



A Design-Build Project

I-64/ROUTE 15 (ZION CROSSROADS) INTERCHANGE IMPROVEMENT

FROM: 0.30 MI. W. INT. RTE. 15 (I-64 EB & WB)
TO: 0.35 MI. E. RTE. 15 (I-64 EB & WB)

LOUISA COUNTY, VIRGINIA

State Project No.: 0064-054-703, P101, R201 & C501
Federal Project No.: IM-064-2(155)
Contract ID Number: C00086453DB48

February 3, 2012



ATTACHMENT 3.1.2

0064-054-703, P101, R201 & C501

STATEMENT OF QUALIFICATIONS CHECKLIST AND CONTENTS

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

Statement of Qualifications Component	Form (if any)	RFQ Cross reference	Included within 20-page limit?	SOQ Page Reference
Statement of Qualifications Checklist and Contents	Attachment 3.1.2	Section 3.1.2	no	i-iii
Acknowledgement of RFQ, Revision and/or Addenda	Attachment 2.10 (Form C-78-RFQ)	Section 2.10	no	iv
Letter of Submittal (on Offeror's letterhead)				
Offeror's point of contact information	NA	Section 3.2.1	yes	2
Authorized Representative's signature	NA	Section 3.2.1	yes	4
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	2
Debarment forms	Attachment 3.2.5(a) Attachment 3.2.5(b)	Section 3.2.5	no	Appendix III
Offeror's VDOT prequalification evidence	NA	Section 3.2.6	yes	5
Evidence of obtaining bonding	NA	Section 3.2.7	yes	6
Professional Services Evidence				
Full size copies of SCC DPOR registration documentation	NA	Section 3.2.8	no	Appendix III Appendix IV-V

ATTACHMENT 3.1.2

0064-054-703, P101, R201 & C501

STATEMENT OF QUALIFICATIONS CHECKLIST AND CONTENTS

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	2-3
DPOR Registration (Offices)	NA	Section 3.2.8.2	yes	2-3
DPOR Registration (Key Personnel)	NA	Section 3.2.8.3	yes	3
DPOR Registration (Non-APELSCIDLA)	NA	Section 3.2.8.4	yes	4
DBE statement within Letter of Submittal confirming Offeror is committed to achieving the required DBE goal	NA	Section 3.2.9	yes	4
Offeror's Team Structure				
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	Appendix I
Key Personnel Resume – Quality Assurance Manager	Attachment 3.3.1	Section 3.3.1.2	no	Appendix I
Key Personnel Resume – Design Manager	Attachment 3.3.1	Section 3.3.1.3	no	Appendix I
Key Personnel Resume – Construction Manager	Attachment 3.3.1	Section 3.3.1.4	no	Appendix I
Key Personnel Resume – Public Relations Manager	Attachment 3.3.1	Section 3.3.1.5	no	Appendix I
Organizational chart	NA	Section 3.3.2	yes	12
Organizational chart narrative	NA	Section 3.3.2	yes	11

ATTACHMENT 3.1.2

0064-054-703, P101, R201 & C501

STATEMENT OF QUALIFICATIONS CHECKLIST AND CONTENTS

Statement of Qualifications Component	Form (if any)	RFQ Cross reference	Included within 20-page limit?	SOQ Page Reference
Experience of Offeror's Team		Section 3.4	yes	13-15
Lead Contractor Work History Form	Attachment 3.4.1(a)	Section 3.4.1	no	Appendix II
Lead Designer Work History Form	Attachment 3.4.1(b)	Section 3.4.1	no	Appendix II
Project Risk				
Identify and discuss three critical risks for the Project	NA	Section 3.5.1	yes	16-20

ATTACHMENT 2.10

**COMMONWEALTH OF VIRGINIA
DEPARTMENT OF TRANSPORTATION**

RFQ NO. C00086453DB48

PROJECT NO.: 0064-054-703, P101, R201 & C501

ACKNOWLEDGEMENT OF RFQ, REVISION AND/OR ADDENDA

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

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

- 1. Cover letter of RFQ 12/06/11
(Date)
- 2. Cover letter of Q&A 01/17/2012
(Date)
- 3. Cover letter of _____
(Date)



SIGNATURE

1/31/12

DATE

Donald Cantore, President



A Design-Build Project

3.2 LETTER OF SUBMITTAL

FIELDER'S CHOICE ENTERPRISES, INC.

February 3, 2012

Mr. Ian Millikan, PE
Alternate Project Delivery Office
Virginia Department of Transportation
Richmond, VA 23219



RE: I-64 / Route 15 (Zion Crossroads) Interchange Improvement
State Project No.: 0064-054-703, P101, R201 & C501
Federal Project No.: IM-064-2(155) Contract ID Number: C00086453DB48

Dear Mr. Millikan:

Fielder's Choice Enterprises, Inc. (FCE), proudly submits the enclosed Statement of Qualifications (SOQ) for the subject I-64/Route 15 (Zion Crossroads) Interchange Improvement Project, (the project). Please find attached one original and nine copies of our SOQ, and one CD containing the SOQ in a comprehensive Adobe PDF file.

FCE is a mid-sized SWaM contractor located in Charlottesville, Virginia — less than 20 miles from the project. We offer a track record of completing hundreds of public and private civil works projects in central Virginia. Our size, location, and expertise optimally match your project needs. FCE excels at constructing projects such as Zion Crossroads, and VDOT is a valued customer, having recently been awarded the VDOT U.S. 340 project in Waynesboro (VDOT Order No. J83), and a VDOT bridge project in Rappahannock County (VDOT Order No. K60). FCE relishes this opportunity, and we are eager to compete for the project in our own backyard. FCE is strategically located, highly motivated, optimally sized, and properly qualified for your project.

FCE carefully selected a team of qualified partners for this project. The Louis Berger Group, Inc. (LBG), will serve as the lead design firm and NXL Construction Services, Inc. (NXL), will serve as the Quality Assurance Management (QAM) firm. Both firms will be contractually bound, but separately bound to FCE for the project. LBG will subconsult certain support services including surveying to Hurt and Proffitt, Inc., R/W acquisition to Greenhorn & O'Mara; pre-construction and geotechnical engineering to Froehling & Robertson, Inc. NXL (a DBE firm) will subconsult QAM materials testing to S&ME, Inc. FCE Team member firms and key personnel assigned to this project are presented in detail within Section 3.3.2.

LBG is an internationally recognized consulting firm that provides engineering, planning, and construction administration. LBG has an established history in both the design-bid-build as well as design-build arenas and is consistently ranked in the top five among pure designers and transportation firms by *Engineering News-Record*. Recently, LBG was awarded the prestigious "Build Maine Award" for the I-295 Connector.

NXL provides surveying/mapping and construction management, inspection services and project controls for transportation and engineering design projects. VDOT recently awarded NXL the "DBE Consultant Contractor of the Year."

Overall, the FCE Team stands ready for this project in a high quality, cost effective manner for the Virginia Department of Transportation (VDOT).



3.2.1 Letter of Submittal Point of Contact. The FCE Team point-of-contact is Donald Cantore, Design-Build Project Manager (DBPM), who will also be in-charge and point-of-contact for all EEOO compliance and enforcement of all safety policies for this project.

Point-of-Contact

Design-Build PM
 Donald Cantore, President of FCE
 102 South 1st St., Suite 201
 Charlottesville, VA 22902
 Telephone: 434.244.0250 x128
 Fax: 434.977.3783
 E-mail: dcantore@fce-digs.com

3.2.2 The Principal Officer of the Legal Entity. Donald Cantore, President of FCE is the principal with whom a design-build contract with VDOT would be written. His contact information is provided above.

3.2.3 Corporate Structure. FCE is the design-build contracting entity for this project. FCE is incorporated in Virginia and is wholly-owned by Douglas E. Caton. FCE will be the lead responsible party for the design-build contract with VDOT and will hold all financial responsibility for the contract and post 100% of all required bonds.

3.2.4 Affiliate and/or Subsidiary Companies. FCE is a subchapter S Corporation and does not have any affiliates or subsidiaries.

3.2.5 Certification Regarding Debarment Form(s) Primary Covered Transactions (Attachment 3.2.5(a) and Lower Tier Covered Transactions (Attachment 3.2.5(b) have been signed and are located in the Appendices.

3.2.6 VDOT Prequalification Certificate – FCE is pre-qualified with VDOT (Vendor Number F451) to provide grading, major structures, minor structures, and utilities as of April 1, 2011, with an expiration date on May 31, 2012. The prequalification letter is attached.

3.2.7 Surety Letter – A signed surety letter stating FCE is capable of obtaining a performance and payment bond is attached.

3.2.8 Commercial/Professional Registration Requirements tables with supporting documentation in the Appendices: **SCC Registration Information**

3.2.8.1 FIRM TEAM MEMBER SCC REGISTRATION # STATUS	3.2.8.2 VIRGINIA DPOR OFFICE ADDRESS	3.2.8.2 REGISTRATION TYPE NUMBER EXPIRATION DATE
Fielder’s Choice Enterprises, Inc. #03067113 Corporation	See Non-APELSCIDLA DPOR Chart below, 3.2.8.4	See Non-APELSCIDLA DPOR Chart below, 3.2.8.4
The Louis Berger Group, Inc. #F1393679 Corporation	801 E. Main Street Suite 500 Richmond, VA 23219	ENG #0407003926, 12-31-2013
	1001 Wade Avenue Suite 400 Raleigh, NC 27605	ENG #0411000655, 02-29-2012
	412 Mount Kemble Avenue, Morristown, NJ 07960	ENG #0411000653, 02-29-2012
NXL Construction Co Inc NXL Construction Services Inc #03497427, Corporation	114 E Cary Street Suite 200 Richmond, VA 23219	ENG LS #0407003031, 12-31-2013



S&ME, Inc. #F1154568, Corporation	8211 Hermitage Road Richmond, VA 23060	ENG #0411000524, 02-29-2012
Froehling & Robertson, Inc. #00272112, Corporation	6181 Rockfish Gap Turnpike Crozet, VA 22932	ENG #0411000052, 02-29-2012
Hurt & Proffitt, Inc. #01428952, Corporation	2524 Langhorne Road Lynchburg, VA 24501	ENG LS #0407003927, 12-31-2013
Greenhorne & O'Mara, Inc. #F0510992, Corporation	10800 Midlothian Turnpike, Suite 310 Richmond, VA 23235	ENG #0411000611, 02-29-2012
Pape & Company, Inc. #03711587, Corporation	See Non-APELSCIDLA DPOR Chart below, 3.2.8.4	See Non-APELSCIDLA DPOR Chart below, 3.2.8.4
See Appendices for Full Size SCC Registrations and Office DPOR Licenses.		

3.2.8.3 DPOR Registration Information for Personnel

PERSONNEL NAME COMPANY NAME OFFICE LOCATION	ADDRESS	VIRGINIA DPOR KEY PERSONNEL
John Andrew Vandergriff (Key Personnel) The Louis Berger Group, Inc. Richmond, VA	3329 White Chimneys Court Glen Allen, VA 23060	Professional Engineer #0402031149 07-31-2013
Michael William Saunders (Key Personnel) NXL Construction, Inc. Richmond, VA	4500 Litchfield Drive Chesterfield, VA 23832	Professional Engineer #0402041295 12-31-2013
Mark Daniel McElwain The Louis Berger Group, Inc. Richmond, VA	11341 Long Meadow Drive Glen Allen, VA 23059	Professional Engineer #0402033041 07-31-2013
Charles Bradford Smith The Louis Berger Group, Inc. Richmond, VA	3412 Hunton Ridge Rd Glen Allen, VA 23059	Professional Engineer #0402038210 07-31-2013
Clyde Anderson Simmons III Froehling and Robertson Inc Crozet, VA	6181 Rockfish Gap Turnpike Crozet, VA 22932	Professional Engineer #0402037906 12-31-2012
David Anthony Malinoski Greenhorne & O'Mara, Inc. Richmond, VA	6153 Stronghold Drive Mechanicsville, VA 23111	Professional Engineer #0402031971 02-29-2012
Troy Dewitt Williams Greenhorne & O'Mara, Inc. Richmond, VA	1086 Abbey Place Forest, VA 24551	Land Surveyor #0403002695 12-31-2012
See Appendices for Full Size Personnel and Non-APELSCIDLA DPOR Licenses.		



3.2.8.4 DPOR License for Services not Regulated by the Board for Architects, Professional Engineers, Land Surveyors, Certified Interior Designers, and Landscape Architects

3.2.8.4 COMPANY NAME VIRGINIA DPOR OFFICE ADDRESS	3.2.8.4 REGISTRATION TYPE NUMBER EXPIRATION DATE	3.2.8.4 PERSONNEL REGISTRATION
Fielder's Choice Enterprises, Inc. 102 S First Street Ste 201 Charlottesville VA 22902	Board Of Contractors Class A Contractors License BLD CIC EMC FIC H/H HIC ISC #2705 062623A 06-30-2013	Pre-Qualified for VDOT Vendor Number: F451 Grading, Major Structures, Minor Structures, and Utilities as of April 1, 2011, with an expiration date on May 31, 2012.
Greenhorne & O'Mara, Inc. 10800 Midlothian Tnpk STE 310 Richmond, VA 23235	Real Estate Appraiser Board Business Registration #4008001550 08-31-2013	Certified General Real Estate Appraiser – Evelyn W Jones 321 Northbrooke Avenue Suffolk, VA 23434 0000 #4001 003487 11-30-2013
Pape & Company Inc 1421 Sagem Place Inc Suite 1 Charlottesville, VA 22901	Real Estate Appraiser Board Business Registration #4008000940 01-31-2014	Certified General Real Estate Appraiser – Karen Pape 478 Woodlands Road Charlottesville VA 22901 #4001000322 11-30-2013

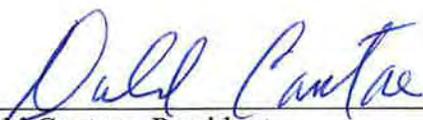
Donald Cantore, James Collins, and Steven Houchens do not have Virginia or Non-APELSCIDLA DPORs.

3.2.9 Fielder's Choice Enterprises, Inc. is committed to and will achieve the stated 17% DBE participation goal for the entire value of the contract.

FCE relishes this project opportunity. FCE is appropriately sized, strategically located, and properly supported by our consultant partners to make your project a success.

Sincerely,

FIELDER'S CHOICE ENTERPRISES



Donald Cantore, President

Attachments: 3.2.6 VDOT Prequalification Certificate – Page 5
3.2.7 Letter of Surety – Page 6



COMMONWEALTH OF VIRGINIA



CERTIFICATE OF QUALIFICATION

Fielder's Choice Enterprises, Inc.

Vendor Number: **F451**

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

PREQUALIFIED

Work Classes: Grading, Major Structures, Minor Structures, Utilities

Issue Date: April 1, 2011

This Rating and Classification will Expire: May 31, 2012

Suzanne FR Lucas

Suzanne FR Lucas Prequalification Officer

Don E. Silles FR

Don E. Silles, State Construction Contract Officer

10 Franklin Road, SE
Suite 550
Roanoke, VA 24011
Tel (540) 343-8071
Fax (540) 345-2958

Employee Owned



Est. 1864

Charlotte
Greensboro
Knoxville
Lynchburg
Nashville
Raleigh
Richmond

January 12, 2012

Commonwealth of Virginia
Department of Transportation
1401 E. Broad Street
Richmond, VA 23219-2000

RE: I-64/Route 15 (Zions Crossroads) Interchange Improvement, Louisa County, VA
State Project Number: 0064-054-703, P101,R201 & C501
Federal Project Number: IM-064-2(155)
Contract ID Number: C00086453DB48

To Whom It May Concern:

Fielder's Choice Enterprises, Inc. has been a valued client of the Zurich for over 5 years. During that time, Zurich has supported Fielder's Choice Enterprises, Inc. for projects in excess of \$10 million.

As surety for Fielder's Choice Enterprises, Inc., Zurich American Insurance Company and/or its subsidiary, Fidelity and Deposit Company of Maryland with A.M. Best Financial Strength Rating of A (Excellent) and with a financial size category of XV (\$2 billion +) is capable of obtaining a 100% Performance Bond and 100% Labor and Materials Payment Bond in the amount of the anticipated cost of construction, and said bonds will cover the Project and any warranty periods on behalf of the Contractor, in the event that such firm be the successful bidder and enter into a contract for the referenced project subject to our acceptable review of the contract terms and conditions, bond forms, appropriate contract funding and any other underwriting considerations at the time of the request.

Our consideration and issuance of bonds is a matter solely between Fielder's Choice Enterprises, Inc. and ourselves, and we assume no liability to third parties or to you by the issuance of this letter.

We trust that this information meets with your satisfaction. If there are further questions, please feel free to contact me.

Sincerely,
Zurich American Insurance Company
Fidelity and Deposit Company of Maryland

A handwritten signature in blue ink that reads "Theresa S. Stump".

Theresa S. Stump, Attorney-In-Fact



A Design-Build Project

3.3 OFFEROR'S TEAM STRUCTURE



3.3 Team Structure

Introduction

The FCE Team offers VDOT a highly qualified team of pre-construction professionals and quality assurance professionals collaborating with an optimum-sized, highly motivated, and strategically located SWaM construction company for your project.

The Zion Crossroads D-B project is a perfect match for FCE capabilities and past experience. The estimated D-B project construction value and the associated scope of work correlate to FCE project scale, and this project is located in our “backyard.” FCE has the experienced personnel and has assigned the proper project leadership to effectively manage the design and construction of the project. FCE has a history of delivering hundreds of construction projects in central Virginia for public and private clients. FCE will be the design-builder under contract to VDOT for the Zion Crossroads Project and will sub-contract pre-construction duties to The Louis Berger Group, Inc. (LBG). FCE will separately contract quality assurance duties to NXL Construction Services, Inc. (NXL), and NXL will act independently of construction operations. The table below summarizes the general team structure.

The Fielder’s Choice Enterprises, Inc. Team	D-B Project Management
The Fielder’s Choice Enterprises, Inc. (FCE)	Project construction and construction management
The Louis Berger Group, Inc. (LBG)	Project design and pre-construction services management, Quality control inspection construction
- Greenhorn & O’Mara (G&O)	Utility design, utility coordination, ROW acquisition services
- Pape & Company	Review Appraisals
- Froehling & Robertson, Inc. (F&R)	Pre-construction geotechnical engineering and materials analysis
- Hurt & Proffitt, Inc. (H&P)	Surveying (pre-construction and construction)
NXL Construction Services, Inc. (NXL)	project quality assurance management construction
- S&ME, Inc.	Quality Assurance Materials Testing

3.3.1 Key Personnel

The FCE Team comprises highly qualified and experienced engineers and construction professionals who have successfully completed hundreds of VDOT transportation projects. Each key individual was selected to join our team based on his/her individual expertise. Detailed résumés for the key personnel are provided in the required attachment 3.3.1., and additional information regarding key personnel is given below. The FCE Team recognizes these key individuals are supported by additional personnel, and an overview of support personnel qualifications are shown below as well.

Donald R. Cantore is designated as the **Design-Build Project Manager (DBPM)** for the Zion Crossroads Project and is also the president of FCE. Mr. Cantore has worked in the construction industry since 1978 and has a demonstrated knowledgebase of the construction industry. Mr. Cantore possesses a vast array of technical and managerial skills garnered thru a progressively responsible work history in the transportation and civil works construction industry. Early in his career he worked as a field engineer, design engineer, and construction project engineer. He acquired additional skills while working as a contract administrator, estimator, and construction project manager. While working for Falconer Construction Company his technical skills and managerial talents prompted a promotion from senior project manager to Vice President of Operations. Joining FCE in 2007 as Vice President of



Operations, he has lead FCE thru a period of growth in the construction market despite harsh economic times. Due to Mr. Cantore's demonstrated managerial skills and a complete understanding of successful construction project delivery methods and approaches, FCE leadership promoted Mr. Cantore to President.

Mr. Cantore has led successful delivery of several VDOT projects for example: University Boulevard in Prince William County, Route 649 and 5th Street Extend Reconstruction in Albemarle County, U.S. Route 33 Widening in Greene County, and U.S. Route 522 in Louisa County. He has proven managerial capabilities, often running the operations of a company while providing project management for ongoing projects. Two example VDOT projects he completed during his role as Construction Project Manager are the Bluefield Bypass which included more than 1.5 million cubic yards of excavation, including 750,000 cubic yards of rock excavation; and the U.S. Route 522 Project from Mineral to Dickenson Store. The U.S. 522 Project involved the reconstruction of 5 miles of primary road and included construction of one of the longest single-span bridges in Virginia. The construction was completed while under traffic, met strict schedule constraints, and came in on budget.

As president of FCE and as DPBPM, Mr. Cantore is very passionate about this opportunity. Most assuredly should FCE be selected for the Zion Crossroads D-B, your project will be a focal point of FCE operations, and the proposed FCE design-build team.

Jim Collins, Construction Manager (CM) for this project, acts as project superintendent for FCE. He will be the on-site everyday extension of the DBPM while the project is under construction. He has diverse experience working with VDOT projects, including serving as a senior VDOT inspector, and inspecting, advising, and working as a construction manager. His expertise in mitigating delays and troubleshooting complications involved with all projects comes from more than 30 years of experience scheduling and organizing construction projects. He will be an able asset by virtue of his experience with local projects, including Georgetown Road Widening, where he worked closely with VDOT's ACE and CM to complete that project within the early milestone completion date. All CPE scores were above 95 percent. He acted as assistant construction project manager on the West Ox Road Widening, a significant urban widening project with a significant intersection with U.S. Route 50. An efficient leader, he will make sure the entire FCE Team coordinates on project deliverables. Mr. Collins works directly for Don Cantore, DBPM for this project assignment.

Michael Saunders, PE, independent **Quality Assurance Manager (QAM)** for the project, works out of NXL's Richmond office and is a licensed engineer in Virginia and a CMAA Certified Construction Manager. Before working for NXL, he spent his entire career working as a VDOT construction engineer, progressively reaching project control engineer/area construction engineer level for design-build (DB) and locally administered projects for Richmond District. Having managed DB projects while working for VDOT, he knows first-hand the VDOT quality assurance requirements.

NXL has worked on more than a third of the VDOT DB projects awarded since 2009. Moreover, NXL is currently providing full QA services on four VDOT contracts. No other firm under consideration for the project has more experience than NXL in providing complete QA services on VDOT DB projects.

Design Manager (DM) John Vandergriff, PE, will report directly to the DBPM and has proven design and design project management experience with VDOT transportation projects. A 20-year veteran of the transportation design industry, John will serve the DBPM from the LBG Richmond office, located 50 miles from the Zion Crossroads project. More than \$70 million in construction projects for which Mr. Vandergriff served as the design project manager are presently under construction, and he also served as responsible engineer in charge on many of these projects. His direct hands-on involvement in his designs is a hallmark of his service capability.



Mr. Vandergriff is exceedingly familiar with the VDOT perspective of DB, as he led the preliminary design team for the U.S. Route 50 Lee-Jackson Highway project (UPC 68757), which is in DB construction in NOVA District. Mr. Vandergriff he led the efforts to prepare the RFQ and RFP plans for this DB project, and he also assisted with reviews of DB offeror's materials, responded to technical inquiries, and performed certain bid analysis for the owner.

Mr. Vandergriff's roadway/highway design track record includes interchange design, arterial design, and Interstate design. In his 14 years of true design project manager experience, he has been responsible for scope, schedule, budget, and plan deliverables for his clients. Mr. Vandergriff's understanding of VDOT design practices, construction sequencing, and public involvement will prove instrumental to the success of the project, and he will work very closely with the DBPM in a collaborate approach to make the project a success. Mr. Vandergriff's resume is included in Appendix I.

Steve Houchens, Public Relations Manager (PRM) of FCE, will serve as the PRM for the Zion Crossroads project. A graduate of Virginia Commonwealth University with a BS degree in mass communications, he has more than 18 years of experience in marketing and business development. A real plus to the FCE Team includes six years of prior experience as a vice president of operations in sales and marketing for Spring Creek Land Development, the large development project located at Zion Crossroads and adjacent to the PROJECT location. By virtue of his location and experience with the local community, he provides a value resource to the FCE Team. Mr. Houchens provides public relations services for FCE as part of his position within FCE. Having the PRM of FCE is very advantageous to our DB team because it promotes built-in public relations responsiveness for the DBPM, and the public that Mr. Houchens will be serving are his neighbors, past clients, and FCE customers in central Virginia.

Support Personnel

Supporting LBG as a **Technical Advisor for Diverging Diamond Interchanges (DDI)** is **Dr. Joseph Hummer**. Dr. Hummer is a professor of civil engineering at North Carolina State University. He has taught and researched traffic safety, traffic operations, highway design, and transportation policy at NC State since 1992. He is one of the world's leading researchers in the area of unconventional intersections and interchanges, including DDIs. He was a co-author of the recent and authoritative Federal Highway Administration (FHWA) publication, *Alternative Intersection and Interchange Informational Report*, which included a chapter on the diverging diamond. Dr. Hummer is currently the principal investigator on the large FHWA project to examine the operational and safety effects of DDIs. He has visited seven of the nine DDIs currently operating in the U.S., and his team has collected data at six of those interchanges. Dr. Hummer taught many short courses in VA for the Transportation Training Academy through the years, including one on unconventional intersection and interchange designs in 2010. Dr. Hummer will advise the DM and the LBG design team to vet the LBG-designed DDI.

Transportation/Roadway Task Manager, Mark McElwain, PE, will be responsible for transportation engineering and transportation task management. His technical experience includes a focus on geometric design, interchange design, traffic engineering, drainage design, and construction plan preparation. Mr. McElwain has more than 17 years of experience designing projects for state and local agencies. He has designed various interchange types, including cloverleaves, split diamonds, diamonds, and partial cloverleaves. Mark is currently the project manager and engineer of record for the Telegraph Road Widening and Culvert Replacement Project located in Fairfax County (UPC 96509).

Drainage Task Manager, Charles (C.B.) Smith, PE, will be in charge of LBG drainage activities, including drainage design, erosion and sediment control, and SMW. Charles has more than 13 years of drainage design experience and has been in responsible charge of drainage design for several projects,



most recently U.S. Route 50 Lee-Jackson Highway (UPC 68757), U.S. Route 29 and Gallows Road (UPC 11395), and Telegraph Road Widening (UPC 58453). Charles is also an expert with the GEOPAK Drainage platform used by VDOT.

Geotechnical, Design Materials Testing will be led by **Clyde Simmons, III, PE**, of F&R and is based in Crozet, Virginia. Mr. Simmons's experience related to geotechnical analysis and design includes shallow foundation analysis, elastic and consolidation settlement analysis, pavement design, slope stability analysis, reinforced slope design, and retaining wall design. He is experienced and knowledgeable with development of subsurface exploration and testing programs in accordance with VDOT's Manual of Instructions (MOI) for pavements, bridges, slopes, embankments, and retaining walls. He also has expertise with soil improvement analysis including lime and cement stabilization, wick drains, stone columns, geopiers, dynamic compaction, grouting, ground freezing and design using geosynthetics

The **Utility Relocation Design and Coordination** lead, **David Malinoski, PE**, of G&O, has more than 32 years of extensive experience in management, design, and coordination for public and private clients, including VDOT and other municipal clients. His experience includes utility coordination, utility locating, utility relocation design (water, sewer, gas, electric, and telecommunications), establishing utility corridors, analyzing utility conflicts, conducting utility field inspections, coordinating the relocation of existing utilities, and reviewing utility relocation plans and estimates. His extensive utility experience includes several innovative delivery, DB, and public-private projects, including Route 895 Pocahontas Parkway, Jamestown 2007, Treyburn Drive, I-81 Truck Climbing Lanes (Rockbridge), I-295/Meadowville Interchange, and the I-495 Capital Beltway HOT Lanes Project.

Right-of-Way Manager/Fee Appraiser Evelyn Jones oversees and manages all aspects of G&O right-of-way contracts being performed for VDOT and other clients, including appraisals, appraisal reviews, negotiations, relocations, eminent domain, titles, and closings. Ms. Jones has extensive experience in all disciplines of the ROW process for transportation projects as a result of her 30 years with VDOT. She was responsible for the relocation, negotiation, appraisal, legal, and property management functions on multiple projects during that time. She is a Virginia-licensed ROW appraiser and real estate agent. Her ROW experience at G&O includes several innovative delivery, DB, and public-private projects, including Treyburn Drive, Jamestown 2007, Dulles Metrorail Extension, and the I-495 Capital Beltway HOT Lanes Project.

G&O will contract **Karen Pape, MAI, SRA**, for fee appraisal support. Ms. Pape is President of Pape & Company and has been involved with real estate for 23 years. She is a prequalified appraiser with VDOT and is experienced in appraising residential, commercial, industrial, and conservation easement properties. Ms. Pape and her firm have teamed with G&O on several VDOT projects, including the I-495 Capital Beltway HOT Lanes Project, Virginia Capital Trails-Sherwood Forest Phase, Route 218 in Stafford, and 10th Street in Roanoke.

Our **Surveying** task manager is **Troy D. Williams, LS**, manager of H&P's survey department in Lynchburg. He has served as a survey field crew member, party chief, coordinator of H&P's six survey field crews, and computations technician, and is especially proficient in the in-house processing of field data. Mr. Williams has had a direct role in many of Hurt & Proffitt's largest surveying projects over the past 21 years.



3.3.2 Functional Relationships/Team Interaction

Donald R. Cantore (DBPM) reports directly to the assigned VDOT Project Manager and will ensure the delivery of the project per the FCE/VDOT contract. Within the confines of the project, the PRM, CM, QAM, and DM will report directly to Mr. Cantore. Within the FCE organization the PRM and the CM already report to Mr. Cantore. He has full and complete authority for design and construction project issues as well as contract authority with VDOT. The DBPM and the DM will have a close functional working relationship for all the pre-construction activities on the project.

Jim Collins (CM) reports directly to the DBPM. Mr. Collins will lead the day-to-day operations of the construction of the project and lead internal quality control activities. During the design stage of the project, the CM, DBPM, and DM will work collaboratively to link design activities to construction approaches. Quality control inspectors will also report to Mr. Collins, as well as any construction surveyors that may be required.

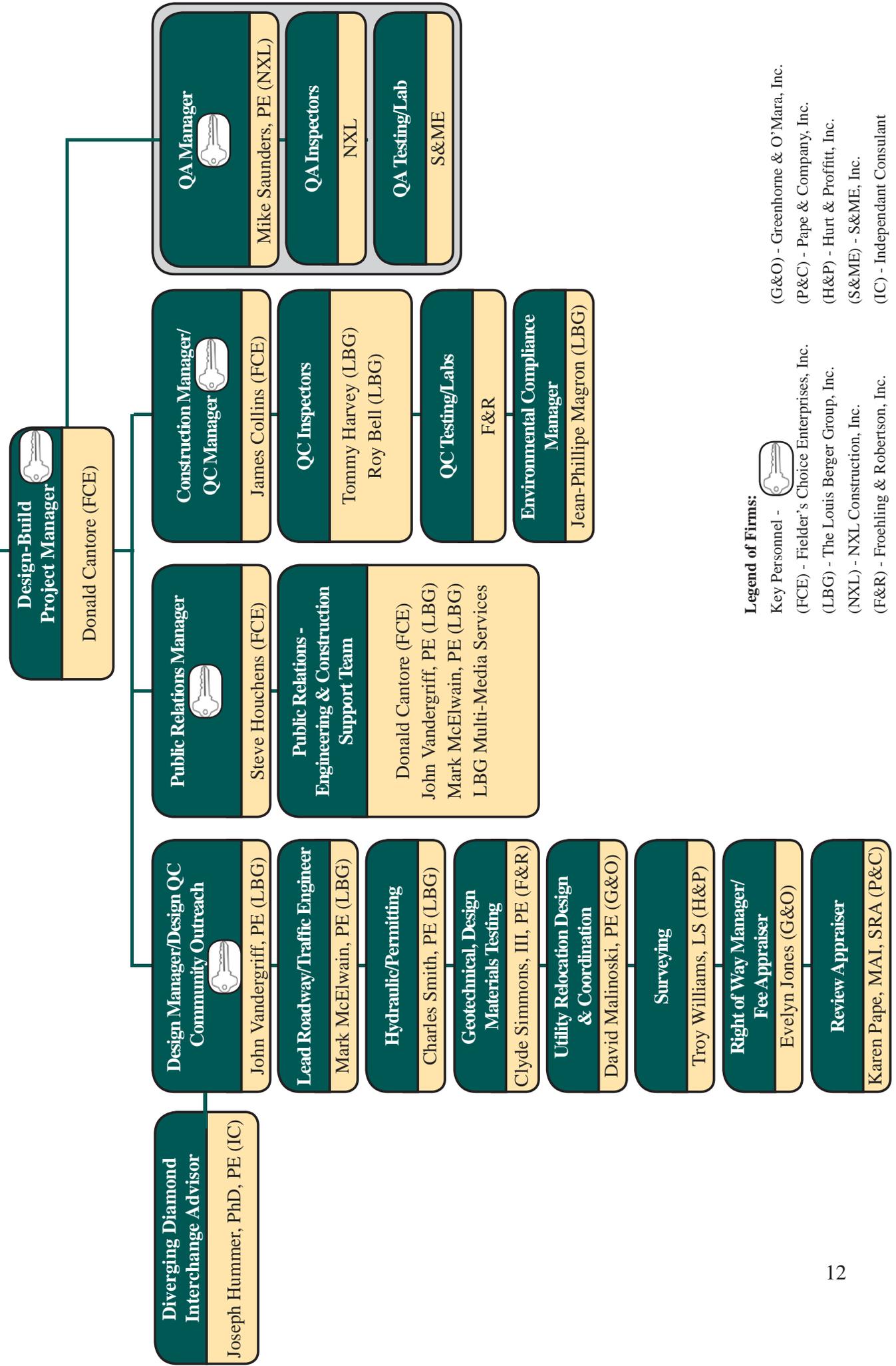
Michael Saunders, PE (QAM) reports solely to the DBPM and will be separated from FCE construction and design operations. Mr. Saunders will be responsible for Quality Assurance during construction. The independent testing and materials analysis, part of the QAM duties, will be performed by S&ME under sub-contract to NXL. Michael may have direct and independent contact with VDOT as needed. Mr. Saunders will facilitate communication among the DBPM, the CM, and VDOT.

John Vandergriff, PE (DM) reports directly to the DBPM and will hold several responsible charge duties for the project. He will lead all pre-construction activities, including those related to true design and activities ancillary to design such as R/W acquisition, surveying, and utility relocation. He will support the PRM by providing technical input, public involvement, and various engineering graphics. Mr. Vandergriff will work with the DBPM and the CM during pre-construction activities and providing design support during construction. Communication between the design team and the construction team will be facilitated via the DM

The support personnel and task managers identified above will report to Mr. Vandergriff, except S&ME, who will report directly to the QAM as an independent team member. The firms associated with the support personnel – Froehling & Robertson, Inc.; Greenhore & O'Mara, Inc.; Hurt and Proffitt, Inc., and Dr. Hummer will be sub-consultants to LBG. The review appraisals for the project as conducted by Pape & Company, Inc. will performed directly for Greenhore & O'Mara, Inc. and as such there will be no sub-consultant agreement directly between LBG and Pape & Company.

Steve Houchens (PRM) reports directly to the DBPM and will lead media relations, public involvement, and public outreach for the project team. Mr. Houchens is an employee of FCE and he will lead the public relations team, composed of the DBPM, the DM, and the Roadway Task Manager.

Team Organization Chart 3.3.2



Legend of Firms:



- Key Personnel -
- (FCE) - Fielder's Choice Enterprises, Inc.
- (LBG) - The Louis Berger Group, Inc.
- (NXL) - NXL Construction, Inc.
- (F&R) - Froehling & Robertson, Inc.
- (G&O) - Greenhorne & O'Mara, Inc.
- (P&C) - Pape & Company, Inc.
- (H&P) - Hurt & Proffitt, Inc.
- (S&ME) - S&ME, Inc.
- (IC) - Independent Consultant



A Design-Build Project

3.4 EXPERIENCE OF OFFEROR'S TEAM





3.4 Experience of Offeror’s Team

The FCE Team delivers projects, and our team is decidedly motivated to deliver this project. As the design-builder FCE offers more than 20 years of company experience in building projects in central Virginia, and FCE is led by a 30-year veteran of the construction industry, Don Cantore. FCE is a SWaM contractor, and we believe that we are optimally sized for the project. QAM services are the core business of NXL Construction Services, Inc., a Disadvantaged Business Enterprise (DBE) firm, with a former VDOT construction engineer, Mike Saunders, leading quality assurance services for the project. LBG has more than 58 years of transportation design experience, more than a dozen years of DB experience, and has served VDOT for more than 25 years from their Richmond office. LBG is consistently ranked in *Engineering News Record* as one of the largest consulting firms in America, and was ranked No. 5 by ENR in Transportation Design.



FCE is proud of the quality of our work, the excellent personnel on staff, and our availability of resources, which capably provide service to the satisfaction of clients, especially VDOT. Our heavy equipment, rolling fleet, and miscellaneous tools have a replacement value of approximately \$4,000,000. With this support we fulfill all the necessary requirements for the completion of the project.

FCE very recently completed several VDOT projects of similar scope, size, and complexity, and with every project delivered, our performance has consistently enhanced our reputation. FCE’s VDOT Contractor Performance Scores (CPE) scores routinely surpass 90 percent and are depicted below.

VDOT Route	Project Name	Location	CPE Score (%)	Date
*VDOT - Route 256	Weyers Cave	Augusta County	99.52	8/2008
VDOT – Route 250	Churchville Ave	City of Staunton	96	1/2012
VDOT – Route 743	Mills Bridge	Albemarle County	84.6	1/2012
VDOT – I-64	5th St. WBL	Albemarle County	95.6	1/2012
VDOT – I-64	Shadwell EBL	Albemarle County	91.1	1/2012

*Award Winning Project

FCE has excellent VDOT construction experience. VDOT awarded FCE Staunton District’s Best Completed Construction.

Evidence of FCE’s capable experience includes our ability to complete projects **early** and on time. For example, FCE received a \$100,000 incentive for an early completion milestone during the Churchville Avenue project in Staunton. Using efficient daily lane closures and re-sequencing critical construction activities, FCE completed the project safely and four months ahead of schedule.

(More details regarding this project are included in the Work History Forms)

FCE has the demonstrated experience to recognize issues and solve problems without delaying construction. In the Shadwell Intersection project located only two exits west of the Zion Crossroads project, FCE discovered that because of a VDOT plan error, it was necessary to excavate approximately 40,000 cubic yards of extra material (increasing the scope of work by 21 percent). FCE still completed this project on time, even with restrictive work hours of 9:00 AM to 3:00 PM. FCE continually partnered with VDOT until all issues were resolved.

Randy S. Kiser, PE, had this to say about our demonstrated experience:

“(FCE) was recognized for the Best Project in the Verona Residency in the Staunton District for the Route 256 Project located in Augusta County. We want to thank Fielder’s Choice for producing a quality product, and I am enclosing a certificate in appreciation.”



FCE has previous experience working on DB projects such as Sunchase Apartments Site Work, which had a contract value of \$2,028,315. During the planning stage Don Cantore was charged with formulating a “hard” construction budget and preliminary schedule for the site work. Mr. Cantore also evaluated the construction plans for constructability, sequencing, maintenance of traffic (MOT), and pedestrian access. When the project was given the green light, Mr. Cantore prepared the final price for construction and assembled the final construction schedule. During construction Mr. Cantore served as the project manager and performed all the PM duties required, including attending owner meetings. This project was completed on time and on budget.



THE Louis Berger Group, INC.

LBG (Richmond office) is experienced in delivering VDOT design projects, and several designs are currently under construction. The DM for this project, John Vandergriff, PE, managed the design of most of these recently completed or substantially completed VDOT projects. As noted below, all of these recent, relevant, and substantial projects had overlapping milestone deliverables and all were completed within budget.

- ✓ UPC 11395 and UPC 88600, U.S. Route 29 and Gallows, Roadway Design, MOT/Sequence of Construction (SOC), Drainage, E&S, stormwater management (SWM), Public Involvement. *Design completed 2010*. LBG is providing design support for construction and *construction is underway*; managed by John Vandergriff.
- ✓ UPC 16519, Huguenot Route 147, Roadway Design, MOT/SOC, Drainage, SWM, Public Involvement. *Design completed 2010*. LBG is providing design support for construction and *construction is underway*; managed by John Vandergriff.
- ✓ UPC 96509, Telegraph Road at Van Dorn, Roadway, Drainage, Signals, Traffic, E&S, MOT/SOC. *Design scheduled for completion spring 2012; PAC scheduled*. LBG is providing design support for construction and *construction is underway*; originally managed by John Vandergriff and now managed by Mark McElwain.
- ✓ UPC 68757, U.S. Route 50/Lee-Jackson Highway, Roadway, Drainage, Traffic, Bridge, Culverts. *Design completed 2009*. VDOT changed delivery method to DB, and *design-build selection* was in 2011. LBG provided minor support during DB delivery; managed by John Vandergriff.

LBG D-B experience in our domestic markets can be leveraged for the Zion Crossroads project. The items below highlight some of LBG’s recent domestic D-B project experience.

- ✓ **Interstate 80 - Design-Build – (Owners Designer and Representative)** LBG is owner's representative on Nevada DOT's first design-build project, as a sub-consultant to WSA. LBG primary responsibilities include review of and recommendations for improving upon NDOT designed roadway and drainage concepts, preparation of permanent guide sign plans, maintenance of traffic concepts, verification of construction estimates, as well as preparation of graphics and other project exhibits in support of the environmental process.
- ✓ **U.S 1 Martin's Point Bridge Design-Build (Owner's Representative) / Falmouth-Portland, ME** LBG is under contract to Maine DOT to provide design-build support services for the replacement of the Martin's Point Bridge - a 1,440' bridge over the Presumpscot River. LBG is providing conceptual bridge plans and initial roadway designs and determining R/W impacts for the d-b project. LBG is providing project cost estimates, public hearing plans, and assisting Maine DOT with public involvement activities.
- ✓ **Piscataquis River Bridge Design-Build / Howland, ME** LBG is the lead designer on the D-B team under contract to the builder, Cianbro. The LBG/Cianbro team was selected by Maine DOT using the best value method. This \$11M project carries US Route 116 (Coffin Street) over the Piscataquis



River. The project design includes replacement of the existing three-span steel truss bridge with a new three-span, 582-foot long, haunched steel girder bridge to improve flood conditions, aesthetics and maintainability, and includes retaining walls along the approach to minimize Right-of-Way impacts.

- ✓ **Pocahontas 895 / Richmond Airport Connector Road Design-Build –Independent Engineer (Owner’s Rep)** LBG provided Independent Engineering Services for TransUrban on the Richmond Airport Connector Road Design Build Project. The 1.6-mile Airport Connector Road is a direct link between the Pocahontas 895 and Charles City Road at Airport Drive to lead traffic directly to Richmond International Airport. The \$45 million project included acquisition of rights of way and related construction and administrative costs. The road opened to traffic in January 2011, ahead of schedule. LBG was appointed as the Independent Engineer (IE) for this project.
- ✓ **LBG 125/136 Design-Build / Freeport, ME** LBG is the lead designer on the D-B team under contract to the builder, Shaw Brothers. The LBG/Shaw team was selected by Maine DOT using the best value method. The project includes design and reconstruction of 3 miles of urban collector and rehabilitation/reconstruction of the Collins Mille Bridge in the Town of Freeport. LBG design efforts include LRFD bridge design, drainage design, extensive roadway design to improve horizontal & vertical geometry, and private utility relocation.
- ✓ **I-295 Connector Design-Build / Portland, ME** LBG is the lead designer on the D-B team under contract to the builder, Cianbro. The LBG/Cianbro team was selected by Maine DOT using the best value method. The project included design and construction of nearly 2 miles of roadway, 3 traffic signals, multi-use trail, and three new bridges over existing R.R. LBG served the D-B team as the lead designer for the project as well as to the builder for extensive public participation and mandatory partnering with Maine DOT.



NXL has worked on more than a third of the VDOT DB projects awarded since 2009. Moreover, NXL is currently providing full QA services on four VDOT contracts. No other firm under consideration for the project has more experience than NXL in providing complete QA services on VDOT projects. For the *I-81 Safety Improvement Project (Truck Climbing Lanes)*, *Montgomery County, Virginia*, NXL is providing Quality Assurance Management on this \$75 million project, which consists of adding an additional lane to I-81 through 5 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. NXL provides a QAM and 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, and 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.

3.4.1 Attachments

The Lead Contractor Work History Forms (Attachment 3.4.1[a]) and the Lead Designer Work History Form (Attachment 3.4.1 [b]) are included in the Appendices as required.



A Design-Build Project

3.5 PROJECT RISKS



3.5 (3.5.1) Project Risks

As per the project solicitation Section 3.5, the FCE Team comprehensively investigated the project for multiple risk elements within a range of disciplines, activities, functions, and roles. Generally, our team concludes that the project has NO risk elements that cannot be mitigated by a highly qualified DB team.

The FCE Team explored several concerns for the project. Small engineering teams worked collaboratively on several items to ascertain the associated level of risk. The listing below briefly describes our findings.

- DDI Design – LBG reviewed the RFQ documents, RFQ plans, and project website and determined that although the concept is new to Virginia, the design concept of the DDI is NOT a critical risk element. Many potentially critical risks of a DDI application for the project have already been mitigated, such as:
 - VDOT (owner) vetted the design for traffic operations and prepared detailed RFQ plans.
 - VDOT already implemented an aggressive public involvement task to share the design concept with the public, local governments, adjacent businesses, and property owners for this unique design via website, meetings, animations, etc.
 - VDOT and FHWA have concurred via the Interchange IMR the applicability of a DDI to the project.
- Upgrade of existing parapet walls of U.S. Route 15 over I-64 bridge (the existing parapet does not meet current VDOT and FHWA standards) – FCE Team reviewed the project data and determined that should the owner require the upgrade, it will have a slight impact to the project and poses no critical risk.
- Earthwork Surplus Material – The RFQ indicates there will be surplus material from the project. FCE has confirmed that haul distances and securing disposal sites will NOT be a critical risk element for the project.
- Project Site Drainage and Storm Water Management – FCE’s Lead Designer LBG reviewed the available project information and made two site visits to investigate and verify drainage and SWM potential risks. LBG determined that there is some concern regarding the capacity of the existing pipes along U.S. Route 15; however, drainage elements and SWM are not a critical risk to the project.
- General Strategy of Constructability – FCE and LBG staff reviewed the RFQ documents provided, the RFQ plans, and visited the project. They determined that the overarching approach to the sequence of construction is sound, and the overall build strategy is not a critical risk. However, there is a series of critical sub-elements within the constructability sphere that have been identified as a critical risk and will be explored subsequently.
- Status of Level of Service (LOS) Waiver – In sections VII.A and VII.D of the IMR, the FCE team noted VDOT requested a waiver from FHWA to allow the side street minor traffic movements to operate below LOS C, specifically at the Spring Creek Parkway/Camp Creek Parkway Intersection. The FCE Team anticipates that this waiver will be or has been granted for the project. FCE/LBG anticipates that VDOT would help facilitate this waiver approval should it fall to the successful DB team. Therefore this risk element was not deemed a critical risk to our DB team, but rather a greater risk to the project owner.
 - Wet *in situ* Material – The RFQ documents indicate some generally wet material within the project site. FCE has reviewed the documentation and the associated sequence of



construction and determined that handling and manipulating wet *in situ* materials will not pose a critical risk element for the project.

As evidenced above, the FCE Team earnestly explored potential risks associated with the project. Several of these threats have been identified and explored with a seriousness fitting for project success, as shown above; however, the FCE Team did not deem those items as critical risks. After review of the project documentation, three site visits, and team collaboration sessions, the FCE Team has identified the three most relevant and critical risk elements for a successful project as:

- 1. Public Involvement/Motorist Education**
- 2. Select Sequence of Construction Operations**
- 3. Mid-term DB DDI for Long-Term Viability**

Critical Risk 1 – Public Involvement/Motorist Education

The project proposes a DDI at the grade-separated intersection of U.S. Route 15 and I-64. Although design/construction/operation of this interchange type has been used sparingly in other states, a DDI does not exist in the Commonwealth. Furthermore, in this region of Virginia, most interstate interchanges operate very traditionally and simply from a motorist’s perspective. A critical project risk will be involving the public while the project is under construction and preparing the motoring public to use a DDI.

Understanding the critical and relevant nature of public involvement for the project requires an understanding of the location, land use, and ridership that will use this unique infrastructure. U.S. Route 15 is a major south-north route crossing the Piedmont landscape and provides access to I-64 through a generally rural but urbanizing population. Zion Crossroads is a true crossroads—U.S. Route 15 south to north and I-64 west to east. The area immediately surrounding the project site has experienced tremendous growth over the past decade and is a growth pole for development in Louisa County, as evidenced by the recent construction of the Wal-Mart distribution center, big box retailers such as Wal-Mart and Lowe’s, Spring Creek Business Park, the UVA kidney dialysis facility, and a large residential development/golf course at Spring Creek. Also on the northern side of I-64, the Piedmont Crossroads Tourist Information Center has been created to attract and serve the tourist industry at the “crossroads.” On the southern side of I-64, fast-food restaurants and a large truck stop at Crossing Pointe have been significant trip attractors for some time now, and the southern portion of the project site is slated for growth as U.S. Routes 250 and 15 intersect near the southern project termini. As noted above, the project will serve many different types of users and motorists, such as:

- Through trip/non-local trucking – Crossing Pointe truck stop
- Concentrated local trucking – Wal-Mart Distribution Center
- Tourists – Piedmont Crossroads Tourist Information Center
- Residential and office park motorists – Spring Creek
- Commercial/shopping trips from rural areas to the Zion Crossroads – Wal-Mart, Lowe’s, other big box stores
- Health care – UVA Medical Dialysis

This wide range of adjacent property/business owners and the types of drivers will need to be kept informed during construction and educated about the operational characteristics of the built DDI. The DDI is a very good interchange type for the project, and the DDI has been vetted by the owner and FHWA for applicability at this location; however, the critical and relevant risk element is public involvement during and following construction. A poor public involvement and driver education plan



may have a significant adverse impact on the owner, the community, and key businesses, and erode confidence in VDOT and FHWA. Simply stated, the DDI is a good and appropriate design, but “selling the public” on the DDI is critical to the success of the project as a whole. *VDOT and the Zion Crossroads businesses and community need to perceive the DDI as a good, safe, and appropriate upgrade.* FCE and LBG will “make the sell” and minimize the likelihood that additional efforts will be needed by VDOT during construction and once the project is complete.

The FCE Team understands that in order to mitigate any risk, the risk needs to be placed on the entity that can handle that risk best. The FCE Team has selected Steve Houchens as the PRM for the project. Mr. Houchens is the development manager for FCE, and his chief duties are communications and public relations for FCE. Mr. Houchens represents FCE and FCE projects with the general public and various boards and commissions on a regular basis. As FCE does a significant amount of work for private-sector development clients, Mr. Houchens and FCE are accustomed to representing their projects in the public eye independently, not depending on significant project owner involvement. Mr. Houchens has represented FCE projects for board of supervisors meetings, planning commissions, home owner associations, development interests, businesses, and the like. Formerly, Mr. Houchens served as vice president of operations for the Spring Creek Land Development at Zion Crossroads, so he is exceedingly familiar with the local flavor and needs of the Zion Crossroads public community and business interests. He works in the same Charlottesville office of FCE as the DBPM, Donald Cantore, and as such will work closely with him to coordinate project activities with the public.

FCE recognizes that Mr. Houchens’s expertise is not in engineering but in public relations, so the DM, John Vandergriff of LBG, will closely support Mr. Houchens with technical information, project renderings, engineering graphics, and other materials. Mr. Vandergriff excels in the role of public involvement technical support, and over the past five years has performed these duties for Huguenot Bridge (UPC 16519), U.S. Route 29 and Gallows (UPC 11395, U.S. Route 50/Lee-Jackson (UPC 68757), Telegraph Road (UPC 58453), and various additional City of Richmond projects.

The FCE Team mitigation strategy for public involvement and motorist education includes these basic elements:

- Qualified and experience public relations team led by Steve Houchens (PRM) and including the DBPM and DM. The public involvement aspect of the project is too critical to be sub-consulted to another team member.
- PRM will maintain a “call for questions” phone service for members of the media, project owner public relations personnel, and the general public. This will be a general point of service for motorists and the community.
- Community outreach during construction using on-site public information meetings and regular small, group stakeholder communications with Wal-Mart, Wal-Mart Distribution, Piedmont Crossroads Tourist Information Center, and the Crossing Pointe truck stop, among others.
- Owner outreach during construction providing associated press release content, graphics, and perhaps animations for posting on VDOT’s website detailing traffic pattern changes and construction updates.
- A “driver education” pamphlet outlining DDI operations from a motorist perspective.
- Project update fliers for distribution at the Piedmont Crossroads Tourist Information Center, retailers, and the Crossing Pointe truck stop.
- The FCE Team may also prepare a series of color display renderings to place at various locations and will consider developing a “windshield animation” of the project for continued motorist education.



Critical Risk 2 – Select Sequence of Construction Operations

The FCE Team reviewed the associated RFQ documentation, RFQ plans, and digital Microstation files provided as part of the RFQ solicitation packet. As reviewed above, the FCE confirms that the DDI design concept and overall constructability of the proposed DDI are generally sound. As our team explored the intricacies of a likely SOC for the project, we concluded that select portions of the SOC will pose a critical risk to the successful construction of the project. Briefly, the critical SOC risks are:

1. LOS/delay during a construction phase wherein all U.S. Route 15 traffic is reduced to one lane in each direction and all the south-north traffic is located on a single bridge carrying U.S. Route 15 over I-64.
2. Construction of the two crossovers wherein the crossovers are the “X” just south and just north of U.S. Route 15 bridges over I-64. These are described in the RFQ plans as area between Sta. 115+00 Route 15 NB Construction B.L. to Sta. 120+00 Route 15 NB Construction B.L., and the area between Sta. 125+00 Route 15 NB Construction B.L. to Sta. 130+00 Route 15 NB Construction B.L.

The project is impacted by the risk described in item 1 by reducing the operational capacity of the interchange during this phase of construction. Through lanes are reduced, the at-grade intersections at the ramps and U.S. Route 15 have potential for reduced capacity, and the queues generated on the I-64 exit ramps pose a most critical risk. Additionally, prolonging the duration of this phase of construction described in item 1 can have adverse impacts to the large traffic generators/attractors at the Wal-Mart Distribution Center, Piedmont Crossroads Tourist Information Center, and the Crossing Pointe truck stop. This most critical SOC phase, if not mitigated properly, may also indirectly impact the perception and applicability of a DDI and also public perception of VDOT and FHWA.

The FCE has developed a basic mitigation strategy for items 1 and 2 above:

- Pre-planning specific to this phase.
- Detailed delay analysis using planning level traffic.
- Acquiring additional traffic volume counts and measuring real life queues during previous phases of construction.
- Micro-simulations of the phase to test variables that affect traffic flow prior to implementation.
- Direct two-way discussions with major traffic generators/attractors to ascertain what time of year has the least trips, possible diversion routes, and tolerable durations of this phase.
- Field assessment of traffic flow to confirm or adjust micro-simulation.
- Public involvement outreach communicating specific aspects of this construction phase.
- Preparing granular MOT/SOC plans for the “X” with particular attention to
 - Temporary pavement needs
 - Traffic queues
 - Safe working space
 - Duration of SOC/MOT steps for each phase.
- On-site engineering/contactor collaboration during construction of the crossover “X” to enable
 - Real time adjustments
 - Real time problem/solution implementation.

Although the FCE Team strives to minimize the likelihood or the need for additional efforts by VDOT for the project, our team welcomes input from Culpepper District. Therefore, as part of our mitigation strategy for items 1 and 2 above, the FCE Team would prepare a specific SOC deliverable for these select SOC phases—including our technical findings and elements of our public involvement plan—for review and input by VDOT.



Critical Risk 3 – Mid-term DB DDI for Long-Term Viability

The proposed DDI design, which is the preferred method of interchange reconstruction at Zion Crossroads, makes the most efficient use of the existing diamond configuration and remaining service life of the U.S. 15 bridges over I-64. The FCE Team understands the attractiveness this interchange type poses for the project given the value of the bridge asset and the funding available for this mid-term DB project.

After reviewing the traffic information in the RFQ documents and specifically the IMR, the FCE team noted the degradation of the LOS for the northbound and southbound through movements at both the eastbound and westbound I-64 ramps from the build year (2014) to the design year 2035. As noted in the listing below, the LOS on the U.S. Route 15 through movements all experience a degradation of LOS, whereas other traffic movements don't indicate this trend.

Traffic Information from IMR

2014 NBT at U.S. Route 15 WB Ramp PM – LOS B » 2035 LOS C
2014 NBT at U.S. Route 15 EB Ramp PM – LOS B » 2035 LOS C
2014 SBT at U.S. Route 15 WB Ramp PM – LOS A » 2035 LOS C
2014 SBT at U.S. Route 15 EB Ramp AM – LOS B » 2035 LOS C

The FCE Team understands that a critical risk to the project is the long-term viability of the DDI at this location. The south-north movements degrade more than any movements within the interchange proper, and both Louisa County and Fluvanna County have identified the U.S Route 15 corridor as a development/growth area. Additionally, the LOS in rural interchanges should be designed to provide a LOS of B. Typically, a trend such as this would be expected for most transportation projects and would be considered “background” information; however, a DDI is not a typical transportation design concept, and the proposed DDI may limit the owner's options for future capacity increases. How does one “retrofit” a DDI for increased capacity, designing and constructing a DDI now that does not preclude future operational capacity retrofits? For this project the answer lies with the existing I-64 bridges and their inter-relationship to the DDI some 300 feet from both abutments.

A big advantage of a DDI at this project location is taking full benefit of the remaining useful life of the bridges over I-64, and yet the most significant constraint on capacity of the DDI is the same bridges, as the existing bridges remain in place with no additional lanes for the south-north traffic. To increase the SB and NB through traffic LOS, an additional lane would be needed on each bridge.

The FCE Team is NOT proposing to add an additional lane to each bridge to mitigate the long-term viability of the DDI; however our team anticipates that it may be needed in the future. Our strategy will be to lay out a concept of a three-lane DDI, in which the south-north movements would have a total of six lanes, and move “backward” to a design with a four-lane DDI. This strategy should help to identify features that might preclude a future retrofit of the DDI and widening of the existing bridges. This approach may ensure the long-term viability of the owner's concept. Design and construction features that likely would be considered include:

- Bridge widening to the outside to preserve the “X” (lane crossover area).
- Superelevation for three lanes thru the “X” (lane crossover area).
- Minimal interior construction moving from the project DDI to the six-lane DDI.
- Locations and type of drainage structures.
- Internal curve radii, tangent lengths, and crossing angle of the DDI.

**3.3.1 APPENDIX I
KEY PERSONNEL RESUMES**

ATTACHMENT 3.3.1

KEY PERSONNEL RESUME FORM

Brief Resume of Key Personnel anticipated for the Project.
a. Name & Title: Donald Cantore, President
b. Project Assignment: Design-Build Project Manager
c. Name of Firm with which you are now associated: Fielder's Choice Enterprises, Inc.
d. Years experience: With this Firm <u>4</u> Years With Other Firms <u>27</u> Years Please list chronologically (most recent experience first) your employment history, position and general experience or fields of practice for the last fifteen (15) years. (NOTE: If you have less than 15 years of experience, please list all of your experience for those years you have worked.): <ul style="list-style-type: none">• January 2011 to February 2012 - Fielder's Choice Enterprises, Inc., President – Directly supervise comptroller, senior project manager, 2-estimators, operations manager and area superintendent. Responsible for all finances, operations, IT program, safety program, equipment and personnel resources. Responsible for business development. Serve as company EEO Officer. Represent FCE at all Caton Company strategic planning & budget meetings. Manage company bid schedule. Finalize all pricing for bid estimates and proposals. Serve on the BOD for the Old Dominion Highway Contractors Association.• April 2007 to January 2011 - Fielder's Choice Enterprises, Inc., Vice President of Operations; Role includes managing all company operations: Oversight of Business Operations, Accounting, Project Management, Estimating, Field Operations, Safety Program, EEO Program and Equipment purchase and management.• 2004 – 2007 – General Excavation Inc. - Executive Vice President; Managed entire Project Management Operations, Estimating Department, Safety Program Oversight of Business Operations, Field Operations & Equipment Maintenance. Managed Business Development Staff. Implemented Net Work Computer System, HCSS. Estimating System & P5 Scheduling program. Annual Volume of work in excess of \$40,000,000 and 250 Employees. Primary Source of Revenue – VDOT and site development northern Virginia. Significant VDOT Projects – University Blvd – Prince William County, New. Roadway Construction and Bridge over Int. 66. Rt. 649 – Albemarle County – Reconstruction and Upgrade of Primary Access Road to Charlottesville/Albemarle Airport. Note: Elected President of the Old Dominion Highway Contractors Association (2004). <ul style="list-style-type: none">• 2003 – 2004 – Wilkins Construction Consolidated with DLB, Inc. – Vice President; Estimated and managed all work in Northern Area (Roanoke North), including but not limited to: Project Management Operations, Estimating Department, Safety Program. Oversight of Business Operations, Field Operations.• 1996 – 2003 – Wilkins Construction – President. Managed all company operations: Accounting, Project Management, Estimating, Field Operations, and Equipment. Annual sales volume increased from \$800,000 to \$6,000,000. Employed up to 60 employees.• 1993 – 1996 – Faulconer Construction Co. Inc. – Vice President of Operations. Managed estimating and project management staff. Managed General Superintendent and Field Operations. Started as Senior Project Manager and Estimator and promoted to Vice President of Operations.

e. Education: Name & Location of Institution(s)/Degree(s)/Year/Specialization: BS/ 1978/ Agricultural Engineering/Pennsylvania State University

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

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

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

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

- **Rt. 250 City of Staunton - Churchville Ave. Virginia Department of Transportation.** (Current Firm – Fielder’s Choice Enterprises, Inc.) (9/2009 to 1/2011) This project was bid through the regular monthly VDOT advertisement. Mr. Cantore supervised formulation of the bid estimate, and then served as the project manager for the entire duration of this project. As the PM for this project Mr. Cantore scheduled and allocated all personnel, equipment and material resources needed to complete the work; managed subcontractors and developed the required P-6, Primavera schedule; worked closely with VDOT’s ACE & CM and consultant inspectors on contract quality control, quality assurance, contract management and monitored job cost and construction progress. Mr. Cantore submitted and VDOT accepted a VEP for \$40,000 that reduced construction costs and allowed FCE to complete this project several months ahead of schedule. Mr. Cantore accomplished this by re-sequencing the proposed construction phasing. In addition to my PM duties on this project Mr. Cantore also executed my company responsibilities as Vice President of Operations, overseeing and additional \$4,000,000 of contract work supervising 1 – PM, 1- Estimator, 1 – Operations Managers, 2 – Area Superintendents and 1 – shop manager and a field staff of 25. Construction cost \$2.9 million. Project completed on time and on budget with zero lost time accidents.

TWO SIMULTANEOUS PROJECTS

- **5th Street Extended – Albemarle County & Route 33– Rt. 29 to Quinque, VA in Green County. Virginia Department of Transportation.** (Faulconer Construction) (1993-1996) Both projects were bid through the regular VDOT advertisement, the same month and were constructed simultaneously. Mr. Cantore supervised formulation of the bid estimate, and then served as the project manager for the entire duration of this project. As the PM for this project Mr. Cantore scheduled and allocated all personnel, equipment and material resources needed to complete the work; managed subcontractors; work closely with VDOT’s field inspectors and project engineer on contract quality control, quality assurance, contract management and monitored job cost and construction progress. During this time Mr. Cantore was promoted to Vice President of Operations for Faulconer Construction but continued to serve as PM for these two projects as well as fulfill my duties as Vice President of Operations.

TWO SIMULTANEOUS PROJECTS

- **Bluefield By Pass – Bluefield, VA & Route 522 – From Mineral to Dickenson Store. Virginia Department of Transportation.** (Haley, Chisholm and Morris, Inc.) (1986-1993) Mr. Cantore served as project manager for both of these two totally different VDOT projects. One was located in SW VA the other in the Central Piedmont. Both projects were bid through the regular VDOT advertisement; the duration of construction for this work overlapped. Mr. Cantore prepared the bid estimates for both projects, and then served as the project manager for the entire duration of these projects. As the PM for this project Mr. Cantore supervised/managed the project superintendent, scheduled and allocated all personnel, equipment and material resources needed to complete the work; managed subcontractors; work closely with VDOT’s field inspector and project engineer on contract quality control, quality assurance, contract management and monitored job cost and progress.

ATTACHMENT 3.3.1.

KEY PERSONNEL RESUME FORM

Brief Resume of Key Personnel anticipated for the Project.
a. Name & Title: John A. Vandergriff, PE Senior Transportation Project Manager / Design Section Manager
b. Project Assignment: Design Manager
c. Name of Firm with which you are now associated: The Louis Berger Group, Inc.
d. Years experience: With this Firm <u>6.0</u> Years With Other Firms <u>14.0</u> Years Please list chronologically your employment history, position and general experience or fields of practice for the last fifteen(15) years: <ul style="list-style-type: none">• Current to 2/06; The Louis Berger Group, Inc.; Senior Transportation Project Manager / Design Section Manager; Lead and manage design of transportation projects, highway design, drainage design, SWM, E&S, traffic, MOT/SOC; responsible charge duties included; managing the engineering design section.• 2/ 06 to 4/04; VDOT Richmond District; Engineer II / Project Manager; Led Project Management Office, Managed a selection of the most risky and regionally significant projects; managed/supervised/led group of PM's in the Project Management Office (PMO); responsible for pre-advertisement design projects.• 4/04 to 1/98; Michael Baker Jr., Inc.; Senior Transportation Engineer; Progressively responsible position including all aspects of design of transportation projects (roadway, drainage, MOT, SOC, etc.); responsible charge duties and project manager duties.• 12/97 to 8/95; Wilbur Smith Associates; Transportation EIT then Transportation Engineer; Staff engineer designed and assisted with design of roadways / highways.• 8/95 to 1/92; West Virginia Division of Highways; EIT 1, 2, Staff engineer designed and assisted with design of various transportation projects and construction inspection.
e. Education: Degree(s)/Year/Specialization: B.S. /1991/ Civil Engineering/ Virginia Tech
f. Active Registration: Year First Registered/ Discipline/VA Registration #: 1997/ Engineer / 0402031149
g. Document the extent and depth of experience and qualifications relevant to the Project. <ol style="list-style-type: none">1. <i>Note your specific responsibilities and authorities for each assignment, not those of the firm.</i>2. <i>Note whether experience is with current firm or with other firm.</i>3. <i>Provide beginning and end dates for each assignment.</i> <p>(List at least three (3), but no more than five (5) relevant projects for which you have performed a similar function.)</p> <ul style="list-style-type: none">• Lee Jackson Highway U.S. 50, Fairfax and Loudoun Counties Virginia. <i>Virginia Department of Transportation.</i> (Current Firm) (January 2007 – Present) Project Manager / Design Manager. Managed consultant engineering design team activities including four sub-consultant team members in the preparation of PFI, VE plans, public hearing plans, D-B RFQ, and D-B RFP Plans for widening and reconstructing 3.5 miles of this urban principle arterial. Project began as Design-bid-build. Included within the project boundaries are three major waterway crossings, six existing at-grade intersections, and several private development projects that affect the proposed roadway design. Mr. Vandergriff was in responsible charge of the project design, and was responsible for scope, schedule, and budget. Responsible for leading design efforts on roadway, drainage, SWM, MOT/SOC, traffic. Managed internal design team members and sub-consultants including DBE traffic, bridge, survey, and SUE. Worked creatively and confidentially to develop design-build RFQ and RFP plans, identify and limit risk to VDOT for the design-build project. LBG provides support during DB construction on an as-needed basis as per request.

Brief Resume of Key Personnel anticipated for the Project.

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

4. *Note your specific responsibilities and authorities for each assignment, not those of the firm.*
5. *Note whether experience is with current firm or with other firm.*
6. *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.)

- **U.S. 29 at Gallows Road, Fairfax County Virginia.** *Virginia Department of Transportation.* (Current Firm) (April 2006 – Presently Under Construction). Managed final design activities, right of way plan production, and construction plans & documents for widening and reconstructing this urban principle arterial. The project includes multiple lane widening, raised medians, shared use paths, extensive utility coordination, and the complete reconstruction of portions of U.S. 29 and Gallows Road in the vicinity of I-495. Mr. Vandergriff served as engineer in responsible charge for roadway, MOT/SOC and served as manager as the prime consultant for the project in charge of scope schedule and budget. Mr. Vandergriff led services covering the breadth and depth of technical & developmental transportation engineering issues on the project and including the more unique items of: meeting with the VDOT R/W and individual property owners to develop design modifications to assist in R/W negotiations, reviewing and advising VDOT on private development plans including proffer language, partnering meetings with advanced in-plan utility contractor, depicting private, public, existing, proposed, and as-built utility information in cross sections; depicting over 250 utility test holes on the cross sections, coordinating and developing interim designs to allow for I-495 Hot Lane project construction. LBG and Mr. Vandergriff continue to supply design support during construction on an as-needed basis as the project was advertised for construction in 2011, design support during construction is scheduled thru 2013.
- **Huguenot Memorial Bridge, Richmond, Virginia.** *Virginia Department of Transportation (sub-consultant).* (Current Firm) (April 2006 – Present – Under Construction) Sub-consultant Project Manager. Managed final design engineering for roadway & drainage tasks including complete roadway plans, stormwater management, erosion and sediment control, signing / pavement marking, SOC/ MOT /TMP, right of way plans, construction plans and construction documents, and public hearing responsibilities. Mr. Vandergriff was in charge of the project design exclusive of the James River Bridge and in-plan utilities, and was responsible for scope, schedule, and budget. Worked interactively with Ammann & Whitney (bridge designer) throughout the project life cycle including development of key construction special provisions. Project included roadway reconstruction, realignment, and urban intersection reconstruction for this urban arterial crossing the James River. Project is currently under construction, and LBG continues to supply design support during construction.
- **I-64 Widening & Reconstruction, Chesapeake, Virginia.** *Virginia Department of Transportation* (Previous Firm – Michael Baker Jr., Inc.) (1998 – 2001) Designed significant portions for 9.5 km six-lane divided interstate widening and interchange reconstruction. Prepared Field Inspection level construction plans for the addition of an outside lane and inside HOV lanes, designed portions of two interchanges with collector-distributor roadways. Prepared advance R/W acquisition plans, designed bridge approaches for bridge spanning Elizabeth River.
- **Appalachian Corridor H (NEPA)—Engineering Avoidance Studies - Blackwater and Battlefield, Northeast West Virginia.** *West Virginia Department of Transportation, Division of Highways.* (Previous Firm Baker) (2001 – 2003) Engineering manager. Directly designed and led preliminary design of 24 miles of divided principle arterial highway through two counties in northeast part of WV. Preliminary engineering completed for over 14 different alternatives to avoid or minimize impacts to environmental resources while providing access to local existing routes. Mr. Vandergriff led and directly designed context sensitive design elements, assisted with many public meetings, and interacted with public to explain engineering aspects of projects. A preferred alternative was selected for the Battlefield project and field inspection level engineering was completed. Assignment included meetings and coordination with key WVDOH and FHWA staff. Due to the controversial nature of the project and legal arrangements between the state of West Virginia and opponents of the project, this project received very specific scrutiny during development.

ATTACHMENT 3.3.1
KEY PERSONNEL RESUME FORM

Brief Resume of Key Personnel anticipated for the Project.
a. Name & Title: Steve Houchens, Development Manager
b. Project Assignment: Public Relations Manager
c. Name of Firm with which you are now associated: Fielder's Choice Enterprises, Inc.
d. Years experience: With this Firm <u>2</u> Years With Other Firms <u>19</u> Years Please list chronologically (most recent experience first) your employment history, position and general experience or fields of practice for the last fifteen(15) years. (NOTE: If you have less than 15 years of experience, please list all of your experience for those years you have worked.):
<ul style="list-style-type: none"> • Aug. '10 – Present; Fielder's Choice Enterprises, Inc.; Development Manager; Mr. Houchens' role as a team professional encompasses all aspects of project development including company representation at Board of Supervisor Meetings, Planning Commission Meetings and Home Owner Association Meetings. Furthermore he worked with other team members with project valuation, acquisition, due diligence, master planning, permitting, brokerage, inter-company and third party coordination; an integral component of Mr. Houchens' duties requires facilitating new home builder programs in Company owned residential communities, manage raw land and re-development projects including company representation at approx. 3 Board Supervisor Meetings, 2 Planning Commission Meetings and 2 HOA Meetings. • Aug. '04-Aug. '10; Spring Creek Land Development; VP Operations/Sales and Marketing – Zion Crossroads, VA; Mr. Houchens; executive responsibilities with this residential and commercial land developer included company public relations/representation, contracting and coordinating bulk land sales with local, regional and national builder/developers; Leading and coordinating residential HOA and commercial POA programs; HUD registration; and managing the company's commercial property rentals included company public relations/representation at 20-30 public engagements (Louisa County Board of Supervisor Meetings, Louisa Planning Commission Meetings, Spring Creek Community Association Annual Meetings, Spring Creek Homeowner Advisory Committee Meetings, and Louisa County District Court)." • Nov. '02-Aug. '04; 303 Associates, LLC - Property/Project Manager, Beaufort, SC; Worked with national retailers (Stein Mart, Kmart, Talbots, Outback), local/regional retailers and residential tenants to build/design, upfit and occupy approximately 100 residential units and 120 commercial spaces for this privately held investment, development and management company. • Jan. '02-April '04; Exit Real Estate of Beaufort, Sales Representative, Beaufort, SC • Oct. '00-Jan. '02; Pam Harrington Exclusives, Inc. ,Charleston, SC; Advertising Manager/ Property Manager; Manage the advertising budget (\$250,000.00+), short-term vacation rentals, and owner/vendor relationships for 160 high-end homes and villas on Kiawah Island in conjunction with one of the leading real estate sales teams in the Kiawah-Seabrook area. • July '99-July '00; perks.com, Inc. - Manager, Travel Vendor Relations and Customer Service, Los Angeles, CA; Managed the travel vendor relations and customer service programs of this marketing Internet Company that designs, implements and maintains customer/employee loyalty and acquisition programs. Worked directly with Fortune 500 companies to achieve program goals. • Feb. '98-July '99; McLaughlin Anderson Villas, Ltd., Director of Guest Services, St. Thomas, USVI; Responsible for guest services program on six Caribbean Islands. Worked with villa staffs, local Caribbean governments and stateside, as well as international, travel vendors to maximize the most successful and exclusive villa program in the U.S. and British Virgin Islands. • May '93-Feb. '98; Fripp Island Resort - Director, Resort Rental Operations, Beaufort, SC; (Oct. '95-Feb. '98); Managed 350+ villas and homes on short term rental program, as well as 100+ property managers, customer service agents, maintenance/housekeeping personnel, etc. (Sept. '94-Oct. '95); Guest Services Manager – Management of all guest services-related departments: front desk, reservations, express check- in, and guest services agents. (Oct. '93-Sept. '94); Conference Services Coordinator - Responsible for all Company staff directives concerning group itineraries. (May '93-Oct. '93); Front Desk/Booking Agent
e. Education: Name & Location of Institution(s)/Degree(s)/Year/Specialization: B.S./1991/Mass Communication (Marketing/Advertising)/Virginia Commonwealth University, Richmond, Virginia
f. Active Registration: Year First Registered/ Discipline/VA Registration #: N/A

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

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

- **Farmville Townhouse Development at Sunchase. (current firm -Fielder's Choice Enterprises) Client - Management Services Corporation & Farmville Townes, LLC** (Sept 2011– Present - on going) Coordinate relationship with Town of Farmville to have this precedent setting townhouse development approved and accepted by Farmville Community including appearing before Farmville Planning Commission, Farmville Town Council, coordinating/implementing Homeowner Association Declaration of Covenants, utility installation relationships, and marketing relationships.
- **Wexford Development - Greene County. (current firm -Fielder's Choice Enterprises) Client Management Services Corporation** (August 2010 – Present – on going) Represent Development Company in relationship with Greene County (including appearances before Greene County Planning Commission, County Council, etc.), manage vendor relationships in Development (HOA Management Company, Utilities, Marketing, Home Builders, etc.) and represent Developer on Homeowner Association Board and Landscape-Architectural Control Board (review all LACB submittals and correspond with applicant), coordinate all external marketing efforts and represent Development Company in public relations efforts (Community Open Houses, Philanthropic endeavors, Community Meetings/Events, etc.).
- **Spring Creek Golf Course and Housing Development – (other firm Spring Creek Land Development) Client – Spring Creek Associates** (August 2004 – August 2010) Coordinate and represent Development Company in all public communication efforts (Louisa County Planning Commission, Board of Supervisor Meetings, etc.), coordinate and represent Development Company in legal efforts (Greensprings vs. Louisa County and Spring Land Development, LLC), coordinate and represent Development Company in all Company Public Relations Efforts (Spring Creek 5K, Community Open Houses, School Board/Education Initiatives, etc.). Manage vendor relationships in Development (HOA Management Company, Utilities, Marketing, Home Builders, etc.) and represent Developer on Homeowner Association Board and Architectural Review Board (review all ARB submittals and correspond with applicant), Manage day-to-day company operations and external relationships (homeowners, community, etc.)
- **Ribaut Town Center Shopping Center Development & Management – (other firm 303 Associates, LLC) Client - Ribaut Town Center** (November 2002 – August 2004) Property Manage all Commercial, Residential, subsidized rental and land rental projects. Represent Management Company at Beaufort Town Council Meetings, Historic Preservation Submittal meetings, Community Events and bulk tenant meetings. Establish (sales presentations and contractual negotiations) and manage relationships with local/regional/national Commercial Tenants (including Outback Steakhouse, SteinMart, Talbots, BiLo Groceries).

ATTACHMENT 3.3.1

KEY PERSONNEL RESUME FORM

Brief Resume of Key Personnel anticipated for the Project.
a. Name & Title: James Collins, Project Superintendent
b. Project Assignment: Construction Manager
c. Name of Firm with which you are now associated: Fielder's Choice Enterprises, Inc.
d. Years experience: With this Firm <u>1</u> Years With Other Firms <u>20</u> Years Please list chronologically (most recent experience first) your employment history, position and general experience or fields of practice for the last fifteen(15) years. (NOTE: If you have less than 15 years of experience, please list all of your experience for those years you have worked.): <ul style="list-style-type: none">• January 2012 to Present, Fielder's Choice Enterprises - Project Superintendent: Similar role as for Vess Excavation.• July 2010 to January 2012, Vess Excavation – Superintendent: Prior to construction start: participated in preconstruction conference, scheduling meeting and developed the construction schedule, material delivery schedule and issued purchase orders for materials. For Construction - prepared labor and equipment loading; prepared and submitted all VDOT preconstruction forms. Held weekly “tool box” safety meetings, prepared weekly – 5-day look ahead schedules, Coordinate field crews, subcontractors, inspections and material deliveries, quality control to bring project in on time and on budget. Ascertained all work and materials met all contract requirements. Was responsible for environmental compliance of project activities. Interpret plans, schedule, and specification to assure projects are built with the expectation of the owner. Layout projects for grading, pipe installations, concrete, paving, striping, and environment protection. Prepare and maintain reports, diaries, daily logs, correspondence and schedules. Communicate orally and written with engineers, subcontractors, project designers, inspectors, and vendors. Enforced Company and project Safety Policies. Prepare bids, project cost, time table and work orders. Troubleshoot and correct all potential problems that occur during construction of a project. This includes reviewing plans and foreseeing conflicts prior to specific operation and any conflict that may arise during construction. In each of the following positions, Mr. Collins performed similar construction roles as above for each company:<ul style="list-style-type: none">• 2010 to 2011, Martin and Gass - Superintendent/Project Manager• 2009 to 2010, Firvida Construction Inc. - Superintendent• 2004 to 2009, Tavares Concrete Inc. - Superintendent• 2001 to 2004, Virginia Department of Transportation - Senior VDOT Inspector (presently equivalent to Construction Manager): Inspect VDOT Road and bridge projects to include grading, pipe work, soils, concrete, asphalt, and environmental, Conduct test of soils, concrete, asphalt and stone through the use of Nuclear gauges, Proctor Test, Concrete Testing equipment and various equipment used in the inspection of VDOT road and bridge specification. Supervise and direct other inspectors on duties to be performed on construction projects. Conduct and schedule project meetings with contractors, engineers, and material inspectors. Correspond through written and oral communication with contractor and supervisors on daily-operations, and schedules. Was responsible for environmental compliance of project activities. Troubleshoot all complications that could cause delays and problems that may arise during the course of construction. Work with VDOT designers and engineers in preparing project cost, time schedules, and plan reviews prior to being released for bidding.• 1999 to 2001, General Excavation Inc., Landscape Division Manager. Estimated and negotiated landscape contracts. Managed all seeding, planting and wetland mitigation projects by scheduling labor, equipment and material resources required to complete the project. Was responsible for execution of the work, quality control, quality assurance and environmental compliance. Maintained daily field reports, monitored job costs and prepared billings. Enforced Company and project Safety Policies.• 1997 to 1999, Henderson Construction, Superintendent. Performed similar construction roles as for Vess Excavation.• 1995 to 1997, A .Morton Thomas, and Associates Engineering, Senior Field Project Inspector. Was responsible for contract quality assurance. Inspect VDOT Road and bridge projects to include grading, pipe work, soils, concrete, asphalt, and environmental, Conduct test of soils, concrete, asphalt and stone through the use of Nuclear gauges, Proctor Test, Concrete Testing equipment and various equipment used in the inspection of VDOT road and bridge specification. Maintained daily project records.

<p>e. Education: Name & Location of Institution(s)/Degree(s)/Year/Specialization: Germanna Community College – Culpeper, VA /24 Credit hours / 1979 /Business Management Tri-Cities Technical Institute - Blountville, TN/8 Credit Hours/ 1978 / Mechanical Engineering / Steed Business College – Johnson City, TN / 1976/24 Credit Hours/Aviation Management East Tennessee State University – Johnson City, TN /12 Credit Hours / 1980 / Criminal Justice</p>
<p>f. Active Registration: Year First Registered/ Discipline/VA Registration #: Virginia Department of Transportation Certifications Work Zone Traffic Control, Erosion & Sediment Control Construction Certification (DCR & ESCCC), OSHA Construction Safety and Health, Confined Space Training, American Red Cross CPR and First Aid Training</p>
<p>g. Document the extent and depth of your experience and qualifications relevant to the Project.</p> <ol style="list-style-type: none"> 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. <p>(List at least three (3), but no more than five (5) relevant projects for which you have performed a similar function.)</p> <ul style="list-style-type: none"> • Georgetown Road Widening - Charlottesville, Virginia. Virginia Department of Transportation. (Vess Excavating) (June 2011 – September 2011). Project Superintendent/ Project Manager. Managed daily labor and equipment resources to execute the work which consisted of: MOT, Pedestrian Access, Roadway Construction, Drainage, Signalization and Pedestrian Lighting. Responsible for the timely delivery of materials; quality control and assurance of construction, maintaining construction progress schedule; worked closely with VDOT’s ACE & CM and consultant inspectors on contract quality control, quality assurance, contract management and monitored job cost and construction progress. Temporary traffic control was critical because this roadway is highly traveled due to its close proximity to Albemarle High School. Pedestrian access had to be maintained through out construction. The short duration time limit was critical to meet because of the September opening of schools and this roadway is a primary bus route. I met the early milestone completion date and received a \$36,000 contract incentive. In addition I re-sequenced the construction phasing original proposed by VDOT because night work was not permitted allowing this project to be completed by the original completion date. Monthly CPE scores were always above 95%. Contract Value \$800,000. • City of Manassas - Wellington Road Widening Project. Virginia Department of Transportation. (Martin & Gass) (July 2010 – May 2011). Project Superintendent/ Project Manager. Managed daily labor and equipment resources to execute the work which consisted of: Excavation, utility relocation, storm drain system, jack and bores, base stone, asphalt, traffic control, RW-3 retaining wall, pavement marking, signalization and RR crossing. Conducted monthly progress and owner meetings; Responsible for the timely delivery of materials; quality control and assurance of construction, maintaining daily and monthly construction progress schedule; Lead and coordinated weekly partnering meetings with Owner, VDOT and Lockheed Martin (adjacent land owner); negotiated all contract work orders; worked closely with VDOT’s ACE & CM and consultant inspectors on contract quality control, quality assurance, contract management and monitored job cost and construction progress. Utility Company relocated utilities prior to construction however these changes were not accurately shown on the construction drawings. Contract Value - \$2,000,000. • George Mason Boulevard - Fairfax, VA. Virginia Department of Transportation (Tavares Concrete) (December 2007 – August 2008). Project Superintendent. Construct divided road between two major intersections and Fairfax Courthouse; installed new waterline and storm drainage structures; installed curb and gutter and sidewalk. Managed daily labor and equipment resources to execute the work. Responsible for the timely delivery of materials; quality control and assurance of construction, maintaining construction progress schedule; worked closely with VDOT’s ACE & CM and consultant inspectors on contract quality control, quality assurance, contract management and monitored job cost and construction progress. During construction I encountered active storm drains which were not identified on the construction plans. In an effort to keep construction moving we field engineered and installed the storm drain to meet the field conditions and the design engineers located this change and incorporated them into the as-built plans resulting in only a minor cost increase to the owner and no delay to the project. • Ox Road Widening, Prince William, VA. Virginia Department of Transportation. (Tavares Concrete) (October 2007– December 2007). Superintendent and Assist Project Manager. Widen existing two land road to divided four lane road; tie into Rt. 50 with new ramps; install two storm water management ponds; install and upgrade existing water mains and services; remove and install storm drainage pipe and structures; install median, curb and gutter and sidewalks; build RW-3 retaining wall. Managed daily labor and equipment resources to execute the work Conducted monthly progress and owner meetings; Responsible for the timely delivery of materials; quality control and assurance of construction, maintaining daily and monthly construction progress schedule; Lead and coordinated weekly partnering meetings with Owner, VDOT and Lockheed Martin (adjacent land owner); negotiated all contract work orders; worked closely with VDOT’s ACE & CM and consultant inspectors on contract quality control, quality assurance, contract management and monitored job cost and construction progress. Contract Value - \$6,800,000.

ATTACHMENT 3.3.1

KEY PERSONNEL RESUME FORM

Brief Resume of Key Personnel anticipated for the Project.
a. Name & Title: Michael W. Saunders, PE, CCM, Project Manager/Quality Assurance Manager
b. Project Assignment: Quality Assurance / Quality Control Manager
c. Name of Firm with which you are now associated: NXL Construction Services, Inc.
d. Years experience: With this Firm <u><1</u> Years With Other Firms <u>10</u> Years Please list chronologically your employment history, position and general experience or fields of practice for the last fifteen(15) years: <ul style="list-style-type: none">• 11/2011 - Present, NXL Construction Services, Inc., Richmond, Virginia; Project Manager/Quality Assurance Manager. Mr. Saunders serves as Independent Quality Assurance Manager for joint Design-Build projects ensuring all contract requirements and specifications are appropriately administered and applied, all required quality control testing and independent quality assurance is carried out in accordance with applicable requirements ensuring construction quality standards are met and payments appropriately processed.• 05/2011 – 11/2011, Virginia Department of Transportation, Richmond District, Project Control Engineer/Area Construction Engineer for Design-Build & Locally Administered Projects. Mr. Saunders was responsible for quality assurance and for coordinating constructability reviews to include developing pre-advertisement schedules and sequence of construction as well as for coordination of post-award schedule reviews and District Wide NOI and claims analysis. He was assigned as the Responsible Charge Project Manager for various Design Build projects throughout the Richmond District. The assignment included serving on the selection panel during the procurement phase and serving as Project Manager of the construction phase. Other responsibilities included attending weekly progress meetings and multiple design meetings and ultimately serving as the Responsible Charge Engineer, acting on behalf of the owner. His role was ensuring that the independent assurance and verification was performed for Design-Build projects, that all contract requirements and specifications are appropriately met, all required quality control testing and independent quality assurance is carried out in accordance with applicable requirements, and payments appropriately processed. Projects included the Route 36 BRAC Design-Build Project, I-295 Meadowville Interchange and the Fort Lee/Jefferson Park Road Roundabout Design-Build. Mr. Saunders was also responsible for Locally Administered Projects in the Richmond District.• 01/2007 – 5/2011, Virginia Department of Transportation, Area Construction Engineer, Richmond District, Southern Area Construction. Mr. Saunders was responsible for executing a 6-year program to include managing all aspects of construction/maintenance contracts safely, with quality, on time and within budget. He provided Responsible Charge supervision and technical guidance to Construction Managers and Inspectors during project delivery for design-build and design-bid-build projects. He used Primavera for manpower planning and schedule reviews and approvals. He coordinated with project controls staff in preparation and review of Work Orders, Notices of Intent and Claims to validate the necessity of work and level of federal participation. Mr. Saunders performed Responsible Charge duties on no-plan projects, minimum-plan projects and full-plan projects of varying complexity.• 11/2005 – 1/2007, Virginia Department of Transportation, Construction Project Manager, Salem District, Southern Area Construction. Mr. Saunders supervised all phases of multi-operational roadway and structural construction projects to ensure all work was performed in accordance with project plans, specifications and special provisions. He supervised the work and career development of several construction inspectors and he resolved contractual disputes with contractors. He prepared and presented the project showings and preconstruction conferences, prepared and submitted work orders and tracked project cost to assure projects remained within the designated budget, on multiple projects of varying complexity. He mitigated Notices of Intent with use of time impact and cost analysis, and prepared reports, correspondence and documents clearly and on time. Mr. Saunders conducted on-site field visits to ensure all elements of design and construction were within scope of contract and within established standards and specifications to provide feedback to the appropriate parties and perform follow-up reviews with project staff and management to support implementation of recommendations.• 04/2005 – 10/2005, Virginia Department of Transportation, Permits/Subdivision Supervisor. Mr. Saunders was responsible for the supervision and administration of the subdivision, rural streets and land use permits programs. Duties included networking with government officials and staff, developers, engineers and VDOT staff to discuss the

engineering impacts of land development projects; responsibility for land development within the Residency to include utilities, commercial and subdivision streets, private entrances, land use permits, commercial development projects, etc. impacting transportation networks maintained by the State; participation in the development, plan review, inspection and acceptance of addition to the secondary system and ensuring compliance with rules and regulations.

- 03/2004 – 4/2005, Virginia Department of Transportation, Salem, Virginia, Architect/Engineer I. Mr. Saunders assisted in the Land Development and Maintenance Program Operations for the Salem Residency. Duties included performing site plan reviews and providing comments to designers; involvement in the inspection and acceptance of additions to the secondary street system, and worked with the Maintenance Manager to set a budget for the Area Headquarters' upcoming fiscal year. Also, he was assigned to the Bedford Residency to perform Acting Assistant Resident Engineering duties and Construction Project Management.
- 06/2001 – 2/2004, Virginia Department of Transportation, Salem District, Transportation Engineer Associate. Mr. Saunders completed the Associate Engineers Program at the Christiansburg Residency in the Salem District. While in this position, Mr. Saunders rotated through various sections within the Department to include Construction Management, Maintenance Operations, District Divisions, Contract Administration, and Residency Operations.

e. Education: Degree(s)/Year/Specialization: B.S./2001/Civil Engineering/Virginia Tech

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

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.)

- **Rt. 36 Improvements Design-Build, Richmond District.** *Virginia Department of Transportation.* (NXL Construction Services, Inc.) (11/2011 – 11/2012, est.) Quality Assurance Manager (QAM). Responsibilities: VDOT/ARRA Design-Build – Construction of improvements to Route 36 and Route 144 near Fort Lee's Sisisky Gate located in Prince George County, Virginia. The project includes improvement to approximately 0.9 mile of Route 36 and approximately 0.5 miles of Route 144. There will be approximately 20 calendar months of construction-related activities requiring QA inspection and testing for the Abernathy team. Mr. Saunders serves as the project's quality assurance manager where he is responsible for:
 - Preparation of project's quality assurance and quality control plan
 - Oversight of project QA procedures and plan
 - Performance of QA testing and inspection in accordance with VDOT's August 2008 design-build guidelines
 - Monitoring of contractor's QC program; Approving QC inspection staff assignment to project and the QC frequency testing plan before submission to VDOT
 - The preparation, maintenance, and submission of associated project documentation including but not limited to diaries, EEO, ARRA, materials notebook/documentation, as-built sketches, and monthly pay documents including verifying and approving monthly pay packages, and preparation and submission of final records
- **Region 4 Design-Build Structures Project, Various Counties.** *Virginia Department of Transportation.* (Virginia Department of Transportation. (4/2010 – 11/2011) Project Manager. VDOT's Project Manager during the construction of various bridge superstructure replacements throughout the Richmond District. Duties included making responsible charge decisions, attending regularly scheduled progress meetings, reviewing project documentation for compliance with contract documents, coordinated IA/IV testing and handled public/stakeholder concerns throughout the duration of the project.
- **Meadowville Interchange, Chesterfield Virginia.** *Virginia Department of Transportation.* (Virginia Department of Transportation. (04/2011 – 11/2011). Project Manager. VDOT's Project Manager during final design and construction of phase one, the diamond, of an ultimate cloverleaf interchange. Duties included attending regularly scheduled progress meetings, reviewing project documentation for compliance with contract documents, reviewed and approved pay applications and coordinated IA/IV testing.
- **Route 10 Widening, Chesterfield Virginia.** *Virginia Department of Transportation.* (Virginia Department of Transportation. (04/2011 – 11/2011). **Area Construction Engineer.** Responsible charge engineer overseeing the construction of this project which included coordination with Chesterfield County, the contractor, Dominion Virginia Power, CSX railroad and the FHWA. Duties included but were not limited to acting on behalf of the Department during negotiations and problem resolution meetings, reviewing and approving monthly payment applications and ensuring project testing and documentation was being kept in accordance with contract and VDOT requirements.

**3.4.1 APPENDIX II
WORK HISTORY FORMS**

ATTACHMENT 3.4.1(a) LEAD CONTRACTOR - WORK HISTORY FORM (LIMIT 1 PAGE PER PROJECT)

Work by Lead Contractor - three (3) projects which best illustrates 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 or Estimated)	f. Estimated Value (in Thousands)		
					Original Contract Value	Final or Estimated Contract Value	Dollar Value of Work for Which Firm Was/Is Responsible
(1) VDOT - Route 250 – City of Staunton – Churchville Avenue – Augusta District Project # (NFO)0250-132-105, C501 Project Designation J69	Prime Contractor – Improve primary road through downtown Staunton, VA. increase main roadway from 2 lanes to 3 lanes. All work was performed under traffic. Grading, drainage, utility relocation, signs, signalization, pavement marking, traffic control, pedestrian access, asphalt, and miscellaneous concrete.	VDOT – Augusta District Office – Todd Stevens – Area Construction Engineer office – 540-332-9095 Cell – 540 – 480-5306 VDOT – Staunton District Office PO Box 2249 Staunton, VA 24402-2249	May 4, 2011	January 27, 2011	\$2,688,556	\$2,944,522 Ffinal contract total includes a \$100,000 incentive for schedule adherence, \$40k for VE, and additions for scope changes	\$2,944,522

This project consisted of a reconstruction / improvement of the primary east – west roadway through downtown Staunton, VA. Our Construction team consisted of FCE's field staff which worked closely with VDOT's ACE & CM and consultant inspectors on contract quality control, quality assurance, contract management. The work performed included temporary pedestrian access, water and sewer utility relocation, storm drain system installation, grading, base stone, asphalt, signalization relocation/upgrade, traffic control and pavement marking. Since this project is the main E-W corridor through the City of Staunton daily traffic control measures and our construction sequence were primary concerns. Through efficient daily lane closures and re-sequencing critical construction activities we were able to complete this project safely, and 4 months ahead of schedule. FCE received the maximum incentive of \$100,000 for an early completion milestone for a critical traffic switch. FCE, also, submitted and VDOT accepted a VEP for \$40,000 that reduced construction costs and allowed FCE to complete this project several months ahead of schedule. Daily communication with the local citizens, the City of Staunton Officials and VDOT personnel minimized any inconvenience to the traveling public. There was not one day where traffic flow was severely negatively impacted due to construction. Our CPE score for this project was over 90%.

Lessons Learned:

- FCE enhanced its skills and reinforced the value of starting coordination early with the project owner.
- FCE successfully implemented and gained experience with value engineering proposals.
- FCE enhanced its approaches to schedule adherence given scope changes.



The Churchville Avenue Project received a \$100,000 early completion bonus for a critical traffic switch and was completed ahead of schedule.

ATTACHMENT 3.4.1(a) LEAD CONTRACTOR - WORK HISTORY FORM (LIMIT 1 PAGE PER PROJECT)

Work by Lead Contractor - three (3) projects which best illustrates 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 or Estimated)	f. Estimated Value (in Thousands)		
					Original Contract Value	Final or Estimated Contract Value	Dollar Value of Work for Which Firm Was/Is Responsible
(2) VDOT - VDOT – I-64 – WBL 5th Street Exit – Albemarle County – Charlottesville Residency Project #(FO)0064-002-815,N501 Project Designation – 7A8	Prime Contractor – Improve exit ramp off I-64 WBL. All work was performed under traffic. Grading, drainage, signs, signalization, pavement marking, traffic control, pedestrian access, asphalt, and miscellaneous concrete.	VDOT – Culpeper District Office – Mauris Mackenzie – Area Construction Engineer office – 434-422-9793 Cell – 434-221-4649 VDOT –Culpeper District Office 1601 Orange Road Culpeper, VA 22701	August 27, 2010	September 2, 2010 Job completion date over ran due to complications with the fabrication and installation of signs.	\$654,792	\$658,186 (increase for minor scope changes)	\$658,186

Fielder's Choice Enterprises, Inc.(FCE) has experience in the adjacent locations relevant to the Zion Crossroads project. Located on I-64, this project is located four exits west of the Zion Crossroads exit where this design – build interchange is located. FCE was forced to complete this project during restrictive work hours. FCE was only allowed to establish lane closures between the hours of 9:00am and 3:00pm due to morning and evening commuter traffic into Charlottesville. Even with these restrictive measures, the project was completed within the required time limits (with the main exception detailed above), which was necessary and critical prior to the start of any University of Virginia home football games as one of the primary access roads to their stadium. The work performed includes the maintenance of traffic via temporary lane closures, guardrail assembly and construction, storm drainage structure installation, grading, base stone, asphalt, signalization relocation/upgrade, traffic control and pavement marking. In addition, the intersection of 5th St. and I-64 was improved and the traffic signals were upgraded/relocated.

- Project Highlights:**
- Similar in locality to the Zion Crossroads Intersection – Only four exits distance from project location.
 - Heavy signalization relocation / upgrade and pavement marking.
 - Multiple intersection improvements to improve road sign visibility and overall maintenance and protection of traffic

The similarities between these two projects help mediate project risk. FCE has completed projects in the same line as Zion Crossroads on similar intersections capably and with limited to no impact on traffic movements.

Lessons learned:

- FCE enhanced experience with interstate traffic MOT & exit ramp MOT.
- Also, enhanced its experience with restrictive allowable working times.



The 5th Street Exit on I-64 has extensive signage and required efficient direction of traffic movements to minimize driver risk.

ATTACHMENT 3.4.1(a) LEAD CONTRACTOR - WORK HISTORY FORM (LIMIT 1 PAGE PER PROJECT)

Work by Lead Contractor - three (3) projects which best illustrates 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 or Estimated)	f. Estimated Value (in Thousands)		
					Original Contract Value	Final or Estimated Contract Value	Dollar Value of Work for Which Firm Was/Is Responsible
<p>(3) VDOT – I-64 – EBL - Shadwell Exit– Albemarle County – Charlottesville Residency – Project #(FO)0064-002-815,N501</p> <p>VDOT Project Designation: <u>J69</u></p>	See below	<p>Culpeper District Office – Mauris Mackenzie – Area Construction Engineer office – 434-422-9793 Cell – 434-221-4649 VDOT –Culpeper District Office 1601 Orange Road Culpeper, VA 22701</p>	December 6, 2010	<p>October 19, 2011 All work was completed 12/2/2010 prior to the original completion date. However because of a final work order in the amount of \$190,454 due to a differing site condition and plan error VDOT made final acceptance on the above date.</p>	\$894,518	\$1,099,850 (see below for reason for contract value change)	\$1,099,850
<p>This project is located two exits west of the Zion Crossroads project exit. This exit is the primary exit off I-64 into Charlottesville. Restrictive work hours due to morning and evening commuter traffic into Charlottesville allowed us only to install lane closures between 9:00am and 3:00pm. The work performed included temporary lane closures, guardrail, storm drain installation, grading, base stone, asphalt, signalization relocation/upgrade, traffic control and pavement marking. In addition the intersection of Primary Rt. 250 and I-64 was improved/ upgraded and the traffic signals were upgraded/relocated. This project was completed within the original time specified even though the scope of work was greatly increased due to a differing site condition caused by a VDOT Plan error. VDOT's plan error resulted in FCE excavating and disposing off site approximately 40,000 cubic yards of regular excavation that was not shown on the plans or anticipated, consequently increasing the scope of work by 21%. FCE recognized this error early, changed our construction operations, secured an off-site disposal area for this surplus material, secured all required state and local permits and negotiated a fair and equitable change order with VDOT in a timely manner. FCE never stopped work and continued in dialog with VDOT. We completed the work by the original completion date and partnered with VDOT for several months to finalize a \$190,000 change order for this additional work.</p>		<p>Project Highlights:</p> <ul style="list-style-type: none"> • Within a short distance of the project. • Traffic signaling was upgraded and relocated, along with altered pavement markings. • Partnered with VDOT to finalize a \$190,000 change order for project completion. 					
<p>Lessons learned:</p> <ul style="list-style-type: none"> • FCE learned the value of partnering throughout project life cycle. • Understanding the implementation post bid design changes. • Schedule adherence due to scope changes. 		<p>Despite a VDOT Plan error resulting in the excavation of 40,000 cubic yards extra material, FCE still completed this project on-time and within budget.</p>					

ATTACHMENT 3.4.1(b) LEAD DESIGNER - WORK HISTORY FORM - (LIMIT 1 PAGE PER PROJECT)

Work by Lead Designer - three (3) projects which best illustrates current qualifications relevant to this Project.

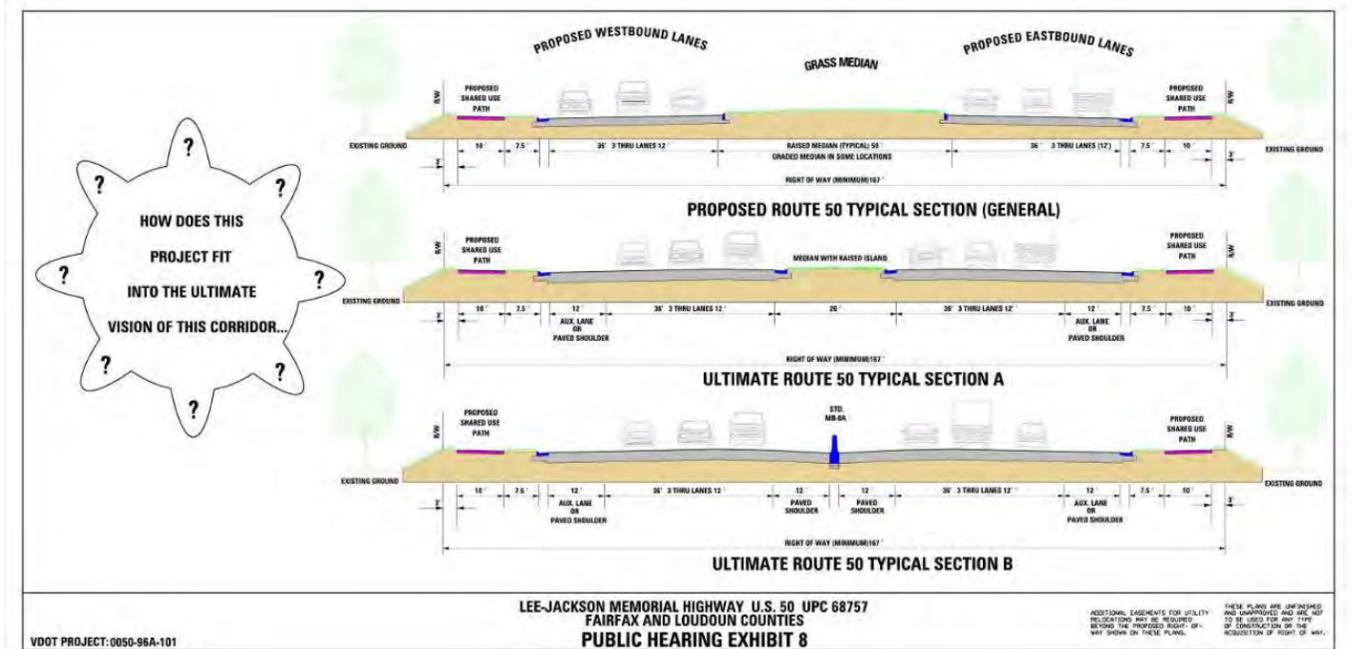
a. Project Name & Location	b. Narrative describing nature of Firm's Responsibilities	c. Client/Owner/Project Manager who can verify Firm's responsibilities. Include address and current phone number.	d. Contract Completion Date (Original)	e. Contract Completion Date (Actual or Estimated)	f. Estimated Value (in Thousands)		
					Original Contract Value	Final or Estimated Contract Value	Dollar Value of Work for Which Firm Was/Is Responsible
Lee Jackson Highway – U.S. Route 50 Widening Fairfax and Loudoun Counties	Prime Consultant – Concept Alternative Study Phase followed by development of Complete R/W and Construction Plans, Engineering Services – Roadway, Hydraulic, MOT/SOC/TMP, SWM, E&S, and Public Involvement <i>See below for detailed narrative</i>	Virginia Department of Transportation 4975 Alliance Drive Fairfax, VA 20151 Contact: Kimberly A. McCool Phone: (703) 259-1778	2012	Substantially complete 9/2009 when delivery method changed to design-build by VDOT Providing Design Support during CN 2013 (Estimated)	\$4,632 (fee)	\$4,632 (fee)	\$3,356

The VDOT awarded the Louis Berger Group, Inc. (LBG) the prime consultant contract for the engineering design to widen 3.6 miles of this urban principle arterial, in December 2007. The project is located in the Northern Virginia District in Loudoun and Fairfax counties. The project began near the intersection of Poland Road and U.S. 50 in Loudoun County and terminates near the interchange of VA Route 28 and U.S. 50 in Fairfax County. This project consists of reconstruction and widening of this segment of U.S. Route 50 from a four-lane divided roadway to a six-lane divided roadway. The project also includes: Improved signalization, grass median, curb & gutter on outside lanes, improved turn lanes at intersecting streets, shared use path on both sides of the road, crosswalks with curb ramps and pedestrian signals, widened and upgraded bridges, and stormwater management facilities, including ponds.

LBG's design efforts were focused on increasing the capacity of U.S. 50, by relieving through-traffic congestion, improving operational capacity at existing signalized intersections, maintaining or improving the safety of the corridor, limiting R/W acquisition to feasible purchases, and establishing designs sensitive to the context of the project. Additionally this design was in no way to preclude the conversion of the corridor to a strictly controlled access with no left turn movements and overpass crossings as is planned by the local governments. LBG worked with the VDOT and the local government officials in Loudoun and Fairfax to develop design alternatives and corresponding design criteria that are sensitive to the context of the project while not precluding the ultimate functional upgrade of the corridor. Within the project boundaries there are three major waterway crossings, six existing at-grade intersections, and several private development projects which affect the proposed roadway design.

In early 2008, the VDOT changed the project delivery method to design-build and changed the scope of work for the LBG team, removing the complete R/W and construction plans, but continuing the project at an accelerated schedule from concept design, thru preliminary field inspection, and thru public hearing. LBG worked creatively to develop design-build RFQ and RFP plans for the VDOT to advertise/solicit design-build proposals. With this change of delivery method, LBG worked closely with the VDOT staff to identify and limit risk to the agency for the design-build project while ensuring the original goals of the project were maintained. LBG completed several confidential support tasks and ancillary studies to assist the VDOT in mitigating risks in the on-going design-build procurement. LBG also provided confidential review of offeror's RFP cost submissions, and provided a confidential cost analysis report to the owner comparing the top three cost proposals. LBG is currently providing design support during construction for this \$55 million dollar design build construction project on an as-needed basis. The same LBG design team and project manager is proposed for the I-64 Exit 91 Interchange Improvements.

Lessons learned: Reviewing offeror's submittals provided insight into perspective of design-build teams given that LBG was involved with project from inception thru d-b award; how to properly depict and convey to offeror's pavement design strategies by owner to assure design-build product; validated original concept for project for key design assumptions to assure long term viability of corridor; identified additional risk elements faced on a "typical" design build project for VDOT.



ATTACHMENT 3.4.1(b) LEAD DESIGNER - WORK HISTORY FORM - (LIMIT 1 PAGE PER PROJECT)

Work by Lead Designer - three (3) projects which best illustrates 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 or Estimated)	f. Estimated Value (in Thousands)		
					Original Contract Value	Final or Estimated Contract Value	Dollar Value of Work for Which Firm Was/Is Responsible
I-295 Connector Design/Build Project Connector Road Bridge over Mercy Access Road/GRS Railroad Portland, ME	<p>LBG is the lead designer on the D-B team under contract to the builder, Cianbro. The LBG/Cianbro team was selected by Maine DOT using the best value method. The project included design and construction of nearly 2 miles of roadway, 3 traffic signals, multi-use trail, and three new bridges over existing R.R. LBG served the D-B team as the lead designer for the project as well as to the builder for extensive public participation and mandatory partnering with Maine DOT.</p> <p><i>For further information, see complete Statement of Experience below.</i></p>	<p>Cianbro Construction Corporation 210 Honeywell Ave. Portland, Me 04967 Mr. Parker Hadlock Construction Project Manager Cianbro Construction Corporation (207) 679-2265</p> <p>Project Owner: Brad Foley Assistant Project Manager Urban and Arterial Highway Program Maine Department of Transportation (207) 624-3359</p>	<p>2005</p>	<p>November, 2005</p>	<p>\$18,000</p>	<p>\$23,500 Scope change - see below for explanation</p>	<p>\$1,600 (fee) 7.5% of the total Cost</p>
	<p>The Louis Berger Group, Inc. (LBG) was the lead design consultant to Cianbro Corporation for the I-295 Commercial Street Connector Design / Build project for the Maine Department of Transportation. This \$23M project included the design and construction of 1.8 miles of new and reconstructed roadways, three traffic signals, a multi-use trail traversing the project, three new bridges and the rehabilitation of an existing concrete arch bridge over the existing railroads and a storm water treatment area. The project begins at the I-295 Congress Street Interchange, parallels the waterfront, and included the reconstruction of Veteran's Circle. LBG also assisted the Design / Build Team during its extensive public participation / partnering sessions, and LBG also worked closely with Cianbro Corporation to provide Quality Assurance Management of the project design and construction. The Construction Quality Program included full-time inspection, testing, material compliance, shop drawing reviews, etc.</p> <p>LBG designed three bridges as part of the Connector project. Bridge 1 and Bridge 2 are 106 foot and 127 foot spans respectively, with steel girder and cast-in-place deck superstructures on pile supported integral abutments. Bridge 3 is a four-span 380 foot steel girder with cast-in-place deck superstructure on pipe pile supported MSE wrapped abutments. LBG was responsible for pre-construction monitoring and design of a wetland creation site to offset unavoidable wetland impacts from roadway construction. The created wetland is designed to enhance flood storage capacity, water quality enhancement and habitat functions within the adjacent wetland.</p> <p>Critical issues affecting the construction and design schedules included utility relocations, utility construction (including 8000 lf of 8 and 12 duct electric banks and 5000 lf of 12" high pressure gas main), coordination with the railroad (including four overpass crossing of active lines; three new bridges and one bridge rehab; an at-grade crossing on one of the reconstructed streets; and relocation of a 115kv within the railroad right-of-way), maintenance of traffic at Veteran's Circle and construction staging of embankments for consolidation of marine clays. During design development, the project team recommended the relocation of one the project's structures to improve the overall soil stability in the marine clays. This project change was approved by the MaineDOT.</p>						
<p>This fast-track project was designed in twelve months with substantial completion of the project occurring in one season. The project was completed on schedule with no extensions, despite increases in project scope. A very large contributor to changes in scope resulted from Central Maine Power (Utility) desire to add several large utility duct banks to the length of the project and also add an electrical sub-station to the project. Project scope increases resulted in the contract total increasing from \$18M to \$23.5M. LBG's design fee was 7.5% of the total cost.</p> <p>The project was awarded the Build Maine Award in 2006 and also finished in first place in the American Council of Engineering Companies National Engineering Excellence Award in New Hampshire in 2007.</p> <p>Lessons learned: Innovative flexibility in design sequencing to correspond to construction sequencing as CN NTP issued in packages and not for entire project as a whole; dedication of design-manager resources – the design PM for D-B projects are nearer 100% of availability as compared to lower percentage of time for traditional design-bid-build.</p>							

ATTACHMENT 3.4.1(b) LEAD DESIGNER - WORK HISTORY FORM - (LIMIT 1 PAGE PER PROJECT)

Work by Lead Designer - three (3) projects which best illustrates 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 or Estimated)	f. Estimated Value (in Thousands)		
					Original Contract Value	Final or Estimated Contract Value	Dollar Value of Work for Which Firm Was/Is Responsible
U.S. 29 & Gallows Road Improvements UPC 11395 & 88600 Fairfax County, VA	Prime Consultant – Concept Alternative Study Phase followed by development of Complete R/W and Construction Plans Engineering Services – Roadway, Hydraulic, Structural, MOT/SOC/TMP, SWM, E&S and Public Involvement <i>See below for detailed narrative</i>	Virginia Department of Transportation 4975 Alliance Drive Fairfax, VA 20151 Project Manager: Mr. Arifur Rahman, P.E. Phone: (703) 259-1940	Original Date was undefined – Phased Contract See Below	November 2010 Design Completed Design Support during CN 2013 (Estimated)	\$1,494	\$3,602	\$2,968

The Louis Berger Group, Inc. (LBG) was selected as the Prime consultant for this principle urban arterial project. The VDOT developed a phased contract approach with LBG beginning with an alternative development phase to select appropriate designs to improve capacity and safety along the U.S. 29 corridor. LBG completed several phases of this project including: (1) Concept alternative phases, (2) Initial design thru public hearing, (3) Field Inspection (4) Approved R/W Plans (5) Advanced Water Main Utilities Construction Plan (6) Final Roadway Plan and Construction documents for advertisement. In November 2010, LBG submitted final construction plans to the VDOT for advertisement. The project is currently under construction with an anticipated completion date of spring 2013.



During the Concept alternative phase, LBG developed an array of grade separated urban interchanges and at-grade intersection alternatives for the Gallows Road and Route 29 intersection. LBG developed a traffic simulation model to determine the operational characteristics of the existing corridor, as well as those expected to occur following the improvements. Utilizing geometric, volume, and signal timing characteristics of the study corridor, a comprehensive simulation model was constructed using the Traffic Software Integrated System (TSIS ver.4.32) and framework of the CORSIM family of models and its surface street component NETSIM. The design was developed to allow for the seamless incorporation of future improvements to the project corridor.

An at-grade intersection alternative was selected at the end of the concept alternative phase to improve the operational capacity of Route 29 thru the Merrifield Area of Fairfax County. With a forecasted ADT of 55,000 vehicles, the project consists of reconstruction and widening of 1.5 miles of Route 29 and Gallows Road from a four-lane roadway to a six-lane divided roadway with curb & gutter, a raised grass median, and enclosed storm sewer systems. The LBG design includes 5 reconfigured intersections along the project corridor with improved turn lane capacity and signal replacements. Access management principles were applied on the design included elimination of full access control at certain areas with the construction of raised medians. The project design also includes pedestrian and bicycle improvements to the Merrifield Area with the construction of “shared roadways” for bicycles, sidewalks, shared use paths, improved pedestrian crossings with push button signalization and pedestrian sidewalk ramps.

There were 3 adjacent projects affecting the development of the plans including I-495 HOT Lanes, a Merrifield Town Center development valued near \$100M, and a second private development project valued in the tens of millions of dollars. The coordination between R/W, in-plan utilities, private utilities and adjacent projects was exceedingly extensive. Extensive participation in public meetings, hearings and various informal meetings with Fairfax County officials and a 30-person Citizen/Business Task Force was required.

Due to several project constraints including funding, intense adjacent private development, exorbitant utility relocation costs and exorbitant R/W costs - just prior to R/W plan submission (phase 4) - LBG redesigned the project to accommodate the changing project visions resulting from these constraints. In 2009, LBG continued these adaptive design approaches and prepared portions of a unique construction plan product wherein a “child” advanced in-plan utility contract was let to relocate several water mains and laterals prior to the letting of the roadway construction project in 2011. LBG has strived to provide flexible solutions to the VDOT throughout the life of this project, and we are proud of the partnering role we have maintained with the VDOT and team members on this project. LBG services have covered the breadth and depth of technical and developmental transportation engineering issues on the project and the following is a sampling of the more unique items: meeting with the VDOT R/W and individual property owners to develop design modifications to assist in R/W negotiations, reviewing and advising the VDOT on private development plans including proffer language, partnering meetings with advanced in-plan utility contractor, depicting private, public, existing, proposed, and as-built utility information in cross sections; depicting over 250 utility test holes on the cross sections, and coordinating and developing interim designs to allow for I-495 Hot Lane project construction. LBG currently supplies design support during construction on this \$25 million dollar construction project on an as-needed basis and continues to be part of the partnering effort on the project.

Lessons learned: Workflow for phase acquisition of R/W – project design divided into quadrants for early R/W appraisal activities; importance of the “utility picture” – keeping track of existing, proposed, and as-built utilities on the cross sections; communication workflow and design for incorporating multiple private and public sector designs wherein existing conditions, interim proposed conditions, and ultimate proposed conditions are balanced.

APPENDIX III
3.3.5 DEPARTMENT FORMS
3.2.8.1 FIRM SCC LICENSES

ATTACHMENT NO. 3.2.5(a)

**CERTIFICATION REGARDING DEBARMENT
PRIMARY COVERED TRANSACTIONS**

Project No.: 0064-054-703, P101, R201 & C501

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

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

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

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

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

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

Dull K Carter 11/13/12 Vice President
Signature Date Title

Fielder's Choice Enterprises, Inc.
Name of Firm

ATTACHMENT NO. 3.2.5(b)

**CERTIFICATION REGARDING DEBARMENT
LOWER TIER COVERED TRANSACTIONS**

Project No.: 0064-054-703, P101, R201 & C501

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

<u>Dean Hatfield</u>	<u>1/23/12</u>	<u>Director of Transportation Engineering</u>
Signature	Date	Title
Dean Hatfield, PE		
<u>The Louis Berger Group, Inc.</u>		
Name of Firm		

ATTACHMENT NO. 3.2.5(b)

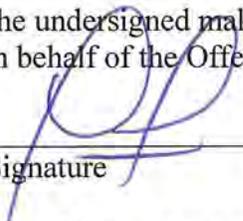
**CERTIFICATION REGARDING DEBARMENT
LOWER TIER COVERED TRANSACTIONS**

Project No.: 0064-054-703, P101, R201 & C501

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

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

 _____
Signature Date 1/23/12 Title President

Name of Firm NXL Construction Services, Inc.

ATTACHMENT NO. 3.2.5(b)

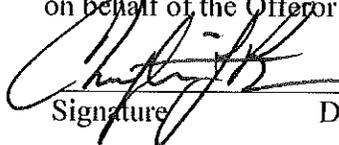
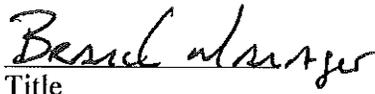
**CERTIFICATION REGARDING DEBARMENT
LOWER TIER COVERED TRANSACTIONS**

Project No.: 0064-054-703, P101, R201 & C501

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

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

 1/23/2012 
Signature Date Title

S&ME, Inc.

Name of Firm

ATTACHMENT NO. 3.2.5(b)

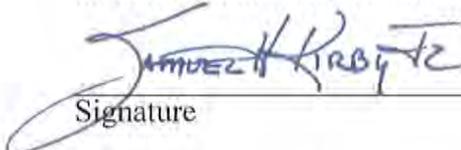
**CERTIFICATION REGARDING DEBARMENT
LOWER TIER COVERED TRANSACTIONS**

Project No.: 0064-054-703, P101, R201 & C501

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

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

	4/18/12	PRESIDENT
Signature	Date	Title
FROENLING & ROBERTSON, INC.		
Name of Firm		

ATTACHMENT NO. 3.2.5(b)

**CERTIFICATION REGARDING DEBARMENT
LOWER TIER COVERED TRANSACTIONS**

Project No.: 0064-054-703, P101, R201 & C501

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

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

 _____
Signature Date Title

Name of Firm

ATTACHMENT NO. 3.2.5(b)

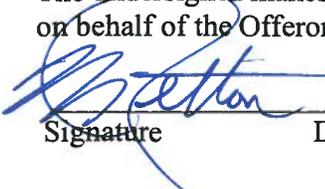
**CERTIFICATION REGARDING DEBARMENT
LOWER TIER COVERED TRANSACTIONS**

Project No.: 0064-054-703, P101, R201 & C501

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

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

 January 24, 2012 Regional Vice President
Signature Date Title

Greenhorne & O'Mara, Inc.
Name of Firm

ATTACHMENT NO. 3.2.5(b)

**CERTIFICATION REGARDING DEBARMENT
LOWER TIER COVERED TRANSACTIONS**

Project No.: 0064-054-703, P101, R201 & C501

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

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

Karen Dape 1/24/12 President
Signature Date Title

Dape and Company, Inc.
Name of Firm

Commonwealth OF Virginia



State Corporation Commission

CERTIFICATE OF GOOD STANDING

I Certify the Following from the Records of the Commission:

That FIELDER'S CHOICE ENTERPRISES, INC. is duly incorporated under the law of the Commonwealth of Virginia;

That the date of its incorporation is July 17, 1987;

That the period of its duration is perpetual; and

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

Nothing more is hereby certified.



*Signed and Sealed at Richmond on this Date:
January 12, 2012*

Joel H. Peck

Joel H. Peck, Clerk of the Commission

Commonwealth OF Virginia



State Corporation Commission

I Certify the Following from the Records of the Commission:

The Louis Berger Group, Inc., a corporation existing under the laws of NEW JERSEY, holds a certificate of authority to transact business in Virginia, and is in good standing.

The certificate was issued on September 20, 1999.

Nothing more is hereby certified.



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

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

Commonwealth of Virginia



STATE CORPORATION COMMISSION

Richmond, September 20, 1999

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

The Louis Berger Group, Inc.

a corporation organized under the laws of NEW JERSEY 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:

Joel H. Peck

Clerk of the Commission



SCC eFile
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- [Laws & Regulations](#)
- [Bulletin Archive](#)
- [External Links](#)

The Louis Berger Group, Inc.

SCC ID: F1393679

Business Entity Type: Foreign Corporation

Jurisdiction of Formation: NJ

Date of Formation/Registration: 9/20/1999

Status: Active

Shares Authorized: 200000



Principal Office
412 MOUNT KEMBLE AVE

MORRISTOWN NJ 07960

Registered Agent/Registered Office

CORPORATION SERVICE COMPANY

Bank of America Center, 16th Floor

1111 East Main Street

RICHMOND VA 23219

RICHMOND CITY 216

Status: Active

Effective Date: 4/29/2011

Users are encouraged to create an SCC efile account to:

- Conveniently monitor business entities through the use of a "Favo list"
- 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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We provide external links throughout our site.

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Commonwealth of Virginia



State Corporation Commission

I Certify the Following from the Records of the Commission:

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

The date of incorporation is November 17, 1989.

Nothing more is hereby certified.

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



Joel H. Peck

Joel H. Peck, Clerk of the Commission

Commonwealth OF Virginia



State Corporation Commission

I Certify the Following from the Records of the Commission:

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

Nothing more is hereby certified.

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



Joel H. Peck

Joel H. Peck, Clerk of the Commission

Welcome to SCC
Business Entity

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 - SCC eFile Home Page
 - Log In
 - FAQs
- Business Entities
- UCC or Tax Users
- Court Services
- Additional Services

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: 5,000

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
Status: Active
Effective Date: 10/8/1998

[View Entity's eFile History](#)

- U
- Conv
- "Fav
- Perfo
- filing
- Quick



Commonwealth of Virginia
State Corporation Commission

CISM3050

REGISTERED AGENT INQUIRY

06/23/11

12:21:40

CORP ID: F115456 - 8 CORP STATUS: 00 ACTIVE
CORP NAME: S&ME, INC.

CURRENT REGISTERED AGENT:

NAME: CT CORPORATION SYSTEM
STREET: 4701 COX RD STE 301

CITY: GLEN ALLEN STATE: VA ZIP: 23060-6802
STATUS: 5 B.E. AUTH EFF DATE: 01/05/04 LOC: 143 HENRICO COUNTY

OLD REGISTERED AGENT:

NAME: COMMONWEALTH LEGAL SERVICES CORPORATION
STREET: 4701 COX RD STE 301

CITY: GLEN ALLEN STATE: VA ZIP: 23060-6802
STATUS: 5 B.E. AUTH EFF DATE: 06/05/00 LOC: 143 HENRICO COUNTY

Commonwealth OF Virginia



State Corporation Commission

I Certify the Following from the Records of the Commission:

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

The date of incorporation is October 11, 1924.

Nothing more is hereby certified.



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

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

Commonwealth OF Virginia



State Corporation Commission

CERTIFICATE OF GOOD STANDING

I Certify the Following from the Records of the Commission:

That HURT & PROFFITT, INC. is duly incorporated under the law of the Commonwealth of Virginia;

That the date of its incorporation is January 9, 1973;

That the period of its duration is perpetual; and

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

Nothing more is hereby certified.



*Signed and Sealed at Richmond on this Date:
January 5, 2012*

Joel H. Peck

Joel H. Peck, Clerk of the Commission

Commonwealth of Virginia



STATE CORPORATION COMMISSION

Richmond, August 3, 2009

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

GREENHORNE & O'MARA, INC.

formerly known as: G & O VIRGINIA, INC. (USED IN VA BY:

GREENHORNE & O'MARA, INC.)

Date of qualification: May 30, 1986

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



State Corporation Commission

Attest:

Joel H. Peck
Clerk of the Commission

Commonwealth of Virginia



STATE CORPORATION COMMISSION

Richmond, February 13, 1991

This is to Certify that the certificate of incorporation of

Pape and Company, 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 the laws of the State applicable to the
corporation and its business. Effective date: February 13, 1991*



State Corporation Commission

William J. Bridge

Clerk of the Commission

**3.2.8.2 & .3 APPENDIX IV
OFFICE AND PERSONNEL
DPOR LICENSES**

DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION
COMMONWEALTH OF VIRGINIA

EXPIRES ON
12-31-2013

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

NUMBER
0407003926

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

PROFESSIONS: ENG

THE LOUIS BERGER GROUP INC
ATTN: LUCY SHUSTER
801 E MAIN ST. SUITE 500
RICHMOND, VA 23219



Gordon N. Dixon
Gordon N. Dixon, Director

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

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

(POCKET CARD)

COMMONWEALTH OF VIRGINIA

BOARD FOR APESCIDLA
BUSINESS ENTITY REGISTRATION
NUMBER: 0407003926 EXPIRES: 12-31-2013
PROFESSIONS: ENG
THE LOUIS BERGER GROUP INC
ATTN: LUCY SHUSTER
801 E MAIN ST. SUITE 500
RICHMOND, VA 23219



(FOLD)

(DETACH HERE)

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

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

DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION
COMMONWEALTH OF VIRGINIA

EXPIRES ON
02-29-2012

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

NUMBER
0411000655

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

PROFESSIONS: ENG

THE LOUIS BERGER GROUP INC
1001 WADE AVE.
SUITE 400
RALEIGH, NC 27605



Gordon Dixon
Gordon Dixon, Director

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

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

(POCKET CARD)

COMMONWEALTH OF VIRGINIA

BOARD FOR APPLSCIDLA
BUSINESS ENTITY BRANCH OFFICE REGISTRATION
NUMBER: 0411000655 EXPIRES: 02-29-2012
PROFESSIONS: ENG
THE LOUIS BERGER GROUP INC
1001 WADE AVE.
SUITE 400
RALEIGH, NC 27605



(FOLD)

(DETACH HERE)

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

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

(8/08)

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

0411000653

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

PROFESSIONS: ENG

THE LOUIS BERGER GROUP INC
412 MOUNT KEMBLE AVE.
MORRISTOWN, NJ 07962



Jay W. DeBoer
Jay W. DeBoer, Director

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

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

(POCKET CARD)

COMMONWEALTH OF VIRGINIA

BOARD FOR APELSCIDLA
BUSINESS ENTITY BRANCH OFFICE REGISTRATION
NUMBER: 0411000653 EXPIRES: 02-29-2012
PROFESSIONS: ENG
THE LOUIS BERGER GROUP INC
412 MOUNT KEMBLE AVE.
MORRISTOWN, NJ 07962



(PDA)

(DETACH HERE)

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

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DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION
COMMONWEALTH OF VIRGINIA

EXPIRES ON
12-31-2013

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

NUMBER
0407003031

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

PROFESSIONS: ENG, LS

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



Gordon N. Dixon
Gordon N. Dixon, Director

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

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

(POCKET CARD)

COMMONWEALTH OF VIRGINIA
BOARD FOR APPEALS
BUSINESS ENTITY REGISTRATION
NUMBER: 0407003031 EXPIRES: 12-31-2013
PROFESSIONS: ENG, LS
NXL CONSTRUCTION CO INC NXL CONSTRUCTION
SERVICES INC
114 E CARY ST STE 200
RICHMOND, VA 23219



(FOLD)

(DETACH HERE)

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

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

DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION
COMMONWEALTH OF VIRGINIA

EXPIRES ON

02-29-2012

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

NUMBER

0411000524

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

PROFESSIONS: ENG

S&ME INC
8211 HERMITAGE RD
RICHMOND, VA 23228



Jay W. DeBoer
Jay W. DeBoer, Director

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

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

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

0411000052

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

PROFESSIONS: ENG

FROEHLING & ROBERTSON, INC
6181 ROCKFISH GAP TURNPIKE
CROZET, VA 22932



James W. DeBoer
James W. DeBoer, Director

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

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

(POCKET CARD)

COMMONWEALTH OF VIRGINIA

BOARD FOR APELSCIDLA
BUSINESS ENTITY BRANCH OFFICE REGISTRATION
NUMBER: 0411000052 EXPIRES: 02-29-2012
PROFESSIONS: ENG
FROEHLING & ROBERTSON, INC
6181 ROCKFISH GAP TURNPIKE
CROZET, VA 22932



(DETACH HERE)

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

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

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

**EXPIRES ON
12-31-2013**

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

**NUMBER
0407003927**

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

PROFESSIONS: ENG, LS

**HURT & PROFFITT INC
2524 LANGHORNE RD
LYNCHBURG, VA 24501**



Gordon N. Dixon
Gordon N. Dixon, Director

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

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

(POCKET CARD) **COMMONWEALTH OF VIRGINIA**

**BOARD FOR APELSCIDLA
BUSINESS ENTITY REGISTRATION
NUMBER: 0407003927 EXPIRES: 12-31-2013
PROFESSIONS: ENG, LS
HURT & PROFFITT INC
2524 LANGHORNE RD
LYNCHBURG, VA 24501**



(DETACH HERE)

**DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION
8960 Mayland Dr., Suite 400, Richmond, VA 23233**



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

DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION
COMMONWEALTH OF VIRGINIA

EXPIRES ON
02-29-2012

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

NUMBER
0411000611

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

PROFESSIONS: ENG

GREENHORNE & O'MARA, INC.
10800 MIDLOTHIAN TNPk STE 310
RICHMOND, VA 23235



July W. DeBoer
July W. DeBoer Director

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

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

(POCKET CARD)

COMMONWEALTH OF VIRGINIA

BOARD FOR AP/ELSC/DLA
BUSINESS ENTITY BRANCH OFFICE REGISTRATION
NUMBER: 0411000611 EXPIRES: 02-29-2012
PROFESSIONS: ENG
GREENHORNE & O'MARA, INC.
10800 MIDLOTHIAN TNPk STE 310
RICHMOND, VA 23235



(FOUR)

(DETACH HERE)

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

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THE Louis Berger Group, INC.

801 East Main Street, Suite 500, Richmond, Virginia 23219
Tel 804 225 0348 Fax 804 225 0311 www.louisberger.com

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COMMONWEALTH OF VIRGINIA**

EXPIRES ON
07-31-2013

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

NUMBER
0402031149

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

**JOHN ANDREW VANDERGRUFF
3329 WHITE CHIMNEYS COURT
GLEN ALLEN, VA 23060**



Gordon N. Dixon
Gordon N. Dixon, Director

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COMMONWEALTH OF VIRGINIA

**BOARD FOR APELSCIDLA
PROFESSIONAL ENGINEER LICENSE
NUMBER: 0402031149 EXPIRES: 07-31-2013**

**JOHN ANDREW VANDERGRUFF
3329 WHITE CHIMNEYS COURT
GLEN ALLEN, VA 23060**



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EXPIRES ON
12-31-2013

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

NUMBER
0402041295

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

MICHAEL WILLIAM SAUNDERS
4500 LITCHFIELD DRIVE
CHESTERFIELD, VA 23832



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Gordon N. Dixon, Director

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EXPIRES ON

07-31-2013

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Telephone: (804) 367-8500

NUMBER

0402033041

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

MARK DANIEL MCELWAIN
11341 LONG MEADOW DRIVE
GLEN ALLEN, VA 23059



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Gordon N. Dixon, Director

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EXPIRES ON

07-31-2013

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

NUMBER

0402038210

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

CHARLES BRADFORD SMITH
3413 HUNTON RIDGE RD
GLEN ALLEN, VA 23059



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COMMONWEALTH OF VIRGINIA

EXPIRES ON

12-31-2012

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

0402037906

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

CLYDE ANDERSON SIMMONS III
FROEHLING AND ROBERTSON INC
6181 ROCKFISH GAP TURNPIKE
CROZET, VA 22932



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Gordon N. Dixon, Director

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COMMONWEALTH OF VIRGINIA

EXPIRES ON
02-29-2012

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

NUMBER
0402031971

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

DAVID ANTHONY MALINOSKI
6153 STRONGHOLD DR
MECHANICSVILLE, VA 23111



Jay W. DeBoer
Jay W. DeBoer, Director

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COMMONWEALTH OF VIRGINIA

BOARD FOR APESCIDLA
PROFESSIONAL ENGINEER LICENSE
NUMBER: 0402031971 EXPIRES: 02-29-2012

DAVID ANTHONY MALINOSKI
6153 STRONGHOLD DR
MECHANICSVILLE, VA 23111



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COMMONWEALTH OF VIRGINIA

EXPIRES ON

12-31-2012

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

NUMBER

0403002695

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

TROY DEWITT WILLIAMS
1086 ABBEY PLACE
FOREST, VA 24551



Gordon N. Dixon
Gordon N. Dixon Director

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COMMONWEALTH OF VIRGINIA

EXPIRES ON
06-30-2013

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

NUMBER
2705 062623A

BOARD FOR CONTRACTORS
CLASS A CONTRACTORS LICENSE

FIELDERS CHOICE ENTERPRISES INC

102 S FIRST ST STE 201

CHARLOTTESVILLE VA 22902



CLASSIFICATIONS BLD CIC EMC FIC H/H
HIC ISC

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DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION
COMMONWEALTH OF VIRGINIA

EXPIRES ON
08-31-2013

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

NUMBER
4008 001550

REAL ESTATE APPRAISER BOARD
BUSINESS REGISTRATION

GREENHORNE & O'MARA INC
10800 MIDLOTHIAN TURNPIKE SUITE 310
RICHMOND VA 23235



Gordon N. Dixon
Gordon N. Dixon, Director

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(POCKET CARD) COMMONWEALTH OF VIRGINIA

REAL ESTATE APPRAISER BOARD
BUSINESS REGISTRATION
NUMBER: 4008 001550 EXPIRES: 08-31-2013
GREENHORNE & O'MARA INC

10800 MIDLOTHIAN TURNPIKE SUITE 310

RICHMOND VA 23235



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COMMONWEALTH OF VIRGINIA

EXPIRES ON

11-30-2013

8980 Mayland Dr., Suite 400, Richmond, VA 23233
Telephone: (804) 367-8500

NUMBER

4001 003487

REAL ESTATE APPRAISER BOARD
CERTIFIED GENERAL REAL ESTATE APPRAISER

EVELYN W JONES
321 NORTHBROOKE AVENUE
SUFFOLK VA 23434 0000



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Gordon N. Dixon, Director

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COMMONWEALTH OF VIRGINIA

EXPIRES ON

01-31-2014

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

NUMBER

4008 000940

REAL ESTATE APPRAISER BOARD
BUSINESS REGISTRATION

PAPE & COMPANY INC
1421 SACHEM PLACE SUITE 1
CHARLOTTESVILLE VA 22901



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Gordon N. Dixon, Director

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COMMONWEALTH OF VIRGINIA

EXPIRES ON

11-30-2013

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

NUMBER

4001 000322

REAL ESTATE APPRAISER BOARD
CERTIFIED GENERAL REAL ESTATE APPRAISER

KAREN PAPE
478 WOODLANDS ROAD

CHARLOTTESVILLE VA 22901 0000



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Gordon N. Dixon, Director

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A Design-Build Project

I-64/ROUTE 15 (ZION CROSSROADS)
INTERCHANGE IMPROVEMENT

FROM: 0.30 MI. W. INT. RTE. 15 (I-64 EB & WB)
TO: 0.35 MI. E. RTE. 15 (I-64 EB & WB)

LOUISA COUNTY, VIRGINIA

State Project No.: 0064-054-703, P101, R201 & C501

Federal Project No.: IM-064-2(155)

Contract ID Number: C00086453DB48

February 3, 2012