



Statement of Qualifications

A DESIGN-BUILD PROJECT

I-395 HOV Ramp at Seminary Road

From: Sanger Avenue

To: Seminary Road

with

I-395 NB Auxiliary Lane Extension

From: Duke Avenue

To: Sanger Avenue

City of Alexandria, Virginia

State Project No.:

0095-100-722, 1395-100-736

Federal Project No.:

NH-000S, pending

Contract ID Number:

C00096261DB50

Date: April 27, 2012



fai Constructors

A JOINT VENTURE OF FERROVIAL AND
AMERICAN INFRASTRUCTURE

AECOM

 American
Infrastructure

ferrovial
agroman

ATTACHMENT 3.1.2

Project: 0095-100-722, I395-100-736

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
Statement of Qualifications Checklist and Contents	Attachment 3.1.2	Section 3.1.2	no	Attachment 3.1.2
Acknowledgement of RFQ, Revision and/or Addenda	Attachment 2.10 (Form C-78-RFQ)	Section 2.10	no	Appendix 2.10
Letter of Submittal (on Offeror's letterhead)				
Authorized Representative's signature	NA	Section 3.2.1	yes	Section 3.2 Page 2
Offeror's point of contact information	NA	Section 3.2.2	yes	Section 3.2 Page 2
Principal officer information	NA	Section 3.2.3	yes	Section 3.2 Page 2
Offeror's Corporate Structure	NA	Section 3.2.4	yes	Section 3.2 Page 2
Identity of Lead Contractor and Lead Designer	NA	Section 3.2.5	yes	Section 3.2 Page 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

ATTACHMENT 3.1.2

Project: 0095-100-722, I395-100-736

STATEMENT OF QUALIFICATIONS CHECKLIST AND CONTENTS

Statement of Qualifications Component	Form (if any)	RFQ Cross reference	Included within 15-page limit?	SOQ Page Reference
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
Full size copies of SCC and DPOR registration documentation (appendix)	NA	Section 3.2.10	no	Appendix 3.2.10
SCC Registration	3.2.10	Section 3.2.10.1	no	Appendix 3.2.10
DPOR Registration (Offices)	3.2.10	Section 3.2.10.2	no	Appendix 3.2.10
DPOR Registration (Key Personnel)	3.2.10	Section 3.2.10.3	no	Appendix 3.2.10
DPOR Registration (Non-APELSCIDLA)	3.2.10	Section 3.2.10.4	no	Appendix 3.2.10
DBE statement within Letter of Submittal confirming Offeror is committed to achieving the required DBE goal	NA	Section 3.2.11	yes	Section 3.2 Page 2
Offeror's Team Structure				
Identity of and qualifications of Key Personnel	NA	Section 3.3.1	yes	Section 3.3 Page 5-6 & Appendix 3.3.1

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Project: 0095-100-722, I395-100-736

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Statement of Qualifications Component	Form (if any)	RFQ Cross reference	Included within 15-page limit?	SOQ Page Reference
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
Key Personnel Resume – Lead Structural Engineer	Attachment 3.3.1	Section 3.3.1.5	no	Appendix 3.3.1
Key Personnel Resume – Public Relations Manager	Attachment 3.3.1	Section 3.3.1.6	no	Appendix 3.3.1
Organizational chart	NA	Section 3.3.2	yes	Section 3.3 Page 6
Organizational chart narrative	NA	Section 3.3.2	yes	Section 3.3 Page 7-8
Experience of Offeror's Team				Section 3.4 Page 9-11
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

ATTACHMENT 3.1.2

Project: 0095-100-722, I395-100-736

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Statement of Qualifications Component	Form (if any)	RFQ Cross reference	Included within 15- page limit?	SOQ Page Reference
Project Risk				
Identify and discuss three critical risks for the Project	NA	Section 3.5.1	yes	Section 3.5 Page 12-15



A JOINT VENTURE OF FERROVIAL AND
AMERICAN INFRASTRUCTURE

301 Concourse Boulevard, Suite 300
Glen Allen, VA 23059
Phone: 804-290-8500 Fax: 804-418-7935

April 27, 2012

Bill Arel, P.E.
Virginia Department of Transportation
1401 East Broad Street
Richmond, VA 23219

**Letter of Submittal / Statement of Qualifications Submission:
I-395 HOV Ramp at Seminary Road with I-395 NB Auxiliary Lane Extension
Contract ID Number: C00096261DB50**

Dear Mr. Arel:

FAI Constructors, a Joint Venture between FA Southeast, LLC (Ferrovial) and American Infrastructure-VA, Inc (AI-VA), in collaboration with its lead design firm AECOM Technical Services, Inc. (AECOM) is pleased to submit this statement of qualifications document for the Virginia Department of Transportation (VDOT) I-395 HOV Ramp at Seminary Road with I-395 NB Auxiliary Lane Extension Project (the Project) in the City of Alexandria. Ferrovial will be the managing Joint Venture Partner.

FA Southeast, LLC is a wholly owned subsidiary of Ferrovial Agromán, S.A, a Spanish corporation based in Madrid, with a gross annual volume of over \$6 billion and approximately 90% of their annual volume via the Design-Build delivery method. Ferrovial has been operating in the United States since 2005.

AI-VA is part of American Infrastructure, Inc., the largest heavy civil contractor in the Mid-Atlantic Region. With headquarters in Glen Allen, AI-VA is an established leader in Design-Build Projects in VA.

AECOM is a world-wide design and construction firm with an extensive portfolio of highway and bridge projects and has been providing transportation services to VDOT for over 60 years.

Why the FAI Team?

