

# I-581/Valley View Interchange Phase II D-B







## MID-ATLANTIC REGIONAL OFFICE

14500 Avion Parkway  
Suite 200  
Chantilly, VA 20151  
703-222-5670  
703-222-5960 Fax  
[LaneConstruct.com](http://LaneConstruct.com)

December 9, 2011

Mr. Joseph A. Clarke, PE  
Alternate Project Delivery Office  
Virginia Department of Transportation  
1221 East Broad Street  
Main Building, Fourth Floor  
Richmond, Virginia 23219

RE: **I-581 / Valley View Interchange Phase II**  
State Project No. 0581-128-109, P101, RW201, C501, B627  
Federal Project No.: NH-581-5(035)  
Contract ID Number: C00016595DB45

Dear Mr. Clarke:

The Lane Construction Corporation (Lane) is pleased to submit this Letter of Submittal (**Section 3.2**) for the above referenced design-build project with the Virginia Department of Transportation (VDOT). Lane has successfully participated in 50 Design-Build projects ranging in scope from \$15 million to the \$1.5 billion Capital Beltway HOT Lanes project in Northern Virginia. We understand the importance of partnering to make the Design-Build process a success and have partnered on teams that have constructed more than \$2.8 billion in Design-Build projects in the last decade. Our team's experience enables us to deliver the kind of high quality and technically sound project VDOT has come to expect from each of our team members.

Lane is the Offeror and will be the overall authority on the project as well as the Lead Contractor. Lane has teamed with STV Incorporated dba STV/Ralph Whitehead Associates (STV), Lead Design Consultant, to provide VDOT a team with a solid reputation for completing complex projects on time and often ahead of schedule. NXL Construction Services, Inc. (NXL) will lead the construction Quality Assurance (QA) effort and will be responsible for the independent QA inspection and testing of all materials used on the Project. The LANE/STV Team is committed to providing experienced personnel familiar with VDOT's requirements and will meet or exceed the quality and schedule demands of the Project. To this end, the LANE/STV Team additionally includes specialty firms to provide services in areas of geotechnical engineering, environmental compliance, utilities, and right-of-way. These specialists and their qualifications are identified and described in Section 3.3; the experience of the team is described in Section 3.4.

The Lane Construction Corporation 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, and mass transit and airport systems in 20 states. In its 121-year history, Lane has never failed to complete a contract. Lane has successfully completed projects for federal, state, regional and local agencies in the Commonwealth of Virginia for nearly 40 years.

#### LANE National Rankings

- 4th on the Top Highway Contractors in the U.S
- 8th on the Transportation Top 20 in the U.S.
- 8th among Top 50 Domestic Heavy Contractors in the U.S.

- *Engineering News Record, 2011*

**3.2.1. Offeror's Point of Contact: Richard A. McDonough** is the official representative and point of contact for the LANE/STV Team for all matters associated with this qualifications submittal. His contact information is as follows:

Richard A. McDonough  
 District Manager, Design-Build Project Manager  
 The Lane Construction Corporation  
 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)

**3.2.2. Offeror's Principal Officer: Joseph P. Lark** is a principal officer of The Lane Construction Corporation and the legal entity with whom a design-build contract with VDOT will be written. His contact information is as follows:

Joseph P. Lark  
 Regional Vice President, Mid-Atlantic Region  
 The Lane Construction Corporation  
 14500 Avion Parkway, Suite 200  
 Chantilly, VA 20151  
 Tel: (703) 222-5670  
 Fax: (703) 222-5960  
 Email: [JPLark@laneconstruct.com](mailto:JPLark@laneconstruct.com)

**3.2.3. Offeror Structure:** The Lane Construction Corporation, Offeror, founded in 1890, is structured as a **corporation** and was incorporated in the State of Connecticut on April 5, 1902. Lane will solely be responsible for this financial undertaking. As the lead contractor, Lane will be responsible for administering the contract, providing the bond, scheduling, quality control, supervising construction, the safety program, maintenance of traffic (MOT), and coordination of all subcontractors and trades. STV will be under a subcontract with Lane for all design efforts pertaining to this project, including MOT. The additional subconsultants and/or specialty consultants, required by STV in its design efforts, will be under a direct subcontract to STV. NXL Construction, Inc., providing the Quality Assurance Manager and support, will also be under direct contract to Lane.

Neither The Lane Construction Corporation, nor its parent, Lane Industries Incorporated, or any of its subsidiaries have contingent liabilities, financial commitments, or performance commitments that will put limitations on LANE's financial exposure for this project.

**3.2.4. Parent, Affiliated, Subsidiaries and/or Subsidiary Companies:** The Lane Construction Corporation has no affiliated companies. The names and addresses of our **subsidiary companies** are:

**Virginia Paving Company Division**

*Main Office:* 14500 Avion Parkway,  
Suite 200, Chantilly, VA 20151  
Phone: (703) 230-0850

**Lane Carolinas Corporation**

90 Fieldstone Court, Cheshire, CT 06410  
Phone: (203) 235-3351

**§ Rea Contracting, LLC**

*Main Office:* 6135 Park South Drive,  
Suite 400, Charlotte, NC 28210  
Phone: (704) 553-6500

**§ Prestress of the Carolinas, LLC**

11630 Texland Boulevard  
Charlotte, NC 28273  
Phone: (704) 587-4273

**Virginia Sign and Lighting Company Division**

*Main Office:* 14500 Avion Parkway,  
Suite 200, Chantilly, VA 20151  
Phone: (703) 686-9090

**Senate Asphalt Division**

*Main Office:* 6216 Oxon Hill Road  
Oxon Hill, MD 20745  
Phone: (301) 686-9090

**Cold River Materials Division**

*Main Office:* 1 Scale Lane  
Walpole, NH 03608  
Phone: (603) 445-2300

**Sunrise Materials Division**

*Main Office:* 61 Margin Street  
Orono, ME 04473  
Phone: (207) 866-2194

**Sunquip Division**

*Main Office:* 1065 Odlin Road  
Hermon, ME 04401  
Phone: (207) 942-7700

**Wardwell Contracting Division**

*Main Office:* 14 Earth Plaza  
Orland, ME 04472  
Phone: (207) 469-3872

**3.2.5. Certification(s) Regarding Debarment:** Certifications for Debarment for both Primary Covered Transactions and Lower Tier Covered Transactions have been completed and executed for the Offeror and all subconsultants, subcontractors, and other entities as identified as members of the LANE/STV Team. These may be found in the Appendix.

**3.2.6. Offeror's VDOT Pre-Qualification Certificate:** Evidence from VDOT's on-line Prequalified List may be found in the Appendix demonstrating that The Lane Construction Corporation is prequalified for this SOQ's submission.

**3.2.7. Surety Letter:** 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.

**3.2.8. Organizational Structure of Firms and Registrations/Licensures:** The following table delineates the required respective state registrations and licensures of the LANE/STV Team. The Offeror and all team members are eligible at the time of this 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.

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L002  
THE LANE CONSTRUCTION CORPORATION  
EMPLOYER ID: 06-0421150  
PREQ. EXP : 06/30/2012

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--PREQ ADDRESS -----      -- WORK CLASSES -----  
90 FIELDSTONE COURT            002 - GRADING  
CHESHIRE, CT 06410-1212       003 - MAJOR STRUCTURES  
PHONE : 203-235-3351           004 - BITUMINOUS CONCRETE PAVING  
FAX : 203-686-0696            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  
DBE/WBE EXP: N/A  
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Faint table with multiple columns and rows, likely a list of vendors or project details. The text is mostly illegible due to low contrast and blurring.

December 9, 2011

Virginia Department of Transportation  
Alternate Project Delivery Office  
1221 East Broad Street  
Main Building, 4<sup>th</sup> Floor  
Richmond, VA 23219

**Re: A Design Build Project I-581/Valley View Interchange Phase II**  
**State Project No.: 0581-128-109, P101, RW201, C501, B627**  
**Federal Project No.: NH-581-5(035)**  
**Contract ID Number: C00016595DB45**  
**Estimated Value of Project \$50,000,000.00**  
**Type of Project: Design-Build**

To Whom It May Concern:

We are pleased to share with you our experience as surety for The Lane Construction Corporation. We consider The Lane Construction Corporation one of our outstanding and most valued clients in whom we have the highest confidence. Through the years this company has, in our opinion, remained properly financed, well equipped and most capably managed.

Fidelity and Deposit Company of Maryland and Zurich American Insurance Company have an A.M. Best rating of A+ XV and Liberty Mutual Insurance Company has an A.M. Best rating of A XV. They have approved a surety program for Lane consisting of single project limits of \$250,000,000 with a corresponding aggregate bonding capacity of \$1,500,000,000.

Fidelity and Deposit Company of Maryland, Zurich American Insurance Company and Liberty Mutual Insurance Company are prepared to give favorable consideration to the execution of any final bonds in association with the above captioned project. Naturally, the execution of any final bonds would be subject to our normal underwriting review which includes the following:

- The Lane Construction Corporation would request us to issue bonds for this project.
- Both The Lane Construction Corporation and Fidelity and Deposit Company of Maryland, Zurich American Insurance Company and Liberty Mutual Insurance Company will have the opportunity to review and find acceptable the contract terms and conditions, bond forms and project financing.
- A satisfactory underwriting review will have been completed at the time the bonds are required.

If we can provide any further assistance please do not hesitate to contact us.

Sincerely,

Fidelity and Deposit Company of Maryland  
Zurich American Insurance Company  
Liberty Mutual Insurance Company

  
Danielle M. Bechard  
Attorney-In-Fact

3.2.8 Required Information Business Name* (Type - all firms are active corporations in good standing.)	Registered Business Address	3.2.8.1 SCC #	DPOR (3.2.8.2 / 3.2.8.3 / 3.2.8.4)			
			DPOR Registration Type	Firm DPOR Registration # Expiration	Key Personnel Office Location	Individual DPOR# Expiration DPOR Address
The Lane Construction Corporation	90 Fieldstone Court Cheshire, CT 06410	F025447-6	Contractor Class A	2701011871 exp 1-31-12	Richard McDonough Jerry Brown Chanilly, VA	N/A
NXL Construction Services, Inc.	114 E Cary St, Ste 200 Richmond, VA 23219	03497427	Bus Entity	0407003031 exp 12-31-11	Joseph Hamed, PE Richmond, VA	0402039327 exp 2-29-12 Christiansburg, VA
STV Incorporated dba STV Group, Inc. (STV/Ralph Whitehead Associates)	10800 Midlothian Turnpike Suite 302 Richmond, VA 23235	F025345-2	Bus Entity Branch Office	0411-000462 exp 2-29-12	Ronald Briggs, PE Richmond, VA	0402011415 exp 6-30-12 Midlothian, VA
STV Group Incorporated (STV Incorporated)	2722 Merrilee Dr., Suite 350 Fairfax, VA 22031	F025345-2	Bus Entity Branch Office	0411-000661 exp 2-29-12		
STV Incorporated (STV/Ralph Whitehead Associates)	1000 W. Morehead St. #200 Charlotte, NC 28208	F025345-2	Bus Entity Branch Office	0411000710 exp 2-29-12	Jeff Gagne, PE Charlotte, NC	0402033892 exp 1-31-13 Monroe, NC
Accompong Engineering Group, LLC	9510 Iron Bridge Rd, #200 Chesterfield, VA 23832	S283521-5	Bus Entity	0407-005442 exp 12-31-11		
Anderson & Associates, Inc.	100 Ardmore St. Blacksburg, VA 24060	0732480-9	Bus Entity	0407-004805 exp 12-31-11		
DMY, Inc.	13454 Ridgemoor Ln Midlothian, VA 23114	0724389-2	Professional Corporation	0405-001794 exp 12-31-11		
EEE Consulting, Inc.	8525 Bell Creek Rd. Mechanicsville, VA 23116	05049416	Bus Entity	0407003798 exp 12-31-11		
EEE Consulting, Inc.	201 Church St. Blacksburg, VA 24060	05049416	Bus Entity Branch Office	0411000435 exp 2-29-12		
Mercado Consultants, Inc.	17830 New Hampshire Ave. #200 Ashton, MD 20861	F124591-1	Bus Entity	0407-005863 exp 12-31-11		
O R Colan Associates of Florida LLC (O. R. Colan Associates)	11111 Carmel Commons Blvd, Suite 410 Charlotte, NC 28226	T030927-0	Real Estate Appraiser Business	4008001545 exp 7-31-13		
Thomas L. Brown Associates, Inc.	1400 Eye St., NW, Ste 440 Washington, DC 20005	F1156670	Professional Corporation	0405001479 12/31/11		

**3.2.9. DBE Participation Commitment:** LANE supports the Disadvantaged Business Enterprise program and is committed to meeting or exceeding 16% of the design and construction of this project utilizing the services of organizations certified in Virginia as Disadvantaged Business Enterprises. It is also LANE'S intention to 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.

The next two sections of this SOQ provide a detailed description of the LANE/STV Team's structure and the directly relevant experience of our Team to design and construct this I-581/Valley View Interchange Project. Further, as a Team, we recognize that the following critical project risks must be addressed for the successful delivery of this Project; these identified risks are more fully described and the appropriate mitigation strategies that the LANE/STV Team intends to implement in Section 3.5 in this submission.

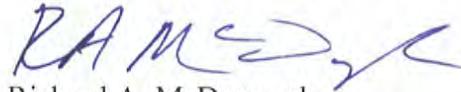
1. Maintenance of Traffic
2. Right-of-Way
3. Environmental Compliance/Lick Run

By implementing sound controls and scheduling, it is our intention to deliver this Project on time and within budget. The LANE/STV Team appreciates you taking the time to review this Letter of Submittal, and we look forward to working with VDOT on this project.

Respectfully submitted,



Joseph P. Lark  
Regional Vice President  
Mid Atlantic Region  
The LANE Construction Corporation



Richard A. McDonough  
Design-Build Project Manager  
Authorized Representative  
The Lane Construction Corporation



# 3.3 OFFEROR'S TEAM STRUCTURE

**The LANE/STV Team:** The Lane Construction Corporation, as the Offeror, will undertake financial responsibility for the completion of the I-581 / Valley View Interchange Phase II Project. Lane’s role will involve managing the entire project, supervising the construction, and performing major elements of the construction work. Additional subcontractors for various specialty items such as construction QA, asphalt miscellaneous concrete items, guardrail, and landscaping, will be under direct subcontract to LANE. STV will lead the design effort for all aspects of the project, will execute and manage the design effort, and will be responsible for design QA/QC. Several specialty design subconsultants will be under the direct subcontract to STV.

*All of the LANE/STV Team report directly to the Design-Build Project Manager.*

\*

*LANE/STV Team key personnel and managers have existing professional relationships with their counterparts at VDOT.*

\*

*We have judiciously populated our team with additional specialty subconsultants who know the area and project constraints.*

The VDOT Project Manager can expect an atmosphere of partnership and open communication. The structure of our core team leadership firms includes additional staff to address quality and safety assurance measures and is organized to facilitate sound decision-making and timely project delivery.

The LANE/STV Team also includes highly qualified subconsultants who bring specialized design services necessary for successful completion of this design-build project. **Each subconsultant on the LANE/STV Team is certified Virginia DBE or SWaM.** These services supplement and enhance the team’s capabilities while simultaneously allowing participation by SWaM and DBE firms in support of VDOT’s goals for this project. The following subconsultants will be providing the respective services:

Subconsultant	Services Provided and Benefit to VDOT
Accompong Engineering Group, LLC	<ul style="list-style-type: none"> <li>• Providing Traffic Management Plans and Maintenance of Traffic support</li> <li>• Institutional knowledge with former VDOT staff on board.</li> <li>• Experience developing designs with feasible alternatives to reduce costs</li> </ul>
Anderson & Associates, Inc.	<ul style="list-style-type: none"> <li>• Providing survey, utility coordination services</li> <li>• Local to project</li> <li>• Knowledge of VDOT processes and preferences.</li> </ul>
DMY, Inc.	<ul style="list-style-type: none"> <li>• Providing Pavement design</li> <li>• DMY staff has worked with LANE on many projects, including the Capital Beltway (HOT Lane), significant to the Commonwealth of Virginia.</li> </ul>
EEE Consulting, Inc.	<ul style="list-style-type: none"> <li>• Providing stream restoration and realignment / environmental services</li> <li>• Knowledge of project constraints, risks and opportunities to expedite compliance requirements.</li> </ul>
Mercado Consultants, Inc.	<ul style="list-style-type: none"> <li>• Providing structural engineering support/soundwall design services</li> <li>• Develop cost-effective design solutions</li> </ul>
O.R. Colan Associates LLC	<ul style="list-style-type: none"> <li>• Providing right-of-way services</li> <li>• One of only three ROW firms holding an “on-call” contract with VDOT</li> </ul> <p><i>“O.R.Colan Associates...have proven to be an asset in the VDOT’s land acquisition program.” - Stuart Waymack (former) State Director of ROW &amp; Utilities, VDOT</i></p>
Thomas L. Brown Associates, P.C.	<ul style="list-style-type: none"> <li>• Providing geotechnical / foundation design recommendations services</li> <li>• Large database of the soils/subsurface conditions in the region</li> <li>• Knowledge base via relevant experience across the Commonwealth.</li> </ul>

**3.3.1 Key Personnel:** We consider VDOT management and staff to be true Project partners, working alongside the LANE/STV Team. Our relationships are effective, functional, and benefit from a common accountability initiative—to safely and soundly complete the project expeditiously. Leading the LANE/STV

Team is **Design-Build Project Manager**, Mr. Richard A. McDonough who is responsible for the overall project, construction quality management, and contract administration. He will facilitate communication among team partners, monitor design efforts to proactively eliminate potential constructability issues prior to breaking ground, and delegate resources to deliver the project on time. Rich has been managing design-build projects for more than 10 years and has led construction for more than 30 miles of highway and 36 bridges, most of which have been in the Commonwealth of Virginia. He is an active and founding member of the Virginia Transportation Contractors Association (VCTA)/Virginia Department of Transportation (VDOT) Joint Committee on Design-Build Delivery since 2007. He currently is the Design-Build Project Manager on the Alexandria BRT Design-Build Project with the same design partner proposed here—STV.

As displayed in the Organization Chart, the following Key Personnel will report directly to the Design-Build Project Manager, leading their respective groups.

**Quality Assurance Manager, Mr. Joe Hamed, PE, (NXL)**, will offer one focal point of responsibility for all of the project quality control (QC) and quality assurance (QA) services. Mr. Hamed will act independently of the design and construction teams and report directly to the Design-Build Project Manager, Rich McDonough. He will develop and submit to VDOT the Project QA/QC Plan and will monitor same from outset to final punch-list. As the Independent Quality Assurance Manager for Design-Build projects he has experience ensuring contract requirements and specifications are appropriately administered and applied. He will see that quality control testing and independent quality assurance is carried out, contractor invoices are correct – all in accordance with the applicable VDOT standards/documents addressing construction, QC, QA, and IA. His 21-year career includes more than seven years with VDOT where he provided constructability, E&S and safety reviews for numerous projects in various phases including design and construction. Additionally, he served as the Program Delivery Manager where he provided oversight of all SW Regional Operations project delivery in all project phases, including planning, programming, project development and construction. Mr. Hamed managed projects that included drainage, grading, placing, bridges, bridge superstructure/substructure restorations, signal, guardrail, pavement markings, and utilities elements.

**Design Manager, Mr. Jeff Gagné, PE, DBIA**, will coordinate all design activities to meet the needs of the Contract. He will work with the Quality Assurance Manager as well as each key design lead in order to comply with the requirements of the QA/QC Plan. An active member of DBIA, Jeff has been involved with over 25 design-build projects for the past 15 years and is well-versed in all aspects of design-build delivery, including design concept validation, value engineering, risk management and project controls. Our Design Manager needs no hand-holding—he will bring proven processes and foster collaborative structure to the project from day one.

*“You joined the NCDOT engineers and staff with a ‘How can we do this faster?’ attitude. That mindset helped us get the job done quickly, and you should be commended for all you did to make it happen.”*  
 - North Carolina Governor Bev Perdue,  
 regarding STV’s work to reopen NC 12 washed out  
 by Hurricane Irene, 2011

**Construction Manager, Mr. Jerry Brown**, will control the day-to-day construction operations of the project by providing direction to the lower level managers, and keeping subcontractors abreast of the schedule to assure their availability in performing necessary functions. He will act as the construction liaison, discussing daily needs to assure on-time completion. Additionally, he will develop and manage the CPM schedule to anticipate and resolve potential delays prior to their occurrence. Jerry’s most recent experience as the Senior Project Manager on the I-495 HOT Lanes project, one of the most heavily congested traffic areas in the country, makes him a most valuable asset to this Project, having direct experience in limited access highway and bridge construction management in similar conditions. His direction and implementation of phased sequencing in highly congested traffic areas for effective maintenance of traffic in this recent experience will be put to good use managing the construction at the Valley View Interchange and surrounding traffic area.

For Bridge Design Services, the **Lead Structural Engineer, Mr. Ron Briggs, PE** will report directly to Design Manager, Jeff Gagné. Ron will oversee the design and plan production work for structural design. A lifetime resident of Virginia, Ron’s 35-year career includes eight years with the VDOT-Structure and Bridge Division. Since 1985, he has led all design activities of STV’s Richmond office, completing well over 50

VDOT projects. Ron's experience includes several bridge widenings similar to the proposed bridge carrying Valley View Boulevard over I-581. His design portfolio includes the widening of dual bridges on Rte. 58 over CSXT and NS Railroads in Suffolk, VA, widening and bridge deck replacement for Lynnhaven Parkway Bridge over London Bridge Creek in Virginia Beach, VA and several widenings of interstate bridges on I-85 in North Carolina. Having been involved throughout the construction of numerous major projects, Ron brings a keen insight into constructability issues which will benefit the Department on this project as MOT and staging plans are developed to maintain traffic flows and to reduce impacts to the traveling public.

For Construction Activities, LANE will also assign **full-time superintendents** for both the roadway, Mr. Dennis Rodkey, and structure components, Mr. Rich Turner, both of whom report to Jerry Brown, Construction Manager. Mr. Rodkey's and Mr. Turner's primary duties include direct supervision of the construction crews, ensuring assignments are done safely and in accordance with the specifications. Dividing the superintendent responsibilities into these two positions will ensure that appropriate components' schedules are in tandem to provide seamless and timely project delivery.

As an added benefit, LANE is assigning **Mr. James Murphy, an experienced Safety Manager** (fresh from the VDOT Woodrow Wilson Bridge Project) to lead the jobsite safety program. This oversight assures that personnel involved in the day-to-day activities are safety trained and qualified to perform their respective duties. He will perform impromptu inspections to assist the on-site supervisors in maintaining a safe working environment. An excellent safety record is essential; the ultimate goal is to provide a healthy and safe work environment for all employees. LANE considers the safety of its employees and the general public to be the top priority. We also work hard to comply with all applicable Federal, State and local requirements, and be guided by good practice as necessary for location and circumstances. Our goal is to send each and every one of our employees home at the end of the workshift in the same condition as they arrived.

**Public involvement** is also a critical component of this project. **Mr. Thomas Flournoy, PE**, has extensive experience in high profile projects and keeping the public both involved and informed. Particularly in the case of right-of-way relocations, he will direct all communications with affected parties. Additionally, Mr. Flournoy will be directly involved with the Project Team to keep the travelling public apprised of all construction operations.

Finally, one of our strategies to achieve timely successful project delivery is assembling a Team led by Team Members that have longstanding and existing working relationships with VDOT.

## Functional Relationships

The **Design-Build Project Manager, Rich McDonough**, will manage communication between the LANE/STV Team and VDOT, in order to maintain schedule, budget, and quality for the I-581/Valley View Interchange Phase II Project. Mr. McDonough will communicate directly with the VDOT Project Manager, and is directly responsible to VDOT for the successful performance and delivery of this project.

It is the D-B Project Manager who will lead the LANE/STV Team to success through sound management practices and coordination with VDOT. Guidelines and procedures will be initiated, in compliance with the project specifications, to closely monitor the design and construction process. Having a project vision is crucial to effective leadership and management of any project. The project vision is the basis for understanding VDOT's expectations to complete a high quality project with the greatest return on investment. Once this vision is established, the LANE/STV Team will ensure a balance of all components that support project delivery including processes, people, tools, and skills. Whether the project proceeds as planned or requires modifications, the D-B Project Manager must use resources wisely to satisfy the needs of the project.

We have assembled a talented project team to meet the challenges of the I-581/Valley View Interchange Project. We will establish guidelines for the decision making process and include key VDOT representatives in partnering relationships. Contingency plans will be established for the completion of key work elements such as the phased bridge construction and asphalt paving work. This will allow for the earliest completion date possible. The project team will promote innovative MOT and construction strategies to meet the challenges of this critical thoroughfare. Regular meetings will be held during project construction, to review and discuss progress and planning methods. A plan will be developed to assess any environmental impacts and identify practical mitigation measures for these activities. Weather related impacts will be considered in all pre-work

meetings.

LANE and STV, both independently as well as through many successful design-build teaming relationships together, are both experienced in developing and maintaining effective lines of communication within the project team. Though reporting relationships are rigid, the lines of communication within the team are fluid and flexible enough to meet the requirements of each individual project task. In order to prevent unnecessary project delays, it may sometimes be prudent for other members within the LANE/STV Team to communicate directly with their counterparts at VDOT, as directed and authorized in advance by both the D-B Project Manager and the VDOT Project Manager.

The **Design Manager, Jeff Gagne, PE**, will have functional responsibility for managing all design elements of the project as well as maintaining all communication within the Design Team. He will report directly to the D-B Project Manager. Likewise, the Construction Manager, **Jerry Brown**, will be responsible for all construction related elements and members of the construction team. Mr. Gagne and Mr. Brown have extensive experience with D-B projects and understand the importance of maintaining effective, ongoing communication.

LANE is producing an independent, comprehensive program under the leadership of Mr. Rich McDonough, Design-Build Project Manager. Mr. McDonough will ensure that the QA program is consistent with VDOT's QA and QC requirements, which we understand will be forthcoming in an update to those respective guidelines. QA will be completely independent from the design and construction work, and will minimize the necessity of additional VDOT quality assurance efforts. The Quality Assurance Manager (QAM), Joe Hamed, PE, will perform independently of the construction team. He will be responsible for day-to-day supervision of construction QA activities on the project as well as monitor the contractor's QC program. Critical to this Project and any other VDOT design-build project is his supreme authority in this role. Although the QAM reports to the D-B Project Manager, he also has the authority and obligation to shut down the project as warranted.

The Construction Manager, Jerry Brown, will be responsible for the development of the construction quality management program, and Jeff Gagne, PE, Design Manager, will be responsible for the development of the design quality management program. These respective QA/QC plans will be prepared in collaboration with the Project Team and reviewed by Mr. McDonough. The time necessary to carry out design reviews, inspections and tests will be incorporated into the CPM schedule. The independent QAM, Joe Hamed, will ensure that conformance with the Contract Documents is maintained, and will have the overall responsibility for both the development of and adherence to the overall D-B QA/QC Plan. Mr. Hamed will be responsible for supervising the performance of the specific field materials tests performed by the Design-Builder, including but not limited to, density, moisture, air content of concrete, slump, and other required materials field tests.

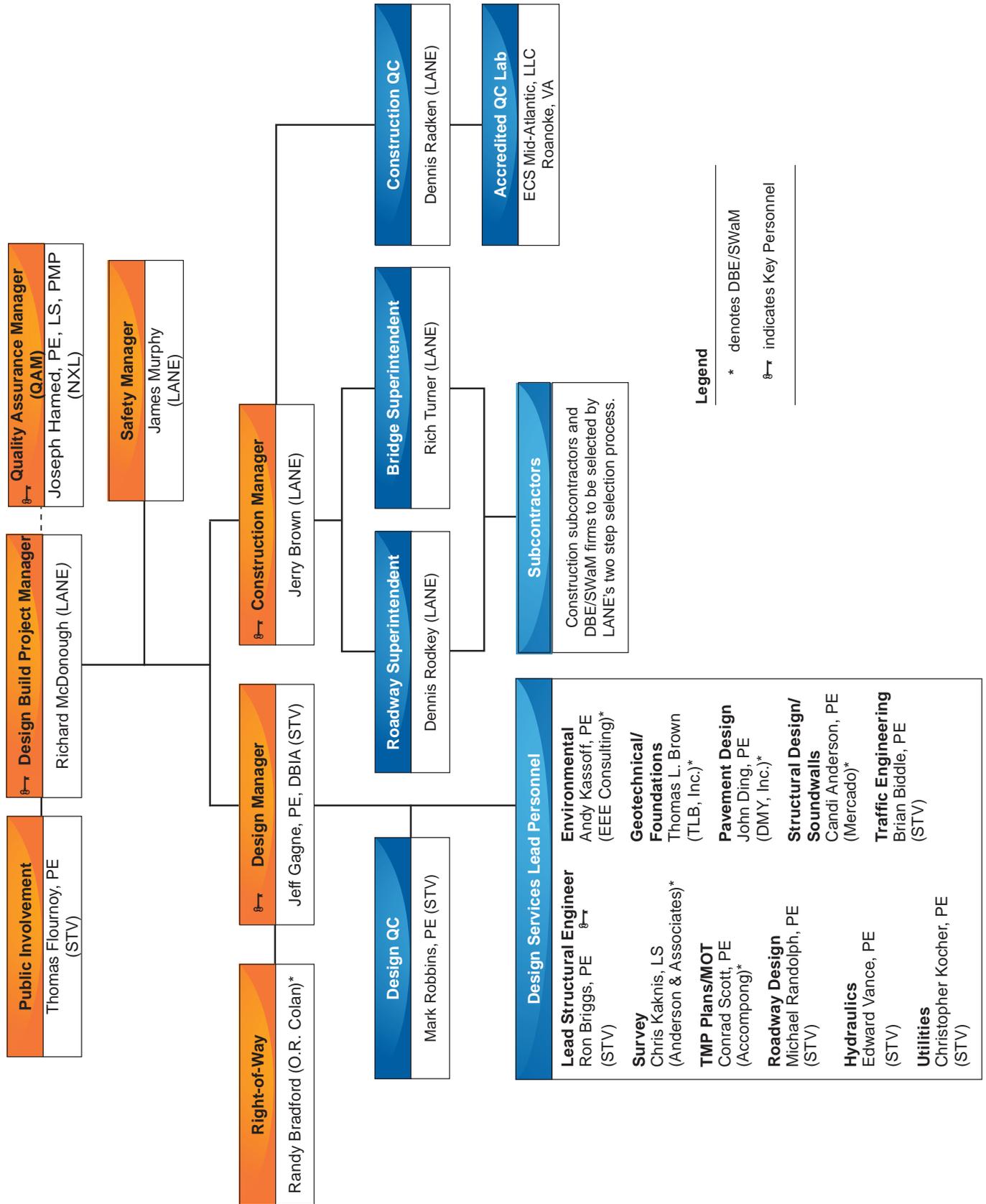
This organizational structure will enable the Lane Management Team to interface with not only VDOT, but outside entities or "third parties." Best Management Practices will be implemented under the direction of the Mr. McDonough using the actions described below, aimed at establishing a total partnership with VDOT:

1. Bi-weekly meetings will be held by Jerry Brown, Construction Manager, and attended by members of VDOT staff, necessary personnel from the Design-Build Team, and selected persons needed for pertinent business.
2. Monthly progress meetings will be led by Richard McDonough, and attended by each of the managers listed on the previous page, as well as key subcontractors, subconsultants, and VDOT staff.
3. A proactive dispute resolution partnership will be established, where issues (when identified) are escalated up the decision-making ladder, in order to (a) identify small issues before they become larger ones, and (b) proactively engage the right people at the appropriate time and bring decision makers to the table.

### 3.3.2 Organization Chart

The LANE/STV Team is organized to provide VDOT with a single source point of contact, responsible for all design and construction activities. The LANE/STV Team organization has a straightforward chain of command, with individual tasks and responsibilities clearly identified. The following Organization Chart identifies key personnel and major functions to be performed for the successful design and construction of the I-581/Valley View Interchange Phase II Project.

### 3.3.2 Organizational Chart



**Legend**

- \* denotes DBE/SWaM
- ↔ indicates Key Personnel



## 3.4 EXPERIENCE OF THE OFFEROR'S TEAM

The Lane Construction Corporation (LANE), established in 1890 and incorporated in 1902 in the State of Connecticut, is one of the largest and most well-respected transportation contractors in the nation. The Corporation is headquartered in Cheshire, CT with regional offices throughout the Eastern United States including Chantilly, Virginia which supports multiple office locations throughout the Commonwealth.

LANE consistently ranks among the **top 10 transportation contractors in the nation**, as reported by *Engineering News-Record*, shown below, and is currently ranked the **6th largest transportation contractor**.

TRANSPORTATION 2011		
RANK	FIRM	
2011	2010	
1	1	BECHTEL
2	2	KIEWIT COPR.
3	5	FLUOR CORP.
4	3	THE WALSH GROUP LTD.
5	4	GRANITE CONSTRUCTION INC.
6	7	FLATIRON CONSTRUCTION CORP.
7	6	SKANSK USA
8	8	<b>THE LANE CONSTRUCTION CORP.</b>
9	**	KBR
10	9	TUTOR PERINI CORP.
11	15	THE TURNER CORP.
12	11	AUSTIN INDUSTRIES
13	19	GREAT LAKES DREDGE & DOCK CORP. LLC.
14	14	WEBBER LLC
15	12	AMERICAN BRIDGE CO.
16	10	CLARK GROUP
17	13	WEEKS MARINE INC.
18	18	PCL CONSTRUCTION ENTERPRISES INC.
19	**	URS CORP.
20	**	THE SHAW GROUP INC.

LANE's current annual revenues exceed \$1 billion, with the majority of contracts for state, federal and municipal agencies. As the traditional market of Design-Bid-Build shifts toward the Design-Build method of contracting, LANE is well positioned through experience, reputation, and past performance to maintain its role as a leader in the industry.

LANE has successfully participated in 50 Design-Build projects ranging in scope from \$15 million to \$1.5 billion. 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 Design-Build projects in the last decade.

Partnering is vital to the success of any project; however, partnering within a Design-Build project is especially important due to the vulnerability to higher risks such as design growth, constructability issues, cost overruns, and environmental permitting challenges. Public and private owners, designers and all other project stakeholders can be assured that by partnering with LANE, they have partnered with a

highly credible contractor who is ethically responsible, cost conscious, innovative, and most notably, has never failed to complete a contract in our 121-year history.

Advantages of Design-Build with LANE includes partnering with a contractor that has:

- Experienced Design-Build personnel
- Design-Build project experience on both large and small projects
- A proven track record of successful Design-Build contract administration
- The ability to self-perform up to 75% of the critical work activities on most projects
- A proven track record of completing work on time or ahead of schedule
- One of the industry's best safety records
- A reputation for delivering only the highest quality workmanship

LANE maintains a full time presence in Virginia, employing a permanent workforce in excess of 600 craftsmen; we understand the issues that drive the Commonwealth and recognizes 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 communicated with for this project to ensure its success.

### LANE and VDOT

LANE has been an active leader on numerous high profile projects for VDOT over the last 30 years including the very relevant \$1.5B Capital Beltway HOT Lanes D-B Project, the \$13M Gilberts Corner Route 50 Roadway Improvements D-B Project and the \$75M construction of the Springfield Interchange Project, Phase V. An active and recently completed list of Lane projects in Virginia for VDOT includes:

- I-495 HOT Lanes D-B, \$1.5 billion (on-going and on-schedule)
- I-66 Third Lane Widening, \$20 million (completed 12/5/11)
- Gilberts Corner Route 50 Roadway Improvements D-B,



Gilberts Corner – extensive MOT through highly congested traffic area. Project won design and construction awards from ACEC and DBIA and local associations

- \$13.4 million (completed 2009 – early delivery and under budget)
- Springfield Interchange, \$75 million (completed – early delivery)
- I-66 Arlington, \$28 million
- I-66 Glebe Road, \$41 million
- Braddock Road, \$4 million
- I-66 Rosslyn, \$18 million
- Route 7, Sterling, \$16 million
- Dulles Access, \$19 million
- I-95 Woodbridge, \$20 million
- Fairfax County Parkway, \$12 million
- Centreville, \$5 million
- Dulles Toll Road Ramps, \$6 million
- Route 234 Prince William, \$21 million



Springfield Interchange - limited access highway, bridge, sound walls – VDOT rewarded LANE with a \$6.5M bonus for early delivery.

STV will serve as Lead Designer under contract to LANE, managing the design efforts for all aspects of the project. The firm has provided engineering design services for some of the more significant transportation projects in the Southeast, from Virginia to Florida.

STV offers 1,760 employees in 34 offices throughout the United States. More than 160 of these employees are located in our Southeastern Division. They have maintained a Richmond office since 1985 which has focused primarily on VDOT bridge and roadway projects. The firm also has a Fairfax, Virginia office with 45 employees, working on a number of major projects transportation projects including a major urban interchange modification for I-395 in Washington, DC. STV has been in business for almost 100 years and, as a full-service firm, provides transportation engineering and construction management capabilities with specialty expertise in design of roadways, railways, bridges, traffic engineering, and stormwater management facilities.



STV provided design-build engineering services for this continuous steel plate girder bridge as part of the Route 288 PPTA for VDOT.

STV has considerable design-build experience, having worked on several \$100M projects such as Route 288 in Richmond, Virginia; I-77 Widening near Charlotte; and the Knightdale Bypass in Raleigh, North Carolina.

### 3.4.1 Experience Delivering Similar Projects

The benefits of the design-build delivery method are enhanced when the team members are familiar with each other. **The LANE/STV Team has worked on nine D-B projects (valued at \$600 million) together** and are proud to have successfully delivered many projects using the D-B contracting method. The Work History Forms included in the appendix illustrate relevant and shared project experience of LANE, the Lead Contractor, and STV, the Lead Designer. Our long-standing relationship creates significant added value to VDOT.

The LANE/STV Team has worked on numerous projects where construction staging and sequencing were an integral part of maintaining public access during construction and for minimizing impacts to adjacent stakeholders such as businesses, communities and other transportation users. We will complete a comprehensive constructability review early in the design process to identify and mitigate potential impacts to project stakeholders. LANE and STV, as a team, have successfully delivered projects that include the same relevant construction elements as the I-581/Valley View Interchange project, which are shown on the following table.

*“Lane Construction [and D-B partner, STV] has shown this Division that they strive to perform and to obtain outstanding quality work. The NCDOT was presented with timelines and controlling operations in the phasing of the project. All of these timelines were met—if not completed before—the estimated completion schedule.” - Jami C. Guyan, Resident Engineer, NCDOT – Division 11*



LANE/STV Shared D-B Experience	D-B Project	Limited Access Highway	Interchange	Project Elements		Relevant Risk Factors		
				Roadway	Pedestrian	Extensive MOT	ROW	Stream Alignment
	NCDOT I-77 Widening \$84 million	✓	✓	✓	✓	✓	✓	✓
	NCDOT/I-85 and I-485 ("turbine" interchange) \$92 million	✓	✓				✓	✓
	NCDOT/I-85 Yadkin River Bridge \$137 million		✓				✓	✓
	NCDOT/Knightdale Bypass US 64/I-540 \$131 million	✓	✓		✓		✓	✓
	NCDOT/Knightdale Connector – East Wake Expressway \$47 million	✓	✓		✓		✓	
	Alexandria, VA BRT Roadway Improvements \$7 million				✓			
	Eglin Air Force Base SR 85 and McWhorter Avenue Infrastructure Improvements \$10 million	✓	✓		✓		✓	

## Subconsultant Experience

**Accompong Engineering Group (AEG)** - AEG has recently completed the Transportation Management Plans (Type B - Category III & IV) and Traffic Signal Plans for five (5) intersections on Route 36 Design-Build in Prince George County and the City of Hopewell. The project, funded by AARA, included the design and construction of approximately 1 mile of roadway on Route 36 from west of Fort Lee's Sisisky Boulevard Gate to Jefferson Park Road in Hopewell and approximately 0.5 miles of ramp realignment and improvements on Route 144. The work included roadway widening and rehabilitation, drainage, traffic signals, signing, striping, TMP, utility coordination and design, quality assurance and control, and erosion and sedimentation control.

**Anderson and Associates** - Anderson & Associates, Inc. (A&A) has a well-earned reputation that is founded on their employee-owners' commitment to maintaining a base of highly satisfied repeat clients. A&A offers the expertise of 100 employees in four offices throughout Virginia, North Carolina, and West Virginia. A&A has a seasoned staff of transportation, traffic, and utility engineers with considerable experience in the New River Valley. The majority of their work has been done under contract to the Virginia DOT over the last two decades. Most of their staff is native to the region which adds further value to the projects they are responsible for.

**DMY** - DMY staff has worked with Lane Construction project managers on many projects including the Capital Beltway (Hot Lane), one of the most important projects in the Commonwealth of Virginia. Lane/STV/DMY team was recently awarded a design-build project for the construction of a new Buss Rapid Transit (BRT) lane in Alexandria, Virginia. As the geotechnical engineer for the project, DMY will be responsible for not only the critical geotechnical related issues, such as roadway embankment, soft soil improvement, structural foundation, slope stability analysis, but also several innovative designs required by the city, such as the consideration of a pervious payment system.

**EEE Consulting - Pine Run Stream Mitigation** - EEE was responsible for the surveying, design, CADD hydrologic analysis, wetlands and Waters of the US delineation, and environmental permitting (Clean Water Act and Sub-Aqueous Bed Permit and Water Protection Permits) for a mitigation project with 7,400 stream credits from stream restoration and 4.4- acres of wetland mitigation for VDOT in the New River watershed. Project involved wetland and stream delineation, stream channel design, HEC RAS analysis, riparian buffer establishment, wetland mitigation water budget, sediment transport modeling and HEC RAS modeling, permitting with DEQ Water Protection Permit, USACE Section 404, and VMRC Sub-aqueous Bed Permit, and preparation of design plans and bid documents. The project included 4.4 acres of wetland restoration/enhancement and creation within the floodplain and riparian areas.

**Mercado - MD 200 (Intercounty Connector) Contract C Design/Build, AT3765C60 Task 1, Design of Noise Barriers along Ramp NE West of US 29 to East of I-95:** Mercado Consultants, Inc. developed the horizontal alignment of 2800' of Noise Barrier along Ramp NE and the Mainline to meet the Acoustical Analysis and cost criteria. The task included the design and development of the plan and profile including the design of grade beams to address underground utility conflicts. We worked with numerous other disciplines to coordinate grading, utility locations, drainage, fire door access, etc. Benefit the firm brought to the ICC, Noise Barrier D-B project: Coordinated panel design along the approximately ½ mile long alignment to minimize the number of panel and post sizes and types including the number of unique elements.

**OR Colan - 13th Street Project, City of Roanoke, VA** - ORC is currently providing acquisition and relocation services in Roanoke for the Salem District of the Virginia Department of Transportation. The project requires the acquisition of 99 parcels and the relocation of 43 residential and business displacees as well as 23 personal property moves. Additionally, ORC is providing appraisal procurement, plan review, and suit preparation. Our staff has been trained on the Right of Way and Utilities Management System (RUMS) and is currently utilizing this system to manage project activities and track the progress of key benchmarks. The Roanoke ORC staff has also met all benchmark dates and tasks requested by VDOT to date on this project.

**Thomas L. Brown - Potomac River Bridge 0095-100-104, PE-110 (Woodrow Wilson Bridge) DC/MD and Alexandria, VA:** TLB provided subsurface explorations and laboratory testing services for the bridge replacement design on land and water. Tasks included testing soil on land and in water. Borings went up to 250 feet in depth. 3-inch undisturbed tubes and bulk samples were collected; Laboratory tests were also included services.



3.5 Project Risk



# 3.5 PROJECT RISK

Every project contains elements of risk; the three most critical for this Project are Maintenance of Traffic (MOT), Right-of-Way, and Environmental Compliance. The following narrative provides our risk assessment, indicates the impact the risk will have on the Project and discusses the mitigation strategies we propose to implement. We also identify the roles and responsibilities that VDOT and possibly other stakeholders to the project have in helping to resolve these risks. A risk summary table follows the detailed descriptions below with each risk element rated high, medium or low and assigned a mitigation strategy.

## Risk 1: Maintenance of Traffic (MOT)

MOT for the Valley View Interchange is a significant concern for three key modes of travel:

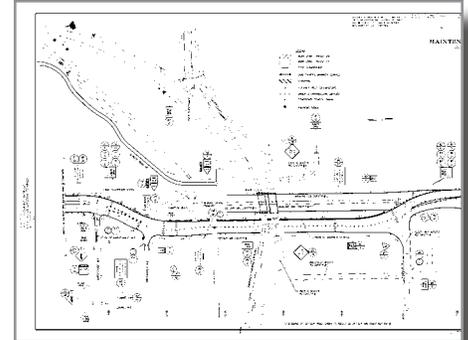
- Interstate commerce on I-581
- Patrons and Citizens traveling to and from the Valley View Mall
- Lick Run Greenway

The Lane/STV team has considered the impacts of this risk item to the surrounding area, such as Valley View Mall, the region’s busiest shopping location. This business center cannot be impacted by this project at any time. Likewise, the Greenway trail is most important to the pedestrians from the surrounding communities, both residential and regional, and obviously I-581 is a critical corridor for the City of Roanoke and its citizens. Our Team will incorporate our vast experience, lessons learned and proven systems to facilitate MOT for the duration of the Project, taking into account all circumstances. Our Team’s processes, proven delivery methods and collaborative, partnering approach will ensure a high-quality design addressing MOT is achieved. Specifically:

- **Team Development:** Immediately upon contract award, the LANE/STV Team will conduct an initial partnering meeting with VDOT, the City of Roanoke, the Roanoke Valley Greenway Commission, Valley View Mall and all utility partners and other stakeholders; both individually and collectively, to review project requirements. From this initial meeting we will develop “make certain” checklists identifying responsibilities and timelines for successfully achieving mutually developed activities and goals required for project success. We will develop the framework for the plan to move forward.
- **Design Workshops:** As the design progresses, we will hold regularly scheduled workshops to solicit input and buy-in by the Lead Designers, contracting team, VDOT and other affected stakeholders (i.e. Roanoke Valley Greenway Commission, Valley View Mall, utilities, permitting authorities, etc.).
- **Constructability Reviews:** The LANE/STV Team will conduct constructability reviews on all major components of work, as well as critical elements that may affect bridge structure, MOT, environmental permitting, utility relocation, and right-of-way, to be proactive in mitigating issues that may impact the project.
- **Work Packages:** Work packages will be developed for all elements of the project with each addressing MOT. These will allow the LANE/STV Team to begin work incrementally on certain project elements or components.

The STV Design Team will include LANE construction team members and the QAM during various stages of design. Once STV has performed the appropriate Traffic Management Plan studies, LANE will participate in early design concept meetings and review of the plans to provide feedback on construction means and methods, as well as to perform constructability reviews. The QAM will review the plans for constructability and compliance with the contract requirements. After the comment period, the STV and Design-Build Project Manager (Richard McDonough) will meet to determine which comments will be incorporated into the MOT plans.

MOT is a challenge on all projects being constructed under traffic. Our experienced staff will ensure smooth and efficient traffic operations throughout construction of the Project. ***VDOT, the City of Roanoke, the Roanoke Valley Greenway Commission, Valley View Mall and Lick Run Greenway Trail will not experience reduced service levels during the construction of this project.***



## Risk 2: Right-of-Way

Five residential structures have been identified in the Categorical Exclusion as requiring acquisition and demolition. There is risk relative to the potential difficulty in obtaining right-of-way due to the legal process and time required for determining value of land and in relocating the homeowners involved in any real estate take. Therefore, the key components of an effective right-of-way program involve not only understanding the processes, but also appropriately and effectively accommodating the impacted citizens.

Our experience has shown that properly initiating a right-of-way program with the affected community is paramount to its success. The LANE/STV Team will employ the following processes and techniques to ensure that the program is carried out effectively and expeditiously. The right-of-way personnel will work directly with the design personnel to identify and develop right-of-way plans for priority areas

Potential issues associated with the structures may include the presence of asbestos containing materials (ACM), the presence of lead based paints, the potential for underground or above ground storage tanks, existing or historical chemical/pesticide storage on the properties and the potential presence of existing or current septic tank/drainfield onsite wastewater systems.

Throughout this process, the LANE/STV Team will fully employ VDOT's RUMS program for documentation of all right-of-way activities, performed in live-time.

Relative to relocations, it has been our experience that relationships matter. Our public involvement and right-of-way staff will work closely with each relocatee, availing ourselves at their reasonable convenience in order to make this process as stress-free as possible. We bring VDOT Certified, highly experienced professionals to this process who understand the applicable policies and procedures and who will employ the following processes and techniques to ensure that the program is carried out effectively and expeditiously:

- Development of Procedures/Work Plan – Utilizing the VDOT Right-of-Way Manual, the LANE/STV Team will assemble a project-specific work plan outlining all of the processes and procedures necessary to complete the program, including a key contact roster, workflow sequences, utilization of RUMS on-line record keeping, etc.
- Development of Acquisition/Relocation Plan – As soon as the Right-of-Way Data Sheet is complete, the LANE/STV Team will develop this project-specific plan outlining the schedule for all activities. This schedule will be “sequenced” in order to expedite acquisitions to match our construction schedule and sequence.
- Kick-Off Meeting with VDOT – As is appropriate, the LANE/STV Team will meet with VDOT's Right of Way and Utilities office to (a) review the procedures manual, (b) confirm the plans for reviews and communications, and (c) define the workflow and schedule.
- Initial Interviews – The LANE/STV Team through a member(s) of their Right-of-Way Team, will be readily accessible to all affected property owners for their questions and concerns. Immediately upon Notice to Commence Right-of-Way Acquisition, the Right-of-Way Team with the assistance of our Public Involvement leader, will make certain that all affected property owners are provided with comprehensive contact information to reach the appropriate Right-of-Way Team member to address their issues in a timely and practical manner. The LANE/STV Team will schedule goodwill interviews with all affected property owners. This initial meeting is of the utmost importance, and goes a long way towards setting a positive tone for the acquisition process.
- Appraisals – The LANE/STV Team will engage VDOT-approved appraisers who will perform their comparable sales and appraisal analysis in accordance with VDOT's Appraisal Guidelines.
- Appraisal Review –All appraisals shall be reviewed by an independent VDOT-approved appraiser, resulting in a recommendation for just compensation and relocation benefits.



- Title Examination – The LANE/STV Team will engage a VDOT-approved title company to complete the title examination and provide title insurance for each affected parcel, within sixty (60) days of initial offer.
- Assessment of Hazardous Materials – For all proposed acquisitions, we will conduct a Phase I audit for the presence of hazardous materials such as asbestos, UST presence, or other potential hazardous materials.
- Offer and Negotiation – Upon final VDOT appraisal review and approval, the LANE/STV Team will make the initial offer and commence with negotiations, coordinating with VDOT as necessary. A determination of the owner’s willingness to settle will be made as soon as possible in order to allow ample time for condemnation proceedings.
- Settlement (Acceptance or Condemnation) – Upon acceptance of Offer, the LANE/STV Team will proceed with the preparation of appropriate paperwork as outlined below. In the event that acceptance is not reached, the LANE/STV Team will engage the designated VDOT Hearing Officer for subsequent action; i.e., settlement versus condemnation.
- Payment of Benefits – The LANE/STV Team will compile the Acquisition Report (RW-24) and submit to VDOT, who will then issue vouchers and state warrants for all payments, which the LANE/STV Team then conveys to affected property owners in return for indefeasible title.
- Conveyance of Ownership – The LANE/STV Team is responsible for preparing and filing documents of conveyance of title to the Commonwealth of Virginia, and delivering executed general warranty deeds to VDOT. With the exception of negotiated easements, all title will be acquired in fee simple.

A similar process will be undertaken for relocated utilities, the exception being the name of the title holder. As soon as roadway plans have been developed to the stage that impacts are clear, we will initiate the utility coordination process and coincidentally the property acquisition process.

The Right-of-Way acquisition process has the potential to severely impact the construction schedule if the Design-Build Team does not work aggressively and in strict accordance with the applicable laws. The LANE/STV Team has assembled a first class group to meet the schedule and construction needs for this project. Right-of-Way acquisition will not impact the project unless unforeseen legal issues beyond our control are encountered.

### **Risk 3: Environmental Issues/Permits**

The I-581/Valley View Interchange Project has several environmental risk factors, however, two are of primary importance:

- Stream Restoration/Relocation
- Environmental Issues/Permits

A Categorical Exclusion (CE) was completed by VDOT on May 4, 2010 and updated on June 2, 2011. The updated CE indicated the estimated 935 linear feet of stream impact. Impacts to the 100-year Floodplain and Regulatory Floodway Zone are anticipated due to the proposed relocation of Lick Run due to the fill profiles required by the Project. Accordingly, it will be necessary to complete the Conditional Letter of Map Revision (CLOMR) and the Letter of Map Revision (LOMR) process to accurately reflect the changes to the floodway model resulting from the project.



#### **Stream Restoration/Relocation**

The design of the Project will require that the interchange ramp’s fill slopes be extended in a way that will result in unavoidable impacts to 935 linear feet of Lick Run southwest of the current partial interchange. Compensatory mitigation can be carried out through four methods: (1) restoration of previously existing aquatic life; (2) enhancement of an existing aquatic site’s function; (3) establishment of a new aquatic site; and/or (4)

preservation of an existing aquatic site. There are three mechanisms for providing compensatory mitigation: (1) permittee-responsible compensatory mitigation; (2) mitigation banks and/or (3) in-lieu fee mitigation.

Even though a mitigation bank must have an approved mitigation plan and other assurances in place before any of its credits can be used to offset permitted impacts, there is an established preference for its use. This preference doesn't mean that if a bank is present that it has to be used; it does mean that permittee-responsible mitigation sites would have to be approved for compensatory mitigation over an established bank. As such, the permittee-responsible compensatory mitigation plan should most effectively address the case-specific circumstances and needs of the watershed to be authorized by the USACE District Engineer.

The goals of this stream relocation project would be: (1) prevent and retard streambank erosion; (2) reduce flooding of adjacent properties caused by debris and sediment; (3) maintain/restore fish habitat; (4) improve water quality and (5) create an improved stream system that compliments the Lick Run Greenway.

Considering that the proposed Project is anticipated to qualify for permitting under a NWP 23, project related impacts will need to be kept under 0.5 acres of impacts to aquatic resources. If this permitting threshold is exceeded then the project could potentially require an Individual Permit (IP) which in turn would result in additional coordination as a CE for compliance with NEPA.

### **Environmental Issues/Permits**

As stated above it is our intent to permit the project under a NWP 23. Prior to approval of this nationwide permit and acceptance of the exiting CE, the USACE will solicit public comment. In addressing these comments, the USACE may require certain conditions for authorization of an agency's categorical exclusions under this nationwide permit.

The regional conditions that are most important for qualification for NWP 23 are:

- The discharge does not cause the loss of greater than 0.5 acre of wetlands;
- The permittee must notify the USACE if there is a discharge in special aquatic sites, including wetlands, and/or resulting in impacts to more than 300 linear feet of streambed; the notification must include:
- Written verification from the USACE must be received before performing the proposed work.

General conditions for an NWP 23 will apply; however, there are several critical issues that we will address during the design phase:

- **Management of Water Flows:** To the maximum extent practicable, the pre-construction course, condition, capacity, and location of open waters must be maintained for each activity, including stream channelization and storm water management activities. The activity must be constructed to withstand expected high flows.
- **Endangered Species:** No activity is authorized under NWP 23 which is likely to jeopardize the continued existence of a threatened or endangered species or a species proposed for such designation or which will destroy or adversely modify the critical habitat of such species.
- **Water Quality:** NWP 23 is unconditionally 401 certified by VDEQ, and is water quality waived for separate 401 certification. However, the USACE or VDEQ may require additional water quality management measures to ensure that the authorized activity does not result in more than minimal degradation of water quality.

The I-581/Valley View Interchange Project will be completed in an urban environment surrounded by residential and commercial developments; impacts to streams will be unavoidable. However, the LANE/STV Team will employ innovative strategies as listed above to minimize impacts to jurisdictional features and keep the project on schedule.

## Summary of Risks

Risk Factor	Exposure	Mitigation
Maintenance of Traffic	 <p><b>Interstate I-581</b> - Disruption of vehicular and commercial truck traffic, particularly during rush hour.</p>	<ul style="list-style-type: none"> <li>Implement proven management skills on complex urban interchange design projects based upon MUTCD standards.</li> </ul>
	 <p><b>Lick Run Greenway</b> - disruption of pedestrian and bicycle use of multi-modal trail for recreational and commuter activities.</p>	<ul style="list-style-type: none"> <li>Engage stakeholders in planning MOT, e.g. City of Roanoke, Roanoke Valley Greenway Commission, and user groups.</li> <li>Maintain a public outreach program to ensure trail users are fully informed of construction activities and proper and adequate notice is given for any route detours (if required).</li> </ul>
	 <p><b>Valley View Drive/Mall</b> - Disruption of access to mall stores and adjacent properties.</p>	<ul style="list-style-type: none"> <li>Include relevant stakeholders in planning MOT, particularly the Valley View Mall and its tenants (especially during holiday and seasonal events).</li> <li>Maintain a public outreach program to fully inform Mall patrons of construction activities and proper and adequate notice is given for any road detours or changes in Mall access points (as required).</li> </ul>
Right-of-Way	 <p><b>Acquisition</b> - Increased condemnations due to title issues or repeated plan changes during negotiations that cause delays in acquiring.</p>	<ul style="list-style-type: none"> <li>ROW personnel will interact regularly with design staff.</li> <li>ROW personnel will employ frequent involvement methods to communicate with affected property owners.</li> </ul>
	 <p><b>Relocation</b> - displacement / replacement/compliance/ financial situations</p>	<ul style="list-style-type: none"> <li>Proven abilities to implement a strong, effective relocation strategy.</li> <li>ROW and public involvement staff will communicate regularly with affected property owners.</li> </ul>
Lick Run	 <p><b>Environmental Issues and Permits</b> - Potential requirement for an Individual Permit exists depending on threshold impacts, agency concern for aquatic environment and impact interpretation which is more expensive and time consuming.</p>	<ul style="list-style-type: none"> <li>Due to the issuance of a valid CE, propose to Permit the Project under a NWP 23. Up to 0.5 acres of wetland impacts are the threshold Impacts for a CE. Wetland impact thresholds cannot be exceeded.</li> </ul>
	 <p><b>Lick Run Stream Restoration and Relocation</b> - Unknown mitigation strategy acceptance by regulatory agencies; range of potential costs and project duration between onsite and mitigation bank/in-lieu fee participation.</p>	<ul style="list-style-type: none"> <li>Onsite mitigation using a threshold stream design will be proposed under the Nationwide 23. Should it be determined that additional impacts associated with the retaining wall exceed permitting thresholds under the NWP 23, a proposal to permit those activities under a NWP 27 will be put forward.</li> </ul>





**ATTACHMENT 3.1.2**

**0581-128-109, P101, RW201, C501, B627**

**STATEMENT OF QUALIFICATIONS CHECKLIST AND CONTENTS**

**(Revised December 05, 2011)**

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 20-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
<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>				
Offeror's point of contact information	NA	Section 3.2.1	yes	2
Authorized Representative's signature	NA	Section 3.2.1	yes	6
Principal officer information	NA	Section 3.2.2	yes	2
Offeror's Corporate Structure	NA	Section 3.2.3	yes	2
Affiliated/subsidiary companies	NA	Section 3.2.4	yes	3
Debarment forms	Attachment 3.2.5(a) Attachment 3.2.5(b)	Section 3.2.5	no	A-52 – A-61
Offeror's VDOT prequalification evidence	NA	Section 3.2.6	no	Immediately following p. 3; & p.A-23
Evidence of obtaining bonding	NA	Section 3.2.7	yes	4
<b>Professional Services Evidence</b>				
Full size copies of SCC and DPOR registration documentation (appendix)	NA	Section 3.2.8	no	A-24 – A-51

**ATTACHMENT 3.1.2**

**0581-128-109, P101, RW201, C501, B627**

**STATEMENT OF QUALIFICATIONS CHECKLIST AND CONTENTS**

(Revised December 05, 2011)

Statement of Qualifications Component	Form (if any)	RFQ Cross reference	Included within 20-page limit?	SOQ Page Reference
SCC Registration	NA	Section 3.2.8.1	yes	5
DPOR Registration (Offices)	NA	Section 3.2.8.2	yes	5
DPOR Registration (Key Personnel)	NA	Section 3.2.8.3	yes	5
DPOR Registration (Non-APELSCIDLA)	NA	Section 3.2.8.4	yes	5
<b>DBE statement within Letter of Submittal</b> confirming Offeror is committed to achieving the required DBE goal	NA	Section 3.2.9	yes	6
<b>Offeror's Team Structure</b>				
Identity of and qualifications of Key Personnel	NA	Section 3.3.1	yes	7 - 9
Key Personnel Resume – DB Project Manager	Attachment 3.3.1	Section 3.3.1.1	no	A-5
Key Personnel Resume – Quality Assurance Manager	Attachment 3.3.1	Section 3.3.1.2	no	A-7
Key Personnel Resume – Design Manager	Attachment 3.3.1	Section 3.3.1.3	no	A-11
Key Personnel Resume – Construction Manager	Attachment 3.3.1	Section 3.3.1.4	no	A-13
Key Personnel Resume – Lead Structural Engineer	Attachment 3.3.1	Section 3.3.1.5	no	A-15
Organizational chart	NA	Section 3.3.2	yes	11
Organizational chart narrative	NA	Section 3.3.2	yes	10
<b>Experience of Offeror's Team</b>				
Lead Contractor Work History Form	Attachment 3.4.1(a)	Section 3.4	yes	12
		Section 3.4	no	A-17 – A-19

**ATTACHMENT 3.1.2**

**0581-128-109, P101, RW201, C501, B627**

**STATEMENT OF QUALIFICATIONS CHECKLIST AND CONTENTS**

(Revised December 05, 2011)

Statement of Qualifications Component	Form (if any)	RFQ Cross reference	Included within 20-page limit?	SOQ Page Reference
Lead Designer Work History Form	Attachment 3.4.1(b)	Section 3.4	no	A-20 – A-22
<b>Project Risk</b>				
Identify and discuss three critical risks for the Project	NA	Section 3.5.1	yes	16 - 20



Form C-78-RFQ

**ATTACHMENT 2.10**

**COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF TRANSPORTATION**

**RFQ NO.** C00016595DB01  
**PROJECT NO.:** 0581-128-109, P101, RW201, C501, B627

**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 10/11/2011  
(Date)
- 2. Cover letter of \_\_\_\_\_  
(Date)
- 3. Cover letter of \_\_\_\_\_  
(Date)

 SIGNATURE      12/9/11 DATE



**ATTACHMENT 3.3.1**

**KEY PERSONNEL RESUME FORM**

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

a. Name & Title: **RICHARD A. McDONOUGH / DISTRICT MANAGER**

b. Project Assignment: **DESIGN-BUILD PROJECT MANAGER**

c. Name of Firm with which you are now associated: **LANE CONSTRUCTION**

d. YEARS EXPERIENCE: With this firm: **5 years** With other firms: **27 years**  
Please list chronologically your employment history, position, and general experience or fields of practice for the last fifteen (15) years:

**The Lane Construction Corporation, 2009 – Present: District Manager** – Responsible for the construction operations in Virginia. Responsible for overall administration of projects, addresses project issues, communicates design progress to owners, adheres to project schedules. Interacts with the Construction Manager, the Owner, and all other involved stakeholders regarding the progress of construction, schedule, budget, quality control, and safety. He has managed/led construction for more than 30 miles of highway and 36 bridges.

**The Lane Construction Corporation, 2006 – 2009:** Rich joined The Lane Construction Corporation as a Project Manager through the Moore Brothers acquisition in October 2006. He was promoted to Assistant District Manager in December 2007. Assisted with Lane Mid-Atlantic operations and Virginia Sign and Lighting company (division of Lane), in addition to Project Manager responsibilities for Linton Hall Road and Design Build Project Manager for Gilberts Corner Traffic Calming, VA. Participated in development of new projects for construction, negotiations with Owners, and plan development. Responsible for overall administration of projects, addresses project issues and takes corrective actions as necessary, communicates design progress to owners, adheres to project schedules. Interacts with the Construction Manager, the Owner, and all other involved stakeholders regarding the progress of construction, schedule, budget, quality control, and safety.

**Moore Brothers Construction, 1996 – 2006: Vice President of Operations** - Responsible for field operations: 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.

e. Education: Name & Location of Institution(s)/Degree(s)/Year Specialization  
BS/ 1979/ Civil Engineering/ Virginia Military Institute

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

- Virginia Transportation Construction Alliance (VTCA) Board Member (1999–2010)
  - Served as VTCA President (2007–2008)
  - Serves on the VTCA/VDOT Design-Build Subcommittee (2007–Present)

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

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

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

**Project: Sudley Manor Drive Design-Build Project, Prince William County, VA (DESIGN-BUILD PROJECT)**

**Name of Firm: Lane Construction**

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

**Project Role: Project Manager**

**Responsibilities:** Project Manager for this \$26M contract for design-build of roadway improvements. Major project elements consisted of three bridges, replacement of substandard 2-lane roadway with a new 4-lane divided highway and new multi-use trails. The work completely reconstructed the 2-lane secondary road into a 4-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.

As the Senior Project Manager, he was responsible for the project(s) budget and schedule milestones; regular coordination with Prince William County staff; allocation of construction resources, both manpower and equipment; overseeing subcontractors; coordination and synchronization of work packages; and, most importantly, supervision and enforcement of quality control and safety measures. Worked with the project sponsor's designers providing input to the design for constructability, maintenance of traffic, value engineering concepts and cost. Responsible for overall administration for construction of project. Accountable for addressing all project construction issues and taking proactive measures to ensure issues did not impede progress of the project schedule. Interacted with the Construction Manager, the owner, and all other involved stakeholders regarding the progress of construction, schedule, budget, quality control, and safety.

## ATTACHMENT 3.3.1

### KEY PERSONNEL RESUME FORM

**Project:** **VDOT Route 50 Traffic Calming Improvements Project [Gilberts Corner Roundabouts], Loudoun County, VA (DESIGN-BUILD PROJECT)**

**Name of Firm:** **Lane Construction**

**Start Date:** **2007**

**Finish Date:** **2009**

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

**Responsibilities:** Design-Build Project Manager of this innovative \$13 million dollar design-build 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 congested commuter corridor. As Design-Build Project Manager, his responsibilities included overall administration of project, which included Design, Public Relations and Quality Management. Was also responsible for chairing weekly coordination meetings between Lane Construction and VDOT to maintain a homogeneous work effort for design, construction, schedule and permitting. Accountable for addressing all project issues and taking proactive measures to ensure unforeseen conflicts and problems do not impede progress of the project schedule. Interacted with Construction Manager, the Owner, and all other involved stakeholders regarding the progress of construction, schedule, budget, control, and safety

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

**Name of Firm:** **Moore Brothers**

**Start Date:** **2004**

**Finish Date:** **2006**

**Project Role:** **Executive Sponsor**

**Responsibilities:** Executive Sponsor for \$30 million dollar new I-95 interchange with primary road improvements for the new Stafford Airport. Facilitated, supported and participated in the formal Partnering process of the project to improve project communications, relations and problem solving. Led the effort for several construction Value Engineering Proposals which resulted in financial savings and schedule improvements. Responsible for all facets of field management, project supervision oversight and direct supervision of bridge superintendents for construction of four bridges. Interacted with senior construction managers, Owner relations, negotiated change orders, budget, and safety.

**Project:** **VDOT I-66 HOV Lane [Widening], Prince William County, VA**

**Name of Firm:** **Moore Brothers**

**Start Date:** **2003**

**Finish Date:** **2006**

**Project Role:** **Executive Sponsor**

**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 four lane interstate and four new lanes. Project included highway, geotechnical work, hydraulics, hydrology and erosion control, permitting, utility coordination, project management and construction. As Executive Sponsor, he supervised project staffing, provided input to estimating costs and budget review and made recommendations for means and methods of construction. In addition, he facilitated, supported and participated in the formal Partnering process of the project to improve project communications, relations and problem solving on the project. Led the effort for several construction Value Engineering Proposals which resulted in financial savings and schedule construction Value Engineering Proposals which resulted in financial savings and schedule improvements. Supervised senior project staff, negotiations with the Owner, estimating, budget, and input for means and methods of construction. Direct supervision of superintendents and subcontractors for all structure construction to include bridges, retaining walls and shoring for support of excavation.



**ATTACHMENT 3.3.1**

**KEY PERSONNEL RESUME FORM**

aspects of Mr. Hamed's responsibilities included: identifying and communicating with stakeholders and encouraging team member to communicate, identifying the need for extra work, reviewing and negotiating work order prices, and providing Responsible Charge oversight to ensure that each project was constructed in conformance with the plans, specifications and standards. Mr. Hamed also provided input to the Preliminary Engineering process by attending various meetings to address unique project specific problems. He was responsible for the project budget during the Construction Phase, monitored expenditures in Site Manager and FMS II, and compared them to the budgeted amounts on a monthly basis. Mr. Hamed provided Leadership that set the tone for a positive and productive work environment, with a staff consisting of a Staff Assistant, Construction Project Managers, VDOT Inspectors, and Consultant Inspectors.

Name of Firm: Virginia Department of Transportation, Salem District, Virginia

Start Date: 8/2004 End Date: 5/2005

**Position: Project Manager**

Responsibilities: In this role, Mr. Hamed provided constructability, E&S and safety reviews for several projects in various phases including design and construction. He also provided project management and engineering analysis on a variety of projects, including the consultant design of the I-81 Lighting Project, Montgomery County, Virginia and the design and construction of the Stony Creek Emergency Contract, Giles, County, Virginia.

Name of Firm: HNTB Corporation, Patrick County, Virginia

Start Date: 3/2004 End Date: 7/2004

**Position: Resident Engineer (PPTA Project)**

Responsibilities: In this role, Mr. Hamed's duties included: documenting progress, providing reports to various design/build stakeholders, including VDOT, the prime contractor (Branch Highways), and the design office of HNTB. Mr. Hamed performed E&S inspections, recommended E&S preventive measures, coordinated problems and permits with DEQ, Corps of Engineers, and VDOT, and also collected and forwarded data required by DEQ and Corps of Engineers, including pH, temperature, dissolved oxygen, etc. He documented that the work met the proper VDOT specifications and standards, and documented, logged, tracked and forwarded any nonconforming items. Mr. Hamed provided interpretation and clarification of plans and specifications by coordinating closely with the design engineer. He also provided engineering support and analysis for a wide range of problems with varying degrees of complexity, including undercut depths, drilled shaft modifications, and additional under drain requirements.

Name of Firm: Louis Berger Group, Inc., Christiansburg, Virginia

Start Date: 4/1999 End Date: 1/2004

**Position: Project Manager/Project Engineer**

Responsibilities: In this role, Mr. Hamed's primary duty was to lead a team of consultant inspectors during the construction of a \$40 million bypass highway with approximately 12 lane miles of new alignment and seven new bridges. He and his team documented that the project was constructed in accordance with the plans, specifications and the contract. He monitored the contractor's work with respect to schedule, cost and quality. Mr. Hamed was responsible for recommending solutions to problems, corrections for deficiencies encountered, acceptance or rejection of work, changes and extras. He was also responsible for preparation of monthly project progress reports for the Owner. Other project responsibilities included directing the daily activities of 10 project inspectors, all project administration, maintaining daily log and reports, reviewing and assessing alternate work methods, preparation of Contractor's monthly pay estimate, and monitoring workmanship, quality and safety. He also provided claims review, Notice of Intent analysis, cost analysis of work orders, and review of safety plans.

Name of Firm: Vecellio and Grogan, Inc., Beckley, West Virginia

Start Date: 1996 End Date: 4/1999

**Position: Project Engineer**

Responsibilities: In this role, Mr. Hamed supported field and office operations in a variety of assignments including: performed takeoffs, negotiated waste/borrow agreements, exploratory excavation and drilling, and other duties associated with estimating support. In the field he developed and managed an MS Access data base to record, track and report on production data. He also reviewed monthly estimates, ordered materials/parts, supported day-to-day blasting and hauling operations, monitored and repaired traffic controls, interfaced with project inspectors, submitted shop drawings, and prepared/updated CPM schedules.

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

**University of Idaho/BS/1990/ Civil Engineering**

f. ACTIVE REGISTRATION: Year First Registered/Discipline/VA Registration #:

**2004/VA Professional Engineer/039327**

WV Professional Engineer/012756 and WV Professional Land Surveyor/1574

## ATTACHMENT 3.3.1

### KEY PERSONNEL RESUME FORM

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

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

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

**Project: I-81 Truck Climbing Lanes, Montgomery County, Virginia (DESIGN-BUILD)**

Name of Firm: NXL Construction Services, Inc.

Start Date: 5/2011 Finish Date: Present (completion anticipated in 2013)

Project Role: Quality Assurance Manager

Responsibilities: This \$75 million project consists of adding an additional lane onto I-81 through five miles of rugged terrain. The project scope includes drainage, grading, paving, demolition/reconstruction of two overpass bridges, phased demolition/construction of one mainline bridge, retaining walls, guardrails, and related appurtenances. As the Quality Assurance Manager, Mr. Hamed provides QA Inspection and Testing for the CH2M Hill Construction team. Services include performance of QA testing and inspection in accordance with VDOT's August 2008 Design Build Guidelines and the project's approved Quality Assurance and Quality Control Plan, the preparation, maintenance and submission of associated project documentation including but not limited to diaries, EEO, materials notebook/documentation, as-built sketches, monthly pay documents including verifying and approving monthly pay packages, and preparation and submission of final records. Attends monthly progress meetings, documents non-conforming work, assures and documents that non-conforming work is addressed through approved methods of correction. Coordinates with the QC Manager, Construction Manager, Project Managers (CH2M Hill and VDOT) on a variety of issues related to quality, schedule, and payment.

Client/Owner Contact: Richard Caywood, PE, VDOT Salem District Administrator (540) 387-5320

**Project: Rt-60/Main Street Bridge Replacement, Clifton Forge, Virginia.**

Name of Firm: NXL Construction Services, Inc.

Start Date: 5/2011 Finish Date: Present (completion anticipated in 2012)

Project Role: Quality Assurance Manager

Responsibilities: A unique bridge replacement project in that the bridge superstructure abuts commercial buildings on both sides requiring careful consideration of demolition, construction and maintaining public access to buildings. The scope of the project includes complete demolition of existing bridge, reconstruction of the bridge and approaches, a signal light, protection of Smith Creek, and associated traffic management plan. As the Quality Assurance Manager, Mr. Hamed provides QA Inspection and Testing for the Orders Construction team. Services include performance of QA testing and inspection in accordance with VDOT's August 2008 Design Build Guidelines and the project's approved Quality Assurance and Quality Control Plan, the preparation, maintenance and submission of associated project documentation including but not limited to diaries, EEO, materials notebook/documentation, as-built sketches, monthly pay documents including verifying and approving monthly pay packages, and preparation and submission of final records. Attends monthly progress meetings, documents non-conforming work, assures and documents that non-conforming work is addressed through approved methods of correction. Coordinates with the QC Manager, Construction Manager, Project Managers (Orders and VDOT) on a variety of issues related to quality, schedule, and payment.

Client/Owner Contact: Randy Kiser, PE, VDOT Staunton District Administrator (540) 332-9092

**Project: Region 3 Multiple Bridge Rehabilitation Project; Staunton District, Culpeper District, and NOVA District, VA**

Name of Firm: NXL Construction Services, Inc.

Start Date: 5/2011 Finish Date: Present (Completion anticipated 2012)

Project Role: Quality Assurance Manager

Responsibilities: Regional VDOT/ARRA Design/Build Bridge Rehabilitation project comprised of 23 bridges located in three VDOT Districts with a duration of approximately 22 calendar months of construction-related activities requiring QA Inspection and Testing for the Infrastructure Corporation of America, Inc. (ICA) Team. Mr. Hamed serves as the project's Quality Assurance Manager. Services include performance of QA testing and inspection in accordance with VDOT's August 2008 Design Build Guidelines and the project's approved Quality Assurance and Quality Control Plan, the preparation, maintenance and submission of associated project documentation including but not limited to diaries, EEO, ARRA, materials notebook/documentation, as-built sketches, monthly pay documents including verifying and approving monthly pay packages, and preparation and submission of final records. Attends monthly progress meetings, documents non-conforming work, assures and documents that non-conforming work is addressed through approved methods of correction. Coordinate with the QC Manager, Construction Manager, Project Managers (ICA and VDOT), and Design Project Manager on a variety of issues related to quality, schedule, and payment.

Client/Owner Contact: David A. Steele, PE, VDOT Innovative Project Delivery Division (804) 371-6787

## ATTACHMENT 3.3.1

### KEY PERSONNEL RESUME FORM

**Project: US Route 460 Christiansburg Bypass, Montgomery County, Virginia**

Name of Firm: The Louis Berger Group

Start Date: 5/1999 Finish Date: January 2004

Project Role: Consultant Project Manager

Responsibilities: This \$40 million project provided a 4-lane bypass with 12 lane-miles on new alignment, two new major interchanges connecting to urban streets, and renovation of the urban streets. The scope of the project included grading, drainage, seven new bridges, paving, sound walls, traffic signals, retaining walls, guardrail, utility relocation, railroad coordination, and appurtenances. Mr. Hamed managed a team of approximately 10 consultant inspectors to document that the project was constructed in accordance with the plans, specifications, and applicable standards. He monitored the contractor's work with respect to schedule, cost and quality. Mr. Hamed was responsible for recommending solutions to problems, corrections for deficiencies encountered, acceptance or rejection of work, changes and extras. He was also responsible for preparation of monthly project progress reports for the Owner. Other project responsibilities included directing the daily activities of the project inspectors, project administration, maintaining daily log and reports, reviewing and assessing alternate work methods, preparation of Contractor's monthly pay estimate, and monitoring workmanship, quality and safety. He also provided claims review, Notice of Intent analysis, cost analysis of work orders, and review of safety plans. Mr. Hamed coordinated with a host of stakeholders including the VDOT Christiansburg Residency, the Contractor Project Manager, Salem District Bridge Office, Salem District Traffic Engineering, Town of Christiansburg, Montgomery County, and utility owners.

Client/Owner Contact: Richard Caywood, PE, VDOT Salem District Administrator (540) 387-5320

ATTACHMENT 3.3.1

**KEY PERSONNEL RESUME FORM**

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

a. Name & Title: **JEFFREY L. GAGNÉ, PE, DBIA | VICE PRESIDENT**

b. Project Assignment: **Design Manager**

c. Name of Firm with which you are now associated: **STV**

d. YEARS EXPERIENCE: With this firm: **18 years** With other firms: **4 years**  
Please list chronologically your employment history, position, and general experience or fields of practice for the last fifteen (15) years:

**Jeff is a designated design-build professional with more than 20 years experience in alternative delivery projects. He currently serves as Vice Chairman of the Design-Build Institute of Americas Certification Board. Jeff has successfully managed transportation design-build projects including design services in roadway, roadway drainage, structures, survey, permitting, right-of-way acquisition, public involvement and construction coordination.**

**STV/Ralph Whitehead Associates, Dec 2006 – Present:** Jeff serves as Vice President and Design-Build Practice Leader, managing the firm’s transportation design-build practice. Additionally, Jeff serves as the NC Transportation Manager and oversees the North Carolina business practice for the Southeast Region of the firm, and is a Design Project Manager on design-build transportation projects throughout the southeast.

**STV/Ralph Whitehead Associates, Jan 2002 – Dec 2006:** Jeff served as Vice President, Construction Services, managing the firm’s construction services business practice. Duties and responsibilities during this period included oversight of the firm’s design-build practice managing the relationship between the firm and more than 65 general contractors throughout the Southeast Region. Jeff served as Design Project Manager on several design-build projects during this period.

**STV/Ralph Whitehead Associates, May 1993 – Jan 2002:** Jeff started his career with the firm designing bridges and structures for projects throughout the southeast as a Design Engineer / Project Engineer / Project Manager, Transportation Projects. Most of the projects Jeff has been involved with have been turn-key and design-build projects both on the private developer and public transportation sector. As Jeff’s experience increased he was promoted into roles such as Project Engineer and ultimately Project Manager during this period of his career with the firm. Responsibilities including design, project oversight and project management have all been part of his role over the years on various transportation projects including, bridge, highway and freight railroad projects.

e. Education: Name & Location of Institution(s)/Degree(s)/Year Specialization  
**University of North Carolina at Charlotte (NC)/Bachelor of Science/ 1993/Civil Engineering Technology**

f. ACTIVE REGISTRATION: Year First Registered/Discipline/VA Registration #:  
**2001/Professional Engineer/Virginia #033892**

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

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

**Project: I-77 D-B Widening, Charlotte ( Rea Contracting, a subsidiary of Lane) (DESIGN-BUILD PROJECT)**

Name of Firm: STV

Start Date: 2002

Finish Date: 2006

Project Role: STV Design Manager

*Responsibilities:* Provided engineering design for this \$84 million, design-build roadway widening project in Mecklenburg County, NC. Mr. Gagné managed engineering services for three miles of roadway design and geometrics, roadway drainage design, three bridge structures and two sound barrier walls, and coordination of structure design during construction. This project was the first major roadway design-build project by the North Carolina Department of Transportation (NCDOT) and received two awards for safety in 2002.

**Project: US 64 Knightdale Bypass D-B (North Carolina Constructors a JV of Flatiron & Lane) (DESIGN-BUILD PROJECT)**

Name of Firm: STV

Start Date: 2002

Finish Date: 2006

Project Role: STV Design Manager

*Responsibilities:* Oversaw engineering services for this \$131 million design-build project including 9.6 miles of 6-lane interstate

## ATTACHMENT 3.3.1

### KEY PERSONNEL RESUME FORM

standard highway along the new alignment of U.S. 64 Bypass in Raleigh, NC. Mr. Gagné managed engineering services including three miles of roadway design and geometrics, the design of five bridge structures and a retaining wall design, and design coordination during construction.

**Project: SCDOT Palmetto Parkway Phase I, D-B (previously known as Bobby Jones Expressway) (DESIGN-BUILD PROJECT)**

*Name of Firm:* STV

*Start Date:* 2002

*Finish Date:* 2004

*Project Role:* STV Design Manager

*Responsibilities:* Oversaw engineering services for this \$43 million design-build including 4.2 miles of Interstate I-520 on new alignment from Aiken, SC, over the Savannah River into Augusta, GA. Mr. Gagné managed the design of four bridge structures and provided services during construction. The project was fast-tracked to open to traffic during highway construction in progress.

**Project: I-85 D-B Widening over Yadkin River (JV of Flatiron & Lane) (DESIGN-BUILD PROJECT)**

*Name of Firm:* STV

*Start Date:* 2010

*Finish Date:* 2013 (estimated)

*Project Role:* STV Principal in Charge

*Responsibilities:* Principal in Charge with STV, the lead designer in this joint venture for NCDOT, for the widening of a 3-mile-long stretch of interstate from four to eight lanes with six new bridges, including 3,000-foot-long dual bridges spanning the Yadkin River, wetlands, and railroad tracks for Norfolk Southern and the North Carolina Railroad. The project also entails major reconstruction of the U.S. 29/70 and NC 150 interchange, relocating it from north of S.R. 2120 to south of the existing NC 150 flyover bridge. STV is responsible for the design of all bridges, retaining and noise walls, and is using load and resistance factor design (LRFD) code.

**Project: NCDOT U.S. 29 D-B Widening (DESIGN-BUILD PROJECT)**

*Name of Firm:* STV

*Start Date:* 2004

*Finish Date:* 2006

*Project Role:* STV Principal in Charge

*Responsibilities:* STV Principal in Charge oversaw this \$9.2 million design-build project to widen a half mile of US 29 in Guilford County, NC, including the staged construction bridge replacements on US 29 over NC 6 and McConnell Road over US 29. The project included right-of-way acquisition, roadway and hydraulic design, traffic control and pavement parking plans, erosion control, utility coordination, and CE&I services.

**ATTACHMENT 3.3.1**

**KEY PERSONNEL RESUME FORM**

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

a. Name & Title: **JERRY G. BROWN / PROJECT MANAGER**

b. Project Assignment: **Construction Manager**

c. Name of Firm with which you are now associated: **LANE CONSTRUCTION**

d. YEARS EXPERIENCE: With this firm: **37 years** With other firms: **0 years**  
Please list chronologically your employment history, position, and general experience or fields of practice for the last fifteen (15) years:  
**The LANE Construction Corporation, 1996 - Present:** Jerry is a seasoned construction veteran with over 30 years of experience all as an employee of Lane Construction. During his service with Lane, Jerry has worked his way from an Assistant Superintendent to his present position as a Senior Project Manager. As a Senior Project Manager, Jerry is in charge of the general day-to-day activities of the project. His duties include working with the owner, senior management, and subcontractors. He is responsible for the implementation and adherence to all safety and quality measures by construction staff (including safety measures for the travelling public through work zones) on construction projects as well as maintaining schedule milestones, organizing manpower, managing the project budget and delivering the project on time or ahead of schedule.

e. Education: Name & Location of Institution(s)/Degree(s)/Year Specialization  
BS/ 1974/ Civil Engineering/ Clarkson College

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

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

**Project: I-495 Capital Beltway (HOT Lanes) (DESIGN-BUILD PROJECT)**  
**Name of Firm: Lane Construction**  
**Start Date: 2008** **Finish Date: Present**  
**Project Role: Senior Project Manager**

**Responsibilities:** Lane is a 35% Joint Venture Partner with Fluor on this high profile, \$1.5 billion design-build project for VDOT. Construction on the HOT Lanes project consists of four new general purpose on the HOT lanes (two in each direction) on the outside of the existing lanes of the Capital Beltway, the reconstruction of ramps, interchanges, frontage roads, over passes and underpasses, bridges, and other necessary crossings. In addition, the project includes the installation of the electronic toll and traffic management facilities and systems necessary and appropriate for the operation of the HOT Lanes (including an Open Road Tolling System and Advance Transportation Management System (ATMS)) and all other facilities and improvements required for the opening and operation of the HOT Lanes.

As the Senior Project Manager on this project, he is responsible for frequent and regular coordination with VDOT (owner) staff, J-V partner (Fluor) and Lane senior management, other HOT Lanes project management personnel, adjacent project personnel, local emergency services agencies, the numerous subcontractors and engineering design consultants involved in this project. His responsibilities also include managing the project schedule and budget, the manpower allocation for project performance and MOT for this high profile and predominantly nighttime construction project. His duties also include public involvement responsibilities – keeping both the travelling public advised of lane closures and conditions in work zones as well as interaction with affected local communities, homeowners and businesses with regard to construction activities. The HOT Lanes project is on schedule and scheduled for completion in 2013.

**Project: Washington-Dulles International Airport 4th Runway and Associated NAVAIDS, VA**  
**Name of Firm: Lane Construction**  
**Start Date: 2007** **Finish Date: 2008**  
**Project Role: Senior Project Manager**

**Responsibilities:** Lane was the prime contractor for the construction of a new runway, taxiways, and deicing pad at Dulles International Airport. The project was broken into two contracts, and earthwork package (\$43M) and a paving package (\$148M).

The earthwork package included 2,300,000 cubic yards of unclassified excavation, which was placed as embankment and the grading excavation, which was placed as embankment. The grading of the runway, taxiways, de-ice pad, and perimeter roads required more

## ATTACHMENT 3.3.1

### KEY PERSONNEL RESUME FORM

than 675 acres of clearing and grubbing, 525,000 cubic yards of topsoil tripping, 15,300 linear feet of reinforced concrete pipe, thirteen box culverts of various sizes totaling 4,700 linear feet, 22,000 linear feet of fencing. The paving package included the pavement of 610,000 SY of 17-inch PCC Pavement, 60,000 SY of Asphalt Concrete shoulder and access roads, 883,700 SY of 6-inch Cement Treated Base Course, NAVAIDS, and lighting.

As the Senior Project Manager, he was responsible for the project(s) budget and schedule milestones; regular coordination with MWAA staff; allocation of construction resources, both manpower and equipment; overseeing subcontractors; coordination and synchronization of work packages; and, most importantly, supervision and enforcement of quality control and safety measures.

**Project:** Washington Dulles International Airport Runway 12-30, Dulles, VA

**Name of Firm:** Lane Construction

**Start Date:** 2006

**Finish Date:** 2008

**Project Role:** Senior Project Manager

**Responsibilities:** The Metropolitan Washington Airports Authority contracted with Lane on this \$21.6 million project to completely reconstruct this east/west, 10,000-foot runway at Dulles International Airport. The reconstruction included pavement demolition, Portland Cement Concrete (PCC) paving, isolated slab repairs on a high speed taxiway, pavement grooving, shoulder work to allow the pavement construction and grade transitions, pavement marking, under-drains and the placement of runway centerline, edge and touchdown lighting.

As the Senior Project Manager, he was responsible for project schedule and budget in addition to coordination with MWAA staff and subcontractors, management of human and equipment/materials resources, and, quality control and safety enforcement. The entire project was completed in 5 months earning the company an early completion bonus as well as an Award of Merit from Mid-Atlantic Construction Magazine.

**Project:** Hartsfield-Jackson Atlanta International Airport Runway 10-28 Paving, Lighting, and Marking  
Atlanta, GA

**Name of Firm:** Lane Construction

**Start Date:** 2005

**Finish Date:** 2006

**Project Role:** Senior Project Manager

**Responsibilities:** This \$62 million project consisted of the construction of the airport's 5th runway (which stretches an overall length of approximately 1.7 miles), a service building, as well as the adjacent taxiways, connectors, and haul/service roads that will serve the airport. Lane was responsible for tying into the existing airport taxiways, as well as both ends of a runway bridge that span over the existing I-285 highway. The construction itself called for over 220,000 cubic yards of concrete paving, the installation of over 3000 each underdrain/lighting cans, 434,100 square yards of soil cement, 78,500 tons of asphalt paving, 272,000 cubic yards of excavation, and 123,000 lineal feet of PVC pipe.

As Senior Project Manager, he was responsible for both regularly scheduled construction reviews as well as field meetings with MWAA (owner) staff, coordination and allocation of Lane personnel and equipment assets, and quality control and safety supervision.

**Project:** I-395/495 Springfield Interchange Improvements, Phase V, Springfield, VA (**DESIGN-BUILD PROJECT**)

**Name of Firm:** Lane

**Start Date:** 2001

**Finish Date:** 2004

**Project Role:** Project Manager / Senior Project Manager

**Responsibilities:** Lane was lead constructor for Phase V of the Springfield "Mixing Bowl" Interchange, a \$75 million major highway and bridge contract for the Virginia Department of Transportation (VDOT). This complex interchange involved the construction of five (5) new multi-span bridges and reconstruction and widening of two existing bridges with four cast-in-place retaining walls totaling 14,591 cubic meters of structural concrete.

First as a Project Engineer, his responsibilities included project budget and scheduling coordination with Lane project management as well as quality control and safety duties. He was promoted to Senior Project Manager in 2002 and took on increasing managerial accountability and tasks in the areas of personnel apportionment and scheduling, additional public involvement assignments, and regular direct coordination with project owner (VDOT).

**ATTACHMENT 3.3.1**

**KEY PERSONNEL RESUME FORM**

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

a. Name & Title: **RONALD BRIGGS, PE | Transportation Group Leader/Project Manager**

b. Project Assignment: LEAD STRUCTURAL ENGINEER

c. Name of Firm with which you are now associated: **STV**

d. YEARS EXPERIENCE: With this firm: **26 years** With other firms: **10 years**  
Please list chronologically your employment history, position, and general experience or fields of practice for the last fifteen (15) years:  
**STV/Ralph Whitehead Associates, 2005 -Present:** Ron serves as the Transportation Group Leader/Project Manager, Structural Engineer in Richmond, VA office. Ron's experience has included all aspects of bridge design including design, plan development, quality control and project management of numerous bridge projects ranging from single span structures to complex multiple-span structures.

**STV/Ralph Whitehead Associates, 1996 - 2005:** Ron served as the Richmond Office Manager, Structural Engineer in Richmond, VA office providing design and project management for bridge design. (Ron has worked for STV since 1985.)

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

**University of Virginia /Master of Science/1981 Civil Engineering**

**Virginia Polytechnic Institute/State University/Bachelor of Science/1975/Civil Engineering**

f. ACTIVE REGISTRATION: Year First Registered/Discipline/VA Registration #:

**Virginia 1979/Professional Engineer/#0402011415**

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

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

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

**Project: Route 1 Bridge over Potomac Yard and Pedestrian Connection/Alexandria, VA/City of Alexandria (DESIGN-BUILD PROJECT)**

Name of Firm: STV

Start Date: 2005

Finish Date: 2007

Project Role: STV Project Manager

*Responsibilities:* Project Manager for major highway curved steel girder bridge as part of a Developer Design-Build project with Shirley Contracting (835 feet long, with spans up to 241 feet). Bridge construction cost estimated at \$15 million. Provided alternative design concepts for the pedestrian connection to the new Route 1 (Monroe Avenue) Also provided handicapped-accessible access from the bridge to the recreational areas below.

**Project: Hampton Boulevard/Norfolk, VA/VDOT**

Name of Firm: STV

Start Date: 1997

Finish Date: Present

Project Role: STV Project Manager

*Responsibilities:* Project Manager for design of railway bridge, highway bridge, depressed roadway including retaining walls, pump station and ballfield relocation plans. Conducted citizen workshops during public participation phase. Coordinated with VDOT, City of Norfolk, Navy, VA Port, NPBL Railroad and Norfolk Southern Railroad during design. The \$38 million project is currently under construction.

## ATTACHMENT 3.3.1

### KEY PERSONNEL RESUME FORM

**Project: CSXT over Quantico Creek/Quantico, VA/VRE**

*Name of Firm:* STV

*Start Date:* 1999

*Finish Date:* 2007

*Project Role:* STV Project Manager

*Responsibilities:* Project Manager for both design and construction of a 1,753-foot-long, two-track bridge carrying freight and commuter rail traffic. Bridge construction cost was \$15.8 million.

**Project: Southwest Suffolk Bypass/Suffolk, VA/VDOT**

*Name of Firm:* STV

*Start Date:* 1994

*Finish Date:* 1998

*Project Role:* STV Project Manager

*Responsibilities:* STV Project Manager for design of five structures including 1,000-foot +/- dual prestressed concrete beam bridges carrying the bypass over Lake Kilby, dual curved steel girder bridges carrying the bypass over NS Railroad and widening plans for the Route 58 bridge over NS and CSXT Railroads on both sides. Construction cost estimate (all bridges) was \$12.1 million.

**Project: Route 30 over North Anna River/Caroline County, VA/VDOT**

*Name of Firm:* STV

*Start Date:* 2005

*Finish Date:* 2006

*Project Role:* STV Project Manager

*Responsibilities:* Project Manager for the design of a four-span prestressed concrete bulb T-beam bridge continuous for live load. Bridge construction cost estimated at \$2.0 million.



LEAD CONTRACTOR - WORK HISTORY FORM

Work by Lead Contractor - three (3) projects which best illustrate current qualifications relevant to this Project.							
a. Project Name & Location	b. Narrative describing nature of Firm's Responsibilities	c. Client/Owner/Project Manager who Can Verify Firm's Responsibilities. Include address and current phone number.	d. Contract Completion Date (Original)	e. Contract Completion Date (Actual)	f. Estimated Value (in thousands)		
					Original Contract Value	Final or Estimated Contract Value	Dollar Value of Work for Which Firm Was/Is Responsible
<p><b>LANE</b> Project 1</p>	<p><b>PROJECT SCOPE</b> Lane Construction completed a bridge and roadway for the widening of an 8.1-mile segment of I-77 in Mecklenburg County, NC, as part of a design-build team for the North Carolina Department of Transportation (NCDOT). Extensive ITS was included in the contract (\$5.4 mil), CEI, as well as guardrails, seeding, erosion control, pavement markings and over \$4 million in signage. Lane was also responsible for excavation, grading, drainage, construction of bridge, box culverts, stream alignments, sound walls, highway, MOT and asphalt paving.</p> <p>Engineering services provided by STV included hydraulic design, erosion control, coordination of additional surveys, and coordination of structures during construction. Lane selected a compressed schedule strategy as part of the team's best value approach to the project. STV also provided hydraulic and structural services, including bridge plans, for the widening of the Harris Boulevard Bridge over I-77, the northbound I-85 ramp bridge over I-85 at the I-77/I-85 interchange, the I-77 bridge over southbound I-77 HOV lane, and various noise and retaining walls.</p> <p>The project required close coordination with the future I-485 interchange, which included revised ramp/loop alignments and profiles to match the mainline alignment and profile. To minimize impacts to traffic during construction, a special construction vehicle access ramp in the I-77 median to meet with Harris Boulevard Bridge provided access for construction vehicles to operate without impeding traffic on the interstate. The access ramp allowed hauling to 90% of the length of the project and 25,000 loads of material were moved into the median without impeding interstate traffic. This safety measure significantly reduced construction traffic on this heavily traveled access route into the City of Charlotte.</p> <p><i>This successful project represented the first major roadway design-build project undertaken by NCDOT.</i></p>	<p>NCDOT-Alternative Delivery Unit 1020 Birch Ridge Drive Raleigh, NC 27610</p> <p>Rodger Rochelle, Director of the Transportation Program Management Unit (919) 707-6601</p>	2003	2005	\$70,900	\$84,000	\$84,000
<p><b>I-77 DESIGN-BUILD</b> Mecklenburg County, NC</p> <p><b>DELIVERY METHOD:</b> <b>DESIGN-BUILD</b></p> <p><b>CONTRACTOR: THE LANE CONSTRUCTION CORPORATION</b></p> <p><b>DESIGNER:</b>  STV</p> <p><b>RELEVANCE TO I-581 VALLEY VIEW INTERCHANGE PROJECT:</b></p> <ul style="list-style-type: none"> <li>LIMITED ACCESS HIGHWAY INTERCHANGES</li> <li>BRIDGES</li> <li>SOUND WALLS</li> <li>UTILITIES</li> <li>SPECIAL MOT CONSIDERATIONS</li> <li>STAGED CONSTRUCTION</li> <li>STREAM REALIGNMENT</li> </ul>	<p>Winner of the National Asphalt Pavement Association 2009 Quality of Construction Award</p>						

The access ramp (above) earned both the 2002 NAPA National Work Zone Safety award and the 2002 ARTBA National Work Zone Safety Innovation award

LEAD CONTRACTOR - WORK HISTORY FORM

Work by Lead Contractor - three (3) projects which best illustrate current qualifications relevant to this Project.							
a. Project Name & Location	b. Narrative describing nature of Firm's Responsibilities	c. Client/Owner/Project Manager who Can Verify Firm's Responsibilities. Include address and current phone number.	d. Contract Completion Date (Original)	e. Contract Completion Date (Actual)	f. Estimated Value (in thousands)		
					Original Contract Value	Final or Estimated Contract Value	Dollar Value of Work for Which Firm Was/Is Responsible
<p><b>LANE</b> Project 2</p>	<p><b>PROJECT SCOPE</b> Joint venture partner for the complete design and construction of a new 15.51 kilometer limited access highway with 22 bridge structures, grading, drainage, erosion control, paving and relocation of utilities.</p> <p><b>PROJECT DESCRIPTION</b> North Carolina Constructors (Joint-venture partners Lane and Flatiron) constructed a 6-lane freeway approximately 15.51 kilometers in length to bypass the busy route US 64 just east of Raleigh, NC. The work for the project included design, construction, construction engineering, and management of the new location 6-lane freeway project. Along with erosion and sediment control measures to protect the numerous wetland and waterways throughout the project, construction included moving more than three million cubic meters of earth, 220,000 cubic meters of rock excavation, 22 bridge structures over side roads and waterways and major drainage and utility coordination for the new highway alignment. Extensive traffic control measures were utilized at the east end of the project to stage construction around the busy interchange of the existing US 64.</p> <p>Construction engineering and management included the quality control and quality assurance for the entire project. A major set of twin structures over the Norfolk-Southern Railroad required coordination and design considerations to build the permanent structures over the active line without interruption to rail traffic. The final pavement design included more than 89,000 cubic meters of 290mm jointed concrete pavement and 278,000 metric tons of bituminous asphalt mix for mainline and side road construction.</p> <p><b>PROJECT BACKGROUND</b> Construction of Raleigh's Outer Loop began in 2003. The Knightdale Bypass project was designed to reduce congestion on secondary local roads and provide unlimited access to the new I-540 outer loop as well as replace the outdated US 64.</p> <p><b>PROJECT BENEFITS</b></p> <ul style="list-style-type: none"> <li>• Provided unlimited access to the new I-540 outer loop</li> <li>• Relieved congestion on US 64</li> <li>• Provided an alternate East/West route relieving local street congestion in the downtown Knightdale region.</li> </ul>	<p>North Carolina Department of Transportation P.O. Box 25201 Raleigh, NC 27601</p> <p>Rodger Rochelle, PE (919) 212-3250</p>	2006	2006	\$131,000	\$131,000	\$131,000
<p><b>KNIGHTDALE BYPASS US 64</b> Knightdale, NC</p> <p><b>DELIVERY METHOD:</b> <b>DESIGN-BUILD</b></p> <p><b>CONTRACTOR:</b> <b>THE LANE CONSTRUCTION CORPORATION in a Joint-Venture with Flatiron</b></p> <p><b>DESIGNER:</b>  STV</p> <p><b>RELEVANCE TO I-581/VALLEY VIEW INTERCHANGE PROJECT:</b></p> <ul style="list-style-type: none"> <li>• MAJOR INTERSTATE MOT</li> <li>• BRIDGES</li> <li>• STREAM IMPACTS</li> <li>• NOISE WALLS</li> <li>• STAGED CONSTRUCTION</li> </ul>	<p>The Knightdale Bypass was voted one of the "Top 10 Roadways" in the U.S. in 2006.</p>						

LEAD CONTRACTOR - WORK HISTORY FORM

Work by Lead Contractor - three (3) projects which best illustrate current qualifications relevant to this Project.							
a. Project Name & Location	b. Narrative describing nature of Firm's Responsibilities	c. Client/Owner/Project Manager who Can Verify Firm's Responsibilities. Include address and current phone number.	d. Contract Completion Date (Original)	e. Contract Completion Date (Actual)	f. Estimated Value (in thousands)		
					Original Contract Value	Final or Estimated Contract Value	Dollar Value of Work for Which Firm Was/Is Responsible
<p><b>LANE</b></p> <p>Project 3</p>							
<p><b>I-495 CAPITAL BELTWAY HOT LANES</b> Fairfax County, Virginia</p> <p><b>DELIVERY METHOD: DESIGN-BUILD</b></p> <p><b>DESIGNER: HNTB</b></p> <p><b>CONTRACTOR: THE LANE CONSTRUCTION CORPORATION</b></p> <p><b>RELEVANCE TO I-581/VALLEY VIEW INTERCHANGE PROJECT:</b></p> <ul style="list-style-type: none"> <li>LIMITED ACCESS HIGHWAY INTERCHANGES</li> <li>BRIDGES</li> <li>SOUND WALLS</li> <li>STREAM ALIGNMENT</li> <li>HIGHLY COMPLEX MOT</li> <li>HIGH TRAFFIC VOLUME</li> <li>EXTENSIVE PUBLIC INVOLVEMENT</li> </ul>	<p><b>PROJECT SCOPE</b> Construction of four new general-purpose traffic lanes (two in each direction) outside of the existing lanes on the Capitol Beltway. Work includes the reconstruction of ramps, interchanges, frontage roads, overpasses and underpasses, bridges and other necessary crossings.</p> <p><b>PROJECT DESCRIPTION</b> Lane is constructing two new lanes in each direction on a 14-mile stretch of I-495 from the Springfield Interchange to just north of the Dulles Toll Road. The project will encompass the replacement of more than \$260 million of aging infrastructure, including more than 50 bridges and overpasses.</p> <p>Construction of Springfield Interchange Phase VIII creates a seamless HOV network on I-95/395, the Capital Beltway, I-66, the Dulles Toll Road and future HOV lanes on Braddock Road (allowing for easier connection to I-66). There will be three new access points to the Capital Beltway at Rte. 29/Lee Highway, Westpark Bridge and Jones Branch Drive. Upgrades to 12 key interchanges will promote driver safety. Lane is also building more than 70,000 linear feet of sound walls to double the existing protection for local neighborhoods.</p> <p><b>PROJECT BACKGROUND</b> The Virginia Department of Transportation began studying short and long-term solutions to growing traffic congestion on the Capital Beltway in the late 1980s. By 1994 it had concluded High Occupancy Vehicle (HOV) lanes were needed. A private developer submitted plans for High Occupancy Toll (HOT) lanes in 2002 to the Commonwealth, which resulted in selecting that alternative in 2005.</p> <p>The HOT Lanes project is the most significant package of improvements to the Capital Beltway in a generation. When completed, they will provide drivers with the option of paying a toll for a faster, more predictable trip. Drivers using the HOT lanes will also have access to (HOV) lanes usually limited to vehicles with multiple occupants.</p> <p><b>PROJECT BENEFITS</b> The new HOT Lanes will offer faster travel choices and congestion relief for motorists in the northern Virginia/ Washington, D.C. region. Benefits to drivers, carpoolers, public transportation users and the business community include:</p> <ul style="list-style-type: none"> <li>Less stop-and-go traffic</li> <li>Improved opportunities for reliable bus service for public transportation users</li> <li>Reduced cut-through traffic on local neighborhood streets</li> <li>Positive environmental impact because vehicles move through the area more quickly, reducing emissions</li> </ul> <p><b>Evidence of Performance</b> "A solid experienced company that has built to standard and worked well under difficult traffic and space constraints to minimize impact on travel." ~ Garrett Moore, VDOT NOVA District Administrator</p>	<p>Virginia Department of Transportation Northern Virginia District 4975 Alliance Drive Fairfax, VA 22030</p> <p>Mr. Garrett Moore District Administrator P: 703.259.1959</p>	<p>Dec 2012</p>	<p>Anticipated Dec.2012</p> <p>Project is on schedule</p>	<p>\$1,500,000</p>	<p>\$1,500,000</p>	<p>\$500,000</p>

LEAD DESIGNER - WORK HISTORY FORM

Work by Lead Designer - three (3) projects which best illustrate current qualifications relevant to this Project.							
a. Project Name & Location	b. Narrative describing nature of Firm's Responsibilities	c. Client/Owner/Project Manager who Can Verify Firm's Responsibilities. Include address and current phone number.	d. Contract Completion Date (Original)	e. Contract Completion Date (Actual)	f. Estimated Value (in thousands)		
					Original Contract Value	Final or Estimated Contract Value	Dollar Value of Work for Which Firm Was/Is Responsible
Project 1	<p><b>PROJECT SCOPE</b> STV is providing roadway, bridge, noise barrier, and hydraulics design; traffic analysis; utility coordination; and traffic control services. We are also managing several subconsultants who are providing geotechnical analysis; developing public involvement programs; and designing intelligent transportation systems and overhead signage.</p> <p>STV is also designing ramp improvements, including turn lane extensions; side-road terminals to accommodate increased traffic volumes; and deceleration and acceleration lane extensions to facilitate safer weaving on the mainline with exit and entrance ramps.</p> <p><b>PROJECT DESCRIPTION</b> STV is the design manager for a \$65 million design-build project to widen 5.5-miles of I-385 in Greenville County, SC, to 6 lanes and resurface another 1.5 miles of roadway. This South Carolina Department of Transportation (SCDOT) effort also involves reconstruction of several ramps to meet design standards and widening of the dual bridges at Exits 30 and 31.</p> <p>Thanks to an innovative maintenance of traffic plan developed by STV and Lane, two lanes of traffic can be maintained in each direction during the day. The plan involves a temporary ramp into the median that provides crews direct access to the project site and essentially creates a 24/7 work zone. As a result, construction and interstate traffic is separate, hauling is more efficient, lane closures are minimized, and dangerous nighttime material deliveries can be avoided. Moreover, the project can be completed on an accelerated schedule, reducing costs.</p>	South Carolina Department of Transportation (SCDOT) 995 Park Street Columbia, SC 29201  Claude Ipock 803-737-4202	Oct 2012	On Schedule	\$65,000	\$65,000	65,000
<p><b>I-385 Widening Design-Build</b> Greenville County, SC</p> <p><b>DELIVERY METHOD:</b> <b>DESIGN-BUILD</b></p> <p><b>CONTRACTOR: LANE</b> <b>THE LANE CONSTRUCTION CORPORATION</b></p> <p><b>DESIGNER: STV</b></p> <p><b>RELEVANCE TO I-581/ VALLEY VIEW INTERCHANGE PROJECT:</b></p> <ul style="list-style-type: none"> <li>• <b>INNOVATIVE MOT</b></li> <li>• <b>STREAM REALIGNMENT</b></li> <li>• <b>SOUNDWALL</b></li> <li>• <b>BRIDGES</b></li> <li>• <b>INTERCHANGE</b></li> <li>• <b>PUBLIC INVOLVEMENT</b></li> </ul> <p><b>VALUE-ADDED</b></p> <ul style="list-style-type: none"> <li>• <b>Expedited schedule</b></li> <li>• <b>Best value</b></li> <li>• <b>More efficient construction operations</b></li> </ul>	<p>The MOT plan involves a temporary ramp into the median that provides crews direct access to the project site and essentially creates a 24/7 work zone.</p>						

LEAD DESIGNER - WORK HISTORY FORM

Work by Lead Designer - three (3) projects which best illustrate current qualifications relevant to this Project.							
a. Project Name & Location	b. Narrative describing nature of Firm's Responsibilities	c. Client/Owner/Project Manager who Can Verify Firm's Responsibilities. Include address and current phone number.	d. Contract Completion Date (Original)	e. Contract Completion Date (Actual)	f. Estimated Value (in thousands)		
					Original Contract Value	Final or Estimated Contract Value	Dollar Value of Work for Which Firm Was/Is Responsible
Project 2	<p><b>PROJECT SCOPE</b> The design-build modification of the I-485/I-85 interchange will replace the existing trumpet interchange with an innovative "turbine" interchange.</p> <p>STV is designing 18 bridges to develop the turbine interchange concept; in addition, the firm is designing a 6-lane divided highway with a 70-foot median on I-485 from east of I-85 to west of I-85, tying into the 8-lane extension of NC 115 to I-85, and preparing the design for two additional lanes on I-85 from just north of Mallard Creek Church Road and south of Bruton Smith/Concord Mills Boulevard.</p> <p>Associated tasks include the design of all retaining and noise walls, foundations, embankments, slopes, and retaining walls, and of any temporary structures required during construction. STV is also responsible for bridge and culvert survey reports, storm drainage design, and the development of a state Stormwater Management Plan. STV is also responsible for environmental services, utilities and traffic.</p> <p><b>PROJECT BACKGROUND</b> Interstate 485 currently runs from I-85 near Concord Mills, NC, clockwise around Charlotte, intersecting US 74 near Monroe, US 521 near Pineville, I-77 near the Charlotte-Douglas International Airport, and I-85 near Gastonia before terminating at NC 16 (Brookshire Boulevard). In conjunction with the completion of I-485 from NC 16 to I-77 and NC 115, modification of the eastern I-485/I-85 interchange to provide full access to both interstates will serve as the final link of the Charlotte Outer Loop.</p> <p>The completed system will allow regional and interstate traffic to bypass heavily congested sections of I-77 and I-85 adjacent to uptown Charlotte and the US 74 Independence Boulevard Corridor. The Charlotte Outer Loop will also improve access to residential, commercial, and retail centers throughout the Metrolina region by relieving congestion on parallel east-west roadways.</p> <p>Along with the resulting construction cost and schedule reductions, the design will improve site distances to allow vehicles to safely maintain speed rather than making long climbs required in the 4-level interchange.</p>	North Carolina Department of Transportation (NCDOT) 1553 Mail Service Center Raleigh, NC 27699-1553  Rodger Rochelle 919-212-3250	6/10/2014	On schedule	\$92,000	\$92,000	\$92,000
<p><b>I-485/I-85 Interchange Design-Build</b> Mecklenburg County, NC</p> <p><b>DELIVERY METHOD:</b> <b>DESIGN-BUILD</b></p> <p><b>CONTRACTOR: LANE</b> <b>THE LANE CONSTRUCTION CORPORATION</b></p> <p><b>DESIGNER: STV</b></p> <p><b>RELEVANCE TO I-581/ VALLEY VIEW INTERCHANGE PROJECT:</b></p> <ul style="list-style-type: none"> <li>• <b>INNOVATIVE INTERCHANGE DESIGN</b></li> <li>• <b>ENVIRONMENTAL SERVICES</b></li> <li>• <b>MOT</b></li> <li>• <b>TRAFFIC</b></li> <li>• <b>HIGH INTENSITY URBAN AREA</b></li> <li>• <b>RIGHT-OF-WAY</b></li> <li>• <b>PUBLIC INVOLVEMENT</b></li> </ul> <p><b>VALUE-ADDED</b></p> <ul style="list-style-type: none"> <li>• <b>Expedited schedule</b></li> <li>• <b>Best value</b></li> </ul>		<p>Lane and STV collaborated on an alternate technical concept (ATC) which redesigned a prior 4-level stack interchange with this 2-level "turbine" interchange, saving the Department \$32 million.</p>					

LEAD DESIGNER - WORK HISTORY FORM

Work by Lead Designer - three (3) projects which best illustrate current qualifications relevant to this Project.							
a. Project Name & Location	b. Narrative describing nature of Firm's Responsibilities	c. Client/Owner/Project Manager who Can Verify Firm's Responsibilities. Include address and current phone number.	d. Contract Completion Date (Original)	e. Contract Completion Date (Actual)	f. Estimated Value (in thousands)		
					Original Contract Value	Final or Estimated Contract Value	Dollar Value of Work for Which Firm Was/Is Responsible
<p>Project 3</p>							
<p><b>Hampton Blvd. Grade Separation Project</b> Norfolk, VA</p> <p>DELIVERY METHOD: <b>DESIGN-BID-BUILD</b></p> <p><b>RELEVANCE TO I-581/ VALLEY VIEW INTERCHANGE PROJECT:</b></p> <ul style="list-style-type: none"> <li>RETAINING WALL DESIGN</li> <li>TRAFFIC</li> <li>HIGH INTENSITY URBAN AREA</li> <li>PUBLIC INVOLVEMENT</li> <li>DRAINAGE OUTFALL DESIGN</li> <li>STAGED CONSTRUCTION</li> </ul> <p><b>VALUE-ADDED</b></p> <ul style="list-style-type: none"> <li>Expedited Schedule</li> </ul>	<p><b>PROJECT SCOPE</b> STV provided design of a 2-span, 2-track railroad bridge; a single-span highway bridge; extensive retaining walls; slab design for the depressed roadway below water table; roadway design and pump station. STV also provided all railroad track relocation plans and coordinated the development of maintenance of traffic plans which incorporated a 6-lane detour roadway to eliminate impacts to traffic during the construction of the grade separation structures. STV coordinated with all stakeholders including Norfolk Portsmouth Beltline Railroad, Norfolk Southern Railroad, Virginia Port Authority, City of Norfolk, the U.S. Navy, and adjacent property owners.</p> <p><b>PROJECT BACKGROUND</b> The Hampton Boulevard (Route 337) Grade Separation project, now under construction, was designed to eliminate the significant traffic delays with the existing at-grade rail crossing of Norfolk Southern/Norfolk Portsmouth Beltline Railroads and Hampton Boulevard (Route 337). The railroad crossing conflict will be removed by depressing Hampton Boulevard below the existing railroad tracks thus eliminating the need to interrupt vehicular traffic for railway movement in to and out of the port terminals. The project limits begin at Maple Shade Avenue and terminate at "B" Avenue. The total length of the improved 6-lane roadway is approximately 0.5 mile.</p> <p>The proposed roadway project will also provide improved roadway, lighting, signals, drainage, landscaping, bike lanes, curb, gutter and sidewalks. Other improvements included improved access into Fleet Recreational Park, Pier 3 NIT and Greenbrier side streets.</p> <p>In addition, looking into the future at the proposed Route 564 Connector, which will cross over Hampton Blvd., STV designers took a forward-thinking approach to layout the highway bridge Port access roadway to match the future proposed ramp approach of Route 564 such that this structure can become a part of the future project with no modifications thus avoiding impacts to the traveling public as they use the completed Hampton Blvd. underpass.</p>	<p>VDOT</p> <p>Location and Design Division</p> <p>1401 East Broad Street</p> <p>Richmond, VA 23219</p> <p>John Olenik - VDOT Project Manager</p> <p>(804) 371-0366</p>	<p>Winter 2013</p>	<p>In Progress (On Schedule)</p>	<p>\$38,000</p>	<p>\$38,000</p>	<p>\$38,000</p>



TRANSPORT - E22  
LSPPREQ

COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF TRANSPORTATION  
PREQUALIFIED VENDORS SORTED BY VENDOR NAME  
THIS LIST INCLUDES ALL PREQUALIFIED LEVELS  
AS OF 11/18/2011

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PAGE 221

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L002  
THE LANE CONSTRUCTION CORPORATION  
EMPLOYER ID: 06-0421150  
PREQ. EXP : 06/30/2012

--PREQ ADDRESS -----      -- WORK CLASSES -----

90 FIELDSTONE COURT            002 - GRADING  
CHESHIRE, CT 06410-1212       003 - MAJOR STRUCTURES  
PHONE : 203-235-3351           004 - BITUMINOUS CONCRETE PAVING  
FAX : 203-686-0696            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  
DBE/WBE EXP: N/A

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Vendor Name	Level	Expiration Date	Work Classes
THE LANE CONSTRUCTION CORPORATION	L002	06/30/2012	002 - GRADING 003 - MAJOR STRUCTURES 004 - BITUMINOUS CONCRETE PAVING 006 - PORTLAND CEMENT CONCRETE PAVING 007 - MINOR STRUCTURES 045 - UNDERGROUND UTILITIES



**Exhibit 3.2.8.1**

**SCC Registration Supporting Registration Documentation**



SCC eFile
SCC eFile Home Page
Business Entity Search
Certificate Verification
Log In
FAQs
Give Us Feedback
Business Entities
UCC or Tax Liens
Court Services
Additional Services

Welcome to SCC eFile  
Business Entity Details

THE LANE CONSTRUCTION CORPORATION

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

Quick Links

- [Division Home](#)
- [Division Contact](#)
- [Laws & Regulations](#)
- [Bulletin Archive](#)
- [External Links](#)



Principal Office

90 FIELDSTONE COURT

06410-  
 CHESHIRE CT 1212

Registered Agent/Registered Office

CT CORPORATION SYSTEM  
4701 COX RD STE 301

GLEN ALLEN VA 23060-6802  
 HENRICO COUNTY 143  
 Status: Active  
 Effective Date: 1/5/2004

Users are encouraged to create an SCC eFile account to:

- Conveniently monitor business entities through the use of a "Fav list"
- Perform easy step-by-step online transactions for certain types of such as registered agent changes
- Quickly access online filing history

To view our Privacy Policy, click [here](#)

Screen ID: e1000

Need additional information? Contact [sccinfo@scc.virginia.gov](mailto:sccinfo@scc.virginia.gov) Website questions? Contact: [webmaster@scc.virginia.gov](mailto:webmaster@scc.virginia.gov)

We provide external links throughout our site.

- PDF(.pdf) Reader
- Excel(.xls) Viewer
- PowerPoint(.ppt) Viewer
- Word(.doc) Viewer



SCC eFile
SCC eFile Home Page
Business Entity Search
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Log In
FAQs
Give Us Feedback
Business Entities
UCC or Tax Liens
Court Services
Additional Services

Welcome to SCC eFile  
Business Entity Details

**STV GROUP INCORPORATED (USED IN VA. BY:  
STVINCORPORATED)**

SCC ID: F0253452  
 Business Entity Type: Foreign Corporation  
 Jurisdiction of Formation: NY  
 Date of Formation/Registration: 8/9/1999  
 Status: Active  
 Shares Authorized: 2000

Quick Links

- [Division Home](#)
- [Division Contact](#)
- [Laws & Regulations](#)
- [Bulletin Archive](#)
- [External Links](#)



**Principal Office**

205 WEST WELSH DRIVE  
  
 DOUGLASSVILLE PA 19518

**Registered Agent/Registered Office**

CT CORPORATION SYSTEM  
 4701 COX RD STE 301  
  
 GLEN ALLEN VA 23060-6802  
 HENRICO COUNTY 143  
 Status: Active  
 Effective Date: 1/5/2004

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- Perform easy step-by-step online transactions for certain types of such as registered agent changes
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SCC eFile
SCC eFile Home Page
Business Entity Search
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UCC or Tax Liens
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Additional Services

### Welcome to SCC eFile Business Entity Details

## NXL Construction Co., Inc.

SCC ID: 03497427  
 Business Entity Type: Corporation  
 Jurisdiction of Formation: VA  
 Date of Formation/Registration: 11/17/1989  
 Status: Active  
 Shares Authorized: 5000

#### Quick Links

- [Division Home](#)
- [Division Contact](#)
- [Laws & Regulations](#)
- [Bulletin Archive](#)
- [External Links](#)



#### Principal Office

114 E CARY STREET SUITE 200

RICHMOND VA 23219

#### Registered Agent/Registered Office

NICOMEDES L DE LEON  
9606 GEORGE'S BLUFF RD

RICHMOND VA 23229

HENRICO COUNTY 143

Status: Active

Effective Date: 10/8/1998

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- Perform easy step-by-step online transactions for certain types of such as registered agent changes
- Quickly access online filing history

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Screen ID: e1000

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We provide external links throughout our site.



# Commonwealth of Virginia



## STATE CORPORATION COMMISSION

*Richmond, February 17, 2009*

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

**Accompong Engineering Group, LLC**

*was this day issued and admitted to record in this office and that the said limited liability company is authorized to transact its business subject to all Virginia laws applicable to the company and its business. Effective date: February 17, 2009*



*State Corporation Commission*

*Attest:*

*Joel H. Beck*  
Clerk of the Commission

# Commonwealth of Virginia



## State Corporation Commission

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

The foregoing is a true copy of all documents constituting the charter of ANDERSON & ASSOCIATES OF VIRGINIA, INC. on file in the Clerk's Office of the Commission.

Nothing more is hereby certified.



*Signed and Sealed at Richmond on this Date:  
September 1, 2010*

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

**Please note:** The SCC website will be unavailable **Thursday, November 17, from 6:00 10:00 p.m.** for system maintenance.

We apologize for the inconvenience and appreciate your patience.

Si  
Cor



Virg

11/16/11

CISM0180

CORPORATE DATA INQUIRY

09:19:31

CORP ID: 0724389 - 2 STATUS: 00 ACTIVE STATUS DATE: 06/14/10

CORP NAME: DMY Inc.

DATE OF CERTIFICATE: 06/14/2010 PERIOD OF DURATION: INDUSTRY CODE: 70

STATE OF INCORPORATION: VA VIRGINIA STOCK INDICATOR: S STOCK

MERGER IND: CONVERSION/DOMESTICATION IND:

GOOD STANDING IND: Y MONITOR INDICATOR:

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

R/A NAME: JOHN Z DING

STREET: 14241 MIDLOTHIAN TPKE, SUITE 230

AR RTN MAIL:

CITY: MIDLOTHIAN STATE : VA ZIP: 23113

R/A STATUS: 1 DIRECTOR EFF. DATE: 10/18/11 LOC : 120

ACCEPTED AR#: 211 51 1321 DATE: 05/31/11 CHESTERFIELD CO

CURRENT AR#: 211 51 1321 DATE: 05/31/11 STATUS: A ASSESSMENT INDICATOR: 0

YEAR FEES PENALTY INTEREST TAXES BALANCE TOTAL SHARES

11 100.00 100

(Screen Id:/Corp\_Data\_Inquiry)

# Commonwealth of Virginia



## STATE CORPORATION COMMISSION

*Richmond,* June 23, 1998

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

*EEE Consulting, Inc.*

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

June 23, 1998



*State Corporation Commission*

*William J. Bridge*  
Clerk of the Commission

# Commonwealth OF Virginia



## State Corporation Commission

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

MERCADO CONSULTANTS, INC., a corporation existing under the laws of MARYLAND, holds a certificate of authority to transact business in Virginia, and is in good standing.

The certificate was issued on March 11, 1996.

Nothing more is hereby certified.

*Signed and Sealed at Richmond on this Date:  
July 15, 2002*



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

CIS0448

# Commonwealth of Virginia



## STATE CORPORATION COMMISSION

*Richmond, June 2, 2006*

*This certificate of registration to transact business in Virginia is this day issued for*

**O.R. Colan Associates of Florida, LLC**

*a limited liability company organized under the laws of FLORIDA and the said company is authorized to transact business in Virginia, subject to all Virginia laws applicable to the company and its business.*



*State Corporation Commission  
Attest:*

*Joel H. Peck*  
Clerk of the Commission

CIS0322

# Commonwealth of Virginia



## STATE CORPORATION COMMISSION

*Richmond,* October 21, 1993

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

THOMAS L. BROWN ASSOCIATES, P.C.

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



*State Corporation Commission*

*Attest:*

*William J. Bridge*

*Clerk of the Commission*

**Exhibit 3.2.8.2**

**DPOR Supporting Registration Documentation for each office**



[Online Services](#) | [Commonwealth Sites](#) | [Help](#) | [Governor](#)

Search Virginia.gov

Submit Query

- License Lookup
- Online License Services
- News & Announcements
- Licensing & Regulation (Boards)
- Compliance & Investigations
- Law & Policy
- Public Records
- Services for Licensees/Regulants
- Services for Consumers
- Services for Board Members/Employees
- Fair Housing Office
- About DPOR

### Contractor Business License

Contractor Business License	
BUSINESS NAME:	THE LANE CONSTRUCTION CORPORATION
TRADING NAME:	VIRGINIA PAVING COMPANY
ADDRESS:	90 FIELDSTONE COURT CHESHIRE, CT 06410-0000
BUSINESS TYPE:	CORPORATION
CLASS OF LICENSE:	A
CLASSIFICATIONS/SPECIALTIES:	BUILDING, HIGHWAY / HEAVY
REGISTRATION NO:	2701011871
INITIAL CERTIFICATION DATE:	OCTOBER 12, 1972
EXPIRATION DATE:	JANUARY 31, 2012

#### Open Complaints: None

"Open Complaints" reflect only those complaints 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.

#### Closed Complaints: None

"Closed Complaints" reflect complaints closed since 1990. Cases closed without disciplinary action are purged after three years in

<http://www.dpor.virginia.gov/regulantlookup/BusContractorDetail.CFM?CFID=1075109...> 11/30/2011

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

**EXPIRES ON**  
02-29-2012

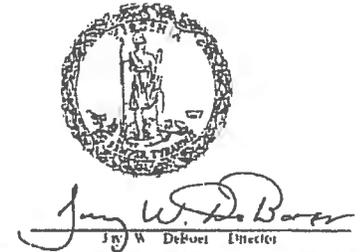
9960 Mayland Dr., Suite 400, Richmond, VA 23233  
Telephone: 1 (804) 367-8500

**NUMBER**  
0411000462

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

**PROFESSIONS: ENG**

STV INCORPORATED DBA STV GROUP INC  
STV/RALPH WHITEHEAD ASSOCIATES  
10800 MIDLOTHIAN TNPK SUITE 302  
RICHMOND, VA 23235



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

**EXPIRES ON**  
02-29-2012

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

**NUMBER**  
0411000710

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

PROFESSIONS: ENG

STV INCORPORATED  
STV/RALPH WHITEHEAD ASSOCIATES  
P O BOX 35624  
CHARLOTTE, NC 28235



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

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(POCKET CARD)

**COMMONWEALTH OF VIRGINIA**

BOARD FOR APESCIDLA  
BUSINESS ENTITY BRANCH OFFICE REGISTRATION  
NUMBER: 0411000710 EXPIRES: 02-29-2012  
PROFESSIONS: ENG  
STV INCORPORATED STV/RALPH WHITEHEAD ASSOCIATES  
P O BOX 35624  
CHARLOTTE, NC 28235



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

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10010 (7/11) 107028-3

DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION  
COMMONWEALTH OF VIRGINIA

EXPIRES ON  
02-29-2012

9960 Mayland Dr., Suite 400, Richmond, VA 23233  
Telephone: 1 (804) 367-8500

NUMBER  
0411000661

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

PROFESSIONS: ARC, ENG

STV INCORPORATED  
STV GROUP INCORPORATED  
2722 MERRILEE DR SUITE 350  
FAIRFAX, VA 22031



*Janet W. DeBoer*  
By W. DeBoer, Director

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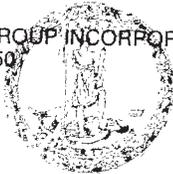
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COMMONWEALTH OF VIRGINIA

BOARD FOR APPLSCIDLA  
BUSINESS ENTITY BRANCH OFFICE REGISTRATION  
NUMBER: 0411000661 EXPIRES: 02-29-2012  
PROFESSIONS: ARC, ENG  
STV INCORPORATED STV GROUP INCORPORATED  
2722 MERRILEE DR SUITE 350  
FAIRFAX, VA 22031



(FOUR)

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

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

EXPIRES ON  
12-31-2011

NUMBER  
0407003031

9960 Mayland Dr., Suite 400, Richmond, VA 23233  
Telephone: 1 (804) 367-8500

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

PROFESSIONS: ENG, LS

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



*Jay W. DeBiet*  
Jay W. DeBiet Director

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(POCKET CARD)  
COMMONWEALTH OF VIRGINIA

BOARD FOR APPELSCIDLA  
BUSINESS ENTITY REGISTRATION  
NUMBER: 0407003031 EXPIRES: 12-31-2011  
PROFESSIONS: ENG, LS  
NXL CONSTRUCTION CO INC  
114 E CARY ST STE 200  
RICHMOND, VA 23219



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

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

**EXPIRES ON**  
12-31-2011

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

**NUMBER**  
0407005442

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

PROFESSIONS: ENG

ACCOMPONG ENGINEERING GROUP, LLC  
9510 IRON BRIDGE RD  
SUITE 200  
CHESTERFIELD, VA 23832



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

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**COMMONWEALTH OF VIRGINIA**

BOARD FOR APPELSCIDLA  
BUSINESS ENTITY REGISTRATION  
NUMBER: 0407005442 EXPIRES: 12-31-2011  
PROFESSIONS: ENG  
ACCOMPONG ENGINEERING GROUP, LLC  
9510 IRON BRIDGE RD  
SUITE 200  
CHESTERFIELD, VA 23832



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

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10010 (7/11) 107028-3

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COMMONWEALTH OF VIRGINIA**

**EXPIRES ON**  
12-31-2011

9960 Mayland Dr., Suite 400, Richmond, VA 23233  
Telephone: 1 (804) 367-8500

**NUMBER**  
0407004805

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

**PROFESSIONS: ENG, LS, LA**

**ANDERSON & ASSOCIATES OF VIRGINIA INC  
100 ARDMORE STREET  
BLACKSBURG, VA 24060**



*Jay W. DeBoer*  
Jay W. DeBoer, Director

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NUMBER: 0407004805 EXPIRES: 12-31-2011  
PROFESSIONS: ENG, LS, LA  
ANDERSON & ASSOCIATES OF VIRGINIA INC  
100 ARDMORE STREET  
BLACKSBURG, VA 24060



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DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION  
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COMMONWEALTH OF VIRGINIA**

EXPIRES ON  
12-31-2011

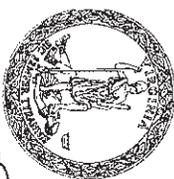
9960 Mayland Dr., Suite 400, Richmond, VA 23238  
Telephone: 1 (804) 367-9500

NUMBER  
0407004805

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

PROFESSIONS: ENG, LS, LA

ANDERSON & ASSOCIATES OF VIRGINIA INC  
100 ARDMORE STREET  
BLACKSBURG, VA 24060



*James W. DeBoer*  
James W. DeBoer, Director

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COMMONWEALTH OF VIRGINIA

DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION

9960 Mayland Dr., Suite 400, Richmond, VA 23238

(DETACH HERE)

BOARD FOR APPELSCIDLA  
BUSINESS ENTITY REGISTRATION  
NUMBER: 0407004805 EXPIRES: 12-31-2011  
PROFESSIONS: ENG, LS, LA  
ANDERSON & ASSOCIATES OF VIRGINIA INC  
100 ARDMORE STREET  
BLACKSBURG, VA 24060



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(8/08)

DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION  
COMMONWEALTH OF VIRGINIA

EXPIRES ON  
12-31-2011

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

NUMBER  
0405001794

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

PROFESSIONS: ENG

DMY INC  
13454 RIDGEMOOR LN  
MIDLOTHIAN, VA 23114



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

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

DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION  
COMMONWEALTH OF VIRGINIA

EXPIRES ON  
04-30-2012

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

NUMBER  
0402044684

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

JOHN Z DING  
13454 RIDGEMOOR LN.  
MIDLOTHIAN, VA 23114



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

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

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

**EXPIRES ON**  
02-29-2012

9960 Mayland Dr., Suite 400, Richmond, VA 23233  
Telephone: 1 (804) 367-8500

**NUMBER**  
0411000435

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

PROFESSIONS: ENG

EEE CONSULTING INC  
201 CHURCH ST  
BLACKSBURG, VA 24060



*Jan W. DeBoer*  
Jan W. DeBoer, Director

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

(POCKET CARD)

**COMMONWEALTH OF VIRGINIA**

BOARD FOR APESCIDLA  
BUSINESS ENTITY BRANCH OFFICE REGISTRATION  
NUMBER: 0411000435 EXPIRES: 02-29-2012  
PROFESSIONS: ENG  
EEE CONSULTING INC  
201 CHURCH ST  
BLACKSBURG, VA 24060



(FOLD)

(DETACH HERE)

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

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

EXPIRES ON

12-31-2011

9960 Mayland Dr., Suite 400, Richmond, VA 23233  
Telephone: 1 (804) 367-8500

NUMBER

0407003798

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

PROFESSIONS: ENG

EEE CONSULTING INC  
8525 BELL CREEK RD  
MECHANICSVILLE, VA 23116



*Jay W. DeBoer*  
Jay W. DeBoer, Director

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

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

**EXPIRES ON**  
12-31-2011

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

**NUMBER**  
0407005863

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

PROFESSIONS: ENG, LS

MERCADO CONSULTANTS, INC.  
17830 NEW HAMPSHIRE AVE  
#200  
ASHTON, MD 20861



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

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

(POCKET CARD)

**COMMONWEALTH OF VIRGINIA**

BOARD FOR APELSCIDLA  
BUSINESS ENTITY REGISTRATION  
NUMBER: 0407005863 EXPIRES: 12-31-2011  
PROFESSIONS: ENG, LS  
MERCADO CONSULTANTS, INC.  
17830 NEW HAMPSHIRE AVE  
#200  
ASHTON, MD 20861



(DETACH HERE)

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

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DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION  
COMMONWEALTH OF VIRGINIA

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

EXPIRES ON  
**07-31-2013**

NUMBER  
**4008 001545**

REAL ESTATE APPRAISER BOARD  
BUSINESS REGISTRATION

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



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

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POCKET CARD)

COMMONWEALTH OF VIRGINIA

(DETACH HERE)

REAL ESTATE APPRAISER BOARD  
BUSINESS REGISTRATION

NUMBER: 4008 001545 EXPIRES: 07-31-2013

O R COLAN ASSOCIATES OF FLORIDA LLC

11111 CARMEL COMMONS BOULEVARD SUITE 410

CHARLOTTE NC 28226



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

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

**EXPIRES ON**  
12-31-2011

9960 Mayland Dr., Suite 400, Richmond, VA 23233  
Telephone: 1 (804) 367-8500

**NUMBER**  
0405001479

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

PROFESSIONS: ENG

THOMAS L BROWN ASSOCIATES P C  
1400 EYE ST NW STE 440  
WASHINGTON, DC 20005



*Jay W. DeBoer*  
Jay W. DeBoer, Director

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(POCKET CARD)

COMMONWEALTH OF VIRGINIA

BOARD FOR APESCIDLA  
PROFESSIONAL CORPORATION REGISTRATION  
NUMBER: 0405001479 EXPIRES: 12-31-2011  
PROFESSIONS: ENG  
THOMAS L BROWN ASSOCIATES P C  
1400 EYE ST NW STE 440  
WASHINGTON, DC 20005



(FOLD)

(DETACH HERE)

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

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**Exhibit 3.2.8.3**

**Supporting Documentation for DPOR Licenses for Key Personnel**

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

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

**EXPIRES ON**  
02-29-2012

**NUMBER**  
0402039327

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

**JOSEPH ROY HAMED**  
110 WENN DRIVE  
CHRISTIANSBURG, VA 24073




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

(POCKET CARD) COMMONWEALTH OF VIRGINIA

BOARD FOR APELSCIDLA  
PROFESSIONAL ENGINEER LICENSE  
NUMBER: 0402039327 EXPIRES: 02-29-2012

JOSEPH ROY HAMED  
110 WENN DRIVE  
CHRISTIANSBURG, VA 24073



(DETACH HERE)

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

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

9960 Mayland Dr., Suite 400, Richmond, VA 23233  
Telephone: (804) 387-8500

**EXPIRES ON**

01-31-2013

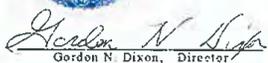
**NUMBER**

0402033892

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

**PROFESSIONAL ENGINEER LICENSE**

**JEFFREY LYNN GAGNE**  
1033 WATERVIEW LANE  
MONROE, NC 28110

  
  
Gordon N. Dixon, Director

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

(POCKET CARD)

COMMONWEALTH OF VIRGINIA

BOARD FOR APPLSCIDLA  
PROFESSIONAL ENGINEER LICENSE  
NUMBER: 0402033892 EXPIRES: 01-31-2013

JEFFREY LYNN GAGNE  
1033 WATERVIEW LANE  
MONROE, NC 28110



REG

(DETACH HERE)

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

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(8/06)

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

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

**EXPIRES ON**

06-30-2013

**NUMBER**

0402011415

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

**PROFESSIONAL ENGINEER LICENSE**

**RONALD C BRIGGS**  
14413 CLIPPER COVE CT  
MIDLOTHIAN, VA 23112



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

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

(POCKET CARD)

COMMONWEALTH OF VIRGINIA

BOARD FOR APPEALS  
PROFESSIONAL ENGINEER LICENSE  
NUMBER: 0402011415 EXPIRES: 06-30-2013

RONALD C BRIGGS  
14413 CLIPPER COVE CT  
MIDLOTHIAN, VA 23112



(DETACH HERE)

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

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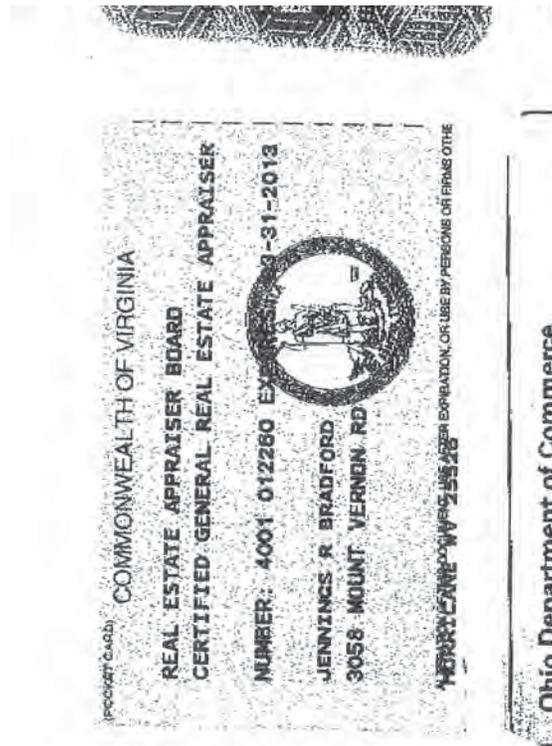
**Exhibit 3.2.8.4**

**Supporting Documentation for DPOR Licenses for those services not regulated by  
APELSCIDLA Board**

## 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 Daniel Pacheco	(918)494-7600 (856)795-1314 (856)795-7600









**ATTACHMENT NO. 3.2.5(b)**

**CERTIFICATION REGARDING DEBARMENT  
LOWER TIER COVERED TRANSACTIONS**

Project No.: 0581-128-109, P101, RW201, C501, B627

- 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.

Thomas S. Florman      12/5/11      Vice President  
 Signature                      Date                      Title  
STV Incorporated  
 Name of Firm

**ATTACHMENT NO. 3.2.5(b)**

**CERTIFICATION REGARDING DEBARMENT  
LOWER TIER COVERED TRANSACTIONS**

Project No.: 0581-128-109, P101, RW201, C501, B627

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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.

[Signature]      12/7/2011      President  
Signature      Date      Title

NXL CONSTRUCTION SERVICES, INC.  
Name of Firm

**ATTACHMENT NO. 3.2.5(b)**

**CERTIFICATION REGARDING DEBARMENT  
LOWER TIER COVERED TRANSACTIONS**

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<u><i>[Signature]</i></u>	<u>11/29/2011</u>	<u>President</u>
Signature	Date	Title

Accompany Engineering Group LLC  
Name of Firm

**ATTACHMENT NO. 3.2.5(b)**

**CERTIFICATION REGARDING DEBARMENT  
LOWER TIER COVERED TRANSACTIONS**

Project No.: 0581-128-109, P101, RW201, C501, B627

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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.

William H. Bushman 11/28/11

Vice President of Transportation

Signature

Date

Title

Anderson & Associates, Inc.

Name of Firm

**ATTACHMENT NO. 3.2.5(b)**

**CERTIFICATION REGARDING DEBARMENT  
LOWER TIER COVERED TRANSACTIONS**

Project No.: 0581-128-109, P101, RW201, C501, B627

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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.

	November 28, 2011	President
_____ Signature	_____ Date	_____ Title

DMY, Inc.  
\_\_\_\_\_  
Name of Firm

**ATTACHMENT NO. 3.2.5(b)**

**CERTIFICATION REGARDING DEBARMENT  
LOWER TIER COVERED TRANSACTIONS**

Project No.: 0581-128-109, P101, RW201, C501, B627

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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.

November 28, 2011

Vice President

Signature

Date

Title

EEE Consulting, Inc.

Name of Firm



**ATTACHMENT NO. 3.2.5(b)**

**CERTIFICATION REGARDING DEBARMENT  
LOWER TIER COVERED TRANSACTIONS**

Project No.: 0581-128-109, P101, RW201, C501, B627

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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.

	November 22, 2011	Chief Operating Officer
Signature	Date	Title

O. R. Colan Associates of Florida, LLC  
Name of Firm

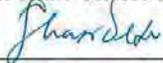
**ATTACHMENT NO. 3.2.5(b)**

**CERTIFICATION REGARDING DEBARMENT  
LOWER TIER COVERED TRANSACTIONS**

Project No.: 0581-128-109, P101, RW201, C501, B627

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	11/29/11	Vice President
Signature	Date	Title

Thomas L. Brown Associates, P.C.

---

Name of Firm