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**FIELDER'S CHOICE ENTERPRISES (FCE), INC.**

*One of The Caton Companies®*

August 21, 2018

Bryan W. Stevenson, P.E.  
Alternative Project Delivery Division  
Virginia Department of Transportation (VDOT)  
1401 East Broad Street  
Richmond, VA 23219

**Re: REQUEST FOR QUALIFICATIONS • A DESIGN-BUILD PROJECT • Albemarle (County) Intersection Bundling Project • Contract ID Number: C00111814DB103**

Dear Mr. Stevenson:

Fielder's Choice Enterprises (FCE), Inc., as Offeror, is pleased to submit our Statement of Qualifications (SOQ) for the referenced Albemarle Intersection Bundling design-build project. FCE clearly understands the purpose of the SOQ is to successfully identify a qualified Design-Build team to provide comprehensive design and construction services for the on-time, on-budget and high-quality development of the Albemarle Intersection Bundling Project, which includes:

- 1. I-64 EXIT 124 INTERCHANGE IMPROVEMENTS:** Reconfiguring the I-64 Exit 124 interchange with U.S. Route 250 to reduce queueing backups on both roads;
- 2. I-64 EXIT 118 PARTIAL CLOVERLEAF MODIFICATION:** Reconfiguring the I-64 Exit 118 interchange with U.S. Route 29;
- 3. FONTAINE AVENUE RAMP IMPROVEMENTS AT U.S. ROUTE 29 BYPASS (NB):** Widening of the single lane ramp at the Fontaine Avenue exit off of U.S. Route 29 (NB) to provide an option lane, remove conflict points, and ease current weaving issues;
- 4. U.S. ROUTE 250 AND ROUTE 151 ROUNDABOUT:** Converting the intersection of U.S. 250 and Route 151 (currently a temporary signal) to a single lane roundabout to improve operations;
- 5. ROUTE 20 AND ROUTE 649 ROUNDABOUT:** Converting the intersection of Route 20, Route 649 and Route 1494 (currently a four way unsignalized intersection) to a single lane roundabout to improve operations; and
- 6. RIO MILLS ROAD AND BERKMAR DRIVE CONNECTOR:** Realigning and extending Rio Mills Road to tie with Berkmar Drive.

**3.2.1 The full legal name and address of the Offeror:** Fielder’s Choice Enterprises (FCE), Inc., 158 Industrial Way, Suite 203, Troy, VA 22974.

3.2.2 Offeror Point-of-Contact	3.2.3 Principal Officer of FCE
<b>James “Matt” Holcomb, PE, DBIA</b> President, FCE 158 Industrial Way, Suite 203 Troy, VA 22974 P: 434-244-0250   F:434-977-3783	<b>James “Matt” Holcomb, PE, DBIA</b> President, FCE 158 Industrial Way, Suite 203 Troy, VA 22974 P: 434-244-0250   F: 434-977-3783

**3.2.4 Offeror’s Corporate Structure:** Fielder’s Choice Enterprises (FCE), Inc. is a Commonwealth of Virginia-based S Corporation; and, for this procurement, will be the prime contractor and have primary financial responsibility for the successful completion of the project(s). FCE is VOSB and SWaM certified; is a certified DPOR Class A Contractor; and has successfully completed dozens of projects since 1987. Industry recognition includes the *Gold Shovel Standard*®, *Virginia Transportation Construction Alliance Engineering Award*, and *Staunton (VA) District Best Completed Construction Award*; memberships include the Associated General Contractors, *I Build America*®, VTCA, and Old Dominion Highway Contractors Association.

**3.2.5 Identity of Lead Contractor and Lead Designer:** The Lead Contractor for this project will be **Fielder’s Choice Enterprises (FCE), Inc.** and the Lead Designer will be **Louis Berger, U.S., Inc. (Louis Berger)**. Louis Berger is an *ENR Top 10*-ranked transportation services firm with a comprehensive suite of environmental, economic, engineering, and CEI services. The firm has provided design services for thousands of roadways and intersections of all sizes and types; and has been active in design-build, design-bid-build, and P3 project delivery types.

*The following requested information is contained under the respectively named tabs or part of the Appendix.*

**3.2.6 Full Legal Name and Address of all Affiliated and/or Subsidiary Companies**

**3.2.7 Certification Regarding Debarment forms**

**3.2.8 Offeror’s VDOT Prequalification Status**

**3.2.9 Bonding Capacity**

**3.2.10 SCC and DPOR Requirements**

**3.2.11 DBE Participation Goal:** FCE is committed to achieving a 9% (nine percent) Disadvantaged Business Enterprise (DBE) participation goal for the entire value of the contract.

Respectfully,



James “Matt” Holcomb, PE, DBIA  
 President of Fielder’s Choice Enterprises (FCE), Inc.



### 3.3 TEAM STRUCTURE / LEAD CONTRACTOR AND LEAD DESIGNER



**Fielder’s Choice Enterprises (FCE), Inc | Lead Contractor.** For nearly 30 years, FCE been building and rehabilitating the infrastructure throughout the Commonwealth for VDOT as well as local municipalities, such as Fauquier County and Henrico County, and the cities of Radford and Lynchburg. On the Federal level, clients have included the U.S. Department of Transportation’s Federal Highway Administration and the USDA’s Forest Service. FCE, as the Lead Contractor, has the proven, broad, and deep experience and expertise to successfully manage the design and construction of the **Albemarle Intersection Bundling Project(s)**. We hold all required state certifications and licenses; have earned *Gold Shovel Standard*<sup>®</sup> recognition; and follow all *I Build America*<sup>®</sup> protocols. FCE successfully specializes in the size, scope and complexity of these requirements; our current work and team locations place us in an ideal position to mobilize and meet any or all demands of the project(s). We will develop innovative solutions, meticulous design, and a cost-effective bid; and we will leverage proven processes, practices and methodologies in the planning, development, and completion of these key VDOT project(s). DLB Enterprises, LLC, FCE’s Hillsville, VA-based wholly-owned subsidiary, will allow the FCE Design-Build Team (DBT) to quickly and seamlessly scale in the area(s) of labor resources and equipment for these multiple / concurrent projects as needed.



**Louis Berger, U.S., Inc. (Louis Berger) | Lead Designer.** Louis Berger will serve as Lead Designer for the **Albemarle Intersection Bundling Project**. They are an *Engineering News-Record* “Top 20” transportation services firm that serves a diverse client base with a comprehensive suite of planning, environmental, economic, engineering, and construction engineering and inspection (CEI) services. Since its founding in 1953, the firm has provided design services for thousands of transportation projects of all sizes and types – and been active in design-build, design-bid-build and Public-Private Partnerships (P3) project delivery methods. Louis Berger has been an active leader in Virginia’s transportation engineering community for more than 28 years, designing structures ranging from larger, complex river crossings to culverts for VDOT and local transportation authorities. Louis Berger was lead designer for the award-winning 3,000-foot Huguenot Memorial Bridge replacement and the Route 58 Bridges over the Middle Fork of the Holston River, both for VDOT. Currently, they are the lead designer for Transform I-66 Outside the Beltway Design-Build project in Fairfax County, VA. Louis Berger will work from its local offices in Richmond and Chantilly, VA for this project.

Fielder’s Choice Enterprises has formerly teamed with Louis Berger on previous design-build projects; and for the **Albemarle Intersection Bundling Project**, to supplement our experience, FCE and Louis Berger have chosen a group of highly-skilled team members who possess the necessary expertise to deliver a successful on-time, on-budget and high-quality project.

Team Member	Albemarle Intersection Bundling Project Expertise
PRIME AE Group, Inc. (P)	<i>Design Subconsultant</i>
CES Consulting, LLC (CES)	<i>Quality Assurance Management (QAM)</i>
Froehling & Robertson (F&R), Inc.	<i>Geotechnical Engineering, and Construction Quality Control (QC) Management</i>
O.R. Colan Associates, LLC (ORC)	<i>Right-of-Way (ROW) Management</i>
Safety United Enterprises, LLC – (SUE)	<i>Safety Management</i>

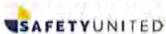
Seventh Point Public Relations (SP)	<i>Public Relations Management</i>
So-Deep, Inc. – A SAM Company (SO)	<i>Subsurface Utility Engineering, Surveying and Mapping, and Utility Coordination</i>
Stantec, Inc. (ST)	<i>Environmental and Stormwater</i>

 **PRIME AE Group, Inc.** is an *Engineering-News Record* Top 500 A/E firm that offers a full range of services in transportation, architecture and engineering, construction management, survey and water resources. With more than 400 professionals in 16 offices, PRIME has the expertise, manpower and resources to prepare high-quality, innovative and cost-effective project solutions. Since 2010, PRIME staff has been involved in more than 50 design-build projects, representing more than \$1.5 billion in construction revenues.

 **CES Consulting, LLC** (SWaM, DBE) is rich in talent, experience and certifications ranging from Professional Engineering (PE) License, Project Management Professional (PMP) Certification, Certified Construction Manager (CCM), Planning and Scheduling Professional (PSP), Risk Management Professional (RMP), Certified Cost Professional (CCP), Design Build Institute of America (DBIA), Leadership in Energy and Environmental Design (LEED), WACEL, IMSA Traffic Signal and NACE.

 Established in 1881, **Froehling & Robertson, Inc.** (SWaM; NC HUBzone) is a minority-owned business as well as the oldest independent consulting engineering / testing firm in the U.S. F&R's full range of services include core competencies in the areas of construction materials testing and geotechnical and environmental engineering.

 **O.R. Colan Associates, LLC** is the nation's oldest firm specializing exclusively in land acquisition, relocation and program management for public works projects; and is recognized nationally as the premier company in the field of real estate / right-of-way acquisition and related services for projects implemented under the provisions of the Uniform Relocation and Real Property Acquisition Policies Act.

 **Safety United Enterprises, LLC** – one of The CATON COMPANIES® along with Lead Contractor FCE – specializes in all safety inspections, record keeping, safety training and certifications. They will enable FCE to continue to leverage its *Gold Shovel Standard*® for improving workforce and public safety and the integrity of buried infrastructure.

 **Seventh Point Public Relations** is a media agency that specializes in public and community relations management and measurement for local governments and mid-sized organizations – leveraging myriad communications channels and vehicles, including print, broadcast and social media platforms.

 **So-Deep, Inc., a Surveying And Mapping (SAM), LLC Company**, is a leader in providing geospatial data solutions such as land and hydrographic surveying, airborne, mobile, and terrestrial LiDAR, aerial mapping, GIS, SUE, utility coordination and construction phase services.

 **Stantec, Inc.** is an international professional services company that provides professional consulting services in planning, engineering, architecture, interior design, landscape architecture, surveying, environmental sciences, project management, and project economics for infrastructure and facilities projects. They boast more than 22,000 employees operating out of more than 400 locations in North America and seven locations internationally.

**HOW THE FIELDER'S CHOICE ENTERPRISES (FCE) / LOUIS BERGER TEAM IS DIFFERENT**

- ❖ FCE is U.S. Veteran-Owned Small Business (VOSB) and Virginia Small, Women and Minority-owned business (SWaM) certified.
- ❖ FCE's industry recognition includes the *Gold Shovel Standard®*, *Virginia Transportation Construction Alliance (VTCA) Engineering Award* and *Staunton (VA) District Best Completed Construction Award*.
- ❖ FCE is an "I Build America®" prime construction contractor.
- ❖ Louis Berger U.S. is an *Engineering News-Record* "Top 20" ranked full-service engineering, architecture, planning, environmental, program and construction management, and economic development company.
- ❖ Louis Berger U.S. leverages its proven experience and expertise of being in more than 50 countries – represented by the multidisciplinary expertise of 6,000 engineers, economists, scientists, managers and planners.
- ❖ The FCE-LB team will ensure VDOT team and workflow excellence by offering – at our cost – a proven *Governance Process, Governance Committee, Customer Satisfaction Survey* and *Customer Value Index (CVI)*.
- ❖ At least 90% of all team members assigned to this Project will live and work in the Commonwealth of Virginia; therefore, keeping state dollars in state.

**3.3.1 Key Personnel for this project include:**



**3.3.1.1 Design-Build Project Manager (DBPM)**

**Michael T. Russo, PE; (FCE); VA Reg # 0402056545**

*(www.linkedin.com/in/michael-russo-pe-940a6484)*

**Mr. Russo** will be responsible for overall project design and construction and has the necessary deep expertise and experience required to supervise and exercise control of the work. That work will be comprised of all Design-Builder's design, construction, quality management, contract administration and other services required by the Contract Documents, including procuring and furnishing all materials, equipment, services and labor reasonably inferable from the Contract Documents in a timely manner. Mr. Russo is capable of answering questions/inquiries relevant to the project. He also will be responsible for meeting the Design-Builder's obligations under the Contract and avoiding and resolving disputes under Section 10.2.2 of RFP Part 4 - General Conditions of Contract. Mr. Russo will also coordinate any required public outreach and public meetings. *Mr. Russo's full resume, including appropriate work assignments, is contained in the respectively named Attachments in the Appendix.*

*15-plus years of experience in design-build (P3) and bid-build construction projects • Extensive background in heavy highway, utilities, ITS and electrical systems, and structural reinforced concrete construction • Proven project management experience and expertise • Extensive experience with projects for VDOT, including Route 29 Solutions (Charlottesville, VA) and I-95 HOV Express Lanes (Springfield, VA) • Professional Engineer (PE) Certified • Masters in Civil Engineering*



**3.3.1.2 Quality Assurance Manager (QAM)**

**Avtar Singh, PE, CCM, Associate DBIA; (CES Consulting, LLC)**  
**VA Reg # 042940**

([www.linkedin.com/in/avtar-singh-pe-ccm-pmp-assoc-dbia-5627394](http://www.linkedin.com/in/avtar-singh-pe-ccm-pmp-assoc-dbia-5627394))



**Mr. Singh** is from an independent firm that has no contractual relationship and no involvement in construction operations (to include QC inspection and testing) for the Project, and will be responsible for the quality assurance (QA) inspection and testing of all materials used and work performed on the

Project; this will include monitoring of the contractor's quality control (QC) program. Mr. Singh will ensure all work and materials, testing, and sampling are performed in conformance with the contract requirements and the "approved for construction" plans and specifications. He is a registered, licensed, Professional Engineer in the Commonwealth of Virginia. *Mr. Singh's full resume, including appropriate work assignments, is contained in the respectively named Attachments in the Appendix.*

*More than 20 years of VDOT construction inspection experience throughout Commonwealth of Virginia • Experienced in Design Build and Design Bid Build construction of major roadway, bridges, maintenance and ITS projects • Certified Construction Manager designation from CMAA • Certified DBIA professional • VA PE license • QAM on Route 29 Solutions in Culpeper District, Warrenton Southern Interchange Project • QC inspection on Route 772 project and Rappahannock bridge project • In-depth knowledge of VDOT design build processes and procedures*



**3.3.1.3 Design Manager (DM)**

**Craig A. Ponte, PE; (Louis Berger); VA Reg # 043185**

([www.linkedin.com/in/craig-ponte-a918aab](http://www.linkedin.com/in/craig-ponte-a918aab))



**Mr. Ponte** will be responsible for coordinating the individual design disciplines and ensuring the overall Project design is in conformance with the Contract Documents. He will be responsible for participating in the QA/QC program for all pertinent disciplines involved in the design of the Project, including review of design, working plans, shop drawings, specifications, and constructability for the Project. In addition to his background with VDOT

design projects, he has held critical roles in the successful delivery on highway/roadway design projects involving interchanges. Mr. Ponte is a registered, licensed, Professional Engineer in the Commonwealth of Virginia. *Mr. Ponte's full resume, including appropriate work assignments, is contained in the respectively named Attachments in the Appendix.*

*Responsible for management and quality control of transportation projects throughout VA and the Mid-Atlantic Region • 15-plus years of design management and project management experience and expertise • Experience with VDOT projects, including Transform I-66 Outside the Beltway (Fairfax County, VA) • Route 360 Bridges over Route 360 Business & NSRR (Amelia County, VA) • Multiple Culvert Rehabilitation (Richmond, Fredericksburg and NoVA Districts, VA) • Professional Engineer (PE) Certified*



### 3.3.1.4 Construction Manager (CM)

**Timothy A. Wade, RLD, ESCCC (FCE)**

*(www.linkedin.com/in/tim-wade-61542316)*

Mr. Wade will be on the Project site for the duration of construction operations, will be responsible for managing the construction process, to include all Quality Control (QC) activities to ensure the materials used and work performed meet contract requirements and the “approved for construction” plans and specifications. Mr. Wade holds a Virginia

Department of Environmental Quality (DEQ) Responsible Land Disturber (RLD) Certification, and a VDOT Erosion and Sediment Control Contractor Certification

(ESCCC). *Mr. Wade’s full resume, including appropriate work assignments, is contained in the respectively named Attachments in the Appendix.*

*30-plus years of construction experience • Deep experience and expertise in projects for the Virginia Department of Transportation (VDOT), including Hillsdale Drive Extension, City of Charlottesville, VA, Midtown Connector, City of Lynchburg, VA and Westchester Commons, Midlothian, VA • Certifications include Virginia Department of Environmental Quality (VDEQ) Responsible Land Disturber (RLD) and VDOT Erosion and Sediment Control Contractor (ESCCC)*

### 3.3.2 Organizational Chart Narrative

#### Integration of the Design and Construction Team

VDOT expects a proven, professional, collaborative, and integrated Design-Build Team (DBT) to effectively plan, manage, and successfully execute multiple simultaneous designs for these important, large-scale, multidiscipline transportation projects. The FCE DBT will be led by our Design-Build Project Manager, **Michael T. Russo, PE**, of **Fielder’s Choice Enterprises (FCE), Inc.**, who will be responsible for overall management of the entire project. Mr. Russo will have full operational oversight of all aspects of the project and will serve as the primary contact for VDOT. He will work closely with the Design Manager, **Craig A. Ponte, PE**, of **Louis Berger, U.S., Inc.**; Design Subconsultant **Todd A. Bergstrom, PE** of **PRIME AE Group, Inc.**; and the Construction Manager, **Timothy E. Wade, RLD, ESCC**, of **Fielder’s Choice Enterprises (FCE), Inc.**

The integrated Design-Build Team (DBT) will include the Quality Assurance Manager (QAM), **Avtar Singh, PE, CCM, Associate DBIA**, and **Kemp Pullin** of **CES Consulting, LLC**; along with **Clyde Simmons, PE** and **Emily Dean, PE** of **Froehling & Robertson (F&R), Inc.** for **Geotechnical Engineering** and **Construction Quality Control (QC) Management**, respectively; **Randy Friedland, Robert Elliot, Jr.** and **Scott Wheatley** of **O.R. Colan Associates, LLC** for **Right-of-Way (ROW) Management**; **Josh Oliver** of **Safety United Enterprises, LLC** for **Safety Management**; **Mike Carosi** of **Seventh Point Public Relations** for **Public Relations Management**; **Mark Goldman, Richard Fralin** and **Sean Weingartner** of **So-Deep, Inc.** for **Subsurface Utility Engineering, Surveying and Mapping** and **Utility Coordination**, respectively; and **Dr. Loretta Cummings** and **Doug Beisch, PE**, of **Stantec, Inc.** for **Environmental** and **Stormwater**, respectively.