- Ferrovial brings world-wide construction experience in Heavy Civil Construction and has more than 50 years' experience partnering with the public sector on Design-Build and P3 contracts. Ferrovial currently has four major projects under contract in the US; the Indiana Toll Road (\$250M), and Texas P3 Projects SH-130, Segments 5 & 6 (\$968M), NTE (\$1.5B) and IH-635 Managed Lanes (\$2.1B). Ferrovial is also the Design Builder on the Cintra Team for the proposed VDOT US 460 Project.
- AI-VA brings local market knowledge, a local workforce, an extensive inventory of equipment, and the respect of the local subcontractor market. Through the resources of American Infrastructure, Inc., AI-VA can bring a field work force of over 1300 employees to the Project. AI has completed over \$2B of heavy civil Construction over last 5 years in the Mid Atlantic region including \$1.3B in Highway and Bridge Work. AI-VA also has a reputation for aggressively completing projects ahead of schedule. The \$39M Airport Connector Road Design-Build P3 Project in Richmond was completed three months ahead of schedule and the \$6.7M Route 29 Approaches and Bridge over the Tye River Design-Build project for VDOT was completed eleven months ahead of schedule. The DBIA recognized AI-VA and the Airport Connector Project with the only Merit Award for Infrastructure in 2011. American Infrastructure was awarded the ABC National Contractor of the Year Award for 2011.
- AECOM is a known leader in the transportation industry and is ranked #1 by ENR. AECOM has been the lead designer on over \$1 billion worth of Design-Build projects in the Mid-Atlantic. In VA, AECOM has designed the Pentagon Secure Access Lane Design-Build project, Route 1 (Monroe

Avenue) Bridge Design-Build project, and for VDOT the Route 288 PPTA project, North Gayton Road PPTA project, and I-81 Truck Climbing Lanes Design-Build project.

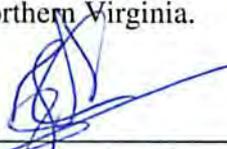
- The construction joint venture of Ferrovial and AI-VA bring over 158 years of combined heavy civil construction experience and AECOM brings over 111 years of design experience to the Project. Integrating the resources of these team members into FAI Team will far exceed VDOT's expectations.

The FAI Team submits the information below as requested in Section 3.2 of the Request for Qualifications:

- 3.2.2 David Nardon is the point of contact for the FAI Team and his contact information is as follows:
J. David Nardon 804.290.8528 (Telephone)
Technical Advisor 610.222.4351 (Fax)
301 Concourse Blvd, Suite 300 443.876.6367 (Cell)
Glen Allen, VA 23059 david.nardon@americaninfrastructure.com
- 3.2.3 The principal officer of FAI Constructors with whom a Design-Build contract would be written is:
Jose Penalver, Managing Director 804.290.8500 (Telephone)
301 Concourse Blvd, Suite 300 804.418.7935 (Fax)
Glen Allen, VA 23059 jpenalver@ferrovial.us.com
- 3.2.4 FAI Constructors is a registered Corporation in the Commonwealth of Virginia and will take financial responsibility for the Project without limitation. Our sureties have committed to furnishing payment and performance bonds as required by the RFP. Ferrovial Agromán and AI-VA, each members of the joint venture FAI Constructors, hereby agree to be jointly and severally liable for any and all duties and obligations of the Proposer for the Project.
- 3.2.5 FAI Constructors will be the Lead Contractor for the Project. AECOM Technical Services, Inc. will be the Lead Designer for the Project.
- 3.2.6 All affiliated and subsidiary companies are identified in *Attachment 3.2.6*.
- 3.2.7 The executed Certification Regarding Debarment Forms are included in *Appendix 3.2.7*.
- 3.2.8 FAI Constructors is prequalified with VDOT (Vendor No. 063) as required by the RFP. FA Southeast, LLC and American Infrastructure-VA, Inc. are prequalified with VDOT (Vendor Nos. F989 and G303 respectively). Our prequalification evidence can be found in *Appendix 3.2.8*.
- 3.2.9 FAI Constructors has the capability to obtain a performance and payment bond on the estimated contract value of the project. Our letter from Willis of New York, Inc. (dated April 27, 2012) supporting this information is provided in *Attachment 3.2.9*.
- 3.2.10 The summary of professional licenses held by members of our team who are offering professional services for the Project is found in *Attachment 3.2.10*. Full size copies of individual licenses for FAI Team business entities and Key Personnel are provided in *Appendix 3.2.10*.
- 3.2.11 It is the policy of FAI Constructors to support the establishment, preservation of, and contribute to, the viability of small businesses owned by women and minorities. The FAI Team is committed to achieving the twenty percent (20%) DBE participation goal for the Project.

The FAI Team has analyzed the project in detail and is committed to providing VDOT with cost effective, innovative solutions, in a safe and effective environment. Through an inclusive effort with all stake holders, we will minimize any disruption to the public during construction and bring new alternative delivery solutions to northern Virginia.

Respectfully,



Jose Penalver, Managing Director
FAI Constructors



J. David Nardon, Technical Advisor
FAI Constructors



FAI Constructors has strategically developed this project team to provide VDOT an Offeror with global construction experience, a strong local presence, and industry leading design professionals.

FAI Constructors will self-perform the majority of the construction, and the lead designer, AECOM Technical Services, Inc. (AECOM) will self-perform the majority of the design work. The FAI Team is rounded out with key subconsultants who have experience with the primary team members and projects similar to the I-395 HOV Ramp at Seminary Road with I-395 NB Auxiliary Lane Extension Project (the Project).



FAI CONSTRUCTORS is a Joint Venture between FA Southeast LLC (Ferrovial) and

American Infrastructure-VA, Inc. (AI-VA). FAI Constructors will manage and be ultimately responsible for all design and construction work related to the Project. Specific responsibilities include, but are not limited to, managing the overall design-build process, coordinating with VDOT and local authorities, supervising construction operations, and performing the construction. The FAI Team is committed to utilizing local labor and established relationships with local small businesses and minority firms.

ferrovial **FA SOUTHEAST, LLC**
agroman **(FERROVIAL)**, founded in 1927, has been operating in the US since 2005 through its affiliates Ferrovial Agromán US Corp. (Austin/Texas), FA Southeast LLC (Atlanta, GA) and Webber LLC (Houston, TX). Ferrovial Agromán currently has four major projects under contract in the US: the Indiana Toll Road (“ITR”) (\$250M), and Texas P3 projects SH-130, Segments 5 & 6 (\$968M), North Tarrant Express (\$1.5B) and LBJ Express (\$2.1B) and maintains a US based workforce of over 1200 employees and over 300 pieces of equipment. Ferrovial brings to the Project a unique and effective tool that most other teams cannot match: The Ferrovial Agromán Technical Office, an in-house, multi-discipline group of over 100 civil engineers, operating as an internal peer-review in support of the lead designer. It is our in-

house design and technical capabilities and integrated approach to design, construction and management that differentiate us from the competition. The Ferrovial Technical Office is involved in the design, construction, financing, operation, maintenance and eventual decommissioning of all types of major infrastructure assets on a global level. As such, it is able to apply the understanding of each of these stages to the Project. Our designers and engineers will engage with the design team, bringing to the design process an element of ownership and a set of outside eyes to challenge thinking and review work. Ferrovial captures experience from our entire global portfolio via our Central Technical Office based in Madrid to ensure lessons learned are captured and applied. Through this philosophy the Ferrovial Technical Office has consolidated its position as one of the best in the construction industry, winning numerous awards for its innovative approach to design and construction.



AMERICAN INFRASTRUCTURE (AI)

has provided quality construction services in the Mid-Atlantic region since 1939 and as American Infrastructure-VA, Inc. (AI-VA) in the Commonwealth of Virginia since 1967. A Virginia contractor with a regional workforce of more than 320 employees and 458 pieces of heavy equipment and rolling stock, AI-VA has the available skilled craft and equipment to respond immediately to the needs of the Project. AI-VA is backed by the resources of its parent company, American Infrastructure, with a fleet of over 850 pieces of heavy equipment and rolling stock and a dedicated field staff of more than 1,300 people. With annual revenues in excess of \$500M, AI has performed over \$2B of construction in the Mid-Atlantic area over the last five years with \$1.3B of this work specifically in the highway and bridge sectors.

AECOM TECHNICAL SERVICES, INC (AECOM)

is known as a leader in the transportation industry and is ranked #1 by Engineering News Record. The firm was incorporated in 1990 from many legacy companies,



some dating back more than 90 years. AECOM provides a blend of global reach, local knowledge, innovation, and technical excellence in delivering solutions that create, enhance and sustain the world's natural and social environments. AECOM has been providing transportation services to VDOT out of its Arlington, Richmond and Roanoke offices for over 60 years. With over 300 transportation professionals in Virginia, DC and Maryland, AECOM has played an important role as lead designer on over \$1 billion worth of Design-Build projects in the Mid-Atlantic. Our engineers understand the urgency that our clients have to deliver projects on-time and on-budget.

 **NXL CONSTRUCTION SERVICES, INC. (NXL)** will provide independent Quality Assurance inspection and testing for the Project. Founded in 1989 and based in Richmond, NXL is a Virginia certified DBE (#626437) with offices throughout Virginia. NXL inspectors have expert knowledge of the Department's standards and specifications as well as all of the required Department training and certifications.

 **ECS MID-ATLANTIC, LLC (ECS)** will provide independent Quality Assurance laboratory services. Founded in 1988, ECS is a leader in environmental, geotechnical and cultural resources engineering as well as construction observation and testing services. Their 12 regional labs are WACEL, AASHTO, AMRL, CCRL and USACE certified.

 **FROEHLING & ROBERTSON, INC.** (F&R) will provide independent Quality Control construction inspection and field testing for the Project. Headquartered in Richmond and with 13 offices, F&R possesses the local resources to deliver the quick, efficient, and cost-effective services required for the Project. The firm is a woman owned business that has been in operation since 1881. Construction inspection and testing, as enhanced by non-destructive testing capabilities, is one of the core quality control/assurance services offered by F&R.

 **KDR REAL ESTATE SERVICES, INC. (KDR)** will provide ROW acquisition for the Project. A SWaM business established in 1986 and based out of Richmond, KDR operates as a real estate appraisal and consulting company focusing on right-of-way and easement acquisition. KDR has worked as an appraisal service and easement acquirer for VDOT for over two decades. KDR has personnel trained in maintaining RUMS, the VDOT network computer system.

 **AMEC ENVIRONMENT & INFRASTRUCTURE, INC. (AMEC)** will provide geotechnical, environmental and permitting services for the Project. AMEC is an industry leader in engineering, geotechnical, construction materials testing, environmental and management consulting services. Its offices in Ashburn and Chantilly provide personalized geotechnical and environmental services.

 **COMMONWEALTH CONSULTANTS OF VA, INC. (COMMONWEALTH)** will provide public relations and public outreach. Since 1996, Commonwealth has been providing public relations, and community affairs services to Fortune 500 corporations and other top companies throughout Virginia and Maryland. Commonwealth Consultants is experienced in managing community affairs on high profile, complex issues, such as the I-95 Hot Lanes project where Commonwealth is working on behalf of Transurban to keep the public informed of the project benefits.

 **PRECISION MEASUREMENTS, INC. (PMI)** is a full service land surveying firm, established in 1995, with offices in Virginia Beach, Newport News, Richmond, and Chantilly. A Virginia certified DBE (005346), PMI offers a wide range of services including: topographic surveys, hydrographic surveys, volumetric surveys, horizontal and vertical control surveys, 3-d scanning, geodetic surveys, boundary surveys, route surveys, infrastructure surveys, deformation

monitoring surveys, antenna alignment surveys, and NGS “Blue Booking.”

3.3.1 KEY PERSONNEL: We have identified the six key personnel for this project.

3.3.1.1 DESIGN BUILD PROJECT MANAGER (DBPM)

Gabriel Pablo Medel (Ferrovial) will be the primary contact for VDOT and will be ultimately responsible for all aspects of the Project. Mr. Medel is an experienced, highly trained construction professional with nearly 35 years of experience in the industry. Mr. Medel currently serves as the Design-Build Project Manager on the \$968M SH 130 Segments 5 & 6 project in Austin, Texas where he is fully responsible for every aspect of the project. Prior to the SH 130 project, he served as the Construction Manager on numerous design-build projects for Ferrovial in Spain. As the DBPM, he will be ultimately responsible for management of all design and construction activities including, but not limited to: Project Administration, Quality Management, Environmental Management, Public Information and Communication, Right of Way Acquisition, Safety, Communications Management, Cost Management, Design, and Construction. Mr. Medel will continuously coordinate with the Design Manager and Construction Manager to ensure project requirements are fulfilled as efficiently and effectively as possible. He is immediately and fully supported by a highly specialized team of experienced professionals that ensure all necessary expertise and resources are in place to guarantee an on-time and on-budget project.

3.3.1.2 QUALITY ASSURANCE MANAGER (QAM)

Michael Saunders, PE (NXL) will be responsible for the independent QA Management for construction including inspection and testing of all materials and work performed, in conformance with the contract requirements and the “approved for construction” plans and specifications. This includes monitoring of the FAI Team’s QC program. Mr. Saunders is a registered, licensed, Professional Engineer in the Commonwealth of Virginia with 11 years of experience. He will report

directly to Mr. Medel, DBPM, and indirectly to VDOT. Mr. Saunders will have the authority to stop any work not meeting contract requirements. In accordance with VDOT’s Minimum Quality Control and Quality Assurance Requirements for Design-Build and PPTA Projects, he will maintain independent oversight of the Project. Supporting Mr. Saunders will be several QA inspectors and ECS for QA Materials Testing. As required by VDOT’s guidelines, our QA program will be completely independent from our QC program for construction.

3.3.1.3 DESIGN MANAGER (DM)

Mark Burris, PE (AECOM) will be responsible for leading and coordinating the individual design disciplines including roadway, structures, drainage, utilities, traffic/ITS, maintenance of traffic (MOT), geotechnical, right-of-way acquisition, and environmental permitting. Mr. Burris is a Professional Engineer licensed in Virginia and has 29 years of design and management experience including leading design-build projects such as North Gayton Road Extension and VDOT’s Jamestown Corridor Improvements.

3.3.1.4 CONSTRUCTION MANAGER (CM)

David Passmore (AI-VA) will be responsible for managing the construction process, including QC activities. He will be on the project site full time for the duration of the construction and will ensure materials used and work performed meet contract requirements and “approved for construction” plans and specifications. Currently assigned as CM for the \$39M VDOT Hampton Blvd Grade Separation project in Norfolk, Mr. Passmore brings 16 years of construction experience to the Project. He holds a VDOT Erosion and Sediment Control Contractor Certification (ESCCC) (#4973C) and will obtain Virginia Department of Conservation and Recreation (DCR) Responsible Land Disturber (RLD) Certification prior to commencement of construction on the Project.

3.3.1.5 LEAD STRUCTURAL ENGINEER (LSE)

Nathan Porter, PE (AECOM) will serve as the LSE for the Project and will be responsible for structural design of bridges, retaining walls, noise



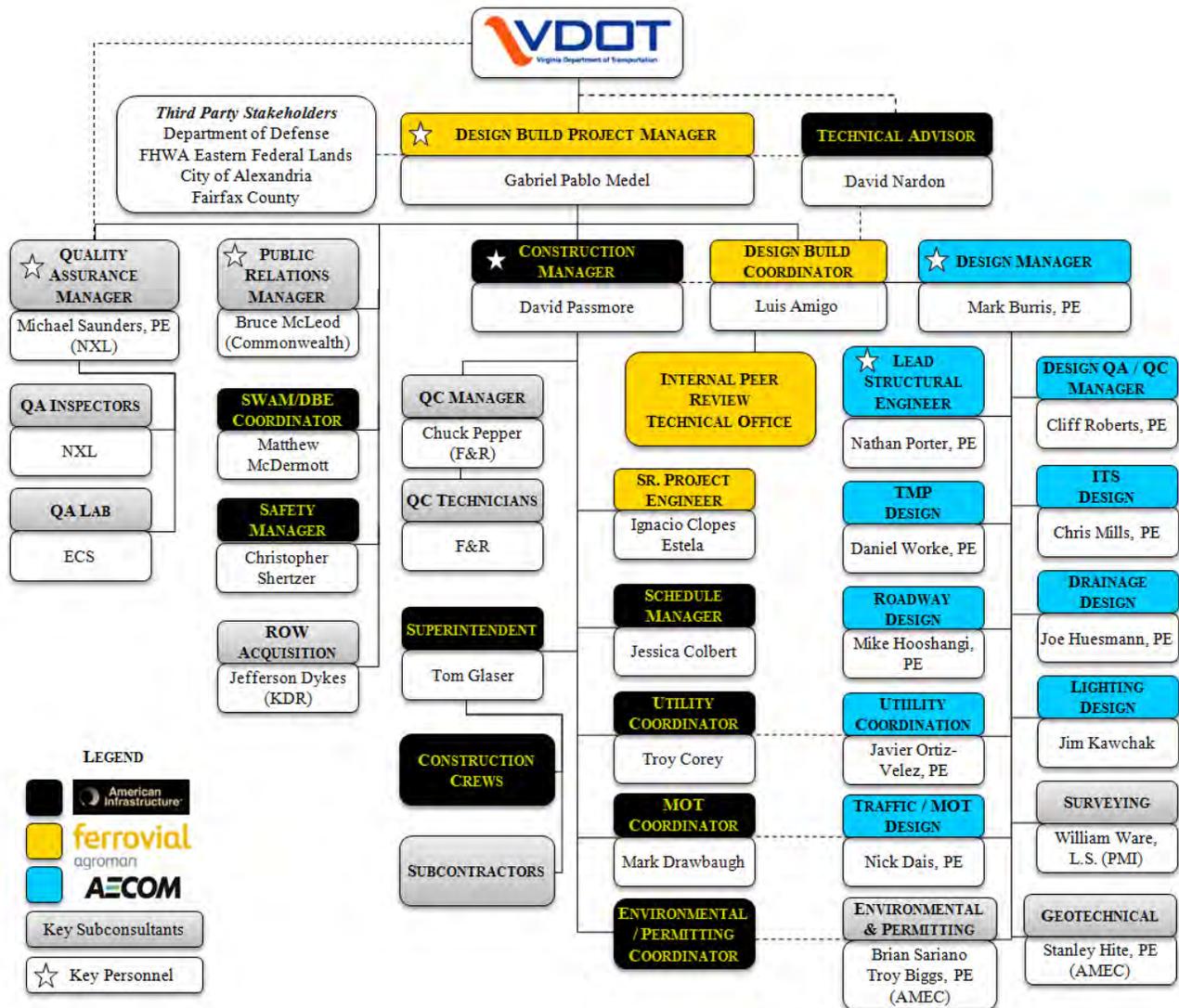
walls, and any other structures. Mr. Porter is a Professional Engineer licensed in Virginia and has over 15 years of experience performing complex projects for VDOT.

3.3.1.6 PUBLIC RELATIONS MANAGER (PRM)

Bruce McLeod (Commonwealth) will serve as the PRM and will develop a comprehensive public outreach strategy for the Project. Mr. McLeod will be responsible for managing all external project communication with stakeholders, the media, and general public during the design and construction of the Project. Mr. McLeod has 20 years of experience in public relations, advertising and outreach, and has significant experience working in

the DC Metro Area. He served as the lead strategist in developing public relations/community outreach plans for two of the nation’s largest transportation projects – Dulles Corridor Metrorail project and the Capital Beltway HOT Lanes project. His innovative ideas and experience in the region make Mr. McLeod a strong addition to the FAI Team.

3.3.2 ORGANIZATION CHART: The organizational chart illustrates the “chain of command” and functional structure of our team. It shows a clear separation between QC and QA programs for construction activities including QA and QC inspection and field / laboratory testing. ☆ identifies Key Personnel for the Project.



FUNCTIONAL RELATIONSHIPS:

Primary Design-Build Management Team: Our management team includes the six designated Key Personnel with five additional positions. These are the Design Build Coordinator (DBC), Technical Advisor, Safety Manager, SWaM/DBE Coordinator, and ROW Acquisition Manager. Each reporting directly to Mr. Medel, DBPM, this team of professionals provides our team with additional depth of expertise needed to deliver a safe and compliant project. Maintaining open and direct lines of communication with all team members and stakeholders is critical to the success of the Project.

Luis Amigo (Ferrovial), Design Build Coordinator is ultimately responsible for communication and exchange of vital knowledge and information between the Design and Construction team personnel. This task is accomplished by coordinating with the DM, DBPM, and Ferrovia's Technical Office on a daily basis. The DB Coordinator is involved in the early stages of design, when construction input is needed, until the last phases of construction to provide design clarifications between the project staff and Ferrovia's Technical Office, which will provide the internal peer review of the design. Described below, are the Functional relationships shown graphically in the organizational chart.

David Nardon (AI-VA), Technical Advisor, will operate as the Senior Advisor for the design and construction teams, and play an integral role in the development of the design and construction elements of the Project. Mr. Nardon will be a key resource to both the DBPM and VDOT, bringing to the table 35 years of heavy civil construction experience, specializing in Design Build alternative delivery method. Mr. Nardon will serve as an expert contributor for particular design and constructability elements, and bring his broad knowledge of VDOT standards and methods to provide insight and efficiency to the team.

Chris Shertzer (AI-VA), Safety Manager, will oversee and ensure construction activities meet the FAI Team safety standards, and comply with site-specific safety policies. Mr. Shertzer will be on site

full time. Mr. Shertzer was the safety manager on the Airport Connector Road project in Richmond which was completed with a perfect safety record.

Matthew McDermott (AI-VA), SWaM/DBE Coordinator, will be responsible for the solicitation of SWaM/DBE firms during the RFP phase of the submittal, and for the management of SWaM/DBE firms during procurement after award. He will ensure we meet the DBE goal for the Project and act as a mentor to firms who are new to the process.

Jefferson Dykes (KDR), ROW Acquisition, will be responsible for administering the negotiations and the closing processes for land acquisitions.

Design Team: Mr. Burris, DM will be supported by the following team members who will provide design services in their area of expertise, in addition to Mr. Porter, LSE.

Cliff Roberts, PE (AECOM), Design QA / QC Manager, will provide design quality control reviews and quality assurance compliance. He has 28 years of experience and his past design experience includes Route 50/Courthouse Road Interchange Improvements project and I-95/395/495 Interchange project.

Mike Hooshangi, PE (AECOM) will provide roadway design for the Project. Mr. Hooshangi has over 32 years of experience in all areas of highway design. Notable VDOT projects include the design of the Route 50 Courthouse Road and 10th Street Interchanges and 6 sections of the Fairfax County Parkway including five interchanges.

Daniel Worke, PE (AECOM) will provide Transportation Management Plan (TMP) design for the Project. Mr. Worke has experience with traffic engineering, signals, pavement markings, and development of TMP and Maintenance of Traffic (MOT) plans. His experience includes several traffic engineering contracts in northern Virginia.

Chris Mills, PE (AECOM) will be responsible for the design of ITS architecture, system engineering and design, devices/systems acceptance tests for the Project and has 16 years of experience with VDOT and other DOT agencies.

Joe Huesmann, PE (AECOM) will provide drainage design for the Project. His responsibilities



consist of design of stormwater conveyance systems and stormwater management (SWM) facilities. His 20 years of experience includes similar work for the Route 895 Design-Build project.

Javier Ortiz-Velez, PE (AECOM) will provide utilities coordination for the Project. Javier will be report direct to Mark Burris, but also coordinate with FAI Utility Coordinator, Mr. Corey, to ensure relocations are handled on time. Mr. Ortiz-Velez has 16 years of related roadway and utility experience.

Nick Dais, PE (AECOM) will provide traffic signal, signing and pavement marking, and MOT design for the Project. Mr. Dais has 13 years of experience and has performed similar work on the Route 50 and 10th Street/Courthouse Road Interchanges project and other projects.

Jim Kawchak, PE (AECOM) will provide lighting design for the Project. His 24 years of experience includes the Route 1 (Monroe Avenue) Bridge Design-Build project and the Route 50 and 10th Street/Courthouse Road Interchanges projects.

Brian Sariano (AMEC) will coordinate NEPA environmental compliance for the Project. His 24 years experience preparing Environmental Assessments and Environmental Impact Statements will be used to ensure our team's compliance with all aspects of the approved EA and CatEx. He will be supported by **Troy Biggs, PE** (AMEC) who has 12 years experience in the design and development of SWM plans and ESC permitting applications.

William Ware, L.S. (Precision Measurements) will provide surveying for the Project. Mr. Ware has over 25 years of experience in geodetic, boundary, route, topographic, and construction surveys. His experience includes the Richmond Highway (Rte 1 in Fairfax County) project.

Stanley Hite, PE (AMEC) will provide geotechnical design for the Project. Mr. Hite has 33 years of experience, including with VDOT in northern VA and has a strong background in materials, geotechnical engineering, and pavement design. His experience includes the Richmond Airport Connector and Route 460 Connector projects.

Construction Team: Supporting **David Passmore, CM**, will be the following team members:

Chuck Pepper (F&R), Quality Control Manager, bring nearly 30 years of experience to the Project, including 6 years as a VDOT inspector. Mr. Pepper will oversee QC inspection and testing for construction and ensure construction conforms to VDOT standards.

Tom Glaser (AI-VA), Project Superintendent, will be responsible for all field operations. With 25 years of construction experience, Mr. Glaser will coordinate FAI crews and subcontractors and manage overall project production.

Ignacio Clopes Estela (Ferrovial), Senior Project Engineer, has over 10 years experience and will be responsible for control of construction quantities, project documents, and dissemination and implementation of RFC plans, plan revisions, and field changes.

Jessica Colbert (AI-VA), Schedule Manager, will be responsible for building and maintaining the Project CPM schedule, and identifying any schedule issues as early as possible. With 9 years of experience, Ms. Colbert was the Schedule Manager for the Airport Connector Road project in Richmond which finished 3 months ahead of schedule.

Troy Corey (AI-VA), Utility Coordinator, has 15 years of experience in the construction industry and is currently working on the \$38M VDOT Route 60 German School Road project in Richmond, on which utility coordination has been critical to the schedule. Mr. Corey will have a close working relationship with Mr. Ortiz-Velez on the design team to ensure that utility coordination is done efficiently, without delays.

Mark Drawbaugh (AI-VA), MOT Coordinator, will be responsible for traffic control and will have a close working relationship with Mr. Dais on the design team to ensure MOT is implemented per plan. Mr. Drawbaugh brings over 5 years of MOT experience and is currently working on the \$13M Route 10 Road Widening project in Chester, VA as the MOT supervisor.



The I-395 HOV Ramp at Seminary Road with I-395 NB Auxiliary Lane Extension Project (the Project) presents challenges such as aggressive schedule, technical complexities, environmental sensitivities, demanding MOT requirements, uncertain geotechnical conditions, sensitive Right-of-Way (ROW) acquisitions, and has elements requiring intense and detailed planning. FAI Constructors has assembled a team experienced in delivering projects similar in both scope and delivery methods, and will rely on our strengths of innovation and delivering projects on-budget and ahead of schedule to deliver this Project successfully. Members of the FAI Team have a proven history in successfully dealing with all of these challenges on other complex projects, as detailed in our work history examples.

FAI CONSTRUCTORS WORK HISTORY: Attachment 3.4.1 contains three relevant projects demonstrating our qualifications to fill the role of Lead Contractor. These projects include:

- SH-130 – *Design-Build / P3*
- Airport Connector Road – *Design-Build / P3*
- SR 202 – *Design-Bid-Build*

FERROVIAL'S EXPERIENCE: Globally, Ferrovial Agromán, S.A is recognized as a leader in the design and construction of complex infrastructure projects with more than 50 years experience specifically partnering with the public sector on Design-Build and P3 contracts. In the United States, FA Southeast, LLC (Ferrovial) is recognized as being among the nation's elite Design-Build contractors, and the among the nation's most prolific P3 developers. Ferrovial currently has four major projects under contract in the US: the Indiana Toll Road (\$250M), and Texas P3 projects SH-130, Segments 5 & 6 (\$968M), NTE (\$1.5B) and IH-635 Managed Lanes (\$2.1B). Ferrovial is also the Design Builder on the Cintra Team for the proposed VDOT US460 project.

Recently, Ferrovial's IH 635 project (LBJ Express) in Dallas, TX was named the North American PPP Transaction of the Year. On this project, the Ferrovial Technical Office developed and utilized an innovative solution that eliminated an

underground tunnel and resulted in an estimated \$900 million savings for TxDOT.

Ferrovial's SH130 is over 8 months ahead of schedule, and is projected to complete at nearly 10 months before the original contract completion date. On this project, AECOM and Ferrovial optimized the TxDOT Type IV beam girder resulting in a new precast concrete beam girder that allowed one less beam per span; this optimized girder would go on to become the new TxDOT standard TX-54 beam girder.

AI-VA'S EXPERIENCE: AI-VA and our affiliated companies have delivered many complex and challenging highway projects, very similar in scope, size, and complexity to the Project. They range in size up to \$200M in contract value. To date, AI has been awarded over \$205M of Design-Build projects in the Mid-Atlantic Region. In Virginia, our active Design-Build highway project is the Middle Ground Boulevard Extension project in Newport News (\$32.5M).

We recently completed the Route 29 Bridge over Tye River in Amherst/Nelson Counties (\$6.7M), which finished 11 months ahead of schedule, and the Airport Connector Road in Richmond (\$39M) which finished 3 months ahead of schedule. AI-VA was awarded the Design Build Institute of America, Mid-Atlantic Region Merit Award for Transportation for this project. In addition, American Infrastructure was awarded the ABC National Contractor of the Year Award for 2011.

AI-VA's construction operations are supported by the ability to draw upon the expertise and extensive resources of our affiliated companies, Allan A. Myers LP (AAM), and American Infrastructure-MD (AI-MD). As affiliated companies, AI-VA, AAM, and AI-MD share resources, both personnel and equipment, in a seamless manner to provide a strong competitive advantage across the region.

AECOM'S EXPERIENCE: AECOM has been the lead designer on over \$1 billion worth of Design-Build projects in the Mid-Atlantic Region. Attachment 3.4.1 contains three relevant projects demonstrating their qualifications to fill the role of



Lead Designer on this Project. These projects include:

- EB I-64 Flyover to NB I-295 – *Design-Bid-Build*
- I-81 Truck Climbing Lanes – *Design-Build*
- Route 1 (Monroe Avenue) – *Design-Build*

In Virginia, AECOM has also completed the Pentagon Secure Access Lane Design-Build project, Route 288 PPTA project, North Gayton Road PPTA project, and I-81 Design-Build project for VDOT.

WORKING RELATIONSHIPS OF THE KEY TEAM MEMBERS:

FERROVIAL AND AI-VA share similar philosophies regarding quality, performance, and stormwater pollution prevention planning. We share similar values and business ethics. Both firms adhere to the highest quality and safety values and share common ideals when it comes to Corporate Responsibility and Ethics. We have developed a team structure that allows for open communication, integrated construction planning, and a technical advisory panel to provide expedited guidance on any issues that may arise during design or construction of the Project. On the VDOT US 460 P3 procurement, Ferrovial and AI-VA are the team's designated design-build contractors.

FERROVIAL AND AECOM have been working together for more than 18 years and worked together on the ETR407 P3 project. Ferrovial and AECOM have also worked together on the SH 130 and North Tarrant Express projects. In addition, Ferrovial and AECOM worked together and were shortlisted on the West by Northwest P3 project in the Atlanta Metropolitan area.

AI-VA AND AECOM have a well established working relationship. AI-VA and AECOM are teamed on the pursuit for the I-64 Exit 91 Interchange Improvement project and were also previously teamed in pursuit of the Arkendale-Powells Creek Design-Build project for Virginia Railway Express. AI-VA and AECOM have also worked together to coordinate construction efforts on the Midlothian Turnpike project and Beulah Road projects and to minimize disruption to rail lines on the Airport Connector project, the Hampton

Boulevard Grade Separation project, the Route 10 project, and will be coordinating on the Middle Ground Boulevard project.

WORKING RELATIONSHIPS WITH SUBCONSULTANTS: The FAI Team has strong working relationships with all subconsultants for the Project.

FERROVIAL, AECOM AND AMEC are currently working together on the North Tarrant Express project in Texas.

AI-VA, F&R, AND KDR are teamed on the Middle Ground Boulevard Design-Build project in Newport News, Virginia.

AI-VA AND F&R were teamed on the Approaches and Bridges over Tye River Design-Build project on the Amherst/Nelson County Line and are teamed in pursuit of the I-581/Elm Ave Interchange Design-Build project.

AI-VA, NXL, AND F&R are teamed in pursuits for the I-64 Exit 91 Interchange Improvements and the I-581 Valley View Blvd Design Build projects for VDOT.

AI-VA, NXL, AND COMMONWEALTH are teamed in pursuit for the Interstate 66 Widening project for VDOT.

AI-VA AND NXL are teamed in pursuit of the Route 29 Charlottesville Bypass Design-Build project for VDOT.

AECOM HAS TEAMED WITH AMEC on over 75 projects nationwide. Some representative design-build projects where AMEC worked with AECOM include I-405 Kirkland, SR 519, I-595 Corridor, and Washington Bypass.

AECOM WORKED WITH PRECISION MEASUREMENTS, INC., on the Defense Supply Center Facility project in Chesterfield County. In addition, PMI provided surveying services to AECOM for the CSX National Gateway project.

RECOGNITION AND AWARDS: The FAI Team key members have been recognized as leaders in the industry.



FERROVIAL AGROMÁN

- ENR ranked as the #30 Global Contractor
- Fortune ranked #2 for Corporate Responsibility
- Engineering & Construction ranked #12 as Most Admired
- Dow Jones recognized as having a Silver Sustainability Index
- ISO9001:2008 certified for Quality Management Controls

AMERICAN INFRASTRUCTURE

- ENR ranked #120 for Top 400 Contractors
- ENR ranked #68 for Top 200 Environmental Firms
- ENR ranked #25 for Top 50 National Heavy Civil Contractors
- ABC Awarded the National Contractor of the Year Award for 2011

AECOM

- ENR ranked #1 in Design
- ENR ranked #1 for Transportation, Highway, Rail and Transit, General Buildings, and Sanitary and Storm Sewers
- ENR ranked #2 for Program Management and Bridges
- ENR ranked #3 for Green Design

PROVEN SAFETY PERFORMANCE: Both Ferrovial and AI-VA encourage a culture of safety and excellence. The commitments to safety are evidenced through our policies and our excellent safety performance.

FAI Constructors believes a project is only considered successful when the goal of zero incidents is achieved. It is our policy to perform work in the safest manner possible, consistent with good construction practices. Every team member and stakeholder within the Project has the right to stop work if there is a safety issue.

As standard on all projects for both Ferrovial and AI-VA, FAI constructors will assign a full-time safety manager and prepare a project specific safety plan for the Project. Neither Ferrovial nor AI-VA have been issued an OSHA citation in the past five

years and, as shown below, we maintain Experience Modification Rates considerably lower than the construction industry standard of 1.00.

FAI TEAM SAFETY PERFORMANCE				
Year	EMR		OSHA Violations	
	Ferrovial	AI-VA	Ferrovial	AI-VA
2011	0.77	0.69	0	0
2010	0.65	0.80	0	0
2009	0.55	0.75	0	0
2008	0.57	0.68	0	0

WHY THE FAI TEAM?

Ferrovial brings world-wide construction experience in Heavy Civil Construction and has more than 50 years’ experience partnering with the public sector on Design-Build and P3 contracts.

AI-VA brings local market knowledge, a local workforce, an extensive inventory of equipment, and the respect of the local subcontractor market. AI-VA also has a reputation for aggressively completing projects ahead of schedule.

AECOM is a known leader in the transportation industry and has been the lead designer on over \$1 billion worth of Design-Build projects in the Mid-Atlantic Region.

The construction joint venture of Ferrovial and AI-VA bring over 158 years of combined heavy civil construction experience and AECOM brings over 111 years of design experience to the Project. Integrating the resources of these team members into FAI Team will far exceed VDOT’s expectations.

Value Added Services is a term commonly used in the construction industry. For every team that submits a Statement of Qualifications on the Project, it will have a different meaning. For our team, it not only means dissecting every design element and construction sequence to meet the challenges of the Project in a safe, cost effective way, it also means a very intense “inclusive effort by all stake holders to mitigate any disruption to the public” during the construction of the I-395 HOV Ramp at Seminary Road with I-395 NB Auxiliary Lane Extension Project.



Our team has identified three critical risks that pose a significant challenge to the Project:

- Multi Agency Coordination – *Communication, Anticipation, and Relationships*
- Existing Conditions – *Structures, Utilities, Pedestrian Facilities & Environmental Clearance*
- Traffic – *I-395 Mainline & HOV lanes and Seminary & Local Roads*

MULTI-AGENCY COORDINATION

RISK – In light of the BRAC related expansion of office space and supporting infrastructure in Mark Center and the public visibility of all projects at or near Mark Center, the FAI Team sees multi-agency involvement as a significant risk. In addition to VDOT, interested agencies will include the City of Alexandria, Fairfax County, FWHA Eastern Federal Lands Highway Division (EFLHD), the Federal tenant agencies of Mark Center, and the various bus transit operators who provide service along I-395 (WMATA, DASH, Fairfax Connector, and PRTC). All have the same goal of providing improved transportation services to the Mark Center. However, it is likely that each agency will have different opinions on how to achieve that goal. Additionally, Landmark Mall and Francis Hammond Middle School may require coordination activities.

IMPACT – During design, agency differences of opinion on how best to serve the public can add significant duration to final design activities and review cycles, delaying required agency approvals and in the worst case result in politically dictated solutions to transportation design problems.

MITIGATION – Communication: Regular and early communication with involved agencies is essential. This communication can take various forms, such as regular meetings, presentations to key stakeholders, and agency participation in formal and “over-the-shoulder” reviews. The FAI team will also communicate to VDOT potential areas of disagreement that may not be able to be resolved at the Project level and keep VDOT apprised of potential impacts of agency desires and decisions.

The FAI team will also ensure that stakeholders are included in the flow of project documents and information as appropriate. State and local police, fire departments as well as other appropriate agencies will be contacted to prepare for emergencies, VIP access and major sports or political events. Local jurisdictions, stakeholders, and groups with authority over lane closures will be invited to regular meetings and kept in the flow of information.

Anticipation – Anticipating this risk will allow FAI to properly coordinate inter-agency communication. Early involvement of the stakeholders will address issues up front and assist in developing an accurate review and comment cycles in the project schedule.

Relationships – The FAI team has long standing relationships with the key agencies involved with the Project including the City of Alexandria, EFLHD, and VDOT. These relationships provide an atmosphere of trust that will expedite the flow of information, provide insight into specific agency preferences, and reduce design review cycles by minimizing comments and revisions.

EXISTING CONDITIONS

RISK – Structures – The existing Seminary Road Bridge is a horizontally curved structure with a super-elevated typical section at the tie-in connection with the proposed HOV Ramp Bridge. Given the age of the existing bridge, its current super elevated configuration, and current LRFD design code requirements, significant modifications to the superstructure may be required to accommodate the proposed tie-in and widening. Additionally, due to the existing foundation and substructure configuration at Pier 4, and in consideration of the space required to facilitate the construction of the proposed widening of the Seminary Road Bridge, there is a potential for significant traffic impacts to the Seminary Road Rotary and North Van Dorn Street during construction. Our review of the Project has also indicated that the condition and as-designed capacity of the existing Holmes Run Culvert may require considerable modifications to this structure as well as the adjoining drainage distribution hub



and pedestrian pathway to accommodate the proposed auxiliary lane extension/widening. Given the age of the existing highway and density of adjacent development, compliance with current design standards will also be a challenge.

Utilities – Utilities are always a source of concern for projects in urban and high traffic locations. Utility impacts can effect construction and also negatively impact adjacent communities, businesses, and the motoring public if handled incorrectly. Based on our experience, accuracy of utility locates and records, unidentified utilities, utility location conflicts, the age & condition of existing utilities, and the requirement to maintain utility operation pose significant risk.

Pedestrian Facilities – The required upgrade/replacement of the existing Pedestrian Bridges at the Seminary Road Bridge to current ADA requirements within the current footprint of the adjoining ramps and ROW while maintaining pedestrian access presents a significant challenge.

Environmental Clearances – Potential ROW acquisition and/or Design Exceptions to accommodate current roadway geometrics and SWM facilities requirements, as well as impaired downstream channels pose a significant risk. The current project indicates less than 0.5 acres of ROW acquisition and additional ROW impacts are likely.

IMPACT – Structures – Structural deficiencies and/or geometric constraints could lead to major modifications in the planned approach for the structural design and/or rehabilitation of the existing Seminary Road Bridge, Holmes Run Culvert, and Pedestrian Bridges.

Utilities – Locating unidentified utilities or damaging critical ITS infrastructure during construction will impact schedule and costs. Likewise, relocation of unforeseen utilities that have seasonal blackout dates could further impact the Project.

Pedestrian Facilities – The requirement to maintain pedestrian access during construction could impact the construction cost and schedule by requiring construction of temporary access routes.

The constraints of the site may require the design of alternate pedestrian facility types and alignments.

Environmental Clearances – Acquiring new right-of way (R/W) for storm water management could require a reevaluation of the NEPA documentation for the Project resulting in a delay in obtaining final environmental clearances. The Design-Builder may be responsible for developing the additional NEPA documentation, obtaining clearances from resource agencies, and implementation of additional mitigation measures.

MITIGATION – Structures – In order to mitigate the risks involved with the structural design and/or rehabilitation of the Seminary Road Bridge, Holmes Run Culvert and Pedestrian Bridges, we will conduct a detailed review of the existing structures which includes, but is not limited to, evaluation of structural rating and inspection reports, review of existing plans, and a detailed review of geometric constraints at the site. We will focus our efforts on identifying structural elements that may warrant a design exception based on as-designed and current code requirements and will work with VDOT to determine the best course of action in dealing with any structural design issues. The design approach may include alternative methods for adjoining the HOV Ramp Bridge and Seminary Road Bridge; complete superstructure replacement of the Seminary Road Bridge to accommodate the HOV Ramp Bridge; retrofitting and/or lengthening the Holmes Run Culvert as well as modifying the adjoining drainage hub and pedestrian pathway; and/or incorporating a bridge structure to accommodate the Auxiliary Lane Extension over Holmes Run. Identifying issues and developing solutions early in the design phase will help mitigate impacts to the project schedule and overall project cost.

Utilities – Early identification and planning can mitigate these risks since they are driven by uncertainty. Maintaining early and active coordination with the utility companies will help keep utility conflicts off the critical path for the Project. Likewise, ensuring timely phasing and relocation will assist schedule adherence. Another



strategy is to adapt the design, where feasible, to avoid utility conflicts that are discovered during construction. To mitigate traffic impacts caused by a disruption to the existing ITS/TMS system, a redundant system may be installed and incorporated into the MOT plan. This could be a wireless or microwave system that serves as backup if a communication cable is inadvertently severed.

Pedestrian Facilities – In order to mitigate the potential impacts to the pedestrian access route, the FAI team will develop an MOT plan in close coordination with the construction plan for the new pedestrian access via the current route, until such time that a new pedestrian access facility can be constructed to current ADA standards. In the event that temporary disruptions to the pedestrian route are inevitable for public safety, special care will be given to provide adequate public notice and to develop pedestrian detour routes that are safe and easy to navigate.

Environmental Clearances – During the RFP phase, our team will analyze roadway and shoulder widths, as-built bridge documents, and SWM needs caused by the additional roadway and impervious areas in greater detail. Based on this analysis we will determine the need for design exceptions or innovative solutions to overcome the hurdle of blending the original design with current standards and limited space. Similarly, our analysis of SWM facilities will determine whether implementation of traditional ponds can be minimized or eliminated to lessen the need for additional ROW, or if underground storage systems can be introduced to save space while complying with treatment regulations. Should additional ROW be necessary, our ROW experts will provide acquisition services to minimize any delays to schedule. Inclusion of the ROW team in the design process will proactively approach acquisition requirements and reduce unviable design alternatives. Design and construction of post-construction storm water BMPS will stay within the existing R/W if at all possible, utilizing alternative design approaches for storm water management as necessary.

TRAFFIC

Given the high traffic volