> H&amp;B Surveying and Mapping, LLC* Surveying and Plats</p>	 <p><b>B</b> E&amp;M Technologies* QA Testing</p>
 <p><b>B</b> On-Time Utility Solutions** Utility Coordination</p>	 <p><b>B</b> Rinker Design Associates, P.C.** Right-of-Way Acquisition</p>	 <p><b>B</b> So-Deep Subsurface Utility Locating</p>
 <p><b>B</b> ProAct** Public Relations Manager</p>	<p>*DBE **SWaM</p>	

**B** Each of our team member firms have design build experience as do personnel so designated with this unique D-B qualification logo.

**Task Force Approach.** LANE’s use of “The Task Force Approach” is the predominant contributing factor to successfully delivered D-B projects. This Approach generally results in a better designed and constructed project due to the combination of communication, scheduling and construction management. The LANE team has extensive experience utilizing the Task Force Approach during the life cycle of D-B projects and implements this process from the very beginning.

The Task Force Approach is a proven mechanism to ensure quality, consistency, and an integration of design and construction resulting in on-time and on-budget delivery.

The most critical component of the Task Force Approach is communication. An open forum of discussion among partners serves to clearly define project criteria; ensuring VDOT’s goals and objectives are being met by addressing constructability issues before they become points of conflict. The Task Force serves as a conduit for disseminating project-critical information. LANE’s Task Force, with the D-B Project Manager as the lead, is the central point of decision making and communication among all involved in the project. As a result of this process, VDOT, LANE, and RK&K will reach a consensus on project matters before they become issues. This method of equal representation is integral to the partnering process.

The Task Force team will meet weekly at first, then as required as the project progresses. The Task Force meeting agenda will address project coordination, schedule review and implementation, and the overall project work plan. Task Force meetings require agenda and meeting minutes in order to formally document and address all concerns. Design Production Managers will meet with discipline leaders from every design segment, as well as with LANE and VDOT leadership on a weekly basis. The focus of these meetings will be to coordinate technical design issues, emphasize appropriate design criteria and develop standardization of design to meet all of VDOT’s specifications.

**3.3.1 Qualifications and Functional Relationships of Key Personnel.** LANE’s careful selection of the proposed team for the Route 3 Widening project will provide VDOT tremendous value in the delivery of this project. Our team members are familiar with each other and with VDOT. LANE has selected **Rummel, Klepper & Kahl (RK&K)** as the Lead Designer. RK&K has a proven history for providing value-added solutions and innovation to the D-B methodology. RK&K shares LANE’s philosophy of integrity and quality. LANE has a strong working relationship with RK&K as evidenced by our

The LANE team provides VDOT with a diverse group of experts, hand-selected for their specialized skills and experience.

collaboration on the Route 29 Charlottesville Bypass D-B project. RK&K exhibits an overall strength in managing multi-disciplined D-B projects with a thorough understanding of VDOT's design and D-B requirements. We also consider VDOT management and staff true partners on this project; working in conjunction with the LANE team. This relationship will offer true accountability to safely complete the Route 3 Widening D-B project within time and budgetary constraints.

The LANE team is directed by highly qualified and capable professionals with strong D-B experience. All of the proposed key personnel have noteworthy experience on transportation projects similar to the roles they have been selected for on this project team.

**B** Leading the LANE team is *Design-Build Project Manager - Mr. Richard A. McDonough (LANE)* who is responsible for the overall project, construction quality management, and contract administration. He will facilitate communication among team partners and adjacent projects, monitor design efforts to proactively eliminate potential constructability issues prior to breaking ground, and delegate resources to deliver the project on time. It will be his responsibility to work with RK&K to ensure that the design is on time and within VDOT's specifications. Mr. McDonough's interaction from design through construction will include "task force" meetings, weekly design meetings and construction meetings to discuss how the LANE team will build the project. Should any issues arise, it is his responsibility to address project issues with the designer, construction team, and VDOT. Interaction with the Quality Assurance Manager (QAM) will be continuous to ensure that the project is compliant with the specifications. As demonstrated in the Organization Chart, the following Key Personnel will report directly to the Design-Build Project Manager, leading their respective groups.

**B** *Quality Assurance Manager (reporting directly to the Design-Build Project Manager) - Mr. Kenneth Shirley, PE, CCM (EBA)* will ensure that the construction quality of the Route 3 Widening D-B project meets or exceeds the *VDOT Minimum Quality Control and Quality Assurance Requirements for D-B Projects* and will ensure all construction activities are in compliance with contract documents. Although Mr. Shirley will report directly to the D-B Project Manager, he will maintain independence for all Quality Assurance matters including QA testing. This independence is imperative throughout the entire construction process in order to guarantee that each phase of construction progresses with the highest standards of quality. Any concerns Mr. Shirley may have will immediately be brought to the attention of the D-B Project Manager, but will be handled accordingly by Mr. Shirley himself with full authority to stop work should the necessity arise. Mr. Shirley's six years of experience as VDOT's Culpeper District Construction Engineer will be greatly beneficial to this project as he has a keen understanding of the local project area, as well as VDOT's policies, procedures, and standards. He will have a multi-disciplined staff of professionals at EBA who have both a respect for established principles and a willingness to develop and utilize new and innovative techniques for this project.

**B** *Design Manager (reporting directly to the Design-Build Project Manager) - Mr. Owen Peery, PE (RK&K)* will be responsible for design quality control and quality assurance (QA/QC), coordinating and incorporating all design disciplines, conformance to standards and ensuring all contractual requirements are met. In addition, he will lead the effort of design, plans and specification reviews to ensure constructability of the project. Additional emphasis will be placed on providing the highest quality in the development of the construction plans. In the design process, Mr. Peery is responsible for project design management, compilation of plan assembly and determination of when plans have been developed to the point that Quality Reviews are to be made. He is both responsible and accountable for the quality of all of the plans. Mr. Peery fully understands the differences and nuances between ensuring design quality for a D-B project versus a traditional bid-build project as Project Manager on RK&K's VDOT Statewide D-B and P3 Support Services Contract.

**B Construction Manager (reporting directly to the Design-Build Project Manager) - Mr. Bob Cross (LANE)** is responsible for the day-to-day construction operations of the project and reports directly to the D-B Project Manager. Mr. Cross is a General Superintendent with LANE and possesses nearly 40 years of construction experience. He most recently served on the VDOT I-495 Express (HOT) Lanes D-B project where utilities and MOT were critical issues. The project was delivered on budget and ahead of schedule. Mr. Cross was also the General Superintendent of VDOT I-66 Widening project from Route 234 Business to Route 234 Bypass project. His daily duties will include safety, coordination of all project personnel including subcontractors, and oversight of construction QC activities. He will hold ultimate responsibility for managing the project schedule, ensuring materials used and work performed meet contract requirements and approved for construction plans and specifications. He will also coordinate daily with any adjacent projects underway. Mr. Cross will be on-site for the duration of the project.

Mr. Cross holds a current ESCCC and will hold a DCR RLD Certification prior to commencement of construction.

**Lead Utilities Coordination Manager (reporting directly to the Design Manager) - Ms. Renee Martin (OUS)** will provide the utility coordination effort for the Route 3 Improvement Project. As part of the utility coordination responsibilities, she will work directly with RK&K, LANE and the utility companies to value engineer and mitigate utility conflicts using the *VDOT Utility Manual, Tenth Edition*. **On-Time Utility Solutions (OUS)** is a woman-owned minority (SWaM) business that specializes in utility relocations and right-of-way acquisitions within governmental and private developments. OUS has an in depth understanding of construction methods, standards, scheduling, permits, and DOT procedures for utility relocations, right-of-way impacts, private developments, as well as road improvements, widening and interchange projects. OUS believes in implementing their skills to transform their clients' utility challenges into cost-efficient solutions. Their area of expertise includes: VDOT protocols and procedures per the *VDOT Utility Relocations and Land Use Manual* (the new "LAP" Manual), working knowledge of most utility companies' internal standards and protocols, capabilities to oversee construction after design phase, and installation of RFIM Markers, field locating/verification, and facility mapping services. OUS staff is familiar with the Culpeper District policies and procedures, as well as the utility owners in the project vicinity.

**B Right-of-Way Manager (reporting directly to the Design Manager) - Mr. Emmett Thompson (RDA)** is a highly-skilled Senior Right-of-Way Agent with 32 years of experience. Mr. Thompson started his career with VDOT and includes 16 years as Assistant RW Manager in VDOT's Fredericksburg District. He has also served as a Land Acquisition Consultant for Spotsylvania County and he joined Rinker Design Associates (RDA) in September 2011. With RDA, he is responsible for the overall management of all ROW acquisitions for both the Fredericksburg and Manassas offices. He staffs and schedules all ROW projects and oversees all QA/QC for services provided. On this project, Mr. Thompson will oversee the coordination of all ROW acquisitions, ensure compliance with all applicable laws and regulations, and will direct the activities of the VDOT prequalified Fee Appraiser (Christopher Calamos, RDA) and the VDOT prequalified Review Appraiser (Appraisal Review Specialists, LLC.) He will be assisted by John Giometti, PE, the former VDOT Culpeper District L&D Design Engineer, in dealing with the specific (farm) properties along the intended alignment.

**B Utilities Coordinator - Construction (reporting directly to the Construction Manager) - Mr. Wayne Lindsey (LANE)** will be charged with coordinating with the **Lead Utilities Coordinator, Ms. Renee Martin**, for interactions with the respective Utilities Companies that may be involved with the Route 3 Widening D-B project, as well as ensuring the strictest compliance of all State Corporation Commission (SCC) regulations. Although this position is not a VDOT identified Key Personnel position, Mr. Lindsey will be instrumental in this project due to the heavy involvement of utilities coordination and utilities relocations this project presents. He has extensive experience with utilities permitting and relocations. Mr. Lindsey has worked in the heavy civil roadway construction industry for 28 years, with the past 24 years specifically as a Utilities Coordinator. While working on the I-495 Express (HOT) Lanes D-B project, Mr. Lindsey ensured all work tickets were completed, all utilities

were always properly marked, potential conflicts involving utilities relocations were resolved before issues could arise, and handled all utility related punchlist items. His diligence and success on that project led to his selection in the same capacity on the I-95 Express Lanes D-B project. Mr. Lindsey has also been previously assigned as the Utilities Coordinator for the Route 50 Traffic Calming D-B (Gilberts Corner) project, the Linton Hall Road PPTA project, and the Sudley Manor Drive PPTA project. His proven experience and knowledge of utilities on various D-B and PPTA projects will be a valuable asset to the Route 3 Widening project.

**B** *Geotechnical Coordinator – Design, Mr. Paul Burkart, PE (GEO) (reporting directly to the Design Manager)* will direct the design activities related to geotechnical services for the project. GeoConcepts’ staff members have worked with VDOT Culpeper staff, Haroon Shami (District Materials Engineer), Teresa Gothard (S&B), and Brian Arnold (L&D) on a frequent basis in the course of GeoConcepts’ recently completed geotechnical engineering design services for **three VDOT Culpeper District bridge replacement projects**. GeoConcepts provided preliminary soil reports for these projects, which include a small number of test borings as well as review of geological maps. Due to GeoConcepts’ extensive knowledge of the local geologic conditions, Electrical Resistivity Imaging (ERI) surveys were also completed at some of the sites to characterize potential bedrock discontinuities such as fractures, joints, and bedrock voids, as well as general geologic variability.

#### ***Functional Relationships with VDOT and Third Parties***

The LANE team understands the critical importance of close, frequent communication, coordination, and collaboration with both VDOT and third parties (notably utilities, homeowners, business owners, and the Route 3 Task Force) involved in this Project. The LANE team is familiar with VDOT district policies and local personnel who are likely to be involved in the project process on the owner’s behalf. To foster open lines of communication, the LANE team will develop a Project Work-Plan and schedule that includes each third party’s availability and schedule requirements. Required federal, Commonwealth of Virginia, Culpeper County, and any other regulatory agency permits will be appropriately acquired; liaisons will be identified to establish availability, scheduling, and jurisdictional coordination. LANE’S Public Involvement Plan will also ensure that emergency services, commuters, homeowners and business owners are kept apprised of the Project progress, schedule, and potential impacts.

LANE is prepared to address all the items necessary for environmental permitting. The LANE team will fulfill all commitments included in the NEPA Environmental Assessment for this Project (dated May 8, 2012). In order to effectively perform the relocations, adjustments, and coordination of utilities, the LANE team will align with each of the providers for timely planning of these activities. The LANE team is already familiar with many of these providers’ policies and processes, which should augment the expeditious accomplishment of these tasks.

***3.3.2 Organizational Chart.*** The Organizational Chart on the following page depicts VDOT identified key personnel, the major functions they will perform, and the designated reporting structure. The LANE team is structured to provide VDOT with a single point of contact that will be responsible for all design and construction activities. As demonstrated in the Organization Chart, the identified Key Personnel will report directly to the Design-Build Project Manager, leading their respective groups. The chart also shows the clear separation and independence that exists between the respective QC and QA programs for construction activities including the separation between QA and Construction QC Inspection and field/laboratory testing as defined in the VDOT’s *Minimum Requirements for Quality Assurance and Quality Control on Design Build and P3 Projects*, dated January 2012.





## *3.4 Team Experience*

3.4 Team Experience

**LANE**

**RK&K**

**3.4 Offeror's Team Experience.** LANE's successful delivery methods consistently rank us among the top 10 transportation contractors in the nation. LANE has successfully participated in over 50 Design-Build (D-B) projects ranging in scope from \$15M to \$1.5B. LANE understands the importance of partnering to make the D-B process a success and has led D-B teams that have constructed more than \$2.8B in projects over the last decade. LANE values the importance of selecting the *right* designer for each specific project that we undertake. Our lead designer, RK&K, brings great value to the LANE team and this project with their extensive D-B resume and reputation for oversight of the D-B practice for VDOT.

*Engineering News-Record* currently ranks LANE as the nation's 8th largest transportation contractor.

**3.4.1 Work History Forms.** Work History Forms (Attachments 3.4.1(a) and 3.4.1(b)) for both LANE (Lead Contractor) and RK&K (Lead Designer) are included in the Appendix).

**LANE & VDOT**

The reputations established over the years for providing consistent quality service to VDOT speaks volumes for the capabilities of LANE and the members of the LANE team.

LANE is fully committed to the Commonwealth of Virginia maintaining a full-time presence and employing a workforce in excess of 900 craftsmen in Northern Virginia alone. As residents, we understand the issues that drive the Commonwealth and recognize the transportation investment that VDOT is making with this D-B project. Our experienced Virginia workforce is very familiar with the stakeholders that need to be represented and kept informed to ensure successful delivery of this project.

LANE has been the active leader on numerous high profile D-B projects for VDOT and other stakeholders over the last 30 years including the relevant Gilberts Corner project. This project included the design and construction of four roundabouts, a connector road, and improvements to Route 50 and Route 15. This project was completed in 2009, was the recipient of numerous awards, was on-budget and delivered ahead of schedule. Additionally, LANE's work on the Dulles Corridor Metrorail Project - Utilities Relocation included the coordination, relocation, and installation of electrical, traction power, Verizon, communications, water, sanitary sewer and storm drain lines.

Additional LANE projects in Virginia include:

- B** I-495 Express [HOT] Lanes, \$1.5B (early delivery and on-budget)
- B** I-95 Express Lanes, \$691M (on-going)
  - I-66 Spot Improvements, \$10M (completed)
  - Springfield Interchange, \$75M (completed 2007–early delivery)
  - Purcellville Southern Collector Road, \$4M (on-going)
  - Emergency Repair Projects for NOVA District
  - I-66 Arlington, \$28.5M (completed)
  - I-66 Glebe Road, \$41.4M (completed)
  - I-66 Rosslyn, \$18M (completed)
- B** Route 234 Prince William, \$21.6M (completed)
  - Dulles Access Road, \$19M (completed)
  - I-95 Woodbridge, \$20M (completed)
  - Fairfax County Parkway, \$12M (completed)
  - Route 28, \$5.4M (completed)
  - Dulles Toll Road Ramps, \$5.9M (completed)
  - Route 7, Sterling, \$16M (completed)
- B** MWAA Dulles Corridor Metrorail Project Utilities Relocation , \$112M (completed)



The DCMP Utilities Relocation project was completed January 2012

The LANE team has worked on numerous projects where our inventive construction staging and sequencing played *the* integral part in maintaining public access during construction and for minimizing impacts to adjacent stakeholders including businesses, communities and other transportation users. We will complete a thorough constructability review early in the design process to identify and mitigate potential impacts to project stakeholders.

LANE holds the reputations achieved through these and other projects in high regard and take pride in maintaining this reputation on every project we construct. The LANE Lead Contractor History forms indicate the experience, capability and commitment that LANE brings as a firm and instills in each of our team members. These same characteristics are also found in our Lead Designer, RK&K and lower tier team members which further enhance the strength and productivity of this unified team.

***RK&K & VDOT***

VDOT turns to RK&K for their D-B expertise. They were recently re-selected for the Design-Build Staff Augmentation Services contract for VDOT. Under this contract, RK&K developed the design and contract documents to be advertised by VDOT for design-build procurement. For three years, RK&K conducted this service and the client was so satisfied, they were reselected for another three-year term. *In addition, RK&K was recently presented with an award from the VTCA for their Main Street Improvement project in Blacksburg, VA. The project was chosen as the top submittal in the category of "Projects Smaller than \$10 Million," which recognizes outstanding design work in the Transportation Industry in Virginia.*

Additional RK&K projects in Virginia include:

- B** Middle Ground Boulevard, Newport News
  - Prince William Parkway, Prince William County
  - 10<sup>th</sup> Street, City of Roanoke
  - Mosby Boulevard / Route 7, Clark County
  - Route 150 Widening, Chesterfield County
  - Route 250 Bypass Interchange, City of Charlottesville
  - I-95 Safety Improvements, Prince William County
- B** I-81 Truck Climbing Lanes, Rockbridge County
  - Route 58, Washington County

**RK&K has been at the forefront of the Design-Build methodology. Testimony to this valued capability is evidenced in RK&K's additional contractual support to the VDOT Alternative Projects Division.**

***Major Subconsultants / Subcontractors***

The LANE team was assembled based on the selection of the most qualified firms for their respective expertise. We first identified project tasks and critical risks by reviewing the RFQ scope of work, plan sets, VDOT studies and evaluations and project site visits. We then hand selected those firms with the most qualified and reliable work histories as well as experience in the Culpeper District.

***Collaborative Team Experience***

The benefits of the D-B delivery method are enhanced when team members have worked together and understand the value of each team member. LANE has successfully partnered with RK&K on a number of successful D-B projects in North Carolina and Florida. The following are examples of our partnerships:

- B** NCDOT I-85/I-485 Interchange, \$95M (Completion anticipated 2014)
- B** FDOT SR408/SR417 North Interchange Improvements project, \$69M (Completed January 2013)



The I-85/I-485 Interchange is being modified to a turbine interchange that utilizes smaller, single-span bridges, smaller columns and flatter roadway profiles. The project includes inventive construction staging and innovative design.

Most importantly, the same LANE personnel proposed for this Route 3 Widening project worked side by side with the same RK&K personnel proposed for this project to develop the submission of the Route 29 By-Pass D-B project for VDOT in 2012. Together, LANE and RK&K elaborated on the VDOT-provided 30% preliminary design plans to develop 60+% design plans and an efficient construction approach. Alongside each other over the course of many months we:

- Optimized horizontal and vertical alignments
- Developed innovative interchange alternatives based on context sensitivity
- Effectively identified the specific project elements that presented risks, as well as the mitigation measures to be employed to minimize these risks

The above factors led us to a cost-effective design and construction approach and plan.

The LANE team brings to the Department a highly-skilled team with knowledge of the D-B process and of the scope of work included in the Route 3 Widening D-B project, as well as a commitment to quality and value. Previous applicable experience, established relationships among partners, and most importantly, *reputations* in the industry were the key criteria used to select this team.

#### ***Lessons Learned***

Every member of our team possesses extensive D-B experience in their respective designated area of expertise. LANE took great care in the selection of the particular designer and subconsultants that we know are the best-qualified to perform their respective functions on this project. In addition, the LANE team continues to draw upon our experience with a “lessons learned” review in order to refine, stream-line, and continuously improve the D-B process for future projects. We have a stockpile of valuable methods and practices that we have learned while working on projects for VDOT and other public clients. These lessons learned will enable us to mitigate the risks that we have elaborated in the following section.

Our team members’ strong communication skills and relationships with VDOT staff, third parties and other stakeholders, along with our keen understanding of local concerns, helps ensure that coordination with the local community, public officials, utilities, facilities owners, and other stakeholders will be organized, thorough, and successful. We are very confident in our ability to provide VDOT with the expertise required to meet your goals and objectives for an early project completion.

#### **The LANE team offers:**

- **A long history of successful VDOT work**
- **Extensive experience on similar roadway projects, roadway widening, and significant utility relocation**
- **A solid reputation for quality and on-time delivery**
- **Successful design-build experience together and individually**
- **Longstanding relationships with VDOT and Culpeper County**
- **Established relationships with subconsultants, subcontractors, utilities, permitting agencies, and suppliers in the region**



## *3.5 Project Risks*

**LANE**

**RK&K**

**3.5 Project Risks.** LANE has extensive experience in identifying, managing, and controlling risk on transportation projects in Virginia and around the United States. Every successful construction project is due to proper identification and mitigation of risk. Beginning with the construction documents through build-out, there are many steps in identifying and managing the risks of any given design-build project. The LANE team is comprised of construction specialists that are experts at recognizing problems, then applying their unique perspective to mitigate/alleviate those risks and in turn, protect the Department’s investment.

Furthermore, the LANE team’s designer is RK&K, who has worked with VDOT either conducting or participating in a number of VDOT risk evaluation and mitigation meetings, including the following projects:

- Waxpool Road Interchange
- Middle Ground Boulevard
- Route 27/Route 244 Interchange
- I-66 ATM Project
- Route 460 Connector
- Seminary Road Bridge
- Vienna Metro Ramp

The LANE team’s strong tradition of self-performing a high percentage of our work, extensive first-hand experience, coupled with our successful past history of working with VDOT, enables our team to better position ourselves to control and manage risk items specific to the Route 3 Widening project. Additionally, the LANE team members understand the best-practices of design-build project delivery. Please find three risks below that we identify as most critical to this project.

**Risk No. 1 – Utility Coordination**

**Risk Identification:** The existing utilities within the project footprint pose significant risk on the Rt. 3 Widening project that will have to be mitigated. The impacts resulting from these facilities, if not properly managed, could include additional right-of-way takes, schedule delays, service interruptions to critical utilities and customers, negative project cost impacts, and erosion of public confidence. For these reasons and the limited available relocation information concerning these facilities, the LANE team believes utilities pose a critical risk on this project.

Specifically, in the area of the Route 3 intersection with Route 669, Williams Gas Transco has three major natural gas transmission lines crossing transversely under Route 3. Even though Williams has exposed at least one of these lines and performed a survey, the pertinent survey data has not yet been distributed to potential bidders at this RFQ stage; so it is uncertain at this time what mitigations will be required. If an agreeable mitigation plan cannot be designed and agreed to with Williams, the relocation of one or all of these lines could impose significant cost and schedule impacts. Regardless of final design, there is always an inherent risk when construction activities are performed in the vicinity of utility lines.

There are also major communication cables and associated appurtenances within the proposed footprint of the new widening - both aerial and underground. Until an extensive investigation is performed, the extent of mitigation measures to alleviate this condition is unknown. As is common with most major utility relocations of this nature, they can consume not only significant project resources, but schedule as well. Also, existing utility poles within the proposed alignment are in direct conflict. These poles carry not only electric cable, but also third party utility lines. Again, further investigation and communication with respective owners will be necessary to accurately determine the scope of work and a viable mitigation plan.

**Why this risk is Critical:** As mentioned above, there is a great deal of work to be performed prior to developing a functional scope of work, design, and schedule in order to successfully implement required utility mitigation. The LANE team has extensive utility assessment and relocation experience gained in the performance of the most challenging and difficult utility projects that have been completed in both Virginia as well as in other states. In the early project stages, there is not only field reconnaissance (survey, potholing, materials research, etc.) to be done, but an effective owner dialogue and communications plan must be implemented that efficiently involves stakeholders. Although some of these facilities are considered “major” utilities, the LANE team believes in an

“all-in” approach when dealing with utilities - we treat even the smallest utility with great importance and having a goal of zero outages and zero accidents. The utilities bring considerable risk to the project mainly due to the unknown definitive scope of work, including any generated right-of-way issues. We are (at this point) unable to accurately identify the extent of these potential issues and therefore currently unable to plan accordingly for those mitigations. Likewise, schedule as associated with utility relocations, is always a major concern to all parties. Frequently, these relocations become the driver for ensuing construction activities and pose a formidable schedule risk for the successful and timely completion of the entire project. In addition, utilities by nature tend to hold an inherent risk that is not fully known until the existing utility is actually exposed during construction. Conditions such as corrosion beyond acceptable limits, too many fittings within a given section of pipe, or discovery of unknown utilities can contribute to an expanded scope of work.

**Risk Impact on the Project:** As with any major project that has potential utility conflicts, utilities and associated right-of-way have the potential to impose a large risk profile on the project. In the Preferred Alignment (Alternative A), VDOT estimated the Utility/ROW cost at \$11.5M, which is almost 1/3 of the project cost. So the potential impacts are not only monetary, but as discussed earlier, may present “global” project impacts.

**Risk Mitigation Strategies:** The LANE team has selected experienced firms, On-Time Utility Solutions (OUS) as our Utility Coordinator and So-Deep (SD) as our subsurface utility locating firm. Design and construction team members will be working hand-in-hand with OUS and SD during the identification and assessment stage of the project to value engineer all utilities in conflict within the project limits. The construction staff will work directly with the design team and utility companies, coordinating solutions that are acceptable by all parties governed under VDOT’s *Right-of-Way and Utility Manual - Tenth Edition* released in 2011. These solutions may entail grade and/or alignment shifts, adjustments in storm drain alignments, increased pole heights, and/or innovative “protect-in-place” techniques, to name a few.

**Role of VDOT and Other Agencies:** VDOT will hold a cursory, oversight role as mandated in the *Right-of-Way and Utilities Manual Tenth Edition* and other applicable specifications and/or Commonwealth laws. However, it is our standard practice to keep VDOT fully informed of our activities.

## **Risk No. 2 – Right-of-Way Coordination and Acquisition**

**Risk Identification:** Right-of-way coordination and acquisition will be a risk on a project if not managed properly. This section of Route 3 will be widened to accommodate a four-lane facility with a median up to 40 feet wide. It is anticipated that right-of-way will be required from numerous property owners from among the 63 identified in the corridor to facilitate the project. Three (3) residential relocations on the project are currently underway and being performed by VDOT. We recognize that this effort must be concurrently coordinated with the utilities described above so that all right-of-way and utility easements can be negotiated with each property owner simultaneously.

**Why this risk is Critical:** Coordination of right-of-way during the design phase of the project is essential. Strict adherence to right-of-way procedures established in the Uniform Relocation and Real Property Acquisitions Act and the *VDOT Right-of-Way Manual* is essential should it become necessary to implement eminent domain in the event that right-of-way negotiations prove unsuccessful. Also critical, is the yet-to-be judicially tested revision to the Code of Virginia Title 25.1 Eminent Domain. Additionally, our right-of-way coordinators are acutely aware of the environment and context sensitivity of the project. There are five (5) historic properties identified within the project corridor. A Memorandum of Agreement has been executed with these properties and the Department of Historic Resources. This project must remain sensitive to these prior agreements as well as the NEPA environmental document, each of which our D-B team has thorough knowledge. In addition, several commercial and agricultural properties exist along the corridor which presents special needs and requirements. Access, management of fence lines for livestock, oversized vehicle access, and other similar issues will undoubtedly come

into play as we negotiate with the various property owners. Ultimately, ROW acquisition issues can delay the entire project.

**Risk Mitigation Strategies:** Our ROW Manager, Mr. Emmett Thompson, is extremely familiar with VDOT’s processes having previously served as Assistant ROW Manager for the VDOT Fredericksburg District. He recently completed an analogous effort for the VDOT Middle Ground Boulevard Design-Build project. His ROW staff’s efforts will include coordination with our design-build team as the final design is being developed. This will include early coordination with utility owners so that the locations of any required easements are identified and utility agreements drafted early in the process - *essential to maintain the project schedule*. Concurrent with acquisition of the initial critical parcels, the LANE team will proceed with other plan approvals and construction of project elements which do not require land or easement acquisition. The LANE team will also be looking for alternatives to reduce the number of impacted properties. During the Gilberts Corner project, we successfully modified the design to reduce the number of impacted parcels, thereby substantially reducing the number of negotiations.

Continual coordination with the design team as plans are advanced and right-of-way negotiated, ensures costly design revisions and schedule impacts can be minimized. This is especially important with utility, BMP, and drainage easements for clear identification prior to negotiations with a property owner.

**Role of VDOT and other Agencies:** The LANE team’s role for VDOT is limited to their own established ROW requirements per Commonwealth statutes and Department practices and regulations. We foresee no additional VDOT involvement in the ROW process. No other agencies will be affected.

**Risk No. 3 – Existing Subsurface Conditions**

**Risk Identification:** According to the Geologic Map of the Commonwealth of Virginia, the project site lies entirely within the Mesozoic Basin Physiographic Province, specifically within the southern portion of the Culpeper Basin section of the Newark Supergroup Mesozoic Basins. The Newark Supergroup rocks consist of conglomerate, sandstone, siltstone and shale, deposited in the basins as a result of the erosion of the Appalachian Mountains to the west. Tectonic stress and extension resulted in the emplacement of diabase intrusions, followed by basaltic lavas during surface volcanism of the Late Triassic and Jurassic periods.

Referencing the Fredericksburg 30x60 Geologic Quadrangle Map (VDMME, 2000), the first 0.78 miles of the project (starting at Station 11+00) is underlain sandy micaceous siltstone, with interbeds of dark gray to black mudstone. The next 0.9 miles of the project are underlain sandstone that is fine to coarse-grained, reddish brown to gray sandstone, containing minor conglomerate, siltstone, and shale beds. Within the sandstone, just south of Stevensburg, there is a thin (less than 250 feet) area underlain by Jurassic age diabase. This particular diabase is hard, low titanium light to dark gray diabase. In this area it is finely crystalline to aphanitic (microcrystalline).

At 1.2 and 1.48 miles from Station 11+00 there are two (2) mapped faults. The easternmost of these faults is mapped as a normal fault, with the upthrown (footwall) side on the west, and the downthrown (hanging wall) side

ROW Acquisition Approach:

- *Evaluate Impacts:* Investigate the potential for additional drainage, construction and utility easements.
- *Design Alternatives:* For parcels that are affected, alternative designs will be explored.
- *Prioritize Properties:* Identify properties requiring acquisitions that impose the greatest schedule risk and commence property acquisition proceedings early in the schedule.
- *Eminent Domain:* In the potential case(s) of property condemnation, we will continue to work with property owners and negotiate in good faith to pursue an expeditious and equitable agreement.
- *ROW Expertise:* The ROW staff works directly with the design, utility coordination, and construction teams in an integrated effort that

on the east. The displacement along the western fault has not been mapped. Gouge and fractured rock should be expected to be associated with both of these fault structures.

The next 0.5 miles of the project is mapped as underlain by an unnamed micaceous quartzite of Cambrian age. This rock is exposed at this location by faulting and is a coarse grained, micaceous quartzite and metasandstone with interbedded matesilstone and phyllite. The next 0.45 miles is mapped as underlain by Jurassic diabase, the northern limb of the “Rapidan” diabase sheet, a very large and thick unit consisting of bronzite, augite, and plagioclase. Adjacent to the diabase sheet, the next 0.6 miles is mapped as underlain by thermally altered rocks (hornfels) consisting of dark gray, greenish gray to olive black, and bluish gray to purple fin to coarse grained metasedimentary rocks. These rocks are generally hard, very brittle and resistant to erosion, with bedrock commonly occurring at or near the ground surface. The eastern edge of the hornfels is marked by another fault, the displacement of which has not been mapped. Both gouge and fractured bedrock will most likely be associated with this fault.

Referencing the USDA-NRCS Web Soil Survey for Culpeper County, 22 different soils are mapped as occurring along the project alignment. The majority of these soils are residual, derived by in-place weathering from the parent bedrock. Small areas of alluvial soils also occur where the roadway crosses stream channels. Properties of these soils that may have an impact on the project include shallow groundwater/wet soils and shallow bedrock.

**Why this Risk is Critical and Associated Mitigation Strategies:** The unknowns of the subsurface conditions place financial and schedule risk on the D-B team and therefore the project; examples are described below:

**Example 1 - Potentially Unsuitable Soils:** Field observations of the project area indicate that roadway embankment and pavement subgrades along portions of the alignment will consist of either soft existing fill, wet soils, or highly plastic fat clay (CH) and elastic silt (MH) native soils. These soil types will not be suitable for direct support of roadway embankment and pavement subgrades. These soils pose a risk to the project due to the additional time required to delineate the extent of these soils and to modify or remove and replace these soils with suitable fill.

**Mitigation:** The LANE team will perform early phase geotechnical explorations to delineate the lateral extent and depth of unsuitable soils. The early phase exploration will also focus on obtaining samples for laboratory testing to include natural moisture contents, Atterberg limits, Standard Proctor tests, CBR tests, and shrink-swell tests. The results of these tests will determine the proactive mitigation measures required to replace unsuitable soils in the early earthwork construction phase.

**Example 2 - Excavatability of Shallow Bedrock:** The proposed alignment crosses multiple geologic formations, most of which include relatively shallow bedrock. GeoConcepts’ recent experience in the region predicts that excavations along the alignment will likely encounter intermediate geomaterials that contain relic features of the underlying rock. A project risk exists if harder phases of intermediate geomaterials and bedrock are encountered that require ripping or blasting measures for excavation.

**Mitigation:** To mitigate the potential adverse impact of excavations in shallow bedrock, the LANE team will focus on delineating these shallow bedrock areas with a combination of test pits, test borings, and seismic refraction surveys in expected deep cut areas. Early identification of these areas reduces the risk to the critical path of the project by allowing for a much more efficient earthwork plan and mitigation measures including mobilization of specialized earthwork equipment and preparation of blasting.

**Role of VDOT and other Agencies:** The LANE team fully expects to manage the risks associated with the existing subsurface conditions. No role is anticipated from VDOT or any other state agency other than oversight.

**The LANE team provides the Department with:**

- An integrated team of specialists with seasoned expertise
- Vast regional experience
- Sound mitigation strategies to diminish risk



# *Appendices*

**LANE**

**RK&K**

**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	A-1 - A-3
<b>Acknowledgement of RFQ, Revision and/or Addenda</b>	Attachment 2.10 (Form C-78-RFQ)	Section 2.10	no	A-4
<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	2
Offeror's Corporate Structure	NA	Section 3.2.4	yes	2
Identity of Lead Contractor and Lead Designer	NA	Section 3.2.5	yes	2
Affiliated/subsidiary companies	Attachment 3.2.6	Section 3.2.6	no	A-5
Debarment forms	Attachment 3.2.7(a) Attachment 3.2.7(b)	Section 3.2.7	no	A-6 – A-16
Offeror's VDOT prequalification evidence	NA	Section 3.2.8	no	A-17
Evidence of obtaining bonding	NA	Section 3.2.9	no	A-18 – A-21

**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	A-22 – A-24
Full size copies of SCC Registration	NA	Section 3.2.10.1	no	A-25 – A-30
Full size copies of DPOR Registration (Offices)	NA	Section 3.2.10.2	no	A-31 – A-37
Full size copies of DPOR Registration (Key Personnel)	NA	Section 3.2.10.3	no	A-38 – A-42
Full size copies of DPOR Registration (Non-APELSCIDLA)	NA	Section 3.2.10.4	no	A-43 – A-45
<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	3-7
Key Personnel Resume – DB Project Manager	Attachment 3.3.1	Section 3.3.1.1	no	A-78 – A-79
Key Personnel Resume – Quality Assurance Manager	Attachment 3.3.1	Section 3.3.1.2	no	A-80 – A-81
Key Personnel Resume – Design Manager	Attachment 3.3.1	Section 3.3.1.3	no	A-82 – A-83
Key Personnel Resume – Construction Manager	Attachment 3.3.1	Section 3.3.1.4	no	A-84 – A-85
Key Personnel Resume – Lead Utility Coordination Manager	Attachment 3.3.1	Section 3.3.1.5	no	A-86 – A-87
Key Personnel Resume – Right of Way Manager	Attachment 3.3.1	Section 3.3.1.6	no	A-88
Organizational chart	NA	Section 3.3.2	yes	8
Organizational chart narrative	NA	Section 3.3.2	yes	7

**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>Experience of Offeror's Team</b>				
Lead Contractor Work History Form	Attachment 3.4.1(a)	Section 3.4	no	A-89 – A-91
Lead Designer Work History Form	Attachment 3.4.1(b)	Section 3.4	no	A-92 – A-94
<b>Project Risk</b>				
Identify and discuss three critical risks for the Project	NA	Section 3.5.1	yes	12-15

**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. I 01/11/2013  
(Date)
3. Cover letter of \_\_\_\_\_  
(Date)



Mark A. Schiller  
Regional Vice President  
Mid-Atlantic Region

SIGNATURE

January 25, 2013

DATE





## *Debarment Sheets*

**LANE**

**RK&K**

**ATTACHMENT NO. 3.2.7(a)**

**CERTIFICATION REGARDING DEBARMENT  
PRIMARY COVERED TRANSACTIONS**

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

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

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

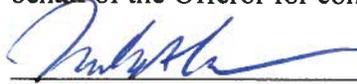
b) Have not within a three-year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State or local) transaction or contract under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

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

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

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

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

	January 25, 2013	Mark A. Schiller
Signature	Date	Regional District Manager, Mid-Atlantic Region
		Title

The Lane Construction Corporation  
Name of Firm

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**ATTACHMENT NO. 3.2.7(b)**

**CERTIFICATION REGARDING DEBARMENT  
LOWER TIER COVERED TRANSACTIONS**

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

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

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

	January 25, 2013	Partner
Signature	Date	Title

Rummel, Klepper & Kahl, LLP  
Name of Firm

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

Route 3 Widening from: 4.1 Miles East Rte. 29 to: 4.0 Miles  
Project: West of Culpeper/Orange County Line

- 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 proposal.

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.

	Kunal Gangopadhyay, P.E. First Executive Vice President	12/20/12
<hr style="border: none; border-top: 1px solid black; margin: 0;"/>		
Signature Date Title		

EBA Engineering, Inc.  

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Name of Firm

ATTACHMENT NO. 3.2.7(b)

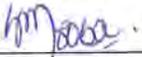
**CERTIFICATION REGARDING DEBARMENT  
LOWER TIER COVERED TRANSACTIONS**

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

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

	January 7, 2013	Principal Engineer
Signature	Date	Title

Engineering and Materials Technologies, Inc.  
Name of Firm

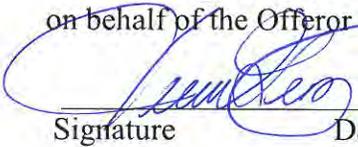
**ATTACHMENT NO. 3.2.7(b)**

**CERTIFICATION REGARDING DEBARMENT  
LOWER TIER COVERED TRANSACTIONS**

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

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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                      President  
Signature                      Date                                      Title

GeoConcepts Engineering, Inc.  
Name of Firm

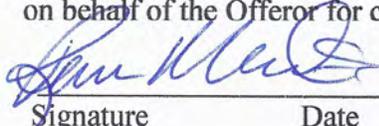
**ATTACHMENT NO. 3.2.7(b)**

**CERTIFICATION REGARDING DEBARMENT  
LOWER TIER COVERED TRANSACTIONS**

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

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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>1/14/13</u>	<u>President</u>
Signature	Date	Title
<u>On-Time Utility Solutions, LLC</u>		
Name of Firm		

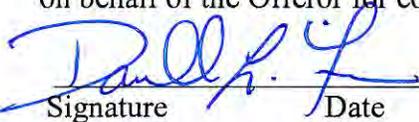
**ATTACHMENT NO. 3.2.7(b)**

**CERTIFICATION REGARDING DEBARMENT  
LOWER TIER COVERED TRANSACTIONS**

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

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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>01/17/13</u>	<u>General Manager / Principal</u>
Signature	Date	Title

Rinker Design Associates, P. C.

Name of Firm

ATTACHMENT NO. 3.2.7(b)

**CERTIFICATION REGARDING DEBARMENT  
LOWER TIER COVERED TRANSACTIONS**

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

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

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

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

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

H&B SURVEYING and MAPPING LLC  
Name of Firm

ATTACHMENT NO. 3.2.7(b)

**CERTIFICATION REGARDING DEBARMENT  
LOWER TIER COVERED TRANSACTIONS**

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

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

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

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

Moh A. Wamb      1/15/2013  
Signature                      Date

Vice President - Business Development  
Title

So-Deep, 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>Joseph D. Huddle</u>	<u>1/14/13</u>	<u>President</u>
Signature	Date	Title
<u>ProAct Public Relations LLC</u>		
Name of Firm		

ATTACHMENT NO. 3.2.7(b)

**CERTIFICATION REGARDING DEBARMENT  
LOWER TIER COVERED TRANSACTIONS**

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

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

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

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

R. Ciorri                      1/18/2013                      MANAGER  
Signature                      Date                      Title

APPRAISAL REVIEW SPECIALISTS, LLC  
Name of Firm



# *Offeror's VDOT Prequalification Certificate*

**LANE**

**RK&K**

TRANSPORT - E22  
LSPPREQ

COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF TRANSPORTATION  
PREQUALIFIED VENDORS SORTED BY VENDOR NAME  
THIS LIST INCLUDES ALL PREQUALIFIED LEVELS  
AS OF 11/02/2012

11/02/2012  
2:01 PM  
PAGE 240

- L -

=====  
L002  
THE LANE CONSTRUCTION CORPORATION  
PREQ. EXP : 06/30/2013

--PREQ ADDRESS -----	WORK CLASSES (LISTED BUT NOT LIMITED TO)
90 FIELDSTONE COURT	002 - GRADING
CHESHIRE, CT 06770-1212	003 - MAJOR STRUCTURES
PHONE : 203-235-3351	004 - ASPHALT CONCRETE PAVING
FAX : 203-237-4260	006 - PORTLAND CEMENT CONCRETE PAVING
	007 - MINOR STRUCTURES
	045 - UNDERGROUND UTILITIES

BUSINESS CONTACT: ALGER, ROBERT EVERETT  
EMAIL: VAPREQUAL@LANECONSTRUCT.COM

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

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



# *Surety Letter*

**LANE**

**RK&K**

***Fidelity and Deposit Company of Maryland  
Liberty Mutual Insurance Company***

January 2, 2013

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

RE: **The Lane Construction Corporation  
Request for Qualifications  
Route 3 Widening Design-Build  
Contract Number: C00014657DB56  
Estimated Value of Project: \$38,000,000.00**

Dear Mr. Clarke:

This letter will serve to confirm that The Lane Construction Corporation is a highly regarded and valued client of Aon Construction Services and the sureties, Fidelity and Deposit Company of Maryland and Liberty Mutual Insurance Company (the 'co-surety'). Each surety company is licensed to conduct surety business in the state of Virginia, and each surety company holds a Certificate of Authority as listed in the Department of the Treasury's Listing of Approved Sureties (Department Circular 570) dated July 1, 2012. Furthermore, each surety company is rated "A" or better by A.M. Best Company, both with Financial Size Category "XV".

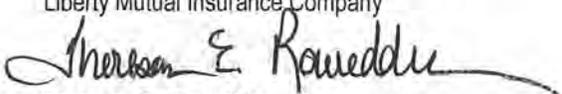
The Lane Construction Corporation has developed a strong track record of completing complex construction projects on time and within the available budget. In the recent past, the co-surety has executed bonds on behalf of The Lane Construction Corporation for individual projects with contract values approaching \$350,000,000 and corresponding backlogs approaching \$2,000,000,000. At this time, The Lane Construction Corporation has more than sufficient bonding capacity available to meet the requirements of this project. The co-surety is prepared to provide 100% Performance and 100% Labor and Materials Payment Bonds for this Project as proposed in the RTQ, in the amount of the anticipated cost of construction should The Lane Construction Corporation be the successful bidder and enter into a contract for this Project.

Naturally, as is customary within the surety industry, the issuance of any bonds is contingent upon a favorable underwriting review of project specifics including, but not limited to, the contract terms, conditions, documents, bond forms and confirmation of complete project financing by both The Lane Construction Corporation and its co-surety at the time a request for bonds is made. We assume no liability to third parties or to you by issuance of this letter, should bid or final bonds not be issued.

Should you need additional assurance regarding the technical ability or bonding capacity of The Lane Construction Corporation, please do not hesitate to contact this office.

Sincerely,

Fidelity and Deposit Company of Maryland  
Liberty Mutual Insurance Company



Theresa E. Rowedder  
Attorney-in-Fact

Aon Risk Services  
One Federal Street  
20<sup>th</sup> Floor  
Boston, MA 02110  
888-830-1789

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

KNOW ALL MEN BY THESE PRESENTS: That the ZURICH AMERICAN INSURANCE COMPANY, a corporation of the State of New York, the COLONIAL AMERICAN CASUALTY AND SURETY COMPANY, a corporation of the State of Maryland, and the FIDELITY AND DEPOSIT COMPANY OF MARYLAND a corporation of the State of Maryland (herein collectively called the "Companies"), by **THOMAS O. MCCLELLAN, Vice President**, in pursuance of authority granted by Article V, Section 8, of the By-Laws of said Companies, which are set forth on the reverse side hereof and are hereby certified to be in full force and effect on the date hereof, do hereby nominate, constitute, and appoint **Kevin A. WHITE, Mark P. HERENDEEN, Susan M. KEDIAN, Jean CORREIA, Maria CHAVES, Theresan E. ROWEDDER, Jane GILSON and Regina M. MARQUIS, all of Boston, Massachusetts, EACH** its true and lawful agent and Attorney-in-Fact, to make, execute, seal and deliver, for, and on its behalf as surety, and as its act and deed: **any and all bonds and undertakings**, and the execution of such bonds or undertakings in pursuance of these presents, shall be as binding upon said Companies, as fully and amply, to all intents and purposes, as if they had been duly executed and acknowledged by the regularly elected officers of the ZURICH AMERICAN INSURANCE COMPANY at its office in New York, New York., the regularly elected officers of the COLONIAL AMERICAN CASUALTY AND SURETY COMPANY at its office in Owings Mills, Maryland., and the regularly elected officers of the FIDELITY AND DEPOSIT COMPANY OF MARYLAND at its office in Owings Mills, Maryland., in their own proper persons.

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

IN WITNESS WHEREOF, the said Vice-President has hereunto subscribed his/her names and affixed the Corporate Seals of the said **ZURICH AMERICAN INSURANCE COMPANY, COLONIAL AMERICAN CASUALTY AND SURETY COMPANY, and FIDELITY AND DEPOSIT COMPANY OF MARYLAND**, this 23rd day of August, A.D. 2012.

**ATTEST:**

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



By: *Eric D. Barnes*  
*Assistant Secretary  
Eric D. Barnes*

*Thomas O. McClellan*  
*Vice President  
Thomas O. McClellan*

State of Maryland  
City of Baltimore

On this 23rd day of August, A.D. 2012, before the subscriber, a Notary Public of the State of Maryland, duly commissioned and qualified, **THOMAS O. MCCLELLAN, Vice President, and ERIC D. BARNES, Assistant Secretary**, of the Companies, to me personally known to be the individuals and officers described in and who executed the preceding instrument, and acknowledged the execution of same, and being by me duly sworn, deposed and saith, that he/she is the said officer of the Company aforesaid, and that the seals affixed to the preceding instrument are the Corporate Seals of said Companies, and that the said Corporate Seals and the signature as such officer were duly affixed and subscribed to the said instrument by the authority and direction of the said Corporations.

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

*Maria D. Adamski*

Maria D. Adamski, Notary Public  
My Commission Expires: July 8, 2015



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

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

**CERTIFICATE**

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

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

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

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

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

IN TESTIMONY WHEREOF, I have hereunto subscribed my name and affixed the corporate seals of the said Companies, this 2nd day of JANUARY, 2013.



*Geoffrey Delisio*

Geoffrey Delisio, Vice President

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

Liberty Mutual Insurance Company  
Peerless Insurance Company

POWER OF ATTORNEY

KNOWN ALL PERSONS BY THESE PRESENTS: That American Fire & Casualty Company and The Ohio Casualty Insurance Company are corporations duly organized under the laws of the State of Ohio, that Liberty Mutual Insurance Company is a corporation duly organized under the laws of the State of Massachusetts, that Peerless Insurance Company is a corporation duly organized under the laws of the State of New Hampshire, and West American Insurance Company is a corporation duly organized under the laws of the State of Indiana (herein collectively called the "Companies"), pursuant to and by authority herein set forth, does hereby name, constitute and appoint, JEAN M. FEENEY, KEVIN A. WHITE, MARK P. HERENDEEN, SUSAN M. KEDIAN, JEAN CORREIA, MARIA CHAVES, BRIAN DRISCOLL, THERESAN E. ROWEDDER, JANE GILSON, .....

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

IN WITNESS WHEREOF, this Power of Attorney has been subscribed by an authorized officer or official of the Companies and the corporate seals of the Companies have been affixed thereto this 23rd day of MAY, 2012.



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

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

STATE OF WASHINGTON ss  
COUNTY OF KING

On this 23rd day of MAY, 2012, before me personally appeared Gregory W. Davenport, who acknowledged himself to be the Assistant Secretary of American Fire and Casualty Company, Liberty Mutual Insurance Company, The Ohio Casualty Insurance Company, Peerless Insurance Company and West American Insurance Company, and that he, as such, being authorized so to do, execute the foregoing instrument for the purposes therein contained by signing on behalf of the corporations by himself as a duly authorized officer.

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



By: KD Riley  
KD Riley, Notary Public

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

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

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

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

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

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

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



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

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

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



## *DPOR and SCC Registrations*

**LANE**

**RK&K**

## ATTACHMENT 3.2.10

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

#### SCC and DPOR Information

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

<b>SCC &amp; DPOR INFORMATION FOR BUSINESSES (RFQ Sections 3.2.10.1 and 3.2.10.2)</b>							
<b>Business Name</b>	<b>SCC Information (3.2.10.1)</b>			<b>DPOR Information (3.2.10.2)</b>			
	<b>SCC Number</b>	<b>SCC Type of Corporation</b>	<b>SCC Status</b>	<b>DPOR Registered Address</b>	<b>DPOR Registration Type</b>	<b>DPOR Registration Number</b>	<b>DPOR Expiration Date</b>
<b>The Lane Construction Corporation</b>	<b>F0254476</b>	<b>Foreign Corporation</b>	<b>Active</b>	<b>90 Fieldstone Court Cheshire, CT 06410</b>	<b>Class A Contractor</b>	<b>2701011871</b>	<b>1/31/2014</b>
<b>Rummel, Klepper and Kahl, LLP</b>	<b>K000417-8</b>	<b>LLP</b>	<b>Good</b>	<b>2100 East Cary St, Suite 309 Richmond, VA 23223</b>	<b>ENG</b>	<b>0411 000271</b>	<b>02/28/2014</b>
				<b>10306 Eaton Pl, Suite 240 Fairfax, VA 22030</b>	<b>ENG</b>	<b>0411 000577</b>	<b>02/28/2014</b>
				<b>2901 S. Lynnhaven Rd, Suite 300 Virginia Beach, VA 23452</b>	<b>ENG</b>	<b>0411 000667</b>	<b>02/28/2014</b>
				<b>721 Lakefront Commons, Ste 203 Newport News, VA 23606</b>	<b>ENG</b>	<b>0411 000443</b>	<b>02/28/2014</b>
				<b>81 Mosher Street Baltimore, MD 21217</b>	<b>ENG</b>	<b>0407 002860</b>	<b>12/31/2013</b>
<b>EBA Engineering, Inc.</b>	<b>F1239000</b>	<b>S-Corporation</b>	<b>Good</b>	<b>714 Westwood Office Park Fredericksburg, VA 22401</b>	<b>ENG</b>	<b>0411 000871</b>	<b>02/28/2014</b>
<b>Engineering &amp; Materials Technologies, Inc</b>	<b>04786331</b>	<b>Corp.</b>	<b>Active</b>	<b>7857 Coppermine Drive Manassas, VA 20109</b>	<b>ENG</b>	<b>0407 005994</b>	<b>12/31/2013</b>
<b>GeoConcepts Engineering, Inc.</b>	<b>0516767-1</b>	<b>Corp</b>	<b>Active</b>	<b>19955 Highland Vista Drive Suite 170 Ashburn, VA 20147</b>	<b>ENG</b>	<b>0407 004404</b>	<b>12/31/2013</b>
<b>On-Time Utility Solutions, LLC</b>	<b>S2054676</b>	<b>LLC</b>	<b>Active</b>	<b>6913 Hovingham Ct Centreville, VA 20121</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>
<b>H&amp;B Surveying and Mapping, LLC</b>	<b>S290560-4</b>	<b>LLC</b>	<b>Active</b>	<b>612 Hull Street, 101 B Richmond, VA 23224</b>	<b>LS</b>	<b>0407 005432</b>	<b>12/31/2013</b>
<b>So-Deep, Inc.</b>	<b>02162758</b>	<b>Corp</b>	<b>Active</b>	<b>8397 Euclid Avenue Manassas Park, VA 22111</b>	<b>ENG, LS</b>	<b>0407 002900</b>	<b>12/31/2013</b>

**ATTACHMENT 3.2.10**

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

**SCC and DPOR Information**

SCC & DPOR INFORMATION FOR BUSINESSES (RFQ Sections 3.2.10.1 and 3.2.10.2)							
Business Name	SCC Information (3.2.10.1)			DPOR Information (3.2.10.2)			
	SCC Number	SCC Type of Corporation	SCC Status	DPOR Registered Address	DPOR Registration Type	DPOR Registration Number	DPOR Expiration Date
ProAct Public Relations, LLC	S1377375	LLC	Active	1011 E. Main Street Suite 100 Richmond, VA 23219	N/A	N/A	N/A
Rinker Design Associates, PC	02270627	Corp	Active	9385 Discovery Boulevard Suite 200 Manassas, VA 20109	Real Estate Appraiser	4008 001684	02/28/2013
				927 Maple Grove Dr, Ste 105 Fredericksburg, VA 22407	Real Estate Appraiser	4008 001739	04/30/2014
Appraisal Review Specialists, LLC	T0490682	LLC	Active	3058 Mount Vernon Road, Suite 12 Hurricane, WV 25523	Appraisal Business	4008 001735	04/30/2014

DPOR INFORMATION FOR INDIVIDUALS (RFQ Sections 3.2.10.3 and 3.2.10.4)						
Business Name	Individual's Name	Office Location Where Professional Services will be Provided (City/State)	Individual's DPOR Address	DPOR Type	DPOR Registration Number	DPOR Expiration Date
RK&K	Owen Lee Peery, PE	Richmond, VA	801 East Main St Ste 1000 Richmond, VA 23219	Professional Engineer	0402 046882	10/31/2013
RK&K	Ryan Wendell Masters, PE	Richmond, VA	9506 Indianfield Dr Mechanicsville, VA 23116	Professional Engineer	0402 038025	06/30/2013
RK&K	Michael John Hogan, PE	Richmond, VA	14906 Mill Flume Ct Midlothian, VA 23112	Professional Engineer	0402 038783	01/31/2014
RK&K	Sheila Stallings Reeves, PE	Richmond, VA	11707 Westbury Bluff Dr Midlothian, VA 23114	Professional Engineer	0402 049765	11/30/2013

**ATTACHMENT 3.2.10**

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

**SCC and DPOR Information**

<b>DPOR INFORMATION FOR INDIVIDUALS (RFQ Sections 3.2.10.3 and 3.2.10.4)</b>						
<b>Business Name</b>	<b>Individual's Name</b>	<b>Office Location Where Professional Services will be Provided (City/State)</b>	<b>Individual's DPOR Address</b>	<b>DPOR Type</b>	<b>DPOR Registration Number</b>	<b>DPOR Expiration Date</b>
<b>RK&amp;K</b>	<b>Barry L. Brandt, PE</b>	<b>Baltimore, MD</b>	<b>Severna Park, MD 21146</b>	<b>Professional Engineer</b>	<b>0402 048084</b>	<b>09/30/2014</b>
<b>RK&amp;K</b>	<b>Richard Denne Clifton, PE</b>	<b>Newport News, VA</b>	<b>10 Dorothy Drive Poquoson, VA 23662</b>	<b>Professional Engineer</b>	<b>0402033768</b>	<b>06/30/2013</b>
<b>EBA</b>	<b>Kenneth James Shirley, PE</b>	<b>Fredericksburg, VA</b>	<b>16255 Black Run Rd Orange, VA 22960</b>	<b>Professional Engineer</b>	<b>0402 040380</b>	<b>08/31/2014</b>
<b>GeoConcepts</b>	<b>Paul Edward Burkart, PE</b>	<b>Ashburn, VA</b>	<b>19955 Highland Vista Drive, Suite 170 Ashburn, VA 20147</b>	<b>Professional Engineer</b>	<b>0402021556</b>	<b>03/31/2014</b>
<b>H&amp;B</b>	<b>Leslie Ray Byrnside, LS</b>	<b>Richmond, VA</b>	<b>4100 Ketcham Drive Chesterfield, VA 23875</b>	<b>Land Surveyor</b>	<b>0403 002362</b>	<b>06/30/2013</b>
<b>So-Deep</b>	<b>Cary Alan Skahn, PE</b>	<b>Manassas Park, VA</b>	<b>6510 Trillium House Lane Centreville, VA 20120</b>	<b>Professional Engineer</b>	<b>0402 022310</b>	<b>06/30/2013</b>
<b>Rinker Design</b>	<b>Christopher Stavros Calamos</b>	<b>Fredericksburg, VA</b>	<b>PO Box 7907 Fredericksburg, VA 22404</b>	<b>Appraiser</b>	<b>4001 012863</b>	<b>11/30/2013</b>



## *SCC Licenses*

**LANE**

**RK&K**



THE LANE CONSTRUCTION CORPORATION

SCC eFile

- SCC eFile Home Page
- Check Name
- Distinguishability
- Business Entity Search
- Certificate Verification
- FAQs
- Contact Us
- Give Us Feedback

Business Entities

UCC or Tax Liens

Court Services

Additional Services

General

SCC ID: F0254476  
Entity Type: Foreign Corporation  
Jurisdiction of Formation: CT  
Date of Formation/Registration: 7/24/1972  
Status: Active  
Shares Authorized: 11700

Select an action

- [File a registered agent change](#)
- [File a registered office address change](#)
- [Resign as registered agent](#)
- [File an annual report](#)
- [Pay annual registration fee](#)
- [Order a certificate of good standing](#)
- [View eFile transaction history](#)

New Search Home

Principal Office

90 FIELDSTONE COURT  
CHESHIRE CT06410

Registered Agent/Registered Office

CT CORPORATION SYSTEM  
4701 COX RD STE 301  
GLEN ALLEN VA 23060  
HENRICO COUNTY 143  
Status: Active  
Effective Date: 1/5/2004



COMMONWEALTH OF VIRGINIA  
STATE CORPORATION COMMISSION

Office of the Clerk

June 3, 2011

CT CORPORATION SYSTEM  
4701 COX RD STE 301  
GLEN ALLEN, VA 23060-6802

RECEIPT

RE: RUMMEL, KLEPPER & KAHL, LLP

ID: K000417 - 8

DCN: 11-06-03-0505

Dear Customer:

This is your receipt for \$50.00 to cover the fee for filing the annual continuation report for the above-referenced registered limited liability partnership.

The annual continuation report was filed on June 3, 2011.

If you have any questions, please call (804) 371-9733 or toll-free in Virginia, 1-866-722-2551.

Sincerely,

Joel H. Peck  
Clerk of the Commission

GPACCEPT  
CIS0436

P.O. Box 1197, Richmond, VA 23218-1197  
Tyler Building, First Floor, 1300 East Main Street, Richmond, VA 23219-3630  
Clerk's Office (804) 371-9733 or (866) 722-2551 (toll-free in Virginia) [www.scc.virginia.gov/clk](http://www.scc.virginia.gov/clk)  
Telecommunications Device for the Deaf-TDD/Voice: (804) 371-9206



SCC eFile

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**EBA Engineering, Inc.**

**General**

SCC ID: F1239005  
 Entity Type: Foreign Corporation  
 Jurisdiction of Formation: MD  
 Date of Formation/Registration: 10/22/1997  
 Status: Active  
 Shares Authorized: 1000000

**Select an action**

- [File a registered agent change](#)
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**Principal Office**

4813 SETON DRIVE  
 BALTIMORE MD21215

**Registered Agent/Registered Office**

CT CORPORATION SYSTEM  
 4701 COX RD STE 301  
 GLEN ALLEN VA 23060  
 HENRICO COUNTY 143  
 Status: Active  
 Effective Date: 1/5/2004



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Additional Services

**ENGINEERING & MATERIALS TECHNOLOGIES, INC.**

**General**

SCC ID: 04786331  
 Entity Type: Corporation  
 Jurisdiction of Formation: VA  
 Date of Formation/Registration: 1/29/1997  
 Status: Active  
 Shares Authorized: 5000

**Select an action**

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**Principal Office**

7857 COPPERMINE DRIVE  
 MANASSAS VA20109

**Registered Agent/Registered Office**

SHAHZAD S MOOSA  
 7857 COPPERMINE DR  
 MANASSAS VA 20109  
 PRINCE WILLIAM COUNTY 176  
 Status: Active  
 Effective Date: 7/20/2006



### GeoConcepts Engineering, Inc.

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#### General

SCC ID: 05167671  
 Entity Type: Corporation  
 Jurisdiction of Formation: VA  
 Date of Formation/Registration: 2/25/1999  
 Status: Active  
 Shares Authorized: 5000

#### Select an action

- [File a registered agent change](#)
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#### Principal Office

19955 HIGHLAND VISTA DRIVE  
 SUITE 170  
 ASHBURN VA20147

#### Registered Agent/Registered Office

VIVIAN LEWIS  
 GEOCONCEPTS ENGINEERING INC  
 19955 HIGHLAND VISTA DR #170  
 ASHBURN VA 20147  
 LOUDOUN COUNTY 153  
 Status: Active  
 Effective Date: 11/24/2004

Screen ID: e1000



### H & B Surveying and Mapping, LLC

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#### General

SCC ID: S2905604  
 Entity Type: Limited Liability Company  
 Jurisdiction of Formation: VA  
 Date of Formation/Registration: 4/27/2009  
 Status: Active

#### Select an action

- [File a registered agent change](#)
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#### Principal Office

612 HULL STREET STE 101B  
 RICHMOND VA23224

#### Registered Agent/Registered Office

TIMOTHY H GUARE  
 TIMOTHY H GUARE PLC  
 6802 PARAGON PL STE 100  
 HENRICO VA 23230  
 HENRICO COUNTY 143  
 Status: Active  
 Effective Date: 7/2/2009



### On-Time Utility Solutions, LLC

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#### UCC or Tax Liens

#### Court Services

#### Additional Services

#### General

SCC ID: S2054676  
Entity Type: Limited Liability Company  
Jurisdiction of Formation: VA  
Date of Formation/Registration: 11/28/2006  
Status: Fee delinquent

#### Select an action

- [File a registered agent change](#)
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#### Principal Office

6913 HOVINGHAM CT  
CENTREVILLE VA20121

#### Registered Agent/Registered Office

RENEE T MARTIN  
44330 MERCURE CIR STE 140  
DULLES VA 20166  
LOUDOUN COUNTY 153  
Status: Active  
Effective Date: 4/8/2010



### Rinker Design Associates, P.C.

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#### UCC or Tax Liens

#### Court Services

#### Additional Services

#### General

SCC ID: 02270627  
Entity Type: Corporation  
Jurisdiction of Formation: VA  
Date of Formation/Registration: 2/24/1982  
Status: Active  
Shares Authorized: 20000

#### Select an action

- [File a registered agent change](#)
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#### Principal Office

9385 DISCOVERY BOULEVARD  
SUITE 200  
MANASSAS VA20109

#### Registered Agent/Registered Office

JOHN S WISIACKAS  
ODIN FELDMAN & PITTMAN PC  
1775 WIEHLE AVENUE STE 400  
RESTON VA 20190  
FAIRFAX COUNTY 129  
Status: Active  
Effective Date: 8/27/2012

**SO-DEEP, INC.**

SCC eFile
<a href="#">SCC eFile Home Page</a> <a href="#">Check Name</a> <a href="#">Distinguishability</a> <a href="#">Business Entity Search</a> <a href="#">Certificate Verification</a> <a href="#">FAQs</a> <a href="#">Contact Us</a> <a href="#">Give Us Feedback</a>
<b>Business Entities</b>
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<b>Additional Services</b>

**General**

SCC ID: 02162758  
 Entity Type: Corporation  
 Jurisdiction of Formation: VA  
 Date of Formation/Registration: 4/7/1981  
 Status: Active  
 Shares Authorized: 10000

**Select an action**

- [File a registered agent change](#)
- [File a registered office address change](#)
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**Principal Office**

8397 EUCLID AVE  
 MANASSAS VA 20111

**Registered Agent/Registered Office**

THUY ANH PHAM  
 8397 EUCLID AVENUE  
 MANASSAS PARK VA 20111  
 MANASSAS PARK (FILED IN PRINCE WILLIAM COUNTY) 315  
 Status: Active  
 Effective Date: 4/9/1997

**ProAct Public Relations, LLC**

SCC eFile
<a href="#">SCC eFile Home Page</a> <a href="#">Check Name</a> <a href="#">Distinguishability</a> <a href="#">Business Entity Search</a> <a href="#">Certificate Verification</a> <a href="#">FAQs</a> <a href="#">Contact Us</a> <a href="#">Give Us Feedback</a>
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**General**

SCC ID: S1377375  
 Entity Type: Limited Liability Company  
 Jurisdiction of Formation: VA  
 Date of Formation/Registration: 11/19/2004  
 Status: Active

**Select an action**

- [File a registered agent change](#)
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**Principal Office**

THE IRONFRONTS BLDG  
 1011 E MAIN ST STE 100  
 RICHMOND VA23219

**Registered Agent/Registered Office**

JOHN M HUDDLE  
 THE IRONFRONTS BLDG  
 1011 E MAIN ST STE 100  
 RICHMOND VA 23219  
 RICHMOND CITY 216  
 Status: Active  
 Effective Date: 11/19/2004



## *DPOR Firm Licenses*

**LANE**

**RK&K**

**Details of license number 2701011871**

Name: THE LANE CONSTRUCTION CORPORATION  
License Number: 2701011871  
License Description: Contractor (Class A)  
Class Definitions: VIRGINIA PAVING COMPANY  
Trading Name: Corporation  
Business Type: 90 FIELDSTONE COURT  
Address: CHESHIRE, CT 06410  
Specialties/Classifications: • BUILDING  
Classification Definitions: • HIGHWAY / HEAVY  
Specialty Definitions:  
Initial Certification Date: October 12, 1972  
Expiration Date: January 31, 2014

[print](#)

**Complaints**

**No Open Complaints**

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

**No Closed Complaints**

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

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

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

**Details of license number 0411000271**

Name: RUMMEL KLEPPER & KAHL LLP  
License Number: 0411000271  
License Description: Business Entity Branch Office Registration  
Trading Name: RK&K  
Address: 2100 EAST CARY ST SUITE 309  
RICHMOND, VA 23223  
Initial Certification Date: October 19, 2001  
Expiration Date: February 28, 2014

[print](#)

**Complaints**

**No Open Complaints**

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

**No Closed Complaints**

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

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

**Details of license number 0411000577**

Name: RUMMEL KLEPPER & KAHL LLP  
License Number: 0411000577  
License Description: Business Entity Branch Office Registration  
Trading Name: RK&K  
Address: 10306 EATON PL STE 240  
FAIRFAX, VA 22030  
Initial Certification Date: March 26, 2009  
Expiration Date: February 28, 2014

[print](#)

**Complaints**

**No Open Complaints**

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

**No Closed Complaints**

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

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

**Details of license number 0411000667**

Name: RUMMEL KLEPPER & KAHL LLP  
License Number: 0411000667  
License Description: Business Entity Branch Office Registration  
Address: 2901 S. LYNNHAVEN ROAD SUITE 300  
VIRGINIA BEACH, VA 23452  
Initial Certification Date: September 24, 2009  
Expiration Date: February 28, 2014

[print](#)

**Complaints**

**No Open Complaints**

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

**No Closed Complaints**

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

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

**Details of license number 0411000443**

Name: RUMMEL KLEPPER & KAHL LLP  
License Number: 0411000443  
License Description: Business Entity Branch Office Registration  
Trading Name: RK & K  
Address: 721 LAKEFRONT COMMONS SUITE 203  
NEWPORT NEWS, VA 23606  
Initial Certification Date: July 7, 2006  
Expiration Date: February 28, 2014

prin

**Complaints**

**No Open Complaints**

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

**No Closed Complaints**

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

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

**Details of license number 0407002860**

Name: RUMMEL KLEPPER & KAHL LLP  
License Number: 0407002860  
License Description: Business Entity Registration  
Address: 81 MOSHER ST  
BALTIMORE, MD 21217  
Initial Certification Date: March 29, 1988  
Expiration Date: December 31, 2013

print

**Complaints**

**No Open Complaints**

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

**No Closed Complaints**

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

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

**Details of license number 0411000871**

Name: EBA ENGINEERING INC  
License Number: 0411000871  
License Description: Business Entity Branch Office Registration  
Address: 714 WESTWOOD OFFICE PARK  
FREDERICKSBURG, VA 22401  
Initial Certification Date: October 17, 2011  
Expiration Date: February 28, 2014

[print](#)

**Complaints**

**No Open Complaints**

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

**No Closed Complaints**

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

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

**Details of license number 0407005994**

Name: ENGINEERING & MATERIALS TECHNOLOGIES INC  
License Number: 0407005994  
License Description: Business Entity Registration  
Business Type: CORP  
Address: 7857 COPPERMINE DR  
MANASSAS, VA 20109  
Initial Certification Date: December 8, 2011  
Expiration Date: December 31, 2013

[print](#)

**Complaints**

**No Open Complaints**

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

**No Closed Complaints**

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

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

**Details of license number 0407004404**

Name: GEOCONCEPTS ENGINEERING INC  
License Number: 0407004404  
License Description: Business Entity Registration  
Business Type: CORP  
Address: 19955 HIGHLAND VISTA DRIVE SUITE 170  
ASHBURN, VA 20147  
Initial Certification Date: March 28, 2003  
Expiration Date: December 31, 2013

[print](#)

**Complaints**

**No Open Complaints**

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

**No Closed Complaints**

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

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

**Details of license number 0407005432**

Name: H & B SURVEYING & MAPPING LLC  
License Number: 0407005432  
License Description: Business Entity Registration  
Address: 612 HULL ST SUITE 101B  
RICHMOND, VA 23224  
Initial Certification Date: May 5, 2009  
Expiration Date: December 31, 2013

[print](#)

**Complaints**

**No Open Complaints**

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

**No Closed Complaints**

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

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

**Details of license number 4008001684**

Name: RINKER DESIGN ASSOCIATES PC  
License Number: 4008001684  
License Description: Appraisal Business Registration  
Business Type: Corporation  
Address: 9385 DISCOVERY BOULEVARD SUITE 200  
MANASSAS, VA 20109  
Initial Certification Date: February 10, 2011  
Expiration Date: February 28, 2013

[print](#)

**Complaints**

**No Open Complaints**

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

**No Closed Complaints**

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

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

**Details of license number 4008001739**

Name: RINKER DESIGN ASSOCIATES P C  
License Number: 4008001739  
License Description: Appraisal Business Registration  
Business Type: Corporation  
Address: 927 MAPLE GROVE DR STE 105  
FREDERICKSBURG, VA 22407  
Initial Certification Date: April 30, 2012  
Expiration Date: April 30, 2014

[print](#)

**Complaints**

**No Open Complaints**

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

**No Closed Complaints**

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

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

**Details of license number 0407002900**

Name:	SO-DEEP INC.
License Number:	0407002900
License Description:	Business Entity Registration
Business Type:	CORP
Address:	8397 EUCLID AVENUE MANASSAS PARK, VA 22111
Initial Certification Date:	February 6, 1989
Expiration Date:	December 31, 2013

prir

**Complaints**

**No Open Complaints**

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

**No Closed Complaints**

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

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



## *DPOR Individual Licenses*

**LANE**

**RK&K**

#### Details of license number 0402046882

Name: PEERY, OWEN LEE  
License Number: 0402046882  
License Description: Professional Engineer License  
Address: RICHMOND VA, 23219  
Initial Certification Date: October 21, 2009  
Expiration Date: October 31, 2013

[print](#)

#### Complaints

##### No Open Complaints

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

##### No Closed Complaints

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

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

#### Details of license number 0402038025

Name: MASTERS, RYAN WENDELL  
License Number: 0402038025  
License Description: Professional Engineer License  
Address: MECHANICSVILLE VA, 23116  
Initial Certification Date: June 10, 2003  
Expiration Date: June 30, 2013

[print](#)

#### Complaints

##### No Open Complaints

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

##### No Closed Complaints

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

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

**Details of license number 0402038783**

Name: HOGAN, MICHAEL JOHN, JR  
License Number: 0402038783  
License Description: Professional Engineer License  
Address: MIDLOTHIAN VA, 23112  
Initial Certification Date: January 7, 2004  
Expiration Date: January 31, 2014

[print](#)

**Complaints**

**No Open Complaints**

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

**No Closed Complaints**

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**Details of license number 0402049765**

Name: REEVES, SHEILA STALLINGS  
License Number: 0402049765  
License Description: Professional Engineer License  
Address: MIDLOTHIAN VA, 23114  
Initial Certification Date: November 30, 2011  
Expiration Date: November 30, 2013

[print](#)

**Complaints**

**No Open Complaints**

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

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**Details of license number 0402048084**

Name: BRANDT, BARRY L  
License Number: 0402048084  
License Description: Professional Engineer License  
Address: SEVERNA PARK MD, 21146  
Initial Certification Date: September 17, 2010  
Expiration Date: September 30, 2014

[print](#)

**Complaints**

**No Open Complaints**

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

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**Details of license number 0402033768**

Name: CLIFTON, RICHARD DENNE  
License Number: 0402033768  
License Description: Professional Engineer License  
Address: POQUOSON VA, 23662  
Initial Certification Date: June 2, 1999  
Expiration Date: June 30, 2013

[print](#)

**Complaints**

**No Open Complaints**

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

**No Closed Complaints**

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**Details of license number 0402040380**

Name: SHIRLEY, KENNETH JAMES  
License Number: 0402040380  
License Description: Professional Engineer License  
Address: ORANGE VA, 22960  
Initial Certification Date: August 23, 2004  
Expiration Date: August 31, 2014

[print](#)

**Complaints**

**No Open Complaints**

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

**No Closed Complaints**

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**Details of license number 0402021556**

Name: BURKART, PAUL EDWARD  
License Number: 0402021556  
License Description: Professional Engineer License  
Address: ASHBURN VA, 20147  
Initial Certification Date: August 30, 1990  
Expiration Date: March 31, 2014

[print](#)

**Complaints**

**No Open Complaints**

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

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Details of license number 0403002362

Name: BYRNSIDE, LESLIE RAY  
License Number: 0403002362  
License Description: Land Surveyor License  
Address: CHESTERFIELD VA, 23832  
Initial Certification Date: June 16, 1999  
Expiration Date: June 30, 2013

[print](#)

Complaints

No Open Complaints

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

No Closed Complaints

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Details of license number 0402022310

Name: SKAHN, CARY ALAN  
License Number: 0402022310  
License Description: Professional Engineer License  
Address: CENTREVILLE VA, 20120  
Initial Certification Date: June 5, 1991  
Expiration Date: June 30, 2013

[print](#)

Complaints

No Open Complaints

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

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## ***RFQ Section 2.2, Offeror's Scope of Work***

**Offeror's Scope of Work states: "Right-of-way work includes all items necessary to acquire the right-of-way. The Offeror's Right-of-Way team member shall be a VDOT prequalified right-of-way contracting consultant, and must include a VDOT prequalified Fee Appraiser and a VDOT prequalified Review Appraiser. All Right of Way acquisitions and relocations shall be performed in accordance with the VDOT Right of Way Manual and all applicable state and federal laws and regulations."**

**The LANE team has fulfilled this requirement through Rinker Design Associates, PC and Appraisal Review Specialist, LLC Licensure information can be found on the following pages.**

**LANE**

**RK&K**

### Details of license number 4008001735

Name: APPRAISAL REVIEW SPECIALISTS LLC  
License Number: 4008001735  
License Description: Appraisal Business Registration  
Business Type: L  
Address: 3058 MOUNT VERNON ROAD SUITE 12  
HURRICANE, WV 25523  
Initial Certification Date: April 5, 2012  
Expiration Date: April 30, 2014

[print](#)

### Complaints

#### No Open Complaints

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**SCC eFile**  
**Business Entity Details** [Help](#)

**Appraisal Review Specialists, LLC**

SCC eFile
SCC eFile Home Page
Check Name
Distinguishability
Business Entity Search
Certificate Verification
FAQs
Contact Us
Give Us Feedback
Business Entities
UCC or Tax Liens
Court Services
Additional Services

**General**

SCC ID: T0490682  
Entity Type: Foreign Limited Liability Company  
Jurisdiction of Formation: WV  
Date of Formation/Registration: 2/3/2012  
Status: Active

**Principal Office**

3058 MOUNT VERNON RD  
HURRICANE WV25526

**Registered Agent/Registered Office**

INCORP SERVICES INC  
7288 HANOVER GREEN DR  
MECHANICSVILLE VA 23111  
HANOVER COUNTY 142  
Status: Active  
Effective Date: 2/3/2012

**Select an action**

- [File a registered agent change](#)
- [File a registered office address change](#)
- [Resign as registered agent](#)
- [Pay annual registration fee](#)
- [Order a certificate of fact of registration in Virginia](#)
- [Submit a PDF for processing \(What can I submit?\)](#)
- [View eFile transaction history](#)
- [Manage email notifications](#)

**Details of license number 4008001684**

Name: RINKER DESIGN ASSOCIATES PC  
License Number: 4008001684  
License Description: Appraisal Business Registration  
Business Type: Corporation  
Address: 9385 DISCOVERY BOULEVARD SUITE 200  
MANASSAS, VA 20109  
Initial Certification Date: February 10, 2011  
Expiration Date: February 28, 2013

[print](#)

**Complaints**

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**Details of license number 4008001739**

Name: RINKER DESIGN ASSOCIATES P C  
License Number: 4008001739  
License Description: Appraisal Business Registration  
Business Type: Corporation  
Address: 927 MAPLE GROVE DR STE 105  
FREDERICKSBURG, VA 22407  
Initial Certification Date: April 30, 2012  
Expiration Date: April 30, 2014

[print](#)

**Complaints**

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**Details of license number 4001012863**

Name:	CALAMOS, CHRISTOPHER STAVROS
License Number:	4001012863
License Status:	Active
License Description:	Real Estate Appraiser
Type	Certified Residential
Address:	FREDERICKSBURG VA, 22401
Initial Certification Date:	November 30, 2007
Expiration Date:	November 30, 2013
Continuing Education:	<a href="#">Click here to view continuing education.</a>

[print](#)

**Complaints**

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# COMMONWEALTH of VIRGINIA

DEPARTMENT OF TRANSPORTATION  
1401 EAST BROAD STREET  
RICHMOND, VIRGINIA 23219-2000

GREGORY A. WHIRLEY  
COMMISSIONER

February 11, 2011

Mr. Christopher R. Reed, CSI  
Director of Special Projects  
Rinker Design Associates, P. C.  
9300 West Courthouse Rd.  
Suite 300  
Manassas, VA 20110

Dear Mr. Reed:

We are pleased to announce that your firm has been added to our list of prequalified consultants. As you are aware, any time a proposal is posted, you will receive an email.

The procedures for accessing the RFP's from the Internet are as follows:

- a) You may access the proposal from the ROW main page at [www.Virginiadot.org/business/row-default.asp](http://www.Virginiadot.org/business/row-default.asp).
- b) A popup box displaying the RFP number, pre-proposal meeting, proposals due and service type will appear.
- c) When there is an active RFP a "Download" option will appear. Simply click on this and the RFP can be downloaded.

When a RFP is posted you will receive an email with a direct link. Consultants should respond by email within three (3) days after receipt of the email indicating that a RFP has been posted. If a response is not received by the end of the third (3<sup>rd</sup>) day, you will receive one (1) call advising that a RFP has been placed on the Internet. Please provide this office with any other email addressed needed for proposal notification

Should you have any questions or if I can be of assistance, you can reach me at 804-786-2910.

Sincerely,

A handwritten signature in cursive script that reads 'Vicki B. Campbell'.

Vicki B. Campbell  
Administrative & Consultant Coordinator

VirginiaDOT.org  
WE KEEP VIRGINIA MOVING

**APPRAISERS/APPRAISAL FIRMS  
APPROVED BY VDOT TO PERFORM  
APPRAISAL SERVICES**

**SENIOR APPRAISER DESIGNATION**

<b><u>NAME</u></b>	<b><u>ADDRESS &amp; TELEPHONE #</u></b>	<b>SWAM/ DBE</b>
<b><u>BRISTOL</u></b>		
Castle, David N. Certified General	310 W. Main Street <a href="#">P. O. Box 1296</a> Lebanon, Virginia 24266 (276) 889-4020 (276) 889-2749 – Fax <a href="mailto:Dcastle@naxs.com">Dcastle@naxs.com</a>	
Davis, Lorraine	647 Beall Avenue Luray, VA 22835 (540) 743-3610 <a href="mailto:davisappraisals@embarqmail.com">davisappraisals@embarqmail.com</a> <a href="mailto:douglad@embarqmail.com">douglad@embarqmail.com</a>	<b>SWAM</b>
Forni, Carlo S Certified General	Allen, Williford & Seal 11999 Katy Freeway, Suite 400 Houston, Texas 77079 <a href="mailto:cforni@appraiser.com">cforni@appraiser.com</a> (281) 493-4444 (291) 493-6845	
Hamuka, Elizabeth A. MAI	John McCracken & Associates, Inc. 703 Green Valley Road, Suite 102 Greensboro, North Carolina 27408-7052 (336) 274-5050 EX 128 (336) 275-9440 – Fax <a href="mailto:elizabeth@jmaappraisals.com">elizabeth@jmaappraisals.com</a>	<b>SWAM/DBE</b>
Klutz, Warren MAI, SRA, CCIM Certified General	Warren Klutz & Company 1241 Volunteer Parkway, Suite 426 Bristol, Tennessee 37620 (423) 968-4546 (423) 968-4544 - Fax <a href="mailto:warren@warrenklutz.org">warren@warrenklutz.org</a>	

<u>NAME</u>	<u>ADDRESS &amp; TELEPHONE #</u>	<u>SWAM/ DBE</u>
Meers, Rodney Allen. MAI	John McCracken & Associates, Inc. 703 Green Valley Road, Suite 102 Greensboro, North Carolina 27408-7052 (336) 274-5050 EX 128 (336) 275-9440 – Fax <a href="mailto:rodney@jmaappraisals.com">rodney@jmaappraisals.com</a>	SWAM/DBE
McGlothlin, Harold N. Certified Residential	P. O. Box 1523 Clintwood, Virginia 24228-1523 (276) 926-8822 NONE Fax <a href="mailto:mcglothlinappraisals@comcast.net">mcglothlinappraisals@comcast.net</a>	DBE
Dew, Joel B. MAI	JBD & Associates of NC, LLC P. O. Box 8508 Asheville, North Carolina 28814 (828) 255-4964 Ex 114 (828) 255-0929 – Fax <a href="mailto:jdew@jbdassociates.com">jdew@jbdassociates.com</a>	
Forni, Carlo S Certified General	Allen, Williford & Seal 11999 Katy Freeway, Suite 400 Houston, Texas 77079 <a href="mailto:cforni@appraiser.com">cforni@appraiser.com</a> (281) 493-4444 (291) 493-6845	
Crider, Charles F. MAI	Crider Taylor & Bouye, LLC 2 Ridgeway Avenue Greenville, SC 29607 <a href="mailto:crider@criderappraisals.com">crider@criderappraisals.com</a> (864) 232-1788 (864) 232-1890 – Fax	
White, Rebecca Certified General	ValueTech, Inc. 3959 Electric Road, Suite 460 Roanoke, Virginia 24018 <a href="mailto:Gratitude@netscape.com">Gratitude@netscape.com</a> (540) 293-8095 (866) 270-8173 - Fax	

White, Donald  
 Certified General  
 ValueTech, Inc.  
 3959 Electric Road, Suite 460  
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[Gratitude@netscape.com](mailto:Gratitude@netscape.com)  
 (540) 293-8095  
 (866) 270-8173 - Fax

**CULPEPER**

Davis, Lorraine  
 647 Beall Avenue  
 Luray, VA 22835  
 (540) 743-3610  
[davisappraisals@embarqmail.com](mailto:davisappraisals@embarqmail.com)  
[douglad@embarqmail.com](mailto:douglad@embarqmail.com)

**SWAM**

Forni, Carlo S  
 Certified General  
 Allen, Williford & Seal  
 11999 Katy Freeway, Suite 400  
 Houston, Texas 77079  
[cforni@appraiser.com](mailto:cforni@appraiser.com)  
 (281) 493-4444  
 (291) 493-6845

Hamuka, Elizabeth A.  
 MAI  
 John McCracken & Associates, Inc.  
 703 Green Valley Road, Suite 102  
 Greensboro, North Carolina 27408-7052  
 (336) 274-5050 EX 128  
 (336) 275-9440 – Fax  
[elizabeth@jmaappraisals.com](mailto:elizabeth@jmaappraisals.com)

**SWAM/DBE**

Meers, Rodney Allen.  
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 John McCracken & Associates, Inc.  
 703 Green Valley Road, Suite 102  
 Greensboro, North Carolina 27408-7052  
 (336) 274-5050 EX 128  
 (336) 275-9440 – Fax  
[rodney@jmaappraisals.com](mailto:rodney@jmaappraisals.com)

**SWAM/DBE**

O’Grady Filer, Patricia A  
 MAI  
 Certified General  
 P. O. Box 818  
 124 W. Main Street  
 Orange, Virginia 23960  
 (540) 672-0419  
 (540) 672-1878 – Fax  
[pat@piedmontappraisalco.com](mailto:pat@piedmontappraisalco.com)

Robinson, Walter A., Jr.  
 GAA  
 Certified General  
 7209 Candy Meadow Lane  
 Warrenton, Virginia 20186-7662  
 (540) 347-9008  
 (540) 347-4840  
[warjr7209@aol.com](mailto:warjr7209@aol.com)

<u>NAME</u>	<u>ADDRESS &amp; TELEPHONE #</u>	<u>SWAM/ DBE</u>
Dew, Joel B. MAI	JBD & Associates of NC, LLC P. O. Box 8508 Asheville, North Carolina 28814 (828) 255-4964 Ex 114 (828) 255-0929 – Fax <a href="mailto:jdew@jbdassociates.com">jdew@jbdassociates.com</a>	
Pape, Karen, MAI, SRA President SENIOR APPRAISER	Pape & Company, Inc. 1421 Sachem Place, Suite 1 Charlottesville, Virginia 22901 (434) 975-6640 (434) 975-6641 <a href="mailto:karen@papeandco.com">karen@papeandco.com</a>	<b>SWAM/DBE</b>
Deeds, Richard P. Certified General	Deeds Realty Services, LLC 501 Church Street, #117 Vienna, Virginia 22180 (703) 255-6629 Ex. 102 (703) 255-6873 <a href="mailto:rd@deedsco.com">rd@deedsco.com</a>	
Crider, Charles F. MAI	Crider Taylor & Bouye, LLC 2 Ridgeway Avenue Greenville, SC 29607 <a href="mailto:crider@criderappraisals.com">crider@criderappraisals.com</a> (864) 232-1788 (864) 232-1890 - Fax	
<b><u>FREDERICKSBURG</u></b>		
Davis, Lorraine	647 Beall Avenue Luray, VA 22835 (540) 743-3610 <a href="mailto:davisappraisals@embarqmail.com">davisappraisals@embarqmail.com</a> <a href="mailto:douglad@embarqmail.com">douglad@embarqmail.com</a>	<b>SWAM</b>
Forni, Carlo S Certified General	Allen, Williford & Seal 11999 Katy Freeway, Suite 400 Houston, Texas 77079 <a href="mailto:cforni@appraiser.com">cforni@appraiser.com</a> (281) 493-4444 (291) 493-6845	

<u>NAME</u>	<u>ADDRESS &amp; TELEPHONE #</u>	<u>SWAM/ DBE</u>	
Hamuka, Elizabeth A. MAI	John McCracken & Associates, Inc. 703 Green Valley Road, Suite 102 Greensboro, North Carolina 27408-7052 (336) 274-5050 EX 128 (336) 275-9440 – Fax <a href="mailto:elizabeth@jmaappraisals.com">elizabeth@jmaappraisals.com</a>	SWAM/DBE	
Heric, Martha MAI Certified General	The Riemann Companies, Inc. P. O. Box 458 203 Prince George Street Urbanna, Virginia 23175 (804) 758-4975 (804) 758-3293 – Fax <a href="mailto:mhtrc@aol.com">mhtrc@aol.com</a>	SWAM/DBE	
Deeds, Richard P. Certified General	Deeds Realty Services, LLC 501 Church Street, #117 Vienna, Virginia 22180 (703) 255-6629 Ex. 102 (703) 255-6873 <a href="mailto:rd@deedsco.com">rd@deedsco.com</a>		\$850.00 Duplicate
Dew, Joel B. MAI	JBD & Associates of NC, LLC P. O. Box 8508 Asheville, North Carolina 28814 (828) 255-4964 Ex 114 (828) 255-0929 – Fax <a href="mailto:jdew@jbdassociates.com">jdew@jbdassociates.com</a>		
Meers, Rodney Allen. MAI	John McCracken & Associates, Inc. 703 Green Valley Road, Suite 102 Greensboro, North Carolina 27408-7052 (336) 274-5050 EX 128 (336) 275-9440 – Fax <a href="mailto:rodney@jmaappraisals.com">rodney@jmaappraisals.com</a>	SWAM/DBE	
Crider, Charles F. MAI	Crider Taylor & Bouye, LLC 2 Ridgeway Avenue Greenville, SC 29607 <a href="mailto:crider@criderappraisals.com">crider@criderappraisals.com</a> (864) 232-1788 (864) 232-1890 - Fax		

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White, Donald Certified General	ValueTech, Inc. 3959 Electric Road, Suite 460 Roanoke, Virginia 24018 <a href="mailto:Gratitude@netscape.com">Gratitude@netscape.com</a> (540) 293-8095 (866) 270-8173 - Fax	
<b><u>STAUNTON</u></b>		
Davis, Lorraine	647 Beall Avenue Luray, VA 22835 (540) 743-3610 <a href="mailto:davisappraisals@embarqmail.com">davisappraisals@embarqmail.com</a> <a href="mailto:douglad@embarqmail.com">douglad@embarqmail.com</a>	<b>SWAM</b>
Forni, Carlo S Certified General	Allen, Williford & Seal 11999 Katy Freeway, Suite 400 Houston, Texas 77079 <a href="mailto:cforni@appraiser.com">cforni@appraiser.com</a> (281) 493-4444 (291) 493-6845	
McCormick, Jr., Milton R. ASA, IFA Certified General	The McCormick Company, Inc. P. O. Box 1316 Stephens City, Virginia 22655 (540) 858-2878 (540) 858-2879 – Fax <a href="mailto:MiltonMcCormickjr@msn.com">MiltonMcCormickjr@msn.com</a>	
Hamuka, Elizabeth A. MAI	John McCracken & Associates, Inc. 703 Green Valley Road, Suite 102 Greensboro, North Carolina 27408-7052 (336) 274-5050 EX 128 (336) 275-9440 – Fax <a href="mailto:elizabeth@jmaappraisals.com">elizabeth@jmaappraisals.com</a>	<b>SWAM/DBE</b>

<u>NAME</u>	<u>ADDRESS &amp; TELEPHONE #</u>	<u>SWAM/ DBE</u>
Meers, Rodney Allen. MAI	John McCracken & Associates, Inc. 703 Green Valley Road, Suite 102 Greensboro, North Carolina 27408-7052 (336) 274-5050 EX 128 (336) 275-9440 – Fax <a href="mailto:rodney@jmaappraisals.com">rodney@jmaappraisals.com</a>	SWAM/DBE
Dew, Joel B. MAI	JBD & Associates of NC, LLC P. O. Box 8508 Asheville, North Carolina 28814 (828) 255-4964 Ex 114 (828) 255-0929 – Fax <a href="mailto:jdew@jbdassociates.com">jdew@jbdassociates.com</a>	
Crider, Charles F. MAI	Crider Taylor & Bouye, LLC 2 Ridgeway Avenue Greenville, SC 29607 <a href="mailto:crider@criderappraisals.com">crider@criderappraisals.com</a> (864) 232-1788 (864) 232-1890 – Fax	
White, Rebecca Certified General	ValueTech, Inc. 3959 Electric Road, Suite 460 Roanoke, Virginia 24018 <a href="mailto:Gratitude@netscape.com">Gratitude@netscape.com</a> (540) 293-8095 (866) 270-8173 - Fax	
White, Donald Certified General	ValueTech, Inc. 3959 Electric Road, Suite 460 Roanoke, Virginia 24018 <a href="mailto:Gratitude@netscape.com">Gratitude@netscape.com</a> (540) 293-8095 (866) 270-8173 - Fax	

**APPRAISERS/APPRAISAL FIRMS  
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**SPECIALITY APPRAISERS**

<b><u>NAME</u></b>	<b><u>ADDRESS &amp; TELEPHONE #</u></b>	<b>SWAM/ DBE</b>
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**APPRAISERS/APPRAISAL FIRMS  
APPROVED BY VDOT TO PERFORM  
APPRAISAL SERVICES**

**APPRAISER ONLY DESIGNATION**

<b><u>NAME</u></b>	<b><u>ADDRESS &amp; TELEPHONE #</u></b>	<b>SWAM/ DBE</b>
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<u>NAME</u>	<u>ADDRESS &amp; TELEPHONE #</u>	<u>SWAM/ DBE</u>
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Stuchell, Richard	Richard Stuchell Sole Proprietor Stuchell Valuations 10012 Shadowridge Court Fredericksburg, Virginia 22407	

**FREDERICKSBURG DISTRICT**

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Stuchell, Richard	Richard Stuchell Sole Proprietor Stuchell Valuations 10012 Shadowridge Court Fredericksburg, Virginia 22407	

<u>NAME</u>	<u>ADDRESS &amp; TELEPHONE #</u>	<u>SWAM/ DBE</u>
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**HAMPTON ROADS DISTRICT**

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**LYNCHBURG DISTRICT**

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DeAstra, Lore F. MBA,SRA,CCRA SCV,CTM Director, RE Services	Continental Appraisal Consultants, LTD 2711 Buford Road, Suite 101 Richmond, Virginia 23235 (804) 231-4676 (804) 231-7632 <a href="mailto:Lore.DeAstra@Continental-Appraisal.com">Lore.DeAstra@Continental-Appraisal.com</a>	<b>SWAM</b>
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**FEE REVIEW APPRAISERS/FEE REVIEW APPRAISAL FIRMS  
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Barber, R. Scott Manager/Review Appraiser	Appraisal Review Specialist, LLC 3058 Mt. Vernon Road, Suite 12 Hurricane, West Virginia 25526-9458 Telephone: 304-760-2156 Fax: 304-760-2158 <a href="mailto:appraisalreview@frontier.com">appraisalreview@frontier.com</a>	
Crawford, Steven M. CEO	Riverridge Valuations, Inc. 135 Brassy Court Johns Creek, Georgia 30022 <a href="mailto:stevencrawford@bellsouth.net">stevencrawford@bellsouth.net</a> (404) 401-3838 (Cell) (770) 640-1922 (Fax)	<b>SWAM</b>
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**PANEL OF RIGHT OF WAY ACQUISITION CONSULTANTS**

**FIRMS WHO ARE PREQUALIFIED FOR VDOT ADMINISTERED CONTRACTS  
INCLUDES P3, DESIGN BUILD AND  
LOCALLY ADMINISTERED PROJECTS**

<u>COMPANY NAME</u>	<u>CONTACT</u>	<u>TELEPHONE NO.</u>
AECOM 4840 Cox Road Glen Allen, VA 23060	G. Lee Cooper	(804) 515-8324
American Acquisition 5600 Mariner St., Suite 104 Tampa, Florida 33609	Wade Brown W. C. Miller	(813) 287-8191 (813) 287-8191
Cardno TBE 1100 Athens, Suite A Richmond, VA 23227-1145	Mike Woods	(804) 285-4811
Coates Field Service, Inc. 4800 N. Santa Fe Oklahoma City, OK 73118	Joe Coates	(405) 528-5676
Continental Field Services P. O. Box 915 (32 E. Field Rd.) Bedford, NY 10506 6320 Augusta Dr., Suite 401 Springfield, VA 22150	Michael Hill  Paul Shray	(914) 234-4194  (703) 451-5577
Diversified Property Services 20 E. Timonium Road, Suite 111 Timonium, MD 21093	Patricia E. Dablock	(410) 252-5075 or (800) 996-5499
Greenhorne & O'Mara, Inc. 10800 Midlothian Turnpike, Suite 310 Richmond, VA 23235	Tim Copeland Project Director	(804) 897-6309 (757) 647-8474 (cell)

**PANEL OF RIGHT OF WAY ACQUISITION CONSULTANTS**

**FIRMS WHO ARE PREQUALIFIED FOR VDOT ADMINISTERED CONTRACTS  
INCLUDES P3, DESIGN BUILD AND  
LOCALLY ADMINISTERED PROJECTS**

KDR Real Estate 2500 Grenoble Road Richmond, Virginia 23294	Allen G. Dorin	(804) 672-1368 Ext. 302
O. R. Colan 22710 Fairview Center Drive Fairview, Ohio 44126	Catherine Muth Kevin Robison Steve Toth	(704) 529-3115 Ext. 255 (440) 827-6116 Ext. 202 (440) 827-6116
Pinnacle Consulting Management 1141 N. Robinson, Ste 402 Oklahoma City, OK 73103	Jennifer Harrison	(405) 879-0600
Vaughn & Melton Consulting Engineers, Inc. P. O. Box 1425 109 S. 24th Street Middlesboro, Kentucky 40965	Randolph Scott	(606) 248-6600
Volkert & Associates 5400 Shawnee Road, Suite 301 Alexandria, VA 22312	Dennis Morrison	(703) 642-8100
Universal Field Services P. O. Box 35666 (74153-0666) 6666 South Sheridan Rd., Suite 230 Tulsa, Oklahoma 74133-1763	Steve Benson Leslie Pacheco	(918) 494-7600 (856) 795-1314

**PANEL OF RIGHT OF WAY ACQUISITION CONSULTANTS**

**FIRMS WHO ARE PREQUALIFIED FOR VDOT ADMINISTERED CONTRACTS  
(INCLUDES P3 AND DESIGN BUILD)**

<u>COMPANY NAME</u>	<u>CONTACT</u>	<u>TELEPHONE NO.</u>
Gulf Coast Property Acquisition, Inc. 4339 Stuart Andrew Blvd. Suite 220 Charlotte, NC 28217	Paul W. McMahan	(704) 529-3949
Johnson, Mirmiran & Thompson, Inc. 72 Loveton Circle Sparks, Maryland 21152-0949 Johnson, Mirmiran & Thompson, Inc.	Joe Miklochik	(410) 316-2487
Rinker Design Associates, P. C. 9385 Discovery Boulevard Suite 200 Manassas, VA 20109	Christopher R. Reed, CSI	(703) 368-7373
Telics PO Box 830 Statesville, NC 28687	Steve Nichols David Bailey, Senior Mgr. Taylor Keith, Manager	(704) 872-5060 (919) 356-6695 (252) 375-5010
CDM SMITH 2112 West Laburnum Suite 100 Richmond, VA 23227	Wesley O. Stafford, P. E. <a href="mailto:staffordwo@cdmsmith.com">staffordwo@cdmsmith.com</a> <a href="mailto:kingpf@cdmsmith.com">kingpf@cdmsmith.com</a>	(304) 345-2339 (804) 377-2300
Bowman Consulting Group 9813 Godwin Drive Manassas, VA 20110	Ronnie Van Cleve Senior Project Manager	(703) 302-8740 (703) 867-5197



## Attachment 3.3.1

### *Key Personnel Resumes*

**LANE**

**RK&K**

**ATTACHMENT 3.3.1**

**KEY PERSONNEL RESUME FORM**

<b>Brief Resume of Key Personnel anticipated for the Project.</b>	
a. Name & Title:	<b>Richard McDonough – District Manager</b>
b. Project Assignment:	<b>Design-Build Project Manager</b>
c. Name of Firm with which you are now associated:	<b>The Lane Construction Corporation</b>
d. Years experience: With this Firm <u>6</u> Years With Other Firms <u>28</u> Years *Please list chronologically (most recent experience first) your employment history, position and general experience or fields of practice for the last fifteen(15) years. (NOTE: If you have less than 15 years of experience, please list all of your experience for those years you have worked.):	
<p><b>The LANE Construction Corporation – P3 and Design-Build Senior Manager</b> <span style="float:right"><b>2009 – Present</b></span></p> <p>Mr. McDonough is responsible for the pursuit and development of P3 and Design-Build projects company-wide for LANE. His responsibilities include the overall administration of projects, addressing project issues, communicating design progress to owners, and adhering to project schedules. He interacts with the construction managers, owners, and all other involved stakeholders regarding the progress of construction, schedule, budget, quality control, and safety on projects. He has managed and led the construction for more than 30 miles of highway and 36 bridges.</p> <p><b>The LANE Construction Corporation</b> <span style="float:right"><b>2006 - 2009</b></span></p> <p>Mr. McDonough joined LANE as a project manager through the Moore Brothers acquisition in October 2006. He was promoted to Assistant District Manager and then District Manager. He supported the LANE Mid-Atlantic operations and Virginia Sign and Lighting Company, a division of LANE. In addition to his responsibilities on the Linton Hall Road and Route 50 Traffic Calming D-B at Gilbert’s Corner projects, he participated in the development of new projects for construction, negotiations with owners, and plan development. He was also responsible for the overall administration of projects, addressing project issues, taking corrective actions as necessary, communicating design progress to owners, and adherence to project schedules. He interacted with construction managers, owners, and all stakeholders regarding the progress of construction, schedule, budget, quality control, and safety.</p> <p><b>Moore Brothers Construction – Vice President of Operations</b> <span style="float:right"><b>1998 - 2006</b></span></p> <p>Mr. McDonough was responsible for field operations including safety, project staffing, means and methods of construction, direct oversight of all bridge construction operations, estimating for bids and change orders, budget review, and project development.</p>	
e. Education: Name & Location of Institution(s)/Degree(s)/Year/Specialization:	<b>Virginia Military Institute, Lexington, VA / BS / 1979 / Civil Engineering</b>
f. Active Registration: Year First Registered/ Discipline/VA Registration #:	N/A
<p>g. Document the extent and depth of your experience and qualifications relevant to the Project.</p> <ol style="list-style-type: none"> <li>1. Note your specific responsibilities and authorities for each assignment, not those of the firm.</li> <li>2. Note whether experience is with current firm or with other firm.</li> <li>3. Provide beginning and end dates for each assignment.</li> </ol> <p><b>(List at least three (3), but no more than five (5) relevant projects for which you have performed a similar function.</b></p> <p><b>Project:</b> <b>B South Norfolk Jordan Bridge, Norfolk, VA</b></p> <p><b>Name of Firm:</b> <b>Lane Construction</b> <span style="float:right"><b>With Current Firm: Yes</b></span></p> <p><b>Start Date:</b> <b>2009</b> <span style="float:right"><b>Finish Date: 2012</b></span></p> <p><b>Project Role:</b> <b>Executive Sponsor/P3 and Design-Build Senior Manager</b></p> <p><b>Responsibilities:</b> LANE P3 and D-B Senior Manager for \$73M P3, D-B project of a new 5,375-ft-long, two-lane, fixed-span, high-rise toll bridge over the Elizabeth River. LANE was responsible for <i>all</i> construction. When the toll bridge opened to traffic in Oct. 2012 it became one of the few privately-owned structures in the United States. Major project elements consisted of a new bridge with two 12-ft-wide traffic lanes and two eight-ft-wide shoulders. An eight-ft-wide ADA-compliant sidewalk was separated from traffic by a concrete barrier. The new bridge provides a much-needed route for emergency vehicles and an additional evacuation route. A fully electronic tolling system with E-Z Pass offers maximum convenience for users. The work included structural and highway design/construction, geotechnical work, hydraulics, hydrology and erosion control, permitting, utility coordination, project management, construction and QA/QC. As the P3 and D-B Senior Manager, Mr. McDonough was responsible for overall management of the construction aspects of the project including overseeing the implementation of an innovative new segment loader and truss system that can “launch itself” via remote-control as it moves from pier to pier. He was also responsible for coordination with P3 associate firms, financing parties and all key state and local stakeholders.</p>	

**Project:** **B** VDOT Route 50 Traffic Calming Improvements (at Gilberts Corner), Loudoun County, VA

**Name of Firm:** Lane Construction **With Current Firm:** Yes

**Start Date:** 2007 **Finish Date:** 2009

**Project Role:** Design-Build Project Manager

**Responsibilities:** Design-Build Project Manager of this innovative \$13M D-B traffic-calming project for VDOT. The scope for this project was to add four roundabouts within the existing roadway, under traffic, to calm and make safe travel through this heavily congested commuter corridor. Mr. McDonough's responsibilities included the overall administration of project including design, public relations and quality management. He was also responsible for chairing weekly coordination meetings between the LANE team and VDOT maintaining a homogeneous work effort for design, construction, schedule and permitting. He was accountable for addressing all project issues and taking proactive measures ensuring unforeseen conflicts and problems did not impede the project schedule. He interacted with the construction manager, owner and the task force as well as all other involved stakeholders regarding the progress of construction, schedule, budget, quality control, and safety.

**Project:** **B** Sudley Manor Drive Design-Build Project, Prince William County, VA

**Name of Firm:** Lane Construction **With Current Firm:** Yes

**Start Date:** 2006 **Finish Date:** 2009

**Project Role:** Project Manager

**Responsibilities:** Project Manager for this \$26M contract for D-B of roadway improvements. Major project elements consisted of three bridges, replacement of substandard two-lane roadway with a new four-lane divided highway and new multi-use trails. The work completely reconstructed the two-lane secondary road into a four-lane divided highway with turn lanes. It included bridges, highway, geotechnical work, hydraulics, hydrology and erosion control, permitting, utility coordination, project management, construction, and QA/QC. Mr. McDonough was responsible for the project budget and schedule milestones, regular coordination with County staff, allocation of construction resources including manpower and equipment, overseeing subcontractors, coordination and synchronization of work packages, and most importantly, the supervision and enforcement of quality control and safety measures. He worked with the project sponsor's designers providing input to the design for constructability, maintenance of traffic, value engineering concepts and cost. He was also responsible for the overall administration for construction of project and was accountable for addressing all project construction issues and taking proactive measures ensuring issues did not impede the project schedule. He interacted with the construction manager, the owner, and all stakeholders regarding the progress of construction, schedule, budget, quality control, and safety.

**Project:** Interstate 95 Widening Improvements, Stafford/Spotsylvania Counties, VA

**Name of Firm:** Moore Brothers **With Current Firm:** No

**Start Date:** 2004 **Finish Date:** 2006

**Project Role:** Executive Sponsor

**Responsibilities:** Executive Sponsor for \$30M new I-95 interchange with primary road improvements for the new Stafford Airport. Mr. Mr. McDonough facilitated, supported and participated in the formal partnering process of the project to improve project communications, relations, and problem solving. He led the effort for several construction value engineering proposals resulting in financial savings and schedule improvements. He was also responsible for all facets of field management, project supervision oversight and direct supervision of bridge superintendents for the construction of four bridges. He iteracted with senior construction managers, maintained owner relations, negotiated change orders, and was responsible for budget and safety.

**Project:** VDOT I-66 Roadway Widening Project, Prince William County, VA

**Name of Firm:** Moore Brothers **With Current Firm:** No

**Start Date:** 2003 **Finish Date:** 2006

**Project Role:** Executive Sponsor/On-Site Construction Manager

**Responsibilities:** Executive Sponsor and On-Site Construction Manager for all facets related to field management of this major \$37M project. The scope challenge for this project was to reconstruct four miles of a four-lane interstate and four new lanes. The project included highway, geotechnical work, hydraulics, hydrology and erosion control, permitting, utility coordination, project management and construction. He supervised project staffing, provided input to estimating costs and budget review, and made recommendations for means and methods of construction. He aslo facilitated, supported and participated in the formal partnering process of the project to improve project communications, relations and problem solving. He led the effort for several construction value engineering proposals resulting in financial savings and schedule construction. He supervised senior project staff, led negotiations with the Owner, and supervised superintendents and subcontractors for all structure construction including bridges, retaining walls and shoring for support of excavation. He also performed cost estimates, was responsible for the budget, and provided input for the means and methods of construction.

<b>Brief Resume of Key Personnel anticipated for the Project.</b>	
a. Name & Title:	<b>Kenneth J. Shirley, PE, CCM – VA Operations Manager</b>
b. Project Assignment:	<b>Quality Assurance Manager</b>
c. Name of Firm with which you are now associated:	<b>EBA Engineering, Inc.</b>
d. Years experience: With this Firm <u>1</u> Years With Other Firms <u>19</u> Years <i>*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.):</i>	
<b>EBA Engineering, Inc. – Operations Manager</b>	<b>October 2011 – present</b>
Mr. Shirley is responsible for supervising construction engineering and inspection contracts and providing construction engineering/management QA/QC services as needed.	
<b>VDOT Culpeper District – Construction Engineer</b>	<b>February 2006 – October 2011</b>
As Construction Engineer, Mr. Shirley’s responsibilities included managing the District Materials Laboratory and Road and Bridge Contract Administration Program and directly oversaw the QA/QC efforts of materials, inspection, and project documentation.	
<b>VDOT Fredericksburg District – Construction Engineer</b>	<b>August 2005 – February 2006</b>
Mr. Shirley’s responsibilities as Construction Engineer included managing the Road and Bridge Contract Administration Program and directly oversaw QA/QC efforts of materials, inspection, and project documentation.	
<b>VDOT Fredericksburg Residency – Administrator</b>	<b>August 2004 – August 2005</b>
As Administrator, his responsibilities included managing the land use, maintenance and construction program for three counties.	
<b>Carter &amp; Burgess, Inc. – Resident Engineer</b>	<b>May 2002 – August 2004</b>
Resident Engineer for Arkansas Highway and Transportation Department providing direct construction engineering and inspection management of three contracts totaling \$37M. Components included interpreting contract specifications, resolving disputes and notice of intents, reviewing CPM schedules and adhering to QA/QC protocol.	
<b>Texas Department of Transportation – Assistant Area Engineer</b>	<b>July 2001 – May 2002</b>
Mr. Shirley’s responsibilities included managing the design, construction and maintenance programs for \$250M in contracts and one of the largest maintenance section in the State.	
<b>Texas Department of Transportation – Project Engineer/Manager</b>	<b>August 1998 – July 2001</b>
As Project Engineer/Manager, his responsibilities included providing direct construction engineering and inspection management services ensuring QA/QC compliance on projects ranging from \$700K to \$95M.	
e. Education: Name & Location of Institution(s)/Degree(s)/Year/Specialization:	<b>University of Texas at Dallas, TX / MS / 1999 / Management and Administrative Sciences</b> <b>University of Texas at Arlington, TX / BS / 1992 / Civil Engineering</b>
f. Active Registration: Year First Registered/ Discipline/VA Registration #:	<b>2004 / Professional Engineer – Civil / VA #040380</b> <b>2011 / Professional Engineer – Civil / DC #906475</b> <b>2011 / Certified Construction Manager / CMAA #A2102</b> <b>2012 / Construction Quality Management (CQM) Certification</b>

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

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

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

**Project:** Route 631 Meadow Creek Parkway

**Name of Firm:** VDOT – Culpeper District

**With Current Firm:** No

**Start Date:** January 2009

**Finish Date:** October 2011

**Project Role:** Quality Assurance Manager

**Responsibilities:** As the VDOT District Construction Engineer and QAM, Mr. Shirley resolved issues pertaining to access, construction techniques, and construction re-sequencing expediting project delivery and overcoming three months of delays by utility and railroad conflicts (having developed the advertised sequence of construction). He also provided 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 ensuring project contract compliance in preparation for CQIP audit of 91.0%. The project was delivered early and under budget with 100% Environmentally Compliant Reports.

**Project:** Route 229 Widening

**Name of Firm:** VDOT – Culpeper District

**With Current Firm:** No

**Start Date:** March 2009

**Finish Date:** October 2009

**Project Role:** Quality Assurance Manager

**Responsibilities:** Mr. Shirley was the VDOT District Construction Engineer performing duties of a QAM, 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 QA reviews of the project to ensure contract compliance for CQIP audit of 94.5%. The project was delivered early and under budget.

**Project:** Route 7015 Widening

**Name of Firm:** VDOT – Culpeper District

**With Current Firm:** No

**Start Date:** February 2008

**Finish Date:** November 2009

**Project Role:** Quality Assurance Manager

**Responsibilities:** Mr. Shirley was the VDOT District Construction Engineer performing duties of a QAM, where he resolved issues pertaining to access, construction techniques, and construction re-sequencing that expedited project delivery and overcame delays by utility owners. He also provided issue resolution of notice of intents and worked to resolve disputes for this high-profile widening of a primary highway in the retail district of the Town of Culpeper including stormwater detention measures, pedestrian facilities and the scheduling of re-opening prior to the holiday shopping season. Additionally, he implemented advanced QA peer reviews of the project ensuring project contract compliance in preparation for CQIP audit of 93.6%. The project was delivered 13 days early, under budget and 100% environmentally compliant.

**Project:** Route 3 Widening

**Name of Firm:** VDOT – Culpeper District

**With Current Firm:** No

**Start Date:** April 2006

**Finish Date:** December 2007

**Project Role:** Quality Assurance Manager

**Responsibilities:** 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. Performing the duties of QAM, Mr. Shirley implemented weekly, onsite mini-QA reviews of the project ensuring project contract compliance in preparation for CQIP audit of 94.1%.

<b>Brief Resume of Key Personnel anticipated for the Project.</b>	
a. Name & Title:	<b>Owen L. Peery, PE – Director, Transportation</b>
b. Project Assignment:	<b>Design Manager</b>
c. Name of Firm with which you are now associated:	<b>RK&amp;K, LLP</b>
d. Years experience: With this Firm <b>25</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>RK&amp;K, LLP – Director, Transportation</b>	<b>1998 – Present</b>
Mr. Peery leads RK&K's transportation efforts throughout Virginia and has been the project manager and/or lead project engineer for a large number of transportation and civil engineering projects. His responsibilities include management of in-house engineering and administrative staff, client and owner/agency coordination, the direction of design by in-house staff and subconsultant personnel, public interaction including public hearings and workshops, and the management of budgets and schedules. Mr. Peery's specific design experience includes the layout and design of urban and rural interstates, roadways, streets, interchanges, at-grade intersections, civil-site plan coordination and design, drainage and stormwater design, erosion and sediment control quantities, estimates and specifications. His specialized experience is in the design of urban and freeway, interstate facilities and the extensive inter-agency, stakeholder, utility and owner coordination required with urban improvements. He has also been RK&K's Design Manager on Design-Build projects and assisted VDOT preparing Design-Build and P3 contract documents. The majority of his work has been widening and rehabilitation of existing facilities. Mr. Peery has managed approximately 150 VDOT projects or assignments over the past 15 years. Additionally, he was a former member of the Engineering Consultant Leadership Committee (ECLC).	
e. Education: Name & Location of Institution(s)/Degree(s)/Year/Specialization:	<b>Virginia Military Institute – Lexington, VA / BS / 1983 / Civil Engineering</b>
f. Active Registration: Year First Registered/ Discipline/VA Registration #:	<b>2009 / Civil Engineering / Virginia #0402 046882</b>
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. <b>(List at least three (3), but no more than five (5) relevant projects for which you have performed a similar function.</b>	
<b>Project:</b>	<b>Route 58 Widening, Phase II, Washington County, VA</b>
<b>Name of Firm:</b>	<b>RK&amp;K, LLP</b>
<b>Start Date:</b>	<b>August 2008</b>
<b>Project Role:</b>	<b>Design Manager</b>
<b>With Current Firm:</b>	<b>Yes</b>
<b>Finish Date:</b>	<b>October 2012 (Construction)</b>
<b>Responsibilities:</b> Mr. Peery was responsible for the development of final plans for this two-mile, \$21M segment of Route 58. Project provided parallel lanes and reconstruction of existing roadway to turn an existing two-lane roadway into a four-lane divided facility. Mr. Peery led this fast-track design effort which required plans to be ready for PAC in four months. To complete this design, RK&K was tasked with taking a design that had been "shelved" for several years and bringing it up to current standards without impacting the right of way that had been previously purchased. Included in that was a complete overhaul of the previous stormwater management design, redeveloping all alignments in GeoPAK from the previous IGRDS designs and updating design features or developing design exceptions to make the project eligible for federal funding. Mr. Peery led all plan development during design, provided design reviews and participated in construction engineering. Due to the terrain on this project, and the relocation of a major water main as part of the contract, RK&K developed a detailed sequence of construction that would allow large cuts to take place early so that the water main could be relocated.	
<b>Project:</b>	<b>VDOT, Staff Augmentation for Design-Build/P3 Services</b>
<b>Name of Firm:</b>	<b>RK&amp;K, LLP</b>
<b>Start Date:</b>	<b>2008</b>
<b>Project Role:</b>	<b>Design Manager</b>
<b>With Current Firm:</b>	<b>Yes</b>
<b>Finish Date:</b>	<b>2011</b>
<b>Responsibilities:</b> Responsible for overall project (contract) management. RK&K provided professional engineering on projects that were procured and administered in accordance with alternative delivery methods such as Design-Build or P3. These services include but are not limited to: providing complete location survey, supplemental survey, updating existing plans, developing right of way and construction plans, roadway design, hydraulic and drainage design, stormwater management design, traffic engineering and analysis, utility coordination, structure and bridge design, geotechnical and geophysical services, public involvement, constructability reviews, cost estimating, schedules, special provisions, development / preparation of RFQs, RFPs and technical requirements and engineering support in the evaluation of SOQs and EOIs.	

**Project:** VDOT, Route 250 Bypass Interchange at McIntire Road, City of Charlottesville, VA  
**Name of Firm:** RK&K, LLP **With Current Firm:** Yes  
**Start Date:** 2007 **Finish Date:** October 2012 (Design)  
**Project Role:** Design Manager

**Responsibilities:** Design Manager responsible for planning, environmental documentation, preliminary engineering, final engineering, public outreach and coordination between federal, state and local agencies to complete this \$30M project as part of VDOT's Urban Construction Initiative and the largest First Cities project in Virginia. Work has included roadway design, interchange layout and design, bridge design, environmental studies, traffic data collection and analysis, drainage design, stormwater management and hydraulics, and landscape and hardscape design. The initial phase of the project was the preparation of NEPA documentation to secure the appropriate level of environmental documentation for the proposed improvements. This includes performing extensive interchange alternatives analysis to avoid and minimize impacts to 4(f) and Section 106 properties. Mr. Peery, in conjunction with the City's project manager, led a City Council Steering Committee through this process which included the analysis of 14 interchange alternatives. Public outreach was so critical to this process that, under Mr. Peery's direction, RK&K is currently maintaining a project website that contains all project information, is linked to the City and VDOT websites, and is updated nearly real-time to provide information to the community. Mr. Peery led in-house design and constructability reviews and coordinated the development of the contract time determination report and the development of the detailed construction schedule.

**Project:** VDOT, Route 11 Widening (West Main Street), Roanoke County, VA  
**Name of Firm:** RK&K, LLP **With Current Firm:** Yes  
**Start Date:** May 2006 **Finish Date:** October 2013 (Construction)  
**Project Role:** Design Manager

**Responsibilities:** Mr. Peery was responsible for preliminary and final plans for 2.2 miles of Route 11 widening three-lanes to six-lanes with a single span bridge. He is leading design and coordination overseeing all design and subconsultant activities to include all roadway and associated designs on this urban collector. Work includes roadway design, updating plans, hydraulics and drainage design, stormwater management, erosion control, river mechanics and scour, traffic data and analysis, roundabout design, signal design, TMP and MOT plans, quantities, internal QC reviews and estimates.

**Project:** 13<sup>th</sup> Street / Hollins Road Improvements, Roanoke, VA  
**Name of Firm:** RK&K, LLP **With Current Firm:** Yes  
**Start Date:** August 2009 **Finish Date:** August 2013 (Design)  
**Project Role:** Design Manager

**Responsibilities:** Responsible for the development of preliminary and final engineering services for development of complete Right of Way and Construction Plans for the \$39M reconstruction and widening of 13th Street and Hollins Road in the City of Roanoke. The project covers approximately one mile and includes additional travel lanes, bike lanes, raised median, curb and gutter, sidewalks, two roundabouts, intersection improvements, drainage, stormwater management and a new grade separated crossing of Lick Run and the Norfolk Southern Railroad. The design also included extensive constructability design and reviews to ensure that the proposed improvements can be constructed while through traffic is maintained on this important commuter route throughout all phases of construction. As part of this effort, RK&K has developed a detailed Transportation Management Program and Traffic Control / Sequence of Construction plan. RK&K performed all of the traffic analysis and traffic engineering for the project including simulations for the two roundabouts and the Work Zone Traffic Impact Analysis. Mr. Peery was Project Manager for this design throughout design development and oversaw in-house design QC and coordinated sequence of construction reviews.

<b>Brief Resume of Key Personnel anticipated for the Project.</b>	
a. Name & Title:	<b>Robert Cross – General Superintendent</b>
b. Project Assignment:	<b>Construction Manager</b>
c. Name of Firm with which you are now associated:	<b>The Lane Construction Corporation</b>
d. Years experience: With this Firm <u>6</u> Years With Other Firms <u>36</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>The LANE Construction Corporation – General Superintendent 2006 – Present</b> General Superintendent with 35 years of experience in the heavy construction industry. His work experience prior to the I-495 Express (HOT) Lanes project included both roadway and site development and construction. Mr. Cross performs constructability reviews of design drawings, develops and maintains project schedules, coordinates with contractor and subcontractors’ activities, oversees all QC activities on the project site to include both materials used and work performed and makes sure that these meet contract requirements and the “approved for construction” plans and specifications. He has also served as superintendent on projects that have included most of the military bases in the greater Washington metropolitan area and numerous airports between Dulles and Richmond.
	<b>Moore Brothers – General Superintendent 2005 - 2006</b> General Superintendent overseeing projects and employees in heavy construction work primarily in site development and preparation, roadway construction and general construction activities. He supervised all aspects of construction including highway widening, geotechnical work, hydraulics, hydrology and erosion control, permitting, and utility coordination. Additionally, Mr. Cross performed quality control activities ensuring contract requirements were met and that “approved for construction” plans and specifications were met.
	<b>Archer Western Contractors – General Superintendent 2003-2005</b> As General Superintendent, Mr. Cross performed constructability reviews of design drawings, developed and maintained project schedule, and coordinated with contractor and other subcontractors’ activities. He supervised all aspects of construction including QC assessments and measures.
	<b>Shirley Contracting Company, LLC – General Superintendent 1999-2003</b> As General Superintendent, Mr. Cross implemented and enforced corporate safety policy; performed constructability reviews of design drawings, developed and maintained project schedule, coordinated with contractor and other subcontractors’ activities.
	<b>Prince William Construction Company – Superintendent 1998-1999</b> Superintendent, then VP of Operations - As Superintendent, he performed constructability reviews of design drawings; developed and maintained project schedules; coordinated with other subcontractors’ activities. He was promoted to Vice President, which included additional responsibilities such as financial and safety tasks.
e. Education: Name & Location of Institution(s)/Degree(s)/Year/Specialization:	<b>Coursework / Northern Virginia Community College HS / 1972 / Langley High School</b>
f. Active Registration: Year First Registered/ Discipline/VA Registration #:	<b>VDOT Erosion and Sediment Control Contactor Certification (“ESCCC”) * Will hold Virginia Department of Conservation and Recreation (DCR) Responsible Land Disturber (RLD) Certification prior to the commencement of construction.</b>
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.
	<b>(List at least three (3), but no more than five (5) relevant projects for which you have performed a similar function.</b>
<b>Project:</b>	<b>B I-495 Express (HOT) Lanes, Fairfax County, VA</b>
<b>Name of Firm:</b>	<b>LANE Construction With Current Firm: Yes</b>
<b>Start Date:</b>	<b>2009 Finish Date: November 2012</b>
<b>Project Role:</b>	<b>General Superintendent</b>
<b>Responsibilities:</b>	As the General Superintendent on this project, his specific responsibilities included supervising engineering, survey, and QC staff, developing and maintaining the project schedule, tracking and evaluating the project schedule, scheduling subcontractors’ activities and on-site engineering calculations and drawings. LANE was responsible for 50% of the roadway construction and elements of the 495 Interstate widening and improvements as part of this \$1.5 billion PPTA project. This project is the most significant package of improvements to the Capital Beltway in a

generation. Two new lanes were constructed in each direction on the 14-mile stretch of I-495 from the Springfield Interchange to just north of the Dulles Toll Road. The project encompassed the replacement of more than \$260 million of aging infrastructure, including more than 50 bridges and overpasses. Additional construction elements included retaining walls, excavation, storm sewer work, grading, stone placement and paving.

**Project:** 4<sup>th</sup> Runway and Associated Taxiways, Washington Dulles International Airport, VA

**Name of Firm:** LANE Construction

**With Current Firm:** Yes

**Start Date:** 2006

**Finish Date:** 2008

**Project Role:** Superintendent

**Responsibilities:** As Superintendent, Mr. Cross oversaw the project schedule, coordinated and scheduled with all subcontractors and supervised all aspects of construction. This \$47M project constructed the foundation for a new runway and taxiway on a 675-acre site at Washington Dulles International Airport. Construction included installation of erosion and sediment control measures and ground stabilization, tree clearing, clearing and grubbing, demolition of existing structures and fencing, 2.3 million yards of excavation and embankment, 4,700 lineal ft of box culverts, 15,000 lineal ft of security fencing, and staging areas with associated utilities for multiple construction contracts.

**Project:** VDOT I-66 Roadway Widening Project, Prince William County, VA

**Name of Firm:** Moore Brothers

**With Current Firm:** No

**Start Date:** 2005

**Finish Date:** 2006

**Project Role:** Superintendent

**Responsibilities:** Performed as superintendent on the three-mile widening of Interstate 66 from Route 234 business to Route 234 bypass, a critical project in the expansion of I-66 westward and the extension of HOV lanes. He supervised all aspects of construction for this major \$37M project which included highway widening, geotechnical work, hydraulics, hydrology and erosion control, permitting, and utility coordination. In addition, he made recommendations for means and methods of construction. He supervised structure construction to include bridges, retaining walls and shoring for support of excavation.

**Project:** VDOT Springfield Interchange Project, Phases VI & VII, VA

**Name of Firm:** Archer Western Construction

**With Current Firm:** No

**Start Date:** 2003

**Finish Date:** 2005

**Project Role:** Superintendent

**Responsibilities:** As Superintendent, he implemented and enforced corporate safety policies; performed constructability reviews of design drawings; developed and maintained project schedule; coordinated with contractor and other subcontractors' activities. Part of a multi-phased mega project, this complex interchange project (at the convergence of I-95, I-494 and I-395 South of Washington, DC) under some of the heaviest traffic conditions in the country included bridge structures and excavation. Additional work included the widening of ramps and reconstruction of the existing interstate with additional median lanes.

**Project:** VDOT Route 29 Interchange Bridge Project in Culpeper, VA

**Name of Firm:** Prince William Construction Company

**With Current Firm:** No

**Start Date:** 1996

**Finish Date:** 1999

**Project Role:** Superintendent

**Responsibilities:** As Superintendent, he performed constructability reviews of design drawings; developed and maintained project schedule; coordinated subcontractors' activities. Other notable projects with which Mr. Cross was responsible for as Superintendent involved (during the same time period) included the Hanover County Airport project, Prince William County Parkway project from Liberia Avenue to Minnieville Road, and Route 234 Bypass project from Balls Ford Road to Route 28.

<b>Brief Resume of Key Personnel anticipated for the Project.</b>	
a. Name & Title:	<b>Renee Martin – President</b>
b. Project Assignment:	<b>Lead Utility Coordination Manager</b>
c. Name of Firm with which you are now associated:	<b>On-Time Utility Solutions</b>
d. Years experience: With this Firm <u>7</u> Years With Other Firms <u>23</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>On-Time Utility Solutions – President</b>	<b>November 2006 – Present</b>
Project Manager on many utility coordination projects working directly with local government agencies implementing utility relocations in accordance with VDOT’s LAP manual.	
<b>Shirley Contracting – Utility and Right of Way Manager</b>	<b>May 2003 – November 2006</b>
Utility relocations and Right of Way Acquisition impacted by road improvement projects. Representative project work includes Route 28 Corridor Improvement Project (all interchanges) and Loudoun County Parkway and Centreville Road Improvement Projects.	
<b>Washington Gas and Light – Project Engineer</b>	<b>2000 – 2003</b>
Designed and oversaw construction/installation of high pressure transmission system, distribution and relocations for natural gas. Examples of projects include Loudoun County Parkway, Human Geno Science, Route 606 and Waxpool Road.	
<b>Communication Engineering, Inc. – Project Engineer</b>	<b>1998 – 2000</b>
Engineered and designed television broadcast facilities: FOX Houston, FOX Long Island, BET, WETA, Bloomberg and US Customs. Designed video walls, raised floorings, lighting, cabinetry conduit runs, server rooms and oversaw construction and installation.	
e. Education: Name & Location of Institution(s)/Degree(s)/Year/Specialization:	<b>University of Arkansas, Fayetteville, AR / BS / 1988 / Mechanical Engineering Southern Technical College, Hot Springs, AR / AS / 1986 / Computer Aided Drafting</b>
f. Active Registration: Year First Registered/ Discipline/VA Registration #:	
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.	
<b>(List at least three (3), but no more than five (5) relevant projects for which you have performed a similar function.</b>	
<b>Project:</b>	<b>VDOT Gallows Road and Route 29 Improvement Project</b>
<b>Name of Firm:</b>	<b>On-Time Utility Solutions</b> <span style="float: right;"><b>With Current Firm: Yes</b></span>
<b>Start Date:</b>	<b>2008</b> <span style="float: right;"><b>Finish Date: 2010</b></span>
<b>Project Role:</b>	<b>Lead Utility Coordination Manager</b>
<b>Responsibilities:</b> Lead Utility Coordination Manager for utilities and responsible for overseeing the engineering and design for the relocation of all fiber optic communications providers into a common duct bank system with in the project limits. Due to the restricted available spacing, thirteen communication companies were directed to relocate their existing facilities. Some overhead and underground ran parallel and crossed both Gallows Road and Route 29 into a common duct bank system that was designed on behalf of VDOT. At some location in the duct bank system, there are as many as 56 stacked conduits. Complete restoration of sidewalks, roads and other surfaces were requirements by VDOT. Because of the impacts to traffic and commercial residents, MOT and construction scheduling was a must. Ms. Martin worked concurrently with the relocation of the water companies (Fairfax City and County), Dominion Virginia Power and other impacted utilities ensuring the constructability of the multi-duct bank system. Cost: \$2 million.	
<b>Project:</b>	<b>VDOT Route 218 / Route 1 Project, Stafford County, VA</b>
<b>Name of Firm:</b>	<b>On-Time Utility Solutions</b> <span style="float: right;"><b>With Current Firm: Yes</b></span>
<b>Start Date:</b>	<b>2011</b> <span style="float: right;"><b>Finish Date: June 2013 (estimated)</b></span>
<b>Project Role:</b>	<b>Lead Utility Coordination Manager</b>
<b>Responsibilities:</b> As Lead Utility Coordination Manager on behalf of Cox Communication, Verizon and Mary	

Washington Hospital, Ms. Martin's responsibilities included the utility design, coordination and relocation of Verizon, Cox and MWH fiber systems and overhead facilities in conflict with the proposed VDOT Roadway Improvement project. Over the course of a year the relocation design consisted of a common duct bank system shared by Cox, Verizon, Dominion and Mary Washington Hospital. VDOT purchased a common shared utility easement and coordination of a single contractor to complete the installation of duct bank systems.

**Project:** VDOT Route 7 Traffic Flow Improvement Project  
**Name of Firm:** On-Time Utility Solutions **With Current Firm:** Yes  
**Start Date:** 2012 **Finish Date:** November 2013 (estimated)  
**Project Role:** Lead Utility Coordination Manager

**Responsibilities:** As Lead Utility Coordination Manager, Ms. Martin implemented the utility design, coordination and relocation of Verizon, MCI, Dominion, Loudoun Water, AT&T, Washington Gas and Comcast systems in conflict with the proposed roadway improvements. She worked on behalf of the general contractor, and worked directly with the GC, County agents and their engineering staff to implement the most cost-efficient relocation plan suitable for all parties. Due to an aggressive construction schedule and the awarding of the project prior to any utility meetings, VDOT protocols and standards were implemented at the UFI meeting and utility relocation designs were completed during construction. OUS was able to avoid a potential fiber concrete incased duct bank system relocate by adjusting storm and verifying grade clearances. Through test holes and field value engineering they were also able to save cost and time to the project.

**Project:** Loudoun County Parkway and Route 7 Interchange Project, Loudoun County, VA  
**Name of Firm:** On-Time Utility Solutions **With Current Firm:** Yes  
**Start Date:** 2008 **Finish Date:** 2009  
**Project Role:** Lead Utility Coordination Manager for MCI and Woodlawn Construction

**Responsibilities:** Lead Utility Coordinator Manager of the utility design, coordination and relocation of Verizon, MCI, Woodlawn, Qwest and Cavalier fiber systems in conflict with the proposed interchange project. Working on behalf of the carriers, Ms. Martin worked directly with the County agents and their engineering staff to implement the most cost efficient relocation plan suitable for all parties. Because of time constraints a temporary relocation of the existing poles was designed to allow for the start of construction for the interchange. After six months of meetings and negotiations, the relocation plan was completed for all the carriers by putting them in a common duct bank system on private property in a 30' utility easement shared by all the carriers. Construction of the duct bank was assigned to Woodlawn, a certified installer for all the carriers including Dominion Virginia Power.

**Project:** Waxpool Road Improvement Project  
**Name of Firm:** On-Time Utility Solutions **With Current Firm:** Yes  
**Start Date:** 2007 **Finish Date:** 2009  
**Project Role:** Lead Utility Coordination Manager

**Responsibilities:** Lead Utility Coordinator Manager. Tasks included the generation of an estimated budget for the relocation of the existing utilities and to design the relocation in accordance with VDOT, the County and utility requirements making sure all utility design would coincide with all roadway designs. Once establishing all necessary easements, Ms. Martin worked directly with the County to acquire the easements by researching proffer statements, meeting with landowners during the negotiation process and execution of all documentation. During construction the facilitation of the utilities and construction start dates is always a challenge, but with aggressive time lines, overseeing this process allowed for an early completion in 2009. The original estimated budget was \$1.2M with a cost savings to the project of 40%.

<b>Brief Resume of Key Personnel anticipated for the Project.</b>	
a. Name & Title:	<b>Emmett L. Thompson – Senior Right of Way Agent</b>
b. Project Assignment:	<b>Right of Way Manager</b>
c. Name of Firm with which you are now associated:	<b>Rinker Design Associates, P. C.</b>
d. Years experience: With this Firm <u>1.5</u> Years With Other Firms <u>32</u> Years <i>*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.):</i>	
<p><b>Rinker Design Associates, PC – Senior Right of Way Agent</b> <span style="float: right;"><b>September 2011 – Present</b></span></p> <p>Responsible for allocating, overseeing and managing all right of way acquisition services in the Fredericksburg Office and Manassas Offices. Duties include QA/QC for services provided by the Fredericksburg and Manassas Right of Way Staff, coordination with clients to ensure client satisfaction and product quality. Responsible for staffing all right of way acquisition projects conducted by the Fredericksburg and Manassas offices, negotiating contracts with sub-consultants, and project scheduling and management to ensure on-time/on-budget performance. Actively recruit, interview and present employment recommendations for prospective Right of Way Agents and Trainees. Develop a training program for new hires and trainees.</p> <p><b>Spotsylvania County – Land Acquisition Consultant</b> <span style="float: right;"><b>2008 – September 2011</b></span></p> <p>After nearly three decades as the Assistant Right of Way Manager for the VDOT Fredericksburg District, Mr. Thompson joined Spotsylvania County to provide easement acquisition services to the Utilities Department. Duties included determining landowner compensation, preparing compensation agreements and right of entry documents to be utilized in the acquisition of water and sewer easements from all classifications of property ownership.</p>	
e. Education: Name & Location of Institution(s)/Degree(s)/Year/Specialization:	<b>University of Richmond/BS in Business Administration/1965/Majored in Management</b>
f. Active Registration: Year First Registered/ Discipline/VA Registration #:	N/A
<p>g. Document the extent and depth of your experience and qualifications relevant to the Project.</p> <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> <p><b>(List at least three (3), but no more than five (5) relevant projects for which you have performed a similar function.</b></p> <p><b>Project:</b> <b>B</b> <b>Middle Ground Boulevard Extension</b></p> <p><b>Name of Firm:</b> <b>Rinker Design Associates, P. C.</b> <span style="float: right;"><b>With Current Firm: Yes</b></span></p> <p><b>Start Date:</b> <b>September 2011</b> <span style="float: right;"><b>Finish Date: May 2013 (estimated)</b></span></p> <p><b>Project Role:</b> <b>Right of Way Manager</b></p> <p><b>Responsibilities:</b> Right of Way Manager responsible for ROW acquisition. His duties and responsibilities include preparation of negotiation packages, meeting with property owners to make offer and explain the ROW acquisition to include roadway design, property valuation and impact on remainder property roadway. He was also responsible for quality control, record keeping and reporting completion of negotiations to VDOT.</p> <p><b>Project:</b> <b>Mountain View Road</b></p> <p><b>Name of Firm:</b> <b>Rinker Design Associates, P. C.</b> <span style="float: right;"><b>With Current Firm: Yes</b></span></p> <p><b>Start Date:</b> <b>October 2011</b> <span style="float: right;"><b>Finish Date: August 2013 (estimated)</b></span></p> <p><b>Project Role:</b> <b>Right of Way Manager</b></p> <p><b>Responsibilities:</b> Right of Way Project Manager responsible for ROW acquisition. Duties and responsibilities included negotiation staff assignments, BAR preparation, preparation of negotiation packages, actual negotiation with landowners and reporting negotiation completions to Stafford County Transportation Dept. Represented RDA in bi-weekly progress meetings with client to discuss project status and negotiation problem resolutions. Responsible for determining specifications, acquiring and recommending to client bids for relocation of historical post office building.</p> <p><b>Project:</b> <b>Tripoli Boulevard Drainage Improvements</b></p> <p><b>Name of Firm:</b> <b>Rinker Design Associates, PC</b> <span style="float: right;"><b>With Current Firm: Yes</b></span></p> <p><b>Start Date:</b> <b>March 2012</b> <span style="float: right;"><b>Finish Date: March 2013 (estimated)</b></span></p> <p><b>Project Role:</b> <b>Right of Way Manager</b></p> <p><b>Responsibilities:</b> Right of Way Project Manager responsible for all ROW acquisition from approximately 38 properties. Duties included BAR preparation for projects, staffing assignments, conducting ROW acquisition, meetings with Town officials, problem resolution recommendation to client and QA/QC for reporting negotiation activities.</p>	



## **Attachment 3.4.1(a)**

# ***Lead Contractor Work History Forms***

**LANE**

**RK&K**

**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	
<b>ROUTE 234 WIDENING</b> PRINCE WILLIAM COUNTY, VA	Parsons Brinkerhoff	<b>VDOT</b> Helen Cuervo, Acting NOVA District Administrator 703. 259.2345 Project Manager: Ken Connors, P.E. 540.829.7510 Ken.Connors@vdot.virginia.gov	March 2005	March 2007	\$20,736	\$21,614	\$21,614

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

**PROJECT SCOPE**

Reconstruct existing Route 234 from a 2 lane to a 4 lane primary route with turn lanes and traffic light controlled intersections.

**Relevant Scope of Work**

- Drainage
- Grading
- Excavation
- MOT
- Utilities Relocation

**PROJECT DESCRIPTION**

Lane completely reconstructed approximately 2.3 miles of existing Route 234 providing a 4 lane divided highway, with turn lanes and signal controlled intersections. Existing Route 234 was a 2 lane highway connecting I-95 at Dumfries, Va. to I-66 at Manassas, Va. The project required expanding the existing right of way to accommodate the new 4 lane alignment, construction of 2 new lanes that eventually made up the ultimate southbound lanes and then reconstruct the existing 2 lanes to become the new northbound lanes. The project required a significant amount of Maintenance of Traffic due to requirements to interface the new construction with the old, accommodating new turn lanes, entrances to new and existing properties and traffic switches to facilitate the new construction. The project work activities included earthwork activities – excavation and borrow, storm drain culverts and pipe with inlet structures, storm water management ponds, waterline relocation, sanitary sewer relocation, soil stabilization, cement treated aggregate base, three layers of asphalt pavement, traffic signals etc. Lane was the prime contractor, self-performed approximately 70% of the work, managed all subcontractors and suppliers, coordinated the construction schedule with the adjacent construction projects and interfaced with VDOT on all contractual issues.

**PROJECT BACKGROUND**

Route 234 was a rural arterial roadway with one lane, undivided, in each direction. Congestion and heavy traffic volumes on I-66 and I-95 led commuters to use Route 234 as an alternate. Significant residential and commercial development along the corridor added to the gridlock. The 2-lane road was never intended to handle the high traffic volume, there were also numerous traffic accidents due to out of date roadway features. As part of its comprehensive transportation plan, VDOT officials decided to reconstruct Route 234 to make it a safer and more efficient roadway making it part of a new by-pass around the City of Manassas. The project was the final leg to complete the new Route 234 corridor connecting I-95 to I-66.

**PROJECT BENEFITS**

- Improved safety for commuters
- Reduced traffic congestion with wider shoulders and the addition of one lane in each direction
- Improved traffic flow with increased speed limits
- Lessened commuter travel times

**Proposed Personnel for this Project**

- Richard McDonough
- Wayne Lindsey

**Evidence of Performance**

This project received the *Environmental Compliance Distinction* award (April 2006) and the *100,000 Man-hours Worked Injury Free* award (June 2006)



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	
<b>B</b> ROUTE 50 TRAFFIC CALMING IMPROVEMENTS – GILBERTS CORNER ROUNDABOUTS LOUDOUN COUNTY, VA	VHB	<b>VDOT</b> 703.259.2345 Helen Cuervo, Acting NOVA District Administrator 703.259.2345 Helen.Cuervo@vdot.virginia.gov	December 2009	December 2009	\$13,200	\$13,026	\$13,026

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.

**Relevant Scope of Work**

- Design-Build
- Drainage
- Grading
- Phased Construction
- Extensive MOT
- High Level of Public Involvement

**PROJECT SCOPE**

Construction of four roundabouts and a connector road.

**PROJECT DESCRIPTION**

Lane constructed four roundabouts and a connector road with minimal traffic disruption. Maintenance-of-Traffic (MOT) was also a constant challenge due to high volumes of commercial, commuter and tourist traffic on this 2-lane rural roadway, which is part of the Virginia Scenic Byway. Since the majority of the construction was performed along the existing roadway, the project was broken into a ten-phased sequence with multiple traffic switches. Drainage was a continual challenge and accommodated through roundabout design—the design drains to the center of the roundabouts. Historic and environmentally sensitive challenges posed

**Proposed Personnel for this Project:**

- Richard McDonough



serious and daily constraints, including the preservation of the Mount Zion Church (an important landmark through the Civil War), and President James Monroe's home (Oak Hill plantation).

Additionally, this project sought to both actively engage and inform the public to this creative traffic calming solution. There were many challenges including right-of-way (ROW) acquisition, utility relocations, and construction management challenges due to the accelerated project schedule. (ROW entailed the acquisition of 11 parcels prior to utility relocation and construction).

**PROJECT BACKGROUND**

VDOT selected the Lane D-B Team to design and build the 1.2-mile Gilberts Corner section of Route 50 in Loudoun County, VA, in an effort to improve safety and traffic flow, and preserve this scenic and historic area. This project's goal was to protect the natural and historic section of the Virginia Piedmont, known as the Mosby Heritage Area, while facilitating commuter travel without simply widening the roadway to four lanes and adding a light at every intersection. The most sensible and cost effective transportation solution was the design and construction of four roundabouts and a new connector road. The utilization of roundabouts was relatively new to Virginia.

**PROJECT BENEFITS**

The new roundabouts offer traffic calming and an unexpected benefit of faster travel and congestion relief for motorists in the Northern Virginia region. Benefits to drivers and the business community also includes less stop-and-go traffic and the accomplishment of traffic calming.

**Evidence of Performance**

Project was delivered ahead of schedule and under budget.  
 "The project received several awards and much acclaim from local and national media, citizens and elected officials. VDOT's goals and objectives were all met or exceeded by the Lane Team."

~Kenny Lee Robinson, VDOT Project Manager (retired)

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	
<b>B</b> SUDLEY MANOR DRIVE AND LINTON HALL ROAD PPTA PRINCE WILLIAM COUNTY, VA	CH2M HILL	<b>Prince William County</b> Tom Blaser, Director of Transportation 703.792.6825 Project Manager: Brian Stieritz (CH2M Hill) 720.286.2332 Brian.Stieritz@ch2m.com	June 2005	September 2005	\$25,395	\$25,395	\$8,606

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.

#### Relevant Scope of Work

- Design-Build
- Earthwork
- Drainage
- Grading
- Excavation
- MOT
- Utilities

#### PROJECT SCOPE

Construction of two new secondary roads

#### PROJECT DESCRIPTION

The Sudley Manor Drive portion of the work consisted of two miles of new road construction tying two separate pieces of Sudley Manor Drive together to complete the cross county parkway style road. Design issues that needed special consideration included the completion of a single span steel girder bridge over the existing Norfolk Southern Railroad tracks, four mechanically stabilized earth retaining walls, several large fuel pipelines, the construction and access requirements of a new firehouse, several site developments, floodplain analysis and environmental considerations related to major stream crossings and traffic analysis and design. The project team also worked closely with VDOT to ensure a seamless transition between this project and the adjoining Linton Hall Road project.

The Linton Hall Road portion of the contract consisted of 4,000 feet of new road construction that relocated the existing road, while providing a wider road. Coordination of the roadway and drainage design with existing utilities and proposed sound barriers were crucial to keeping the project on time and on budget.

The project was started with approximately half of the land acquired to complete the work. Lane adjusted its schedule to conquer these hindrances and bring the project in on time. Part of the road was opened two weeks prior to the contracted completion date.

#### PROJECT BACKGROUND

Lane was subcontracted to perform mass earthwork, fine grade subgrade, subbase stone, storm drain, water and sanitary sewer, and underdrain, for the relocation of two new secondary roads: Linton Hall Road and Sudley Manor Drive.

#### PROJECT BENEFITS

The new roads offer the benefits of faster travel and congestion relief for motorists in the northern Virginia region.

#### Proposed Personnel for this Project:

- Richard McDonough
- Wayne Lindsey
- David Holmes

#### Evidence of Performance

Part of the road was opened two weeks prior to the contracted completion date.





## **Attachment 3.4.1(b)**

# ***Lead Designer Work History Forms***

**LANE**

**RK&K**

**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)	
<b>B</b> I-4744: I-40 Widening & Signing Wake County, NC	S.T. Wooten	<b>North Carolina Dept. of Transportation</b> 919.707.6601 Rodger Rochelle, PE 919.707.6601 rdrochelle@dot.state.nc.us	June 2011	June 2011	\$49,000	\$49,000	\$3,900

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.

**Relevant Scope of Work**

- Design Management
- Roadway Design
- Bridge Design
- Traffic Control & Pavement Marking
- Hydraulic & Erosion Control Design
- Noise Analysis & Sound Barrier Design
- Utility Coordination/Utility Design
- Environmental Permitting/Coordination
- ITS Conduit Routing

**PROJECT SCOPE**

RK&K's Raleigh office served as the Lead Designer for the entire project with assistance from RK&K's Richmond office.

**PROJECT DESCRIPTION**

The 6.4 miles of I-40, from west of Wade Avenue to east of Jones Franklin Road is a critical commuter freeway with traffic volumes that exceed 130,000 per day and was the source of rush hours that lasted for hours. Contracted by the North Carolina Department of Transportation to reduce congestion and improve traffic flow, the RK&K Design-Build team widened the existing four-lane divided roadway to a six-lane divided facility. The project also included widening dual bridges over US 1/US 64 and dual bridges over eastbound Wade Avenue. With innovation and an aggressive design and construction schedule, the project approach circumvented complex traffic issues and was successfully completed nearly a full year ahead of schedule.

**Highway/Roadway Design:** I-40, known as the Triangle's "Main Street," is also a critical freeway. Traffic volumes exceeded 130,000 per day, which is far above the capacity of a freeway in this area, and led to an evening rush hour that could last for three hours eastbound.

This rolling urban freeway with a 70-mph design speed included the following roadway improvements: the design of one 12-foot wide lane in each direction of I-40 expanding the interstate from four to six lanes; a 12-foot wide paved shoulder was added in each direction, built to the same depth as the roadway, which allows for easier expansion of the highway in the future; median guardrail was installed throughout the project and guardrail was replaced on the outside shoulders; at the eastbound I-



40/Wade Avenue split, the roadway was expanded to provide three lanes for I-40 from the current two lanes.

**Pavement Markings and Signing:** As a heavily traveled urban facility, special attention was focused on signing and pavement markings.

**Intelligent Traffic Systems:** Responsible for the design of ITS communications cable routing plans, CCTV cameras, and ITS.

**Bridge Design:** Structural Engineering: Structures were designed for the bridge widening at Wade Avenue and US 1 / 64, as well as two sound barrier walls.

**Utilities:** Responsible for the identification of conflicting utilities, coordination of Level "A" S.U.E. data and management of utility coordination efforts. Utility design included the design and permitting of water services for the construction office and asphalt plant facilities.

**Similar Scope and Complexity:**

- Widening of existing roadway
- Design-Build Delivery
- Complex Traffic Issues
- Public Involvement
- Utility Coordination

**Proposed Personnel for this Project:**

- Tommy Peacock, PE
- Sheila Reeves, PE

**Lessons Learned:**

1. When widening to the median, using alternate methods for delivering materials to the median reduces exposure to traffic and reduces construction time.
2. Close coordination with subconsultants and the Contractors is vital to a successful design-build project.
3. Using staged submittals of design plans (structure, traffic controls, erosion control, etc.) allowed work to begin much earlier than following the typical process. The process works especially well for median widening because right of way and permits are minimal.
4. Additional traffic studies are valuable to show additional hauling during the day will not impact the traveling public. Also, the additional hauling during the day helped reduce the construction time.

**Evidence of Performance**

\*RK&K received an impressive technical score of 93% during the design-build selection process demonstrating the team had the experience and qualifications necessary to provide cost-effective and innovation solutions

**\*\*\*AWARDS\*\*\***

- ACEC/NC Engineering Excellence Award
- 2011 AGC Pinnacle Award for Best Highway Project in the Carolinas
- 2010 NAPA Safety Innovation Award

*"I commend the entire Design-Build Team for completing this project quickly, safely, and cost-effectively. The Design-Build Team's efforts exceeded NCDOT's expectations in innovation during both design and construction. Despite the numerous and complicated traffic control, schedule, subgrade, and public information challenged of this project, the S.T. Wooten/RK&K total 'team approach' and responsiveness to the NCDOT contributed to one of North Carolina's finest transportation achievements." ~NCDOT*

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)	
<b>ROUTE 250 BYPASS INTERCHANGE AT MCINTIRE ROAD</b> Charlottesville, VA	General Excavation Inc.	<b>City of Charlottesville</b> 434.970.3182 Angela Tucker 434.970.3182 tuckera@charlottesville.org	June 2015	December 2014 (estimated)	\$20,377	\$20,000 (estimated)	\$5,900

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.

<p><b>Relevant Scope of Work</b></p> <ul style="list-style-type: none"> <li>Roadway</li> <li>Survey</li> <li>Structures</li> <li>Structure Demolition</li> <li>Environmental</li> <li>Geotechnical</li> <li>Hydraulics</li> <li>Traffic Control Devices</li> <li>Transportation Management Plan</li> <li>Right-of-Way</li> <li>Utility Relocations and Coordination</li> <li>Public Involvement/Relations</li> <li>Quality Assurance</li> <li>Quality Control</li> <li>Intelligent Transportation Systems</li> <li>Construction Engineering &amp; Inspection</li> <li>Project Mangement</li> </ul>	<p><b>PROJECT SCOPE</b></p> <p>This project is one of the largest undertaken to date as part of the Virginia Department of Transportation (VDOT) First Cities Initiative. As the prime consultant, RK&amp;K is providing complete planning engineering and construction management services for planning and design of a new interchange on the Route 250 Bypass at the intersection with McIntire Road.</p> <p><b>PROJECT DESCRIPTION</b></p> <p>This project is being developed in three phases – Phase I services include development of Conceptual Alternatives, Detailed Alternatives and eventually a Preferred Alternative through Public Hearing and completion of the Environmental Document. Phase II services include final design and assisting the City with bidding and procurement of the project. Phase III services consist of construction management and inspection as well as construction engineering. Project elements include environmental/NEPA documentation, Public Involvement, Traffic Data Collection and Analysis, Roadway Design, Structural Design, Traffic Engineering Design, Hydraulic and Hydrologic Analysis and Design, Graphics/Computer Renderings and Utility Design. Under the First Cities Initiative, all work is performed for the City of Charlottesville and closely coordinated with VDOT and the Federal Highway Administration (FHWA).</p> <p>The project location is centered on the existing intersection of the Route 250 Bypass and McIntire Road and will connect with the southern end of the proposed McIntire Road Extension being designed by VDOT. The proposed location for this gateway interchange is in a highly sensitive area with portions of the proposed interchange falling within McIntire Park and adjacent to residential neighborhoods, a private school and the Charlottesville Albemarle County Rescue Squad. A key element in the development of the interchange concepts has been the incorporation of context sensitive solutions to provide a parkway like setting that compliments and enhances public access to McIntire Park.</p> <p>In response to the need for context-sensitive solutions to the safety, congestion and connectivity issues at this location, several of the interchange concepts that were developed incorporated modern roundabouts instead of traffic signals at the ramp termini along McIntire Road. RK&amp;K performed traffic engineering analyses using SIDRA based on projected 2030 design year traffic volumes as well as several interim years to determine the most appropriate configuration for the roundabouts, considering the number of approach and circulating lanes, the location of separate right turn bypass lanes, and the need for lane continuity through the interchange to reduce potential driver confusion. The operational models recommended in Chapter 6 and Appendix M of NCHRP Report 572 “Roundabouts in the United States” were also used to verify the accuracy of the SIDRA results.</p> <p>In total, RK&amp;K evaluated 10 roundabout interchanges in addition to three interchange alternatives with signalized ramp termini. Five alternatives included partial cloverleaf designs with two dual lane roundabouts; two alternatives involved diamond roundabout interchanges with two dual lane roundabouts, and three alternatives involved diamond roundabout interchanges with a single dual lane roundabout. The conceptual layout and a rendering of the preferred interchange <b>is shown on this page.</b></p> <p><b>Successful Delivery:</b> This project demonstrates a very successful planning, coordination and public outreach effort to deliver the project in the face of highly motivated opponents.</p> <p><b>Similar Scope and Complexity:</b> This project has numerous stakeholders and a steering committee that required extensive coordination. Additionally, as with Route 3, there were a number of historic properties impacted by the project. A MOA with required stipulations, and state and federal permitting, was required.</p> <p><b>Lessons Learned:</b> This project is being administered by the City of Charlottesville with oversight by VDOT and FHWA. In addition, there has been intense interest by the community including local neighborhood associations, non-profit organizations, a private school and numerous civic groups. In order to facilitate development of this context-sensitive project, RK&amp;K adopted an aggressive public involvement approach which included a project web site (www.250interchange.org), over a dozen workshops with an 18 member steering committee, regular updates to City Council, neighborhood meetings, public workshops and coordination with local, state and federal oversight agencies. Without this pro-active approach, this project would not have advanced to the construction stage.</p>	
<p><b>Proposed Personnel for this Project:</b></p> <ul style="list-style-type: none"> <li>Owen Peery, PE</li> <li>Ryan Masters, PE</li> <li>Mike Hogan, PE</li> <li>Rich Clifton, PE</li> <li>Kevin Hughes</li> <li>Paul Wettlaufer</li> <li>Sarah Huddle (PA)</li> </ul>	<p><b>Evidence of Performance</b></p> <p>The success of this project is due to the inclusion of all stakeholders in the development of the project with a dedication to coordinate “early and often” with local, state and federal agencies. This approach allowed our team to identify potential roadblocks early-on where they could be addressed before they impacted the schedule.</p>	

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)	
<b>ROUTE 58 PHASE II WIDENING,</b> Washington County, VA	DLB Inc.	<b>VA Department of Transportation</b> 276.669.9910 Dennis Harris, PE 276.669.9910 Dennis.Harris@VDOT.Virginia.gov	August 2012	October 2012 (Actual)	\$20,095	\$21,410	\$291

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.

**PROJECT SCOPE**

RK&K provided final plans to VDOT. RK&K's Richmond Virginia staff was responsible for the following:

- Relevant Scope of Work**
- Roadway
  - Hydraulics
  - Stormwater Management
  - TMP (SOC)
  - Signing
  - Pavement and Marking
  - Quality Assurance
  - Quality Control
  - Project Management

**PROJECT SCOPE**

This two-mile section of Route 58 begins at Route 667 and ends at Route 638. The project widened and provided parallel lanes adjacent to the existing two-lane road to a four-lane divided facility, matching previous work to the west. Design work included major drainage and stormwater management designed to the latest standards, extensive coordination with utility relocations and two new structures over the Middle Fork of the Holston River. This rural principal arterial was designed with a 55 mph design speed and includes a graded median along with left and right turn lanes at intersecting roadways.

**PROJECT DESCRIPTION**

RK&K developed the traffic control plan to encompass the proposed road improvements along with the bridges and utility relocations. The new alignment was selected to ensure that one new bridge could be constructed while maintaining the existing road and bridge. Many of the utility relocations could not be completed until the large cut slopes were in place. The roadway, drainage, bridge and retaining wall elements were carefully evaluated to determine which elements impacted existing utilities. RK&K provided VDOT with a comprehensive TMP that included phased sequencing of the construction while accommodating utility coordination, earthwork operations, maintenance of traffic.

**Similar Scope and Complexity:**

- Roadway widening from two lanes to four-lanes divided
- TMP with phased E&S
- Maintain connections to roadways, driveways and entrances
- Extensive coordination with utility relocations

**Proposed Personnel for this Project:**

- Owen Peery, PE
- Ryan Masters, PE
- Mike Hogan, PE

**Lessons Learned:**

- Deep cuts required phasing proposed utility relocations to coincide with earthwork operations
- Ensure sight distance and design speed of cross-overs during maintenance of traffic
- Existing farm entrances may require permanent and temporary accommodations for oversized vehicles

**Evidence of Performance**

RK&K took this project, which had been "shelved" for a number of years, and upgraded all design elements to current standards and had the project ready for PAC in four months to meet VDOT's desired advertisement schedule.