This seasoned and proven team will confirm all design and construction is in accordance with contract requirements: services levels, quality and safety expectations, budgets, and timetables. Mr. Russo, in coordination with his key management team, is responsible for the development of our PROJECT MANAGEMENT PLAN (PMP) that will embrace an integrated team structure with clear roles, authority, responsibility and procedures; establish a competent and responsive organization of experienced design and construction personnel, well-versed in all project requirements; be guided by design build management principles and systems that have been tested and proven; and conduct biweekly coordination meetings with design, construction, and our Quality Managers. Mr. Russo will also hold a position on the **Albemarle Intersection Bundling Governance Committee**; and have responsibility for the *Customer Satisfaction Survey* process and *Customer Value Index (CVI)* scores.

*(NOTE: FCE will ensure team and workflow excellence by leveraging – at our cost – this Governance Committee that will include balanced representation from VDOT, FCE, Louis Berger, PRIME, and any other VDOT-recommended entities. Key project components will be consistently and quantitatively measured, managed and, if needed, aggressively remediated. A Customer Satisfaction Survey process will yield ongoing Customer Value Index (CVI) scores. Similar Governance programs have been successfully implemented by a current member of the FCE management team at two of Virginia’s FORTUNE 500 companies: Unisys Corporation in Reston and LandAmerica Financial Group (LFG), Inc. in Glen Allen.)*

The FCE Design-Build Team (DBT) will approach the project by breaking down the work elements into manageable/buildable units. Our Project Management Plan (PMP) is the fundamental basis for successfully completing this project on time and on budget. The FCE Design-Build Team (DBT) is highly experienced and highly motivated for:

- Quick and efficient mobilization;
- Compliant and efficient design completion; and
- Construction execution with a goal of zero safety and quality incidents.

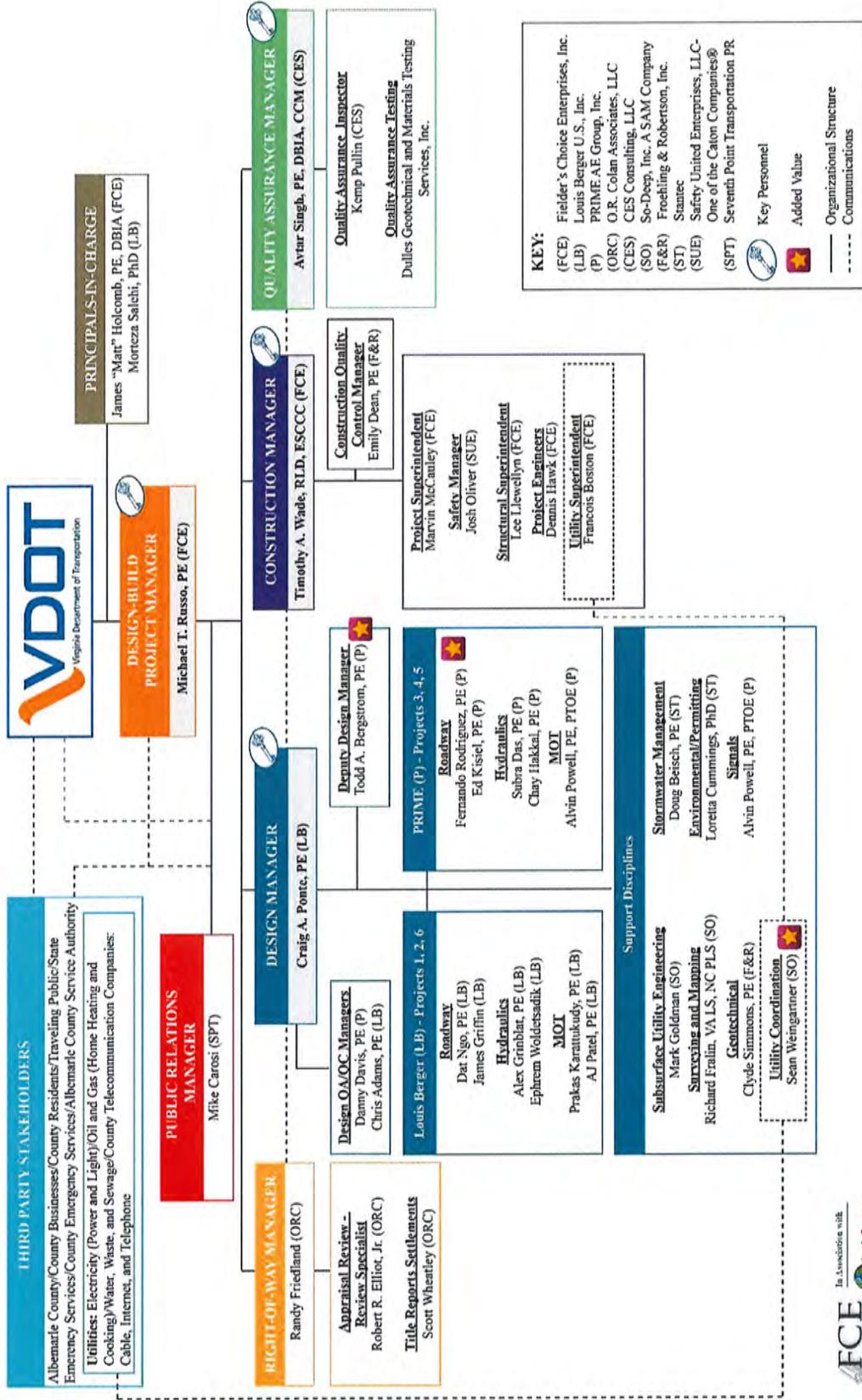
### 3.3.2 Organizational Chart

Communication amongst the entire team throughout the design and construction process is a key factor in the completion of a successful, quality project. The Organizational Chart on the following page depicts the chain of command of all firms, including the individuals responsible for major functions and their reporting relationships in managing, designing, and constructing this project.



# REQUEST FOR QUALIFICATIONS

## ALBEMARLE INTERSECTION BUNDLING



### **3.4 EXPERIENCE OF OFFEROR'S TEAM**

Work histories on projects of similar scope and complexity for the Lead Contractor, Fielder's Choice Enterprises (FCE), Inc., and for the Lead Designer, Louis Berger, U.S., Inc., are contained in the Appendix under the respectively named tab. This includes relevant experience by the Lead Designer on at least one diverging diamond interchange (DDI) project.

### 3.5 PROJECT RISKS

#### 3.5.1 RISK ONE – ENVIRONMENTAL RISKS AND MITIGATION

The largest risk is project 111733; Route 20 / Route 649 roundabout due to the presence of Virginia Outdoors Foundation (VOF) easements. If the easements cannot be avoided, substantial project delays can occur. In addition, a NEPA document and permit requiring mitigation is needed for possibly 800 LF of impact. There are cultural resources in the area that may further complicate the permitting effort.

Planning to construct the two least complicated environmental projects first (111727 ad 111813) would allow additional time for coordinating and permitting of the other projects. Planning to build 111733 last would allow time to clear the VOF easements if necessary.

A Weighed Matrix was created to give a numerical value to each project to aid in assessing the environmental factors with low numbers representing easier circumstances and higher numbers representing more difficult situations. *The complete matrix is attached in the Appendix.*

UPC	VDOT Project Number	TOTAL Points
111727	0029-002-959, P101, C501	3
111813	0029-002-955, P101, R201, C501	3
109397	9999-002-941, P101, R201, C501	3
111730	0250-002-954, P101, R201, C501	9
111814	0250-002-956, P101, R201, C501	10
111733	0020-002-953, P101, R201, C501	15

The six projects have varying levels of potential environmental constraints and studies/coordination to complete to be deemed clear for construction., Below is a summary of the projects and their respective environmental elements, in order from easiest to most difficult. **Assumptions are based upon the environmental data provided by VDOT in the RFP package and some cursory environmental resource database queries.** All projects will have similar work to complete including delineation of WOUS, VDOT forms such as the EQ-121 and EQ-555, but some will need additional processing for NEPA and permits and carry higher risk. The first two have completed the NEPA process and require no permits, making them the easiest to clear for construction.

#### 111727; 0029-002-959, P101, C501 – I-64/Route 29 Interchange Improvements

The NEPA process is complete; a PCE has been issued. There are no permits needed. Possible Northern Long-eared bat coordination if trees are removed. Use of the 4(d) rule anticipated for any bat issues.

**Risk Mitigation:** Perform due diligent environmental studies early. Early coordination and IPaC for NLEB to get agency agreement on use of 4d rule. Assuming no WOUS, no Section 401/404 permit required.

#### 111813; 0029-002-955, P101, R201, C501 – Improvements to NB Route 29 / Fontaine Avenue Ramp

The NEPA process is complete; a PCE has been issued. There are no permits needed. Possible Northern Long-eared bat coordination if trees are removed. Use of the 4(d) rule anticipated for any bat issues.

**Risk Mitigation:** Perform due diligent environmental studies early. Early coordination and IPaC for NLEB to get agency agreement on use of 4d rule. Assuming no WOUS, no Section 401/404 permit required.

**109397; 9999-002-941, P101, R201, C501 – Rio Mills / Berkmar Connector**

The Rio Mills/Berkmar Connector does not require a permit if constructed in the corridor currently designated. An EQ-429 was submitted to agencies, but the PEI is not part of the package provided. The project is State funded and NEPA is not required. Cultural resources information was not provided. No NEPA needed, no permits needed. Additional information needed on cultural resources. Bat coordination will be needed for the tree clearing. Additional environmental studies are underway.

**Risk Mitigation:** Perform LERP/SERP and any due diligent environmental studies early to confirm VDOT findings. A NLEB was identified during acoustic surveys on the Route 29/ Berkmar Drive project. Early coordination with USFWS and IPaC for NLEB to get agency agreement on use of 4d rule, survey or TOYR. Assuming no WOUS, no Section 401/404 permit required.

**The next three projects need NEPA completed and need permits. They vary in the degree of impacts, possibility for mitigation, and cultural resources coordination with the last project being the most complicated.**

**111814; 0250-002-956, P101, R201, C501 – Exit 124 Diverging Diamond**

This project needs a NEPA document, likely a CE or PCE, and a permit that may be a Nationwide or SPGP/GP combination. The extension of the box culvert should be limited to under 300LF to avoid mitigation. There is a NRHP eligible structure near the project limits and may require additional coordination with the Department of Historic Resources (DHR). A Time of Year Restriction may be needed for the Green Floater present in the Rivanna River. Bat coordination will be needed for the tree clearing. A Willingness to hold a public hearing will need to be posted.

**Risk Mitigation:** Perform due diligent environmental studies early. Pre-app with agencies to early coordinate with VDHR to see if additional studies or design commitments will be required, as well as USFWS to confirm 4d rule for NLEB and if a survey is needed for Green Floater, or if a TOYR is acceptable based on anticipated construction schedule. Avoid and minimize impacts to WOUS. If CE and thresholds are met. permit using NWP #23.

**111730; 0250-002-954, P101, R201, C501 – Route 250 / Route 151 Roundabout**

This project needs a NEPA document, likely a CE or PCE, and a permit that may be SPGP/GP combination. There is an extension of a box culvert and a wetland ditch impacts. Stockton Creek is expected to be impacted. Greenwood-Afton Rural Historic District and the Rockfish Gap Country Store are eligible for the NRHP and will require additional coordination with the DHR. Bat coordination will be needed for the tree clearing. A Willingness to hold a public hearing will need to be posted.

**Risk Mitigation:** Perform due diligent environmental studies early. Pre-app with agencies to early coordinate with VDHR to see if additional studies or design commitments will be required, as well as USFWS to confirm 4d rule for NLEB. Avoid and minimize impacts to WOUS. If CE and thresholds are met. permit using NWP #23.



- Poor craftsmanship because of going too fast

**Mitigation Strategies (Specific to the DDI)**

**MOT at I-64 and US250: Converting Existing Diamond Interchange to a DDI.** Nightly lane closures to construct the median areas and ramp terminal reconstruction to convert to a DDI would occur frequently, until that work is completed.

Then, in order to change the markings and signals to affect the traffic pattern switch from the existing to the final DDI pattern, the interchange would normally be closed between the ramp terminals over a weekend, say from midnight Friday, to 8am Sunday morning. Thru-traffic along US 250 would then be diverted to the nearest interchange and back. However, since the resulting total detour would be roughly 10.6 miles to the east and 5.2 miles to the west, consideration may be given to using pilot vehicles to lead drivers through the interchange.

Due to the very high traffic volumes on US250, construction could be very difficult and dangerous. Extreme congestion during construction of the DDI, largely unavoidable, could also present a bad image for the Team, both to VDOT and to the public. Communication of proposed lane, and interchange closures to the motoring public will be a high priority in protecting our image, and keeping congestion to a minimum, and reducing accident potential.

**Mitigation Strategies (Specific to the Roundabout Locations)**

- Building the roundabout offset from the existing intersection location will reduce impacts to the traffic during construction. At locations where the roundabout location conflicts with existing traffic, it will be routed around using temporary or proposed pavement. The MOT will be set up to construct the inside circle island in one phase to avoid joints and minimize the phasing.
- The phasing will be designed to maintain all movements during construction and provide enough room for trucks to turn. All the movements will be carefully analyzed during preliminary design using Autoturn software, additional lane width and shoulders will be provided to facilitate the moves.
- MOT markings and signings will be designed to provide clear direction to the traveling public. The use of added measures such as changeable message signs, delineators, rumble strips, etc. will be studied and implemented as appropriate.
- DBT will include both a Maintenance of Traffic Manager and a Safety Manager to continually evaluate the work areas to ensure proper operations and safety. They will have full authority to implement revisions as needed to maintain traffic safely and efficiently.

**Fernando Rodriguez, PE** will lead roadway design.

- Recent City of Akron, Ohio DB experience includes \$35M design and construction of a new roundabout in a high traffic intersection – required traffic maintained at all times.
- 25+ years design and management experience of highway projects

**Role of VDOT and Other Agencies**

- Assist with public outreach activities.
- Assist with communications with other agencies, such as law enforcement, emergency services, municipalities, etc.
- Provide timely input and reviews

### 3.5.1 RISK THREE – UTILITIES

**The Risk.** One of our Design-Build Team’s “unique” risks associated with the Albemarle Intersection Bundling Project is that of encountering Unknown Underground Utilities. Based upon our initial site review of all six project locations we did not observe any evidence or markers of known underground utilities. As we develop the preliminary plans we anticipate obtaining existing utility information, but that does not eliminate the risk of the unknown.

#### Why is the Risk Critical?

- Even if an underground utility is discovered during the preliminary design phase there still is the risk of the unknown depth which could require significant adjustment to proposed work
- Profile grades may need to be raised to clear
- Construction activities including work staging areas could easily cause a disruption of service if the utility had not been discovered
- The discovery of an unknown utility may require the relocation of that utility.
  - This could require additional permanent ROW or construction easements.
  - Schedule to relocate may not meet the overall project schedule

#### Impact of Risk to the Project

- Schedule delays
- Costly revisions during construction
- It can affect required additional permanent ROW or construction easements
- It can present a safety hazard to the public and construction personnel

#### Mitigation Strategies

FCE highway construction experience provides the proof that the majority of these projects requires a solid plan and working relationship with the utility owners. Our Utility Coordination Plan is part of the overall Project Management Plan. **Sean Weingartner** will lead the Utility Coordination efforts for the FCE DBT. Our Utility Coordination plan is essentially the guide for mitigating the potential risks. The plan will include the following activities:

- FCE will develop a detailed utility matrix and perform additional subsurface utility engineering services to supplement existing data. We will understand the extent of the utilities and identify the utility owners very early in the project. We will engage SAM to complete the Subsurface Utility Engineering services. SAM will investigate the sites early in the design process by contacting utility owners, reviewing existing records and performing Level B location services. Level B information will be supplemented with Level A data (test holes) to be performed at critical locations.

**Sean Weingartner** will be responsible for all utility coordination activities. He will be the direct line of communication to and from each utility company. His experience includes:

- **21+ years'** experience as utility coordinator. Includes **10 years** as utility engineer for **VDOT's Hampton Roads District**
- Proven utility coordination and management expertise
- Experienced working with local public and private utility companies

- We will work closely with the utility companies to identify potential conflicts. All utilities will be included with our project Task Force meetings providing opportunities to identify and mitigate issues before they impact the critical path on the project schedule.
- To further mitigate potential impacts to schedule we will **provide flexibility in our schedule** where utility related stoppage could delay our project. Sean Weingartner will lead face to face and field meetings scheduled early and often in the planning/design phase. In addition, formal submittal and review meetings will be conducted with all utility owners. Constant communication and interface between DBT personnel, both designers and constructors, and utility representatives will be the norm on the project.
- Design submittals will be provided to all affected utilities for review and acceptance. Schedule and review requirements will be clearly communicated to each utility. Our project schedule will incorporate appropriate design review times and relocations, if needed for the utilities.
- If relocation is necessary and additional Right of Way or construction easements are required, the FCE DBT includes the expertise ROW services from O.R. Colan Associates.

**SAM**

- Staff has completed more than 15,000 subsurface utility designating and locating projects
- Leading provider of subsurface utility engineering services
- 90+ Licensed Surveyors, Professional Engineers, and Photogrammetrists

**O.R. Colan Associates**

- More than 48 years of experience providing ROW services for State Departments of Transportation
- Recognized nationally in the field of ROW negotiations and relocation assistance
- Maintains a staff of 20+ ROW professionals in the Mid-Atlantic region
- ROW Manager Randy Friedland previously worked for VDOT, where he served as ROW and Utilities Division Manager

**Role of VDOT and Other Agencies**

Utility-related risk mitigation will be performed by the FCE DBT. We will include major utility issues in the P6 CPM project schedule and keep VDOT informed of all coordination by copying the District Utility Coordinator on all correspondence between the FCE DBT and utility owners. We expect VDOT’s involvement in utility risk mitigation to be limited. If the FCE DBT identifies an issue where a utility has failed to relocate their facility or construct new facilities in a timely manner, we will look to VDOT to issue Obstruction of Removal Notice(s). VDOT will also get involved if there is a non-responsive utility. This will typically happen through an escalation process from the D-B to the Oversight team to VDOT. In reality, it’s usually handled through the weekly or biweekly utility coordination meetings if VDOT attends. Usually a call from the Regional Utility Manager gets the non-responsive utility engaged, but for the purposes of this exercise, the escalation process should be noted.

### 3.6 APPROACH TO EXECUTING WORK ON MULTIPLE PROJECTS

Not surprisingly, proposed Lead Contractor **Fielder's Choice Enterprises (FCE), Inc.**, proposed Lead Designer **Louis Berger, U.S., Inc.** (*Engineering News-Record Top 20*) and proposed Design Subconsultant **PRIME AE Group, Inc.** (*ENR Top 500*) all have handled hundreds of design-build projects over their respective histories – many of them concurrently – on time, on budget, and to the highest of service levels, quality standards and safety requirements.

The same can be said for our proven and highly-skilled seven team members: **CES Consulting, LLC** for Quality Assurance Management (QAM); **Froehling & Robertson (F&R), Inc.** for Geotechnical Engineering, and Construction Quality Control (QC) Management; **O.R. Colan Associates, LLC** for Right-of-Way (ROW) Management; **Safety United Enterprises, LLC** for Safety Management; **Seventh Point Public Relations** for Public Relations Management; **So-Deep, Inc.** (a SAM Company) for Subsurface Utility Engineering, Surveying and Mapping, and Utility Coordination; and **Stantec, Inc.** for Environmental and Stormwater.

The FCE Design-Build Team (DBT) would guarantee VDOT confidence in meeting or exceeding all components of the **Albemarle Intersection Bundling Project** with the following 12 commitments:

1. A majority of our Key Personnel will be certified Professional Engineers (PEs).
2. In many cases, Key Personnel also will hold Masters Degrees in Civil Engineering and/or *Design-Build Institute of America (DBIA)*, *Construction Management Association of America (CMAA)*, *Virginia Department of Environmental Quality (VDEQ) Responsible Land Disturber (RLD)* and/or *VDOT Erosion and Sediment Control Contractor (ESCCC)* certifications.
3. Our team will have deep experience and expertise with scheduling, scaling, balancing, managing and measuring labor resources and equipment for multiple / concurrent projects.
4. This will include all design and all construction as well, of course, as all design review, sequencing and QA/QC.
5. We will ensure the leverage of industry and company best of practices and methodologies for traffic flow, public safety and public awareness.
6. If and as needed, our resources and equipment will be available 24-hours per day, including nights, weekends, and holidays.
7. FCE will leverage its values as a *Gold Shovel Standard®* and *I Build America®* bridge, freight rail, highway and other transportation construction company.
8. FCE's Design-Build Project Manager (DBPM), **Michael T. Russo, PE**, in coordination with his key management team, will be responsible for the development of our *PROJECT MANAGEMENT PLAN (PMP)* that will embrace an integrated team structure with clear roles, authority, responsibility and procedures; establish a competent and responsive organization of experienced design and construction personnel, well-versed in all project requirements; be guided by design build management principles and systems that have been tested and proven; and conduct biweekly coordination meetings with design, construction, and our Quality Managers.
9. Mr. Russo will also hold a position on the *Albemarle Intersection Bundling Governance Committee*; and have responsibility for the Customer Satisfaction Survey process and

Customer Value Index (CVI) scores. *(NOTE: FCE will ensure team and workflow excellence by leveraging – at our cost – this Governance Committee that will include balanced representation from VDOT, FCE, Louis Berger, PRIME, and any other VDOT-recommended entities. Key project components will be consistently and quantitatively measured, managed and, if needed, aggressively remediated. A Customer Satisfaction Survey process will yield ongoing Customer Value Index (CVI) scores. Similar Governance programs have been successfully implemented by a current member of the FCE management team at two of Virginia's FORTUNE 500 companies: Unisys Corporation in Reston and LandAmerica Financial Group (LFG), Inc. in Glen Allen.)*

10. The FCE Design-Build Team (DBT) will approach the project by breaking down the work elements into manageable/buildable units. Our *PROJECT MANAGEMENT PLAN (PMP)* is the fundamental basis for successfully completing these concurrent projects on time and on budget.
11. The FCE Design-Build Team (DBT) will be highly experienced and highly motivated for quick and efficient mobilization; compliant and efficient design completion; and construction execution with a goal of zero safety and quality incidents.
12. **DLB Enterprises, LLC, FCE's Hillsville, VA-based wholly-owned subsidiary, will allow the FCE Design-Build Team (DBT) to quickly and seamlessly scale in the area(s) of labor resources and equipment for these multiple / concurrent projects as needed.**

**ATTACHMENT 2.10****COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF TRANSPORTATION**

RFQ NO. C00111814DB103  
 PROJECT NO.: 0250-002-956

**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 – July 11, 2018  
(Date)
2. Cover letter of RFQ Addendum #1- August 2, 2018  
(Date)
3. Cover letter of \_\_\_\_\_  
(Date)

  
 \_\_\_\_\_  
 SIGNATURE

8/15/18  
 \_\_\_\_\_  
 DATE

JAMES "MATT" HOLCOMB  
 \_\_\_\_\_  
 PRINTED NAME

PRESIDENT  
 \_\_\_\_\_  
 TITLE

**ATTACHMENT 3.1.2**

**Project: 0250-002-956**

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

**ATTACHMENT 3.1.2**

Project: 0250-002-956

**STATEMENT OF QUALIFICATIONS CHECKLIST AND CONTENTS**

Statement of Qualifications Component	Form (if any)	RFQ Cross reference	Included within 15-page limit?	SOQ Page Reference
<b>SCC and DPOR registration documentation (Appendix)</b>	Attachment 3.2.10	Section 3.2.10	no	Appendix 3.2.10
Full size copies of SCC Registration	NA	Section 3.2.10.1	no	Appendix 3.2.10
Full size copies of DPOR Registration (Offices)	NA	Section 3.2.10.2	no	Appendix 3.2.10
Full size copies of DPOR Registration (Key Personnel)	NA	Section 3.2.10.3	no	Appendix 3.2.10
Full size copies of DPOR Registration (Non-APELSCIDLA)	NA	Section 3.2.10.4	no	Appendix 3.2.10
<b>DBE statement within Letter of Submittal</b> confirming Offeror is committed to achieving the required DBE goal	NA	Section 3.2.11	yes	2
<b>Offeror's Team Structure</b>				
Identity of and qualifications of Key Personnel	NA	Section 3.3.1	yes	5-7
Key Personnel Resume – DB Project Manager	Attachment 3.3.1	Section 3.3.1.1	no	Appendix 3.3.1
Key Personnel Resume – Quality Assurance Manager	Attachment 3.3.1	Section 3.3.1.2	no	Appendix 3.3.1
Key Personnel Resume – Design Manager	Attachment 3.3.1	Section 3.3.1.3	no	Appendix 3.3.1
Key Personnel Resume – Construction Manager	Attachment 3.3.1	Section 3.3.1.4	no	Appendix 3.3.1
<del>Key Personnel Resume – Utility Coordination Manager</del>	<del>Attachment 3.3.1</del>	<del>Section 3.3.1.5</del>	<del>no</del>	
<del>Key Personnel Resume – Right of Way Manager</del>	<del>Attachment 3.3.1</del>	<del>Section 3.3.1.6</del>	<del>no</del>	
<del>Key Personnel Resume – Lead Roadway Engineer</del>	<del>Attachment 3.3.1</del>	<del>Section 3.3.1.7</del>	<del>no</del>	

ATTACHMENT 3.1.2

Project: 0250-002-956

STATEMENT OF QUALIFICATIONS CHECKLIST AND CONTENTS

Statement of Qualifications Component	Form (if any)	RFQ Cross reference	Included within 15-page limit?	SOQ Page Reference
Organizational chart	NA	Section 3.3.2	yes	9
Organizational chart narrative	NA	Section 3.3.2	yes	7-8
<b>Experience of Offeror's Team</b>				
Lead Contractor Work History Form	Attachment 3.4.1(a)	Section 3.4	no	Appendix 3.4.1
Lead Designer Work History Form	Attachment 3.4.1(b)	Section 3.4	no	Appendix 3.4.1
<b>Project Risk</b>				
Identify and discuss three critical risks for the Project	NA	Section 3.5.1	yes	11



ATTACHMENT 3.2.7(a)

CERTIFICATION REGARDING DEBARMENT  
PRIMARY COVERED TRANSACTIONS

**Project No.: 0250-002-956**

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.

  
Signature

8/15/18  
Date

PRESIDENT  
Title

FIELDER'S CHOICE ENTERPRISES (FCE), INC.  
Name of Firm

ATTACHMENT 3.2.7(b)

CERTIFICATION REGARDING DEBARMENT  
LOWER TIER COVERED TRANSACTIONS

**Project No.: 0081-086-818; 0081-086-742**

- 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

August 15, 2018  
\_\_\_\_\_  
Date

Senior Vice President  
\_\_\_\_\_  
Title

Louis Berger U.S., Inc.  
\_\_\_\_\_  
Name of Firm

ATTACHMENT 3.2.7(b)

CERTIFICATION REGARDING DEBARMENT  
LOWER TIER COVERED TRANSACTIONS

**Project No.: 0250-002-956**

- 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

August 13, 2018  
\_\_\_\_\_  
Date

President and CEO  
\_\_\_\_\_  
Title

PRIME AE Group, Inc.  
\_\_\_\_\_  
Name of Firm

ATTACHMENT 3.2.7(b)

CERTIFICATION REGARDING DEBARMENT  
LOWER TIER COVERED TRANSACTIONS

Project No.: 0250-002-956

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\_\_\_\_\_  
Signature

8/3/2018  
\_\_\_\_\_  
Date

President  
\_\_\_\_\_  
Title

CES CONSULTING LLC  
\_\_\_\_\_  
Name of Firm

ATTACHMENT 3.2.7(b)

CERTIFICATION REGARDING DEBARMENT  
LOWER TIER COVERED TRANSACTIONS

**Project No.: 0250-002-956**

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

  
\_\_\_\_\_  
Signature

August 17, 2018  
\_\_\_\_\_  
Date

Branch Manager  
\_\_\_\_\_  
Title

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

ATTACHMENT 3.2.7(b)

CERTIFICATION REGARDING DEBARMENT  
LOWER TIER COVERED TRANSACTIONS

**Project No.: 0250-002-956**

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

Stephen J. Zott  
Signature

August 10, 2018  
Date

President, Chief Operating Officer  
Title

O. R. Colan Associates, LLC  
Name of Firm

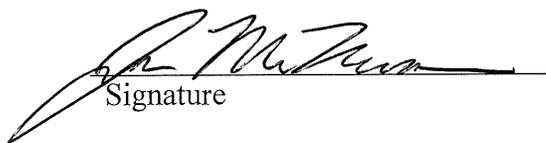
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LOWER TIER COVERED TRANSACTIONS

**Project No.: 0250-002-956**

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Signature

08-15-18  
Date

Area Manager  
Title

Safety United Enterprises  
Name of Firm

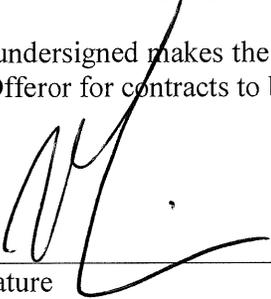
ATTACHMENT 3.2.7(b)

CERTIFICATION REGARDING DEBARMENT  
LOWER TIER COVERED TRANSACTIONS

**Project No.: 0250-002-956**

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	8.14.18	President
Signature	Date	Title

Seventh Point

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

**ATTACHMENT 3.2.7(b)**

**CERTIFICATION REGARDING DEBARMENT  
LOWER TIER COVERED TRANSACTIONS**

**Project No.: 0250-002-956**

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- 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

08/10/2018

Date

Project Manager

Title

Surveying and Mapping, LLC

Name of Firm

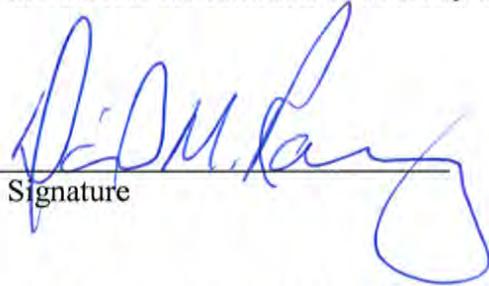
**ATTACHMENT 3.2.7(b)**

**CERTIFICATION REGARDING DEBARMENT**  
**LOWER TIER COVERED TRANSACTIONS**

**Project No.: 0250-002-956**

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- 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

August 10, 2018

Date

Senior Principal

Title

Stantec Consulting Services Inc.

Name of Firm



Virginia Department of Transportation

## Department's List of Prequalified Vendors Includes All Qualified Levels As

**Vendor ID:**

F451

**Vendor Name:**

FIELDER'S CHOICE ENTERPRISES, INC.

**Prequal Exp:** 05/31/2019

**Prequal Level:** Prequalified

**Work Classes (Listed But Not Limited To)**

002 - GRADING

003 - MAJOR STRUCTURES

007 - MINOR STRUCTURES

045 - UNDERGROUND UTILITIES

**PREQ Address**

158 INDUSTRIAL WAY, SUITE 203  
TROY, VA 22974

**Bus. Contact:**

Phone: (434)244-0250

Fax: (434)977-3783

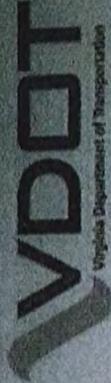
HOLCOMB, JAMES MATTHEW

**Email:**

ESTIMATING@FCE-DIGS.COM



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, your firm is hereby notified that the following Rating has been assigned to your firm:

**PREQUALIFIED**

Your firm specializes in the noted Classification(s):

**GRADING; MAJOR STRUCTURES; MINOR STRUCTURES; UNDERGROUND UTILITIES**

Issue Date: May 31, 2017

This Rating and Classification will Expire: May 31, 2018

*Suzanne FR Lucas*

Suzanne FR Lucas, State Prequalification Officer

*Don E. Silles*

Don E. Silles, Director of Contracts

It is not permissible to alter this document, use after posted expiration date, or use by persons or firms other than those named on this certificate.

*Please note:  
Updated VDOT  
Certificate of  
Qualification  
Request  
was requested  
May 2018*

August 14, 2018

Mr. Bryan W. Stevenson, P.E.  
Alternative Project Delivery Division  
Virginia Department of Transportation  
1401 East Broad Street  
Richmond, VA 23219

Re: Fielder's Choice Enterprises, Inc. – Design-Build RFQ  
Albemarle Intersection Bundling, Albemarle County, VA  
Contract ID Number: C00111814DB103  
UPC (State Project Nos.; Federal Project Nos.):  
UPC 111814 (0250-002-956, P101, R201, C501; NHPP-002-7(051));  
UPC 111727 (0029-002-959, P101, C501; HSIP-5104(269));  
UPC 111813 (0029-002-955, P101, R201, C501; NHPP-002-7(050));  
UPC 111730 (0250-002-954, P101, R201, C501; HSIP-002-7(049));  
UPC 111733 (0020-002-953, P101, R201, C501; STP-5104(267));  
UPC 109397 (9999-002-941, P101, R201, C501)

Dear Mr. Stevenson:

The Hartford, through its operating entities, has issued surety bonds to Fielder's Choice Enterprises, Inc. since 2016. During this time we have favorably considered projects up to \$25,000,000 with an aggregate program of \$60,000,000. Our experience with Fielder's Choice Enterprises, Inc. has been excellent, and we highly recommend them to you.

As surety for Fielder's Choice Enterprises, Inc., The Hartford, is capable of obtaining 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 as provided for in the Contract Documents on behalf of the Contractor, in the event that such firm be the successful bidder and enter into a contract for this project, subject to acceptable review of the contract documents and bond forms,



financing, availability of reinsurance, and Fielder's Choice Enterprises, Inc. continuing to satisfy other underwriting considerations at the time the bonds are requested.

Please understand that any arrangement for any bonds is a matter between Fielder's Choice Enterprises, Inc. and The Hartford and we assume no liability to third parties or you if, for any reason, we do not issue requested bonds.

Fielder's Choice Enterprises, Inc. bonds are issued through Hartford Fire Insurance Company which is listed on the U.S. Treasury Department List and has an A.M. Best Rating of "A+" with Financial Size Category: XV (\$2 Billion or greater). They are licensed to do business in the Commonwealth of Virginia.

This letter will expire one hundred and eighty (180) days from the above date.

Very Truly Yours,

A handwritten signature in black ink, appearing to read "William D. Taylor". The signature is fluid and cursive, with a large initial "W" and "T".

William D. Taylor  
Regional Director  
The Hartford

**ATTACHMENT 3.2.10**

**State Project No. 0250-002-956**

**SCC and DPOR Information**

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

SCC & DPOR INFORMATION FOR BUSINESSES (RFQ Sections 3.2.10.1 and 3.2.10.2)							
Business Name	SCC Information (3.2.10.1)			DPOR Information (3.2.10.2)			
	SCC Number	SCC Type of Corporation	SCC Status	DPOR Registered Address	DPOR Registration Type	DPOR Registration Number	DPOR Expiration Date
Fielder's Choice Enterprises (FCE), Inc.	03067113	Corporation	Active	158 Industrial Way Suite 203 Troy, VA 22974	Class A Contractor: Specialties – H/H, EMC, ISC, CBC, RBC	2705062623	06-30-2019
Louis Berger U.S., Inc.	F1131780	Foreign Corporation	Active	Boulders III 1100 Boulders Pkwy Suite 720 Richmond, VA 23225	ENG (Branch)	0411001319	02-29-2020
Louis Berger U.S., Inc.	F1131780	Foreign Corporation	Active	1001 Wade Avenue Suite 400 Raleigh, NC 27605	ENG (Branch)	0411001316	02-29-2020
Louis Berger U.S., Inc.	F1131780	Foreign Corporation	Active	1250 23 <sup>rd</sup> St NW Washington, DC 20037	ENG (Branch)	0411001317	02-29-2020
PRIME AE Group, Inc.	F1812371	Foreign Corporation	Active	3975 Fair Ridge Dr Suite 455N Fairfax, VA 22030	ENG	0411001187	02-29-2020
PRIME AE Group, Inc.	F1812371	Foreign Corporation	Active	5521 Research Park Dr / Suite 300 Baltimore, MD 21228	ENG, ARC	0407005609	12-31-2019

## ATTACHMENT 3.2.10

### State Project No. 0250-002-956

#### SCC and DPOR Information

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

CES Consulting, LLC	S341600-7	Limited Liability Company	Active	23475 Rock Haven Way / Suite 255 Dulles, VA 20166	ENG	0407005783	12-31-2019
Froehling & Robertson, Inc.	00272112	Corporation	Active	6185 Rockfish Gap Tpke Crozet, VA 22932	ENG	0411001433	02-29-2020
O.R. Colan Associates, LLC	T0653610	Foreign Limited Liability Company	Active	N/A	N/A	N/A	N/A
Safety United Enterprises, LLC	S7248679	Limited Liability Company	Active	N/A	N/A	N/A	N/A
Seventh Point, Inc.	02675411	Corporation	Active	N/A	N/A	N/A	N/A
Surveying and Mapping, LLC	T0564965	Foreign Limited Liability Company	Active	4801 Southwest Parkway / Bldg 2 Suite 100 Austin, TX 78735	ENG, LS	0407006626	12-31-2019
Stantec Consulting Services, Inc.	F149319-8	Foreign Corporation	Active	1011 Boulder Springs Dr Suite 225 Richmond, VA 23225	ENG	0411001086	02-29-2020

**ATTACHMENT 3.2.10**

**State Project No. 0250-002-956**

**SCC and DPOR Information**

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

DPOR INFORMATION FOR INDIVIDUALS (RFQ Sections 3.2.10.3 and 3.2.10.4)						
Business Name	Individual's Name	Office Location Where Professional Services will be Provided (City/State)	Individual's DPOR Address	DPOR Type	DPOR Registration Number	DPOR Expiration Date
Fielder's Choice Enterprises (FCE), Inc.	Michael T. Russo, PE	Troy, VA	780 Justin Dr; Palmyra, VA 22963	Professional Engineer	0402056545	06-30-2019
Fielder's Choice Enterprises (FCE), Inc.	Timothy A. Wade, RLD, ESCCC	Troy, VA	N/A	N/A	N/A	N/A
Louis Berger U.S., Inc.	Craig A. Ponte, PE	Richmond, VA	513 Ridge Top Rd; Richmond, VA 23229	Professional Engineer	0402043185	01-31-2019
CES Consulting, LLC	Avtar Singh, PE	Dulles, VA	6773 Leopolds Trail; Haymarket, VA 20169	Professional Engineer	0402035169	01-31-2019

# 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:  
February 20, 2018*

*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 foregoing is a true copy of the application for an amended certificate of authority to transact business in Virginia filed in the Clerk's Office of the Commission by Louis Berger U.S., Inc., a New York corporation.

Nothing more is hereby certified.



*Signed and Sealed at Richmond on this Date:  
May 13, 2016*

*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 PRIME AE GROUP, INC., a corporation incorporated under the law of Maryland, is authorized to transact business in the Commonwealth of Virginia;

That it obtained a certificate of authority to transact business in Virginia from the Commission on January 11, 2010; and

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

Nothing more is hereby certified.



*Signed and Sealed at Richmond on this Date:*

*September 6, 2017*

*Joel H. Peck*

*Joel H. Peck, Clerk of the Commission*

# Commonwealth of Virginia



## STATE CORPORATION COMMISSION

*Richmond, October 14, 2010*

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

**Construction Engineering & Scheduling Consulting  
Engineers, PLC**

*was this day issued and admitted to record in this office and that the said limited liability company is authorized to transact its business subject to all Virginia laws applicable to the company and its business. Effective date: October 14, 2010*



*State Corporation Commission*

*Attest:*

*Joel H. Peck*  
Clerk of the Commission



COMMONWEALTH OF VIRGINIA  
STATE CORPORATION COMMISSION

LLC-1018.1  
(04/10)

STATEMENT OF CHANGE OF THE PRINCIPAL OFFICE ADDRESS  
OF A LIMITED LIABILITY COMPANY

1. Limited Liability Company's Name:

SCC ID #: S341600-7

**CES CONSULTING, LLC**

2. Current principal office address on record:

**13991 VIRGINIA CEDAR COURT  
GAINESVILLE, VA 20155**

3. The limited liability company's principal office address, including the street and number, is changed to:

**23475 ROCK HAVEN WAY  
SUITE 255  
DULLES, VA 20166**

Executed in the name of the limited liability company by:

Signed on October 18, 2016, on behalf of CES Consulting, LLC

By: Avtar Singh, Member

/s/ Avtar Singh

The statement must be executed in the name of the limited liability company by any manager or other person who has been delegated the right and power to manage the business and affairs of the limited liability company, or if no manager or such other person has been selected, by any member of the limited liability company.

COMMONWEALTH OF VIRGINIA  
STATE CORPORATION COMMISSION

AT RICHMOND, OCTOBER 26, 2010

The State Corporation Commission has found the accompanying articles submitted on behalf of

CES Consulting, LLC  
(formerly known as Construction Engineering & Scheduling Consulting  
Engineers, PLC)

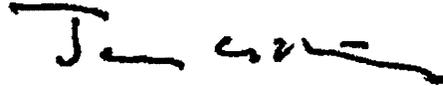
to comply with the requirements of law, and confirms payment of all required fees. Therefore, it  
is ORDERED that this

CERTIFICATE OF AMENDMENT

be issued and admitted to record with the articles of amendment in the Office of the Clerk of the  
Commission, effective October 26, 2010.

STATE CORPORATION COMMISSION

By



James C. Dimitri  
Commissioner

10-10-26-1101  
LLAACPT  
CIS0368



COMMONWEALTH OF VIRGINIA  
STATE CORPORATION COMMISSION

LLC-1014N  
(04/10)

ARTICLES OF AMENDMENT  
CHANGING THE NAME OF A VIRGINIA LIMITED LIABILITY COMPANY  
By the Members

The undersigned, on behalf of the limited liability company set forth below, pursuant to § 13.1-1014 of the Code of Virginia, states as follows:

1. The current name of the limited liability company, as it appears on the records of the State Corporation Commission, is

Construction Engineering & Scheduling Consulting Engineers, PLC

2. The name of the limited liability company is changed to

CES Consulting, LLC

The LLC is now a general business LLC

(The name must contain the words limited company or limited liability company or the abbreviation L.C., LC, L.L.C., or LLC)

3. (See "Approval" Instructions for requisite vote.) The foregoing amendment was adopted by a vote of the members in accordance with the provisions of the Virginia Limited Liability Company Act on 10/25/2010.

(date)

Executed in the name of the limited liability company by:

  
(signature)

Avtar Singh

(printed name)

S341600-7

(limited liability company's SCC ID no. (optional))

10/25/2010

(date)

Member

(title (e.g., manager or member))

(571) 722-9824

(telephone number (optional))

CHECK IF APPLICABLE (see instructions):

The person signing this document on behalf of the limited liability company has been delegated the right and power to manage the company's business and affairs.

*(The articles must be executed in the name of the limited liability company by any manager or other person who has been delegated the right and power to manage the business and affairs of the limited liability company, or if no managers or such other person has been selected, by any member of the limited liability company.)*

**PRIVACY ADVISORY:** Information such as social security number, date of birth, maiden name, or financial institution account numbers is NOT required to be included in business entity documents filed with the Office of the Clerk of the Commission. Any information provided on these documents is subject to public viewing.

SEE INSTRUCTIONS ON THE REVERSE

# Commonwealth OF Virginia



## State Corporation Commission

### *CERTIFICATE OF GOOD STANDING*

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

That FROEHLING & ROBERTSON, INCORPORATED is duly incorporated under the law of the Commonwealth of Virginia;

That the date of its incorporation is October 11, 1924;

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:*

*March 30, 2018*

*Joel H. Peck*

*Joel H. Peck, Clerk of the Commission*

# Commonwealth OF Virginia



## State Corporation Commission

### *CERTIFICATE OF FACT*

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

That O.R. COLAN ASSOCIATES, LLC, a limited liability company organized under the law of Florida, obtained a certificate of registration to transact business in Virginia from the Commission on May 9, 2016; and

That it is registered to transact business 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:*

*June 3, 2016*

*Joel H. Peck*

*Joel H. Peck, Clerk of the Commission*

# Commonwealth of Virginia



## STATE CORPORATION COMMISSION

*Richmond, January 10, 2018*

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

**Safety United Enterprises LLC**

*was this day issued and admitted to record in this office and that the said limited liability company is authorized to transact its business subject to all Virginia laws applicable to the company and its business. Effective date: January 10, 2018*



*State Corporation Commission*

*Attest:*

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

# Commonwealth of Virginia



## STATE CORPORATION COMMISSION

*Richmond,* March 4, 1935

*This is to Certify that the certificate of incorporation of*  
HAMBRIGHT, CALCAGNO & DOWNING, 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.*



*State Corporation Commission*

*George W. Bennett,*  
Clerk of the Commission

**ARTICLES OF AMENDMENT  
FOR THE ARTICLES OF INCORPORATION OF  
HAMBRIGHT, CALCAGNO & DOWNING, INC.**

**I.**

The name of the corporation is Hambright, Calcagno & Downing, Inc.

**II.**

The Amendment adopted is to change Article I of the Articles of Incorporation to change the corporation's name such that Article I, as amended, will read that: The name of the corporation is Seventh Point, Inc.

**III.**

The foregoing amendment was adopted on January 24, 2008.

**IV.**

The amendment was adopted by the unanimous consent of the shareholders and directors.

**V.**

This Certificate of Amendment shall become effective at the time such Certificate is issued by the State Corporation Commission.

The undersigned President declares that the facts herein stated are true as of the 24th day of January, 2008.

HAMBRIGHT, CALCAGNO & DOWNING, INC.

By: \_\_\_\_\_

Christopher A. Calcagno, President

COMMONWEALTH OF VIRGINIA  
STATE CORPORATION COMMISSION

AT RICHMOND, FEBRUARY 1, 2008

The State Corporation Commission has found the accompanying articles submitted on behalf of  
Seventh Point, Inc. (formerly HAMBRIGHT, CALCAGNO & DOWNING,  
INC. )

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

CERTIFICATE OF AMENDMENT

be issued and admitted to record with the articles of amendment in the Office of the Clerk of the  
Commission, effective February 1, 2008.

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

STATE CORPORATION COMMISSION

By



Commissioner

08-01-28-0084  
AMENACPT  
CIS0436

# Commonwealth of Virginia



## STATE CORPORATION COMMISSION

*Richmond, March 21, 2014*

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

**Surveying And Mapping, LLC**

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



*State Corporation Commission*

*Attest:*

*Joel H. Beck*  
Clerk of the Commission

# Commonwealth of Virginia



## State Corporation Commission

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

The foregoing is a true copy of an application for an amended certificate of authority to transact business in Virginia filed in this office by Stantec Consulting Services Inc.

Nothing more is hereby certified.



*Signed and Sealed at Richmond on this Date:  
April 19, 2005*

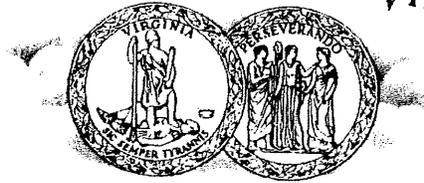
*Joel H. Peck*  
\_\_\_\_\_  
*Joel H. Peck, Clerk of the Commission*

# COMMONWEALTH OF VIRGINIA

CLINTON MILLER  
CHAIRMAN

MARK C. CHRISTIE  
COMMISSIONER

THEODORE V. MORRISON, JR.  
COMMISSIONER



JOEL H. PECK  
CLERK OF THE COMMISSION  
P.O. BOX 1197  
RICHMOND, VIRGINIA 23218-1197

## STATE CORPORATION COMMISSION Office of the Clerk

April 15, 2005

BETH EPSTEIN  
UCC RETRIEVALS  
HOLD  
DO NOT MAIL

RE: Stantec Consulting Services Inc.  
ID: F149319 - 8  
DCN: 05-04-13-0109

Dear Customer:

This is your receipt for \$25.00, covering the fees for filing a duly authenticated copy of articles of merger with this office.

The document was filed on April 15, 2005.

Each non-surviving entity:

Stantec Consulting Services Inc.

is merged into Stantec Consulting Services Inc. (formerly STANTEC CONSULTING GROUP INC.).

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

Sincerely,

Joel H. Peck  
Clerk of the Commission

MERGRcpt  
MERGRcpt  
CIS0375



SCC760/922  
(10/01)

COMMONWEALTH OF VIRGINIA  
STATE CORPORATION COMMISSION

APPLICATION FOR AN AMENDED CERTIFICATE  
OF AUTHORITY TO TRANSACT BUSINESS IN VIRGINIA

This application of a foreign corporation authorized to transact business in Virginia for an amended certificate of authority sets forth:

The former name of the corporation was STANTEC CONSULTING GROUP INC.

The present name of the corporation is STANTEC CONSULTING SERVICES INC.

If the corporation is a stock corporation and the present name of the corporation does not contain the word "corporation," "company," "incorporated" or "limited," or an abbreviation of one of such words, or if the corporation's present name is not available for use in Virginia, the name of the corporation with the word or abbreviation which it has elected to add thereto for use in Virginia, or the name designated by the corporation for use in Virginia, is

The name of the state or country under whose law the corporation is presently incorporated is New York.

The name of the state or country under whose law the corporation was formerly incorporated (if changed by the enclosed amendment) is \_\_\_\_\_.

The undersigned chairman or vice-chairman of the board of directors, president, or any other of its officers authorized to act on behalf of the corporation, declares that the facts herein stated are true as of March 29/05.

STANTEC CONSULTING SERVICES INC.

(Present name of corporation)

By: Michael Slocombe  
(Signature)

Michael J. Slocombe, Secretary  
(Printed name and corporate title)

See instructions on the reverse.

COMMONWEALTH of VIRGINIA

Department of Professional and Occupational Regulation

9960 Mayland Drive, Suite 400, Richmond, VA 23233

Telephone: (804) 367-8500

EXPIRES ON

06-30-2019

NUMBER

2705062623

BOARD FOR CONTRACTORS  
CLASS A CONTRACTOR  
\*CLASSIFICATIONS\* CBC EMC H/H ISC RBC



FIELDERS CHOICE ENTERPRISES INC  
158 INDUSTRIAL WAY  
SUITE 203  
TROY, VA 22974



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

Status can be verified at <http://www.dpor.virginia.gov>

(SEE REVERSE SIDE FOR PRIVILEGES AND INSTRUCTIONS)

DPOR-LIC (02/2017)

(DETACH HERE)



CLASS A BOARD FOR CONTRACTORS  
CONTRACTOR

\*CLASSIFICATIONS\* CBC EMC H/H ISC RBC  
NUMBER: 2705062623 EXPIRES: 06-30-2019

FIELDERS CHOICE ENTERPRISES INC  
158 INDUSTRIAL WAY  
SUITE 203  
TROY, VA 22974



(FOLD)

Status can be verified at <http://www.dpor.virginia.gov>

DPOR-PC (02/2017)

COMMONWEALTH of VIRGINIA

Department of Professional and Occupational Regulation

9960 Mayland Drive, Suite 400, Richmond, VA 23233

Telephone: (804) 367-8500

EXPIRES ON  
02-29-2020

NUMBER  
0411001319

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

PROFESSIONS: ENG



LOUIS BERGER US INC  
BOULDERS III  
1100 BOULDERS PKWY STE 720  
RICHMOND, VA 23225



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

Status can be verified at <http://www.dpor.virginia.gov>

(SEE REVERSE SIDE FOR PRIVILEGES AND INSTRUCTIONS)

DPOR-LIC (02/2017)  
(DETACH HERE)

**DPOR** COMMONWEALTH of VIRGINIA  
Department of Professional and Occupational Regulation

BOARD FOR AP/LS/CID/LA  
BUSINESS ENTITY BRANCH OFFICE REGISTRATION  
NUMBER: 0411001319 EXPIRES: 02-29-2020  
PROFESSIONS: ENG  
LOUIS BERGER US INC  
BOULDERS III  
1100 BOULDERS PKWY STE 720  
RICHMOND, VA 23225



(FOLD)

Status can be verified at <http://www.dpor.virginia.gov>

DPOR-PC (02/2017)

COMMONWEALTH of VIRGINIA

Department of Professional and Occupational Regulation

9960 Mayland Drive, Suite 400, Richmond, VA 23233

Telephone: (804) 367-8500

EXPIRES ON

02-29-2020

NUMBER

0411001316

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

PROFESSIONS: ENG



LOUIS BERGER US INC  
1001 WADE AVE STE 400  
RALEIGH, NC 27605



Status can be verified at <http://www.dpor.virginia.gov>

*John W. DeBorja*  
John W. DeBorja, Director

(SEE REVERSE SIDE FOR PRIVILEGES AND INSTRUCTIONS)

DPOR-LIC (02/2017)  
(DETACH HERE)

**DPOR** COMMONWEALTH of VIRGINIA  
Department of Professional and Occupational Regulation

BOARD FOR APPLSCIDLA  
BUSINESS ENTITY BRANCH OFFICE REGISTRATION  
NUMBER: 0411001316 EXPIRES: 02-29-2020  
PROFESSIONS: ENG  
LOUIS BERGER US INC  
1001 WADE AVE STE 400  
RALEIGH, NC 27605



(FOLD)

Status can be verified at <http://www.dpor.virginia.gov>

DPOR-PC (02/2017)

COMMONWEALTH of VIRGINIA

Department of Professional and Occupational Regulation

9960 Mayland Drive, Suite 400, Richmond, VA 23233

Telephone: (804) 367-8500

EXPIRES ON

02-29-2020

NUMBER

0411001317

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

PROFESSIONS: ENG



LOUIS BERGER US INC  
1250 23RD ST NW  
WASHINGTON, DC 20037



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

Status can be verified at <http://www.dpor.virginia.gov>

(SEE REVERSE SIDE FOR PRIVILEGES AND INSTRUCTIONS)

DPOR-LIC (02/2017)

(DETACH HERE)



COMMONWEALTH of VIRGINIA  
Department of Professional and Occupational Regulation

BOARD FOR AP/ELSCIDLA  
BUSINESS ENTITY BRANCH OFFICE REGISTRATION  
NUMBER: 0411001317 EXPIRES: 02-29-2020  
PROFESSIONS: ENG  
LOUIS BERGER US INC  
1250 23RD ST NW  
WASHINGTON, DC 20037



(FOLD)

Status can be verified at <http://www.dpor.virginia.gov>

DPOR-PC (02/2017)

COMMONWEALTH of VIRGINIA

Department of Professional and Occupational Regulation  
9960 Mayland Drive, Suite 400, Richmond, VA 23233  
Telephone: (804) 367-8500

EXPIRES ON

02-29-2020

NUMBER

0411001187

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

PROFESSIONS: ENG



PRIME AE GROUP INC  
3975 FAIR RIDGE DR STE 455N  
FAIRFAX, VA 22030

Status can be verified at <http://www.dpor.virginia.gov>

(SEE REVERSE SIDE FOR PRIVILEGES AND INSTRUCTIONS)



BOARD FOR APPELSCIDLA  
BUSINESS ENTITY BRANCH OFFICE REGISTRATION  
NUMBER: 0411001187 EXPIRES: 02-29-2020  
PROFESSIONS: ENG  
PRIME AE GROUP INC  
3975 FAIR RIDGE DR STE 455N  
FAIRFAX, VA 22030



(FOLD)

*Angela W. DeBore*  
ANGELA W. DEBORE, Director

DPOR-LIC (02/2017)

(DETACH HERE)

DPOR-PC (02/2017)

Status can be verified at <http://www.dpor.virginia.gov>

COMMONWEALTH of VIRGINIA

Department of Professional and Occupational Regulation  
9960 Mayland Drive, Suite 400, Richmond, VA 23233  
Telephone: (804) 367-8500

EXPIRES ON  
12-31-2019

NUMBER  
0407005609

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

PROFESSIONS: ENG, ARC



PRIME AE GROUP INC  
PEI ENGINEERS, INC  
5521 RESEARCH PARK DR STE 300  
BALTIMORE, MD 21228



*Jay W. DeBore*  
Jay W. DeBore, Director

Status can be verified at <http://www.dpor.virginia.gov>

(SEE REVERSE SIDE FOR PRIVILEGES AND INSTRUCTIONS)



COMMONWEALTH of VIRGINIA  
Department of Professional and Occupational Regulation  
BOARD FOR APELSC/DLA  
BUSINESS ENTITY REGISTRATION  
NUMBER: 0407005609 EXPIRES: 12-31-2019  
PROFESSIONS: ENG, ARC  
PRIME AE GROUP INC  
PEI ENGINEERS, INC  
5521 RESEARCH PARK DR STE 300  
BALTIMORE, MD 21228



DPOR-LIC (05/2015)  
(DETACH HERE)

DPOR-PC (05/2015)

Status can be verified at <http://www.dpor.virginia.gov>

COMMONWEALTH of VIRGINIA

Department of Professional and Occupational Regulation  
9960 Mayland Drive, Suite 400, Richmond, VA 23233  
Telephone: (804) 367-8500

EXPIRES ON  
12-31-2019

NUMBER  
0407005783

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

PROFESSIONS: ENG



CES CONSULTING LLC  
23475 ROCK HAVEN WAY  
SUITE 255  
DULLES, VA 20166



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

Status can be verified at <http://www.dpor.virginia.gov>

(SEE REVERSE SIDE FOR PRIVILEGES AND INSTRUCTIONS)

DPOR-LIC (02/2017)  
(DETACH HERE)

COMMONWEALTH of VIRGINIA  
Department of Professional and Occupational Regulation

BOARD FOR APESCIDLA  
BUSINESS ENTITY REGISTRATION  
NUMBER: 0407005783 EXPIRES: 12-31-2019  
PROFESSIONS: ENG  
CES CONSULTING LLC  
23475 ROCK HAVEN WAY  
SUITE 255  
DULLES, VA 20166



(FOLD)

Status can be verified at <http://www.dpor.virginia.gov>

DPOR-PC (02/2017)

COMMONWEALTH of VIRGINIA

Department of Professional and Occupational Regulation

9960 Mayland Drive, Suite 400, Richmond, VA 23233

Telephone: (804) 367-8500

EXPIRES ON

02-29-2020

NUMBER

0411001433

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

PROFESSIONS: ENG



FROEHLING & ROBERTSON, INC  
6185 ROCKFISH GAP TPKE  
CROZET, VA 22932



Status can be verified at <http://www.dpor.virginia.gov>

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

(SEE REVERSE SIDE FOR PRIVILEGES AND INSTRUCTIONS)

DPOR-LIC (02/2017)

(DETACH HERE)



COMMONWEALTH of VIRGINIA  
Department of Professional and Occupational Regulation

BOARD FOR APESCIDLA  
BUSINESS ENTITY BRANCH OFFICE REGISTRATION  
NUMBER: 0411001433 EXPIRES: 02-29-2020  
PROFESSIONS: ENG  
FROEHLING & ROBERTSON, INC  
6185 ROCKFISH GAP TPKE  
CROZET, VA 22932



(FOLD)

Status can be verified at <http://www.dpor.virginia.gov>

DPOR-PC (02/2017)

**COMMONWEALTH of VIRGINIA**

Department of Professional and Occupational Regulation  
9960 Mayland Drive, Suite 400, Richmond, VA 23233

Telephone: (804) 367-8500

EXPIRES ON  
12-31-2019

NUMBER  
0407006626

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

PROFESSIONS: ENG, LS



SURVEYING AND MAPPING LLC  
4801 SOUTHWEST PARKWAY  
BLDG 2, STE 100  
AUSTIN, TX 78735



*Jay W. DeBovi*  
Jay W. DeBovi, Director

Status can be verified at <http://www.dpor.virginia.gov>

(SEE REVERSE SIDE FOR PRIVILEGES AND INSTRUCTIONS)



BOARD FOR APELSCIDLA  
BUSINESS ENTITY REGISTRATION  
NUMBER: 0407006626 EXPIRES: 12-31-2019  
PROFESSIONS: ENG, LS  
SURVEYING AND MAPPING LLC  
4801 SOUTHWEST PARKWAY  
BLDG 2, STE 100  
AUSTIN, TX 78735



(FOLD)

Status can be verified at <http://www.dpor.virginia.gov>

DPOR-LIC (02/2017)  
(DETACH HERE)

DPOR-PC (02/2017)

COMMONWEALTH of VIRGINIA

Department of Professional and Occupational Regulation

9960 Mayland Drive, Suite 400, Richmond, VA 23233

Telephone: (804) 367-8500

EXPIRES ON

02-29-2020

NUMBER

0411001086

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

PROFESSIONS: ENG



STANTEC CONSULTING SERVICES INC  
1011 BOULDER SPRINGS DR  
STE 225  
RICHMOND, VA 23225



Status can be verified at <http://www.dpor.virginia.gov>

*John W. DeBorja*  
John W. DeBorja, Director

(SEE REVERSE SIDE FOR PRIVILEGES AND INSTRUCTIONS)

DPOR-LIC (02/2017)  
(DETACH HERE)



COMMONWEALTH of VIRGINIA  
Department of Professional and Occupational Regulation

BOARD FOR APELSCIDLA  
BUSINESS ENTITY BRANCH OFFICE REGISTRATION  
NUMBER: 0411001086 EXPIRES: 02-29-2020  
PROFESSIONS: ENG  
STANTEC CONSULTING SERVICES INC  
1011 BOULDER SPRINGS DR  
STE 225  
RICHMOND, VA 23225



(FOLD)

Status can be verified at <http://www.dpor.virginia.gov>

DPOR-PC (02/2017)

COMMONWEALTH of VIRGINIA

Department of Professional and Occupational Regulation  
9960 Mayland Drive, Suite 400, Richmond, VA 23233  
Telephone: (804) 367-8500

EXPIRES ON  
06-30-2019

NUMBER  
0402056545

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



MICHAEL THOMAS RUSSO  
780 JUSTIN DR  
PALMYRA, VA 22963



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

Status can be verified at <http://www.dpor.virginia.gov>

(SEE REVERSE SIDE FOR PRIVILEGES AND INSTRUCTIONS)

DPOR-LIC (02/2017)

COMMONWEALTH of VIRGINIA

Department of Professional and Occupational Regulation  
9960 Mayland Drive, Suite 400, Richmond, VA 23233  
Telephone: (804) 367-8500

EXPIRES ON  
01-31-2019

NUMBER  
0402035169

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



AVTAR SINGH  
6773 LEOPOLDS TRAIL  
HAYMARKET, VA 20169



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

Status can be verified at <http://www.dpor.virginia.gov>

(SEE REVERSE SIDE FOR PRIVILEGES AND INSTRUCTIONS)

DPOR-LIC (05/2015)  
(DETACH HERE)



COMMONWEALTH of VIRGINIA  
Department of Professional and Occupational Regulation  
BOARD FOR APELSCIDLA  
PROFESSIONAL ENGINEER LICENSE  
NUMBER: 0402035169 EXPIRES: 01-31-2019

AVTAR SINGH  
6773 LEOPOLDS TRAIL  
HAYMARKET, VA 20169



(FOLD)

Status can be verified at <http://www.dpor.virginia.gov>

DPOR-PC (05/2015)

**COMMONWEALTH of VIRGINIA**

Department of Professional and Occupational Regulation  
9960 Mayland Drive, Suite 400, Richmond, VA 23233  
Telephone: (804) 367-8500

EXPIRES ON  
**01-31-2019**

NUMBER  
**0402043185**

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



**CRAIG ANTHONY PONTE  
513 RIDGE TOP ROAD  
RICHMOND, VA 23229**



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

Status can be verified at <http://www.dpor.virginia.gov>

(SEE REVERSE SIDE FOR PRIVILEGES AND INSTRUCTIONS)

DPOR-LIC (05/2015)

**ATTACHMENT 3.3.1**

**KEY PERSONNEL RESUME FORM**

<b>Brief Resume of Key Personnel anticipated for the Project.</b>
a. Name & Title: <b>Michael T. Russo, Senior Project Manager</b>
b. Project Assignment: <b>Design-Build Project Manager (DBPM)</b>
c. Name of all Firms with which you are employed at the time of submitting SOQ. In addition, please denote the type of employment (Full time/Part Time): <b>Fielder's Choice Enterprises, Inc. – Full time</b>
d. Employment History: With this Firm <b>3 Months</b> With Other Firms <b>16 Years</b> Please list chronologically (most recent first) your employment history, position, general responsibilities, and duration of employment for the last fifteen (15) years. (NOTE: If you have less than 15 years of employment history, please list the history for those years you have worked. Project specific experience shall be included in Section (g) below): <b>Senior Project Manager, Fielder's Choice Enterprises, Inc. (May 2018 to Present):</b> Mr. Russo is a Professional Engineer with over 17 years of experience in design-build (P3) and bid-build construction projects. As a Senior Project Manager, he is responsible for the construction, quality, safety, and contract administration for both VDOT Bid-Build Projects and Local Municipality Contracts. He leads construction projects ensuring all activities are completed on time, on cost, and in accordance with contract plans and specifications. He is responsible for addressing project issues, field operations, means and methods of construction, budget reviews, change orders, project staffing, and safety. <b>Project Engineer, The Lane Construction Corporation (2012 to 2018):</b> As a Project Engineer, Mr. Russo managed the utility relocation on multiple design build contracts which included overhead and underground electrical and communication, water line, sanitary sewer, and gas. He performed constructability reviews and provided improvements to the plans sets during the design period. He planned, coordinated, and managed the daily maintenance of traffic for self-perform and subcontracted work. He was responsible for all facets of the utility construction, safety, construction planning, subcontract management, budget reviews, schedule, and quality. <b>Project Engineer, PKF-Mark III, Inc. (2008 to 2012):</b> Mr. Russo was responsible for the engineering and field supervision of several subcontractors and vendors to ensure that they met our schedule for submittals, procurement, and construction activities. He was prepared, updated, and reviewed weekly Labor Cost Reports and Monthly Budget reports. He negotiated all change orders to subcontractors, vendors, and owners. <b>Estimator/Project Manager, Rappahannock Construction Company, Inc. (2007 to 2008):</b> Mr. Russo was responsible for estimating and managing VDOT Bid-Build projects. He supervised all facets of the project including the preparation of the estimate for bid, construction planning, delivering the project on budget, developing and adhering to the project schedule, material procurement, meeting VDOT safety standards, and quality. <b>Project Engineer, Clark Construction (2005 to 2007):</b> Mr. Russo was responsible for updating the construction schedule, reviewing and processing submittals, drafting change orders and letters, and writing RFIs. He oversaw the field activities for Clark's self-perform crews as well as several subcontractors. He assisted the concrete superintendent with managing the concrete orders and coordinating reinforcing steel deliveries. <b>Construction Inspector, Dewberry and Davis (2001 to 2005):</b> Mr. Russo was the owner representative responsible for the safety and quality control for structural and grading construction activities on VDOT Bid-Build Projects. He tracked and documented the daily progress of the project according to the schedule and their compliance with VDOT Bridge Standards and Specifications. He assisted the construction manager with reviewing work orders and PCOs, performed plan reviews, and managed the punch list.
e. Education: Name & Location of Institution(s)/Degree(s)/Year/Specialization: <b>George Mason University, Fairfax, VA/Masters of Science/2007/Civil Engineering</b> <b>The Pennsylvania State University, University Park, PA/Bachelor of Science/2001/Civil Engineering</b>
f. Active Registration: Year First Registered/ Discipline/VA Registration #: <b>Registered Professional Engineer – Commonwealth of Virginia, License #0402056545</b> <b>VDOT Advanced Work Zone Traffic Control (#022815035); OSHA 10-HR Certif. (#15-003820630)</b>
g. Document the extent and depth of your experience and qualifications relevant to the Project. 1. <i>Note your role, responsibility, and specific job duties for each project, 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 project; projects older than fifteen (15) years will not be considered for evaluation.</i>

(List only three (3) relevant projects\* for which you have performed a similar function. If additional projects are shown in excess of three (3), the SOQ may be rendered non-responsive. In any case, only the first three (3) projects listed will be evaluated.)

**Purple Line Light Rail, Montgomery County, Prince George's County, Maryland – Design Build**

**Name of Firm – The Lane Construction Corporation**

**Project Role – Utility Relocation and Field Engineer**

**Beginning Date – 2017**

**End Date – 2022**

The Purple Line Light Rail is a \$2.6B Design Build Project for the Maryland Transit Authority. The project consists of wet and dry utility relocations, a 16.2-mile light rail, one tunnel, 21 stations, a new Maintenance Facility, concrete flatwork, and asphalt paving. Mr. Russo lead the utility plan review for the construction team to assist in developing Release for Construction Plans. He managed the development of Requests for Proposal to contract utility subcontractors and vendors, managed the Area 3 Utility Relocation Staff, and provided engineering support, field supervision, and subcontract management for the Area 3 utilities.

**VDOT Route 29 Solutions, Charlottesville, VA – Design Build**

**Name of Firm – The Lane Construction Corporation**

**Project Role – Utility Relocation and Field Engineer**

**Beginning Date – 2014**

**End Date – 2017**

The Route 29 Solutions is a \$116M Design Build Project to construct a Grade Separated Interchange at RTE29 and Rio Road, widen 2.5 miles of RTE 29, and construct 2.5 miles of new road as part of the 29 Solutions Plan in Charlottesville Virginia. Mr. Russo participated in the design review for all aspects of the project. He provided engineering support and construction supervision for the dry and wet utility relocations, electrical and communication construction, and asphalt paving. He manages cost, construction scheduling, contract management, and subcontract management for these disciplines.

**VDOT I-95 Express Lanes, Fairfax, Prince William, Stafford Counties, VA – Design Build**

**Name of Firm – The Lane Construction Corporation**

**Project Role – ITS Field Engineer**

**Beginning Date – 2012**

**End Date – 2014**

The I-95 Express Lanes is a Major VDOT Design Build Project that constructed 29 miles of High Occupancy Toll Lanes on the existing I-95 corridor. The project creates a direct line to the I-495 Express Lanes. The Project adds capacity to the existing HOV Lanes and improves two existing HOV lanes for six miles and adds 8 miles of reversible HOV lanes to improve the traffic congestion along the corridor. Mr. Russo performed the engineering and field supervision of the electrical subcontractor that installed the overhead sign structures, ITS, power, communication and tolling facilities for this \$700M VDOT Design Build Project. He coordinated and was responsible for the subcontractor's schedule, costs, and resolving field issues.

\* On-call contracts with multiple task orders (on multiple projects) may not be listed as a single project.

h. For Key Personnel required to be on-site full-time for the duration of construction and for QAM, provide a current list of assignments, role, and the anticipated duration of each assignment.

**Project Manager, Green County Public Schools High School and Middle School Site Improvements (June 2018 to August 2019):** Mr. Russo is the Project Manager on the GCPS HS and MS Site Improvements contract to Branch and Associates. He manages the project construction, cost, contract management, and scheduling field operations. The project has a Mile Stone Date of August 10, 2018 where a substantial amount of the site improvements must be complete. The remaining work will be select site utilities and final paving to be complete by the August 2019 deadline.

## ATTACHMENT 3.3.1

### KEY PERSONNEL RESUME FORM

<b>Brief Resume of Key Personnel anticipated for the Project.</b>
a. Name & Title: <b>Avtar Singh, PE, CCM, DBIA – President</b>
b. Project Assignment: <b>Quality Assurance Manager</b>
c. Name of all Firms with which you are employed at the time of submitting SOQ. In addition, please denote the type of employment (Full time/Part Time): <b>CES Consulting, LLC - fulltime</b>
d. Employment History: With this Firm <u>7.5</u> Years With Other Firms <u>16</u> Years Please list chronologically (most recent first) your employment history, position, general responsibilities, and duration of employment for the last fifteen (15) years. (NOTE: If you have less than 15 years of employment history, please list the history for those years you have worked. Project specific experience shall be included in Section (g) below):  <b>Consultant Project/Quality Manager – CES Consulting, LLC</b> <span style="float: right;"><b>Jan. 2011 - present</b></span> Tasked to oversee Quality management for bridge and highway projects per VDOT/FHWA guidelines. Works to ensure conformance with contract/intent, works with designer of record for review and approval; reviews/negotiates work orders and assists design engineers to expedite field changes. Coordinates traffic management with adjacent projects/TOC to ensure minimal disruptions. Reviews baseline schedules and ensure final project quality / closeout. Responsible for quality inspection documentation, correct payments and handling all stakeholder concerns. Manages QA staff of up to 2 managers and 40 inspectors.  <b>Area Construction Engineer (ACE) – Virginia Department of Transportation</b> <span style="float: right;"><b>Jan. 2005 - Dec. 2010</b></span> As VDOT ACE, managed over 28 road and bridge construction projects with a total value of \$230 million. As the Responsible Charge Engineer, he managed Quality Assurance staff of two construction managers and over 35 inspectors with up to eight concurrent projects. Responsible for managing/mentoring Quality Assurance staff, providing schedule analysis and claims reviews, providing technical expertise for field/design issues on ongoing projects and upcoming planned projects. Responsible for public outreach through seminars, public speaking engagements and multiple political representatives.  <b>Project Construction Quality Engineer – NXL Construction Services</b> <span style="float: right;"><b>Aug. 2004 - Dec. 2004</b></span> As consultant Project Construction Engineer, worked exclusively to manage quality assurance of VDOT bridge and highway projects throughout the Commonwealth as assigned. Provided day to day quality management/inspection of bridge and roadway projects, documentation of work and final project closeouts.  <b>Project Engineer – NXL Construction Services</b> <span style="float: right;"><b>Aug. 1998 - Dec. 2004</b></span> Provided quality assurance inspection for VDOT road and bridge projects throughout the Commonwealth. Responsible for project documentation, field inspection, materials testing and resolve field change issues.
e. Education: Name & Location of Institution(s)/Degree(s)/Year/Specialization: <b>George Washington University, District of Columbia/Certificate in Management/2009/Project Management</b> <b>Queen’s University, Kingston, Canada/M.Sc./1994/Structural Engineering</b> <b>Queen’s University, Kingston, Canada/B.Sc./1992/Civil Engineering</b>
f. Active Registration: Year First Registered/ Discipline/VA Registration #: <b>2011/Professional Engineer/VA (#0402035169) 2011 CCM (A2127), 2014/DBIA Certified Design-Build Professional</b>
g. Document the extent and depth of your experience and qualifications relevant to the Project. <ol style="list-style-type: none"><li>1. <i>Note your role, responsibility, and specific job duties for each project, not those of the firm.</i></li><li>2. <i>Note whether experience is with current firm or with other firm.</i></li><li>3. <i>Provide beginning and end dates for each project; projects older than fifteen (15) years will not be considered for evaluation.</i></li></ol> <b>(List only three (3) relevant projects* for which you have performed a similar function. If additional projects are shown in excess of three (3), the SOQ may be rendered non-responsive. In any case, only the first three (3) projects listed will be evaluated.)</b>

Project Name: **Route 772 Transit Connector Bridge**  
**Loudoun County, VA (DESIGN-BUILD)** Dates: **August 2017-August 2018**  
 Project Role: **Quality Control Inspection (QC)** With Current Firm? **Yes**  
 Client/Owner: **Shirley Contracting Company/Loudoun County**

CES Consulting was responsible for the Quality Control testing and inspection of construction work on this bridge and roadway project over the Dulles Toll Road. Mr. Singh set up the QC processes and procedures needed to ensure that all QC inspection met the VDOT DB QA/QC inspection manual. He ensured that QC inspection staff were properly recording, documenting and testing all construction operations. He attended the monthly meetings with the contractors, designers, VDOT, and VDOT's representatives and ensured that all NCR/Deficiency items were rectified with established timelines. This project has concrete sidewalk and asphalt shared use path on both roadway and bridge sections. Project role began in August 2017 and will end in August 2018. Contract value: \$16.6M

**Similar Scope & Complexity**

- Design-Build
- VDOT Project
- QC Role
- Roadway/Bridge
- Experience with DM

Project Name: **Route 29 Solutions**  
**Albemarle County, VA (DESIGN-BUILD)** Dates: **March 2015-September 2017**  
 Project Role: **Quality Assurance Manager (QAM)** With Current Firm? **Yes**  
 Client/Owner: **The Lane Construction Co./VDOT**

Quality Assurance Manager responsible for the Quality Assurance program on this Design-Build project. Mr. Singh was integral to all aspects of this project, from overseeing the complex maintenance of traffic for the three segments of the project to the materials testing for every aspect of the project. He handled the tracking and resolution of Non Compliance Reports (NCRs) amongst the multiple design partners to arrive at acceptable and fair resolutions. Being on-site for the entire project duration gave him extensive knowledge as to the importance Quality Assurance has on the successful delivery of a project. He managed a staff of eight QA inspectors to ensure proper coverage over this project. He served as the eyes and ears of VDOT on multiple occasions and he played a large role in the monthly meetings with the contractors, designers, VDOT, and VDOT's representatives. This project has 1.9 miles of Shared Use Path (SUP)/Sidewalk on the Route 29 Widening section, a 2.3 mile SUP with concrete sidewalk at roundabouts on Berkmar section and concrete sidewalk with multiple business tie-ins on Rio Road Grade Separated Intersection section. Project role began in May, 2015 and ended in September 2017. Contract value: \$116.7M

**Similar Scope & Complexity**

- Design-Build
- VDOT Project
- QAM Role
- Sidewalk/SUP
- Extensive MOT
- Experience with DM

Project Name: **VDOT I-95 Widening Project**  
**Dumfries, VA** Dates: **March 2013-March 2015**  
 Project Role: **Quality Assurance Manager (QAM)** With Current Firm? **Yes**  
 Client/Owner: **Virginia Department of Transportation**

Quality Manager on this 7-mile-long I-95 widening project. This project included roadway widening, installation of drainage pipes, extensive ITS/TMS work, overhead signs and extensive coordination with concurrent Express Lanes construction in the same project footprint. Mr. Singh coordinated on the corridor-wide (from I-95 in Alexandria to Spotsylvania) Traffic Management System for all lane closures, incident management and teamwork to minimize inconveniences to motorists during construction. He was fully responsible for project quality management of a VDOT Construction Manager and nine CEI Staff. In addition, he was involved in the oversight of all testing, documentation and payment of work on site. He worked with and coordinated with the FHWA, Design Engineers, and Contractor to resolve field construction issues. He enforced VDOT specifications/standards and ensuring that all Non-Conforming Work is properly documented, remediated and closed out. Contract value: \$42M

**Similar Scope & Complexity**

- Roadway Widening
- VDOT project
- Extensive MOT operations
- Compressed schedule
- Similar size

\* On-call contracts with multiple task orders (on multiple projects) may not be listed as a single project.

h. For Key Personnel required to be on-site full-time for the duration of construction, provide a current list of assignments, role, and the anticipated duration of each assignment.

Mr. Singh is the QAM (one day a week) for the upcoming Warrenton Southern Interchange Project in Culpeper District. Field work is expected to start in March 2019 for a total duration of 18 months.

## ATTACHMENT 3.3.1

### KEY PERSONNEL RESUME FORM

<b>Brief Resume of Key Personnel anticipated for the Project.</b>
a. Name & Title: <b>Craig Ponte, PE – Manager</b>
b. Project Assignment: <b>Design Manager (DM)</b>
c. Name of all Firms with which you are employed at the time of submitting SOQ. In addition, please denote the type of employment (Full time/Part Time) : <b>Louis Berger U.S., Inc., Full Time Employee</b>
d. Employment History: With this Firm <u>13</u> Years With Other Firms <u>2</u> Years Please list chronologically (most recent first) your employment history, position, general responsibilities, and duration of employment for the last fifteen (15) years. (NOTE: If you have less than 15 years of employment history, please list the history for those years you have worked. Project specific experience shall be included in Section (g) below):  <b>2017 – Present: Louis Berger U.S., Inc., Manager</b> Craig is currently a manager with Louis Berger in the Richmond office where he is responsible for the management and quality control of transportation projects throughout Virginia and the District of Columbia. He is currently serving as a deputy project manager and lead structural designer on a major P3 design-build project in Virginia valued at more than \$2.3 billion ( <b>Transform I-66 Outside the Beltway, Fairfax County, VA</b> ). Work is under way to transform I-66 in Northern Virginia into a multi-modal transportation corridor. A significant and high-profile project for this area, the scope includes safety and operational improvements at <b>key interchanges</b> . Craig is also responsible for managing and delivering structural engineering services to the District of Columbia under Louis Berger’s on-call engineering contract including the load rating and repair of complex, historic, and aging structures throughout the District. Additionally, Craig is responsible for the development, growth, and quality of the firm’s structural engineering staff based in Virginia.  <b>2015 – 2017: RK&amp;K, Project Manager</b> Craig served as a project manager with RK&K in the Richmond office and was responsible for project management and quality control on a wide variety of transportation projects throughout the Commonwealth. Craig managed and delivered diverse transportation projects involving the design of new bridges and associated structures. Part of these responsibilities included design and quality control on a \$100+ million design-build project for VDOT. Craig also provided project management for a pre-scoping, feasibility study, and stage I design (TS&L) for the replacement of two structurally deficient bridges for VDOT. As project manager, Craig was responsible for the firm’s communications with VDOT including Central Office and District staff. He was also responsible for coordination of sub-consultants across associated disciplines including materials testing, surveying, geotechnical, roadway, and railroad coordination. Craig was also responsible for the development and control of scope, budget, and schedule as well as project quality control. While at RK&K, Craig also was responsible for the structural components of a major EIS document for the development of regional interstate highways and harbor crossings in the Hampton Roads region, culminating in a \$3.3 billion preferred alternative, requiring planning level design and close coordination with VDOT Central office staff.  <b>2004 – 2015: Ammann &amp; Whitney (now Louis Berger), Associate</b> Craig served as associate with Ammann & Whitney in the Richmond office. Ammann & Whitney has since merged and has become fully incorporated with Louis Berger. With Ammann & Whitney, Craig served as structural engineer, construction manager, and project manager on a wide variety of transportation projects throughout Virginia, the District of Columbia and across the United States. Craig was responsible for structural engineering for the design, rehabilitation, and maintenance, and reconstruction of bridges. Notably, Craig served as a structural engineer for design on the Huguenot Bridge replacement project in Richmond, Virginia, valued at more than \$36 million. Craig was also served as design manager and engineer of record for a VDOT design-build project valued at more than \$3 million.
e. Education: Name & Location of Institution(s)/Degree(s)/Year/Specialization: <b>Syracuse University, Syracuse, New York / BS, Civil Engineering / 2003 / Structural Engineering</b>
f. Active Registration: Year First Registered/ Discipline/VA Registration #: <b>2009 / Professional Engineer / Virginia #043185</b>

- g. Document the extent and depth of your experience and qualifications relevant to the Project.
1. *Note your role, responsibility, and specific job duties for each project, 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 project; projects older than fifteen (15) years will not be considered for evaluation.*

**(List only three (3) relevant projects\* for which you have performed a similar function. If additional projects are shown in excess of three (3), the SOQ may be rendered non-responsive. In any case, only the first three (3) projects listed will be evaluated.)**

**VDOT/Ferrovial Agroman, Transform I-66 Outside the Beltway, Fairfax County, VA.** Craig is the current deputy project manager and lead structural engineer for improvements to this heavily traveled and critical roadway leading to Washington, DC, including the design of four express lanes within the median for this 22.5-mile, multi-modal corridor to reduce traffic congestion. Craig is responsible for structural design for the reconstruction of complex interchanges at State Route 28 and US 50, as well as the addition of seven miles of new express lanes (Segment 2). The final design includes: roadways, 27 bridges, 129 retaining walls, six miles of sound walls, drainage, lighting, 77 sign structures, MOT scheme and incorporation of ITS requirements within the project limits. Craig is responsible for the structural engineering and plan preparation for the 18 bridges in Segment 2 along with walls and associated structures. This P3 design-build project is valued in excess of \$2.3 billion. (Louis Berger, 2017-Present)

**VDOT, Route 360 Bridges over Route 360 Business & NSRR, Amelia County, VA.** Project manager for pre-scoping alternatives analysis and Phase 1 (TS&L) design services for the replacement of two structurally deficient steel girder bridges. Craig was responsible for the firm's communication with VDOT, including Richmond District staff and project manager, as well as communications with sub-consultants and the other disciplines across this multi-discipline project. In-depth inspection and detailed bridge condition assessment were performed to identify the most cost effective method to correct the deficiencies through rehabilitation or replacement. Following the condition assessment, seven feasible alternatives were identified for life-cycle cost analysis. VDOT's Common Sense Engineering (CSE) principles were implemented allowing for a replacement in-kind options. Craig coordinated the CSE process, authored, and obtained the necessary design waivers from Central Office. Our study concluded that \$2 million was saved by utilizing CSE principles. Ultimately, a two span steel structure was selected as the preferred alternative and designed to 30% design and construction plan preparation. This project is valued in excess of \$9 million and is funded with State of Good Repair funds. (RK&K, 2015-2017)

**VDOT, Multiple Culvert Rehabilitation Project, Region 2, Richmond, Fredericksburg, and NOVA Districts, VA.** Craig was the design manager and engineer of record for this design-build project to rehabilitation or replace structures throughout VDOT Region 2. Craig coordinated, supervised, and checked the hydrologic and hydraulic (H&H) studies, structural design, structural detailing, outlet protection (rip rap) calculations, construction plans, roadside development plans, E&S plans, SWPPP plans, TMP plans, shop drawing review, and quality control. (Ammann & Whitney [now Louis Berger], 2009-2011)

\* On-call contracts with multiple task orders (on multiple projects) may not be listed as a single project.

For Key Personnel required to be on-site full-time for the duration of construction, provide a current list of assignments, role, and the anticipated duration of each assignment

**Not Applicable**

**ATTACHMENT 3.3.1**

**KEY PERSONNEL RESUME FORM**

<b>Brief Resume of Key Personnel anticipated for the Project.</b>
a. Name & Title: <b>Timothy A. Wade, Senior Superintendent</b>
b. Project Assignment: <b>Construction Manager (CM)</b>
c. Name of all Firms with which you are employed at the time of submitting SOQ. In addition, please denote the type of employment (Full time/Part Time): <b>Fielder's Choice Enterprises, Inc. – Full time</b>
d. Employment History: With this Firm <b>8</b> Years With Other Firms <b>23</b> Years Please list chronologically (most recent first) your employment history, position, general responsibilities, and duration of employment for the last fifteen (15) years. (NOTE: If you have less than 15 years of employment history, please list the history for those years you have worked. Project specific experience shall be included in Section (g) below): <b>1. Senior Superintendent, Fielder's Choice Enterprises, Inc. (2009-Present)</b> Onsite superintendent for complex single projects and advising of superintendents on multiple smaller projects. Provide a safe work environment, assuring all employees receive training and equipment per the company safety plan. Development of subordinate superintendents and foremen in regard to plans, specifications, and production. Assure company policies are understood and followed by all employees. Communicate with company management to provide proper project staffing and equipment to meet schedule and budget. <b>2. Superintendent, American Infrastructure (02/2009-09/2009)</b> Responsible for daily job assignments for multiple crews. Responsible for safe operations while maintaining control of safety and job cost. Provide information for manpower and equipment needs to Project Manager and General Superintendent. Met daily with owner's representative to achieve completion of segments of work by phase. Schedule of subcontractors and QA/QC inspections for all work. <b>3. General Excavation Superintendent (03/2008-09/2008)</b> Responsible person for control of multiple company crews regarding safety, materials acquisition, and daily field operations. Coordination with railway flagger to allow safe operations within the limits of an active rail. Met with railway engineers regarding schedule, project changes, and construction per their specifications. Maintaining of subcontractor and company schedule and cost controls. Training officer for Railway Flagger certification. <b>4. Regional Manager, Pinnacle Design Build Group, Inc. (09/2005-03/2008)</b> Directed sales, bidding, and construction of Design-Build retaining structures over a 10-state region. Plan review for design and value engineering opportunities. Marketing and planning for the region acting as an Independent business unit. Training of foremen and crew leaders to company rules and quality requirements. <b>5. Superintendent, Faulconer Construction Co. (05/2000-08/2005)</b> In charge of multiple smaller projects and various large-scale road and site projects. Direct control of day to operations of subcontractor and company crews for safety, planning work, materials acquisition, and production and cost.
e. Education: Name & Location of Institution(s)/Degree(s)/Year/Specialization: <b>Blue Ridge Community College, Weyers Cave, VA/1987/VDOT Construction: Various courses (Survey, Plan Reading)</b>
f. Active Registration: Year First Registered/ Discipline/VA Registration #: <b>VEQ Responsible Land Disturber Cert # RLD 8300 Expires 12/7/2020</b> <b>VDOT Erosion and Sediment Control Contractor Certification #1-04442 Expires 3/13/2020</b>

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

1. *Note your role, responsibility, and specific job duties for each project, 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 project; projects older than fifteen (15) years will not be considered for evaluation.*

**(List only three (3) relevant projects\* for which you have performed a similar function. If additional projects are shown in excess of three (3), the SOQ may be rendered non-responsive. In any case, only the first three (3) projects listed will be evaluated.)**

**1. Hillsdale Drive Extension, City of Charlottesville, VA (\$12.0M)**

Firm: Fielder's Choice Enterprises

*June 2016-Present*

**Responsibilities: Senior Superintendent.** Supervision of all field operations for the firm and subcontractors. Directed multiple subordinate superintendents and foremen to assure safe completion of project tasks. Review manpower, equipment, and materials cost regarding schedule and budget. Verify materials and workmanship conform to the plans and specifications. Daily communication with owner's representative regarding work planning and conflict resolution. Provide plan for traffic operations and notification to the city and VDOT for alerts to the traveling public. Met with property owners to explain plan details and planned operations. Utility coordination for planned project relocations and field adjustments for work associated with existing utilities. Setting and maintaining the project baseline schedule in association with the firm's project manager.

**2. Midtown Connector, City of Lynchburg, VA (\$17.1M)**

Firm: Fielder's Choice Enterprises

*May 2012- November 2016*

**Responsibilities: Senior Superintendent.** Responsible for all company and subcontractor planning for daily operations. Daily coordination with owner's representative and engineers regarding plan activities and specification requirements. Provided insight regarding utility relocation, conflict resolution, and ultimate plan changes. Completion of submittals and RFI's in association with the firm's project manager. Tracking of schedule and providing updates to the project CPM. Coordinate traffic changes with the City of Lynchburg, to advise the traveling public of numerous changes to intersections and street connections.

**3. Westchester Commons, Midlothian, VA (\$50M)**

Firm: American Infrastructure (Allan Myers)

*February 2009- September 2009*

**Responsibilities: Superintendent.** Responsible for daily job plans to allow crews to perform work safely and productively. Completion and review of Job Safety Analysis to verify crews were prepared to safely perform daily goals. Project was a fast track schedule which required daily communication with the owner's representative, VDOT/County officials and general contractors constructing infrastructure on site. Provided updates to owner's representative to meet goals for access to roads and building sites. Close out of multiple roundabouts, interstate ramps, and signals constructed under a VDOT Land use permit. Oversight of all stormwater requirements and the commissioning of on and offsite BPM's.

\* On-call contracts with multiple task orders (on multiple projects) may not be listed as a single project.

h. For Key Personnel required to be on-site full-time for the duration of construction, provide a current list of assignments, role, and the anticipated duration of each assignment.

- ✦ Senior Superintendent, Hillsdale Drive Extension, City of Charlottesville, VA. Final completion February 2018.
- ✦ Senior Superintendent, Luck's Lane Widening, County of Chesterfield, VA. Completion planned August 2019.

**ATTACHMENT 3.4.1(a)**

**LEAD CONTRACTOR – WORK HISTORY FORM**

**(LIMIT 1 PAGE PER PROJECT)**

a. Project Name & Location	b. Name of the prime design consulting firm responsible for the overall project design.	c. Contact information of the Client or Owner and their Project Manager who can verify Firm’s responsibilities.	d. Contract Completion Date (Original)	e. Contract Completion Date (Actual or Estimated)	f. Contract Value (in thousands)		g. Dollar Value of Work Performed by the Firm identified as the Lead Contractor for this procurement.(in thousands)
					Original Contract Value	Final or Estimated Contract Value	
<b>Name: Hillsdale Drive Extension</b>  <b>Location: Charlottesville, VA</b>	<b>Name: City of Charlottesville</b>	<b>Name of Client/Owner: City of Charlottesville (LAP project)</b> Phone: 434.970.3309 Project Manager: Jeanette Janiczek Phone: 434.970.3309 Email: janiczek@charlottesville.org	<b>10/2016</b>	<b>10/2016</b>	<b>\$11,500</b>	<b>\$11,800</b>	<b>\$11,800</b>

h. Narrative describing the Work Performed by the Firm identified as the Lead Contractor for this procurement. If the Offeror chooses to submit work completed by an affiliated or subsidiary company of the Lead Contractor, identify the full legal name of the affiliate or subsidiary and the role they will have on this Project, so the relevancy of that work can be considered accordingly. The Work History Form shall include only one singular project. Projects with multiple phases, segments, elements, and/or contracts shall not be considered a single project. If a project listed includes multiple phases, segments, elements, and/or contracts, the SOQ may be rendered non-responsive. In any case, only the first phase, segment, element, and/or contract listed will be evaluated.

Fielder's Choice Enterprises (FCE), Inc. has proven its credentials and qualifications with this project – as it relates to the VDOT Route 7 and Battlefield Parkway Interchange SOQ – due to our successful management and completion of the engagement that included, but was not limited to, the construction of a mechanically stabilized earth (MSE) retaining wall for new ramps at a busy interchange with multi-phased maintenance of traffic (MOT) and signalization; and the relocation of utilities (gas, electricity, water and sewer) as well as communications (fiberoptic lines). **The incremental increase in the overall budget of this project was in response to and approval of additional service requests by the customer. Therefore, this project was completed on time, within budget, and to all quality, safety and service levels.**

**Hillsdale Drive Extension Project** – This project is an integral component of the **Route 29 Solutions Project**. It extends Hillsdale Drive through a highly densely developed shopping center, south at the intersection of Greenbrier Drive and will continue between the Pepsi-Cola and the Postal Service properties and continue through the Seminole Square Shopping Center to connect with Hydraulic Road, one of the most traveled intersections in Albemarle County. The project consists of constructing 0.90 miles of new roadway, including grading, base stone and asphalt (including new roundabout), bridge construction (165 LF), utility relocation/improvements (1,392 LF- 8” & 10” sanitary sewer and 605 LF- 6” & 8” water main), storm drainage (3,148 LF- 15”, 18”, & 36”, including water quality structures), modular wall construction (8,017 SF), CIP retaining wall structures, signalization, site lighting, curb & gutter, sidewalks, asphalt shared use paths, pavement marking, signs, and landscaping. Challenges faced on this project include precise traffic sequencing to ensure adequate safety, continued access to existing business’s and schedule restraints. Concurrent construction of the bridge, the roadway (including the roundabout), utilities as well as multiple other components of the project has been key to the success of this project. Communication and close coordination with the general public, existing businesses and entire construction team as made this project a success.



- Key Features**

  - ✓ Working in and around existing active businesses
  - ✓ Innovative roadway roundabout
  - ✓ Bridge installation
  - ✓ Improved traffic signals and lighting
  - ✓ Demolition of existing structures as well as clearing and grubbing in restricted areas
  - ✓ Improved drainage systems and utility relocation

**ATTACHMENT 3.4.1(a)**

**LEAD CONTRACTOR – WORK HISTORY FORM**

**(LIMIT 1 PAGE PER PROJECT)**

a. Project Name & Location	b. Name of the prime design consulting firm responsible for the overall project design.	c. Contact information of the Client or Owner and their Project Manager who can verify Firm’s responsibilities.	d. Contract Completion Date (Original)	e. Contract Completion Date (Actual or Estimated)	f. Contract Value (in thousands)		g. Dollar Value of Work Performed by the Firm identified as the Lead Contractor for this procurement.(in thousands)
					Original Contract Value	Final or Estimated Contract Value	
<b>Name: VDOT Project Designation G70 – Route 29 / Route 250</b>  <b>Location: Charlottesville, VA</b>	<b>Name: Virginia Department of Transportation</b>	<b>Name of Client/ Owner: Virginia Department of Transportation</b> Phone: 800.663.4188 Project Manager: Maurice McKenzie Phone: 434.293.0011 Email: maurice.mckenzie@vdot.virginia.gov	<b>08/2016</b>	<b>08/2016</b>	<b>\$11,121</b>	<b>\$12,088</b>	<b>\$12,088</b>

h. Narrative describing the Work Performed by the Firm identified as the Lead Contractor for this procurement. If the Offeror chooses to submit work completed by an affiliated or subsidiary company of the Lead Contractor, identify the full legal name of the affiliate or subsidiary and the role they will have on this Project, so the relevancy of that work can be considered accordingly. The Work History Form shall include only one singular project. Projects with multiple phases, segments, elements, and/or contracts shall not be considered a single project. If a project listed includes multiple phases, segments, elements, and/or contracts, the SOQ may be rendered non-responsive. In any case, only the first phase, segment, element, and/or contract listed will be evaluated.

**VDOT Project Designation G70** – This project is part of the Route 29 Solutions Project consisting of Route 29 / Route 250 interchange that improved the entrance ramp from Route 29 south onto the Route 250 Bypass by adding an additional lane on the ramp and an associated merge lane on Route 250 westbound to the Barracks Road exit. An additional southbound lane to Route 29 was added by widening the median from just south of Hydraulic Road to the Route 250 Bypass interchange. The improvements reduced congestion and improved safety and improved traffic flow from Route 29 onto the Route 250 Bypass, as well as the movement of traffic continuing south on Route 29 (Emmet Street) into the city. Also, included in this project was construction of a new sidewalk between Morton Drive and Angus Road. The sidewalk is located in the Route 29 median, which provides the safest route for pedestrians to use when traveling from one side of the interchange to the other. The new sidewalk connected with an existing pedestrian crossings and sidewalks at Angus Road and Morton Drive. The project was located in close proximity to The University of Virginia and student housing, so extra attention and care to pedestrian safety and traffic flow was taken during construction. A variety of underground utility installations as well as relocates were installed along highly traveled areas on Route 29 and Route 250. New traffic signals were installed to improve the flow of traffic and pedestrian travel. In addition, a sound barrier wall was constructed adjacent to Route 250 W beside Best Buy that spans in close proximity to the exit ramp of Route 250 W to Barracks Road, decreasing the traffic noise for the houses that face Route 250 W.



- | <b>Key Features</b>   |
|---|
| ✓ Enhanced traffic design   |
| ✓ Heightened pedestrian safety practices in close proximity to the University of Virginia |
| ✓ Installation of sound walls   |
| ✓ Relocation and abandonment of existing underground utilities                            |
| ✓ Complex installation of new waterline, sewer, and storm drain under heavy traffic       |

**ATTACHMENT 3.4.1(a)**

**LEAD CONTRACTOR - WORK HISTORY FORM**

**(LIMIT 1 PAGE PER PROJECT)**

a. Project Name & Location	b. Name of the prime design consulting firm responsible for the overall project design.	c. Contact information of the Client or Owner and their Project Manager who can verify Firm's responsibilities.	d. Contract Completion Date (Original)	e. Contract Completion Date (Actual or Estimated)	f. Contract Value (in thousands)		g. Dollar Value of Work Performed by the Firm identified as the Lead Contractor for this procurement.(in thousands)
					Original Contract Value	Final or Estimated Contract Value	
<b>Name: VDOT Project Designation H91</b>  <b>Location: Culpeper, VA</b>	<b>Name: Virginia Department of Transportation</b>	<b>Name of Client/ Owner: Virginia Department of Transportation</b> Phone: 540-829-7500 Project Manager: John Lynch Phone: 540-829-7500 Email: John.Lynch@VDOT.Virginia.gov	7/2017	7/2017	\$6,660	\$7,100	\$7,100

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

**VDOT Project Designation H91** – A roadway widening project generally consisting of utility and drainage improvements, roadway widening, intersection improvements, storm water management, installation of new traffic signals, maintenance of traffic and pedestrian access. This project was designed to enhance and increase the flow of traffic on a busy section of roadway and access to multiple businesses and homes. There were improvements to a 0.8-mile section of Route 229 (North Main Street) and the project widened Route 229 to a four-lane undivided highway, with right and left turn lanes. Other improvements included replacing the traffic signal at Grandview Avenue and constructing a shared-use path on the east side of the road as well as a sidewalk on the west side. Many of the challenges faced during construction were installing drainage structures and pipe under heavy traffic while maintaining pedestrian access and traffic flow. Continual maintenance of the traffic was a critical component as well as maintaining pedestrian safety. Working closely with the inspectors, the general public and partnering with the local VDOT department was key to the success of this project.



- Key Features**
- ✓ Working in and around existing active businesses and homes
  - ✓ Pedestrian access
  - ✓ Improved traffic signals and lighting
  - ✓ Improved drainage systems and utility relocation
  - ✓ Public traffic safety & coordination
  - ✓ Quality assurance

**ATTACHMENT 3.4.1(b)**

**LEAD DESIGNER - WORK HISTORY FORM**

**(LIMIT 1 PAGE PER PROJECT)**

a. Project Name & Location	b. Name of the prime/ general contractor responsible for overall construction of the project.	c. Contact information of the Client and their Project Manager who can verify Firm's responsibilities.	d. Construction Contract Start Date	e. Construction Contract Completion Date (Actual or Estimated)	f. Contract Value (in thousands)		g. Design Fee for the Work Performed by the Firm identified as the Lead Designer for this procurement.(in thousands)
					Construction Contract Value (Original)	Construction Contract Value (Actual or Estimated)	
<b>Catawba Avenue Interchange with I-77 HOT Lanes P3 Diverging Diamond</b>  <b>TIP Project No. I-5405</b> <b>Mecklenburg County, NC</b>	<b>Ferrovial Agroman USA &amp; W.C. English (joint venture)</b>	<b>NCDOT (owner)</b> <b>I77 Mobility Partners, LLC (developer)</b> <b>Sugar Creek Construction, LLC (client)</b> Project Manager: <b>David Stark, PE</b> Phone: <b>(919) 707-6605 (NCDOT)</b> Email: <a href="mailto:dstartk@ncdot.gov">dstartk@ncdot.gov</a>	<b>05/2016</b>	<b>11/2018</b>	<b>\$9,250</b>	<b>\$9,650</b>	<b>\$475</b>

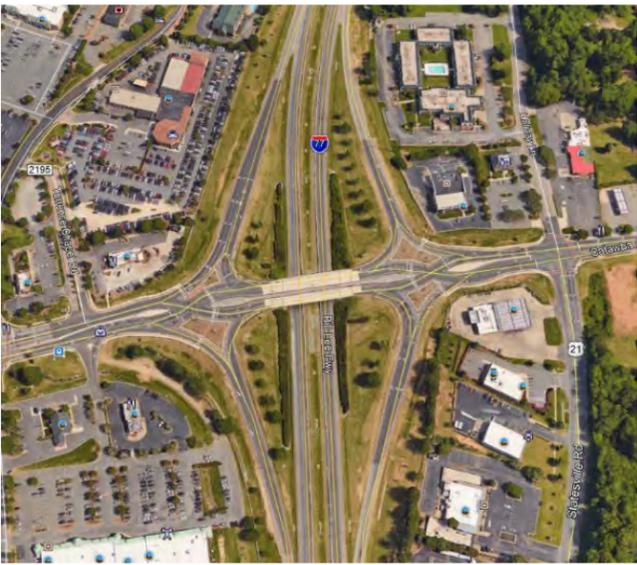
h. Narrative describing the Work Performed by the Firm identified as the Lead Designer for this procurement. Include the office location(s) where the design work was performed and whether the firm was the prime designer or a subconsultant. The Work History Form shall include only one singular project. Projects/contracts with multiple phases, segments, elements (projects), and/or contracts shall not be considered a single project. Projects/contracts with multiple phases, segments, elements (projects), and/or contracts shall not be claimed as a single project on this form.

**Firms Role:** Louis Berger served as lead designer during the tender design phase and was engineer of record through the final design of the I-77 HOT Lanes P3 project. This is the first Public Private Partnership (P3) project to be executed by North Carolina Department of Transportation (NCDOT) and provides the addition of managed lanes along a 26-mile corridor of I-77. The addition of the HOT lanes was accomplished within the existing median with minimal need for additional right-of-way. HOT lanes are provided in both directions for the project limits. Two HOT lanes in each direction extend from I-277 to Catawba Avenue DDI and then one HOT lane per direction to NC 150. The project stretches through dense populated suburban conditions from I-277 in uptown Charlotte and progresses to the north including major system to system interchanges with I-85 and I-485.

**Project Narrative:** Louis Berger is the lead designer providing design services and overall design management providing a design compliant with NCDOT needs and consistent with the concession agreement and technical requirements of the concessionaire. The design includes coordination with both Intelligent Transportation Systems (ITS) and electronic collection elements. Design responsibilities included: roadway, hydraulics, structures, traffic control, signing, lighting, signals, markings, ITS civil works, power drops, and permitting. Staff coordinated with other disciplines including location surveys, geotechnical, environmental documentation, right-of-way acquisition, utility coordination, identified bonus allocation projects, and power services for all contract electronic devices and evaluation of proposed ITS communications infrastructure.

**Proactive Approach and Coordination:** Our team provided a proactive management approach during tender design and carried that forward through the final design effort. During the tender, the project was developed in close coordination with our contract partner to ensure that the bid was compliant with the technical requirements of the concession agreement. During final design a careful approach to design management is being employed to provide a design that meets the requirements of the concessionaire while coordinating with NCDOT as ultimate owner of the roadway. Our team reached out to local communities through the project's public involvement program.

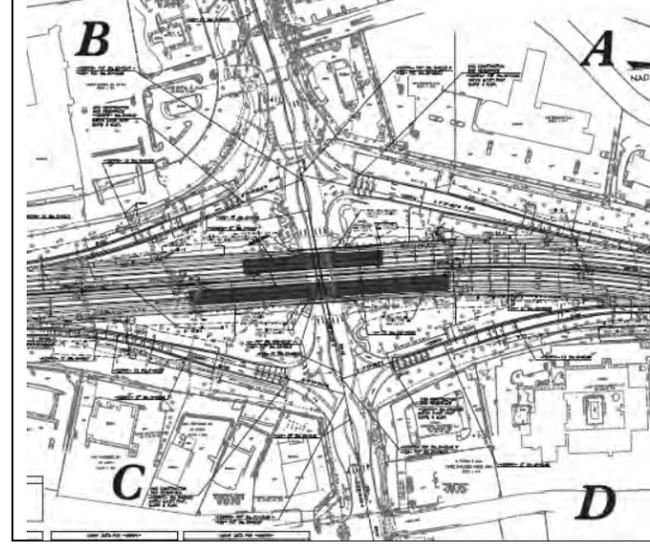
**Environmental Protection and Permitting:** Crossing environmentally sensitive Lake Norman and protecting the project-adjacent residential areas required extensive coordination with the Federal Environmental Regulatory Commission and the USACE Division of Water Quality. Project concerns addressed the Lake's dam and crucial power supply role in the area and the control of potentially contaminated spill from the project site. Our staff prepared the environmental management plan for the project including a storm water pollution prevention plan (SWPPP) and erosion and sediment control and compliance with the requirements of the categorical exclusion.



**SIMILAR SCOPE ELEMENTS**

- ✓ Roadway
- ✓ Survey
- ✓ Structure and/or Bridge
- ✓ Environmental Permitting
- ✓ Geotechnical
- ✓ Hydraulics
- ✓ Traffic Control Devices
- ✓ Transportation Management Plan
- ✓ Right-of-Way
- ✓ Utility Coordination /Relocations
- ✓ Public Involvement/Relations
- ✓ Quality Assurance/Quality Control
- ✓ Post Design Engineering Support
- ✓ Environmental Construction Compliance
- ✓ Overall Project Management

**DBE Performance:**  
Not applicable



**Maintenance of Traffic:** Another key to the success of the project was development of an extensive TMP. The TMP maintained all existing lanes of traffic during peak hours throughout construction. The TMP incorporated only nighttime and other low volume periods for temporary lane closures through the use of signing barriers, and stripping. Detailed construction staging plans allowed for project flexibility and acceleration while minimizing utility conflicts and relocations. The multi-phase/modal TMP accommodated pedestrians, enhanced motorists' awareness, and protected workers since much of the project work was in urban setting that included multiple utility providers.

**Project Controls/Reporting:** The team oversaw the establishment of project controls for the contract and managed the overall project design budget, and design and quality compliance requirements including the development of corridor-wide construction standards, specifications, special provisions, directive drawings, design criteria, special specifications and general notes and design review standards. In addition a project-specific detailed design quality management plan (DQMP) was developed for the project. Lead by a dedicated quality manager the DQMP was updated with every new task order, work order, and scope modification, identifying responsibilities, applicable operating procedures (OPs), and unique requirements.

**Fast-track Schedule:** Total integration of the project controls process, along with strict adherence to the DQMP, and constant coordination with the construction team, the design team was a major contributor in order to deliver the project in 42 months from financial close.

**Design Improvements:** Our designers worked with the owner, concessionaire, contractor, and the stakeholder (Town of Cornelius) to modify the Catawba Street Interchange Diverging Diamond Interchange, TIP Project No. I-4733. The design contract authorization was included within the original design contract for the P3 Corridor. The DDI concept modification was integrated into the existing interchange operations thus improving traffic operation and reducing long capital expenditure resulting in significant site enhancements. Additionally, in the design development stage to add additional lanes to the roadway, our team analyzed and refined NCDOT's polices on hydroplaning and hazardous spill basins. Accounting for the speed at which hydroplaning occurs on roadways and basin utilization to the maximum extent practical, our team researched the effects and prepared new standards that are now part of NCDOT's design approach and policy.

The major effort for the design was lead and performed in the Richmond Office with critical staffing support provided from the offices in Raleigh, Columbia, Miami, Dallas, Las Vegas, Needham, Portland, and Morristown.

**ATTACHMENT 3.4.1(b)**

**LEAD DESIGNER - WORK HISTORY FORM**

**(LIMIT 1 PAGE PER PROJECT)**

a. Project Name & Location	b. Name of the prime/ general contractor responsible for overall construction of the project.	c. Contact information of the Client and their Project Manager who can verify Firm's responsibilities.	d. Construction Contract Start Date	e. Construction Contract Completion Date (Actual or Estimated)	f. Contract Value (in thousands)		g. Design Fee for the Work Performed by the Firm identified as the Lead Designer for this procurement.(in thousands)
					Construction Contract Value (Original)	Construction Contract Value (Actual or Estimated)	
<b>Griffith Street Interchange with I-77 HOT Lanes P3 Roundabouts Bonus Allocation</b>  <b>TIP Project No. I-4750AA Mecklenburg County, NC</b>	<b>Ferrovial Agroman USA &amp; W.C. English (joint venture)</b>	<b>NCDOT (owner)</b> <b>I77 Mobility Partners, LLC (developer)</b> <b>Sugar Creek Construction, LLC (client)</b> Project Manager: <b>David Stark, PE</b> Phone: <b>(919) 707-6605 (NCDOT)</b> Email: <a href="mailto:dstartk@ncdot.gov">dstartk@ncdot.gov</a>	<b>05/2016</b>	<b>10/2018</b>	<b>\$10,500</b>	<b>\$10,500</b>	<b>\$450</b>

h. Narrative describing the Work Performed by the Firm identified as the Lead Designer for this procurement. Include the office location(s) where the design work was performed and whether the firm was the prime designer or a subconsultant. The Work History Form shall include only one singular project. Projects/contracts with multiple phases, segments, elements (projects), and/or contracts shall not be considered a single project. Projects/contracts with multiple phases, segments, elements (projects), and/or contracts shall not be claimed as a single project on this form.

**Firms Role:** Louis Berger served as lead designer and was engineer of record through the final design of the I-77 HOT Lanes P3 project. This is the first Public Private Partnership (P3) project to be executed by North Carolina Department of Transportation (NCDOT) and provides the addition of managed lanes along a 26-mile corridor of I-77. The addition of the HOT lanes was accomplished within the existing median with minimal need for additional right-of-way. HOT lanes are provided in both directions for the project limits. Two HOT lanes in each direction extend from I-277 to the Catawba Avenue DDI and then one HOT lane per direction to NC 150. The project stretches through dense populated suburban conditions from I-277 in uptown Charlotte and progresses to the north including major system to system interchanges with I-85 and I-485.

**Project Narrative:** Louis Berger is the lead designer providing design services and overall design management providing a roundabout design compliant with NCDOT needs and consistent with the concession agreement and technical requirements of the concessionaire. The design includes coordination with both Intelligent Transportation Systems (ITS) and electronic collection elements. Design responsibilities included: roadway, hydraulics, structures, traffic control, signing, lighting, signals, markings, ITS civil works, power drops, and permitting. Staff coordinated with other disciplines including location surveys, geotechnical, environmental documentation, right-of-way acquisition, utility coordination, identified bonus allocation projects, and power services for all contract electronic devices and evaluation of proposed ITS communications infrastructure.

**Proactive Approach and Coordination:** Our team provided a proactive management approach during tender design and carried that forward through the final design effort. During the tender, the project was developed in close coordination with our contract partner to ensure that the bid was compliant with the technical requirements of the concession agreement. During final design a careful approach to design management is being employed to provide a design that meets the requirements of the concessionaire while coordinating with NCDOT as ultimate owner of the roadway. Our team reached out to local communities through the project's public involvement program.

**Maintenance of Traffic:** Another key to the success of the project was development of an extensive TMP. The TMP maintained all existing lanes of traffic during peak hours throughout construction. The TMP incorporated only nighttime and other low volume periods for temporary lane closures through the use of signing barriers, and stripping. Detailed construction staging plans allowed for project flexibility and acceleration while minimizing utility conflicts and relocations. The multi-phase/modal TMP accommodated pedestrians, enhanced motorists' awareness, and protected workers since much of the project work was in urban setting that included multiple utility providers.

**Project Controls/Reporting:** The team oversaw the establishment of project controls for the contract and managed the overall project design budget, and design and quality compliance requirements including the development of corridor-wide construction standards, specifications, special provisions, directive drawings, design criteria, special specifications and general notes and design review standards. In addition a project-specific detailed design quality management plan (DQMP) was developed for the project. Lead by a dedicated quality manager the DQMP was updated with every new task order, work order, and scope modification, identifying responsibilities, applicable operating procedures (OPs), and unique requirements.

**Fast-track Schedule:** Total integration of the project controls process, along with strict adherence to the DQMP, and constant coordination with the construction team, the design team was a major contributor in order to deliver the project in 42 months from financial close.

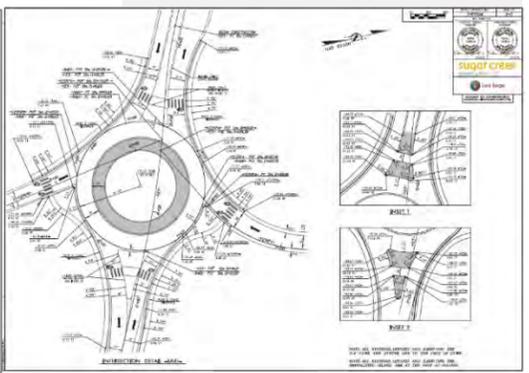
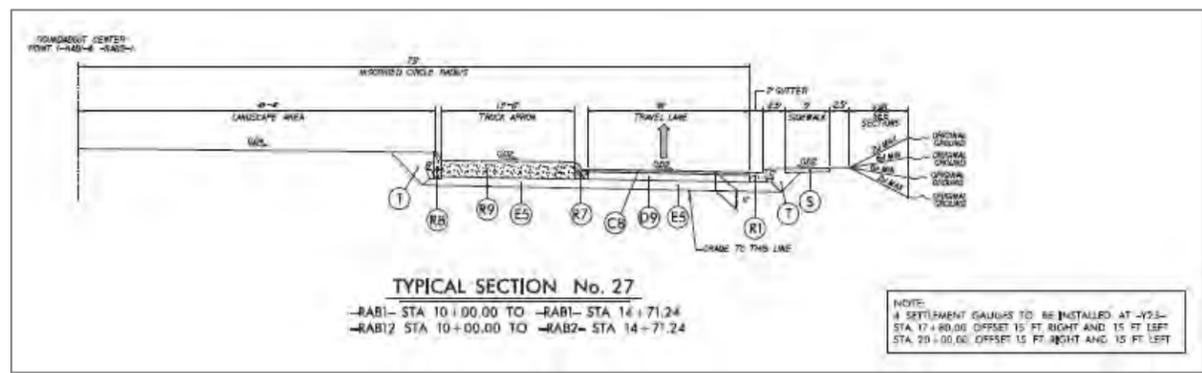
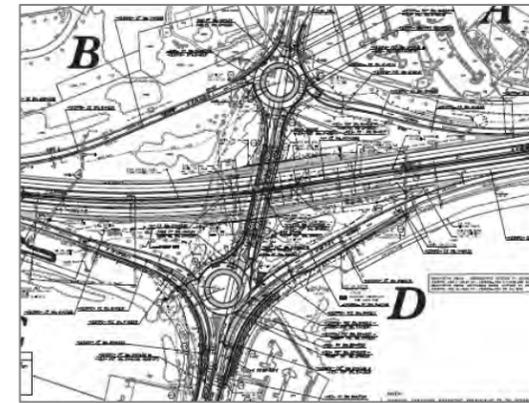
**Design Improvements:** Our designers worked with the owner, concessionaire, contractor, and the stakeholder (Town of Davidson) to revise the Griffith Street Interchange ramp termini to match the character / context of Griffith Street as it enters the Town. The contract change order was authorized under a funding of bonus allocation projects within the corridor. These roundabouts and were incorporated into the existing interchange; improving traffic operation, visual aesthetics with appropriate landscaping, and reducing long term maintenance costs resulting in significant site enhancements. Additionally, in the design development stage to add additional lanes to the roadway, our team analyzed and refined NCDOT's polices on hydroplaning and hazardous spill basins. Accounting for the speed at which hydroplaning occurs on roadways and basin utilization to the maximum extent practical, our team researched the effects and prepared new standards that are now part of NCDOT's design approach and policy.

The major effort for the design was lead and performed in the Richmond Office with critical staffing support provided from the offices in Raleigh, Columbia, Miami, Dallas, Las Vegas, Needham, Portland, and Morristown.

**SIMILAR SCOPE ELEMENTS**

- ✓ Roadway
- ✓ Survey
- ✓ Structure and/or Bridge
- ✓ Environmental Permitting
- ✓ Geotechnical
- ✓ Hydraulics
- ✓ Traffic Control Devices
- ✓ Transportation Management Plan
- ✓ Right-of-Way
- ✓ Utility Coordination /Relocations
- ✓ Public Involvement/Relations
- ✓ Quality Assurance/Quality Control
- ✓ Post Design Engineering Support
- ✓ Environmental Construction Compliance
- ✓ Overall Project Management

**DBE Performance:**  
Not applicable



**ATTACHMENT 3.4.1(b)**

**LEAD DESIGNER - WORK HISTORY FORM**

**(LIMIT 1 PAGE PER PROJECT)**

a. Project Name & Location	b. Name of the prime/ general contractor responsible for overall construction of the project.	c. Contact information of the Client and their Project Manager who can verify Firm’s responsibilities.	d. Construction Contract Start Date	e. Construction Contract Completion Date (Actual or Estimated)	f. Contract Value (in thousands)		g. Design Fee for the Work Performed by the Firm identified as the Lead Designer for this procurement.(in thousands)
					Construction Contract Value (Original)	Construction Contract Value (Actual or Estimated)	
<b>U.S. Rte 29 &amp; Gallows Road Improvements UPC 11395 &amp; 88600 Fairfax County, VA</b>	<b>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&amp;S and Public Involvement</b>	<b>Virginia Department of Transportation 4975 Alliance Drive Fairfax, VA 20151 Project Manager: Ms. Lee Hall, PE LeeAnn.Hall@VDOT.Virginia.gov Phone: (703) 259-2746</b>	<b>Original Date was undefined – Phased Contract See Below</b>	<b>November 2010 Design Completed Design Support during CN 2014</b>	<b>\$1,494 Phased Contract</b>	<b>\$3,602</b>	<b>\$2,968</b>

h. Narrative describing the Work Performed by the Firm identified as the Lead Designer for this procurement. Include the office location(s) where the design work was performed and whether the firm was the prime designer or a subconsultant. The Work History Form shall include only one singular project. Projects/contracts with multiple phases, segments, elements (projects), and/or contracts shall not be considered a single project. Projects/contracts with multiple phases, segments, elements (projects), and/or contracts shall not be claimed as a single project on this form.

Louis Berger was selected as the Prime consultant for this principle urban arterial project. The Department developed a phased contract approach with Louis Berger beginning with an alternative development phase to select appropriate designs to improve capacity and safety along the U.S. 29 corridor. Louis Berger 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, we submitted final construction plans to the Department for advertisement. The project was completed in 2013.

During the Concept alternative phase, Louis Berger developed an array of grade separated urban interchanges and at-grade intersection alternatives for the Gallows Road and Route 29 intersection. We 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 consisted 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. Louis Berger design also included five reconfigured intersections along the project corridor with improved turn lane capacity and signal replacements. Access management principles were applied on the design that included elimination of full access control at certain areas with the construction of raised medians. The project design also included 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 three 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) – Louis Berger redesigned the project to accommodate the changing project visions resulting from these constraints. In 2009, Louis Berger 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. Louis Berger strived to provide flexible solutions to the Department throughout the life of this project, and we are proud of the partnering role we maintained with the Department and team members on this project. Louis Berger services 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 Department R/W and individual property owners to develop design modifications to assist in R/W negotiations, reviewing and advising the Department 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. Louis Berger supplied design support during construction on this \$25 million dollar construction 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.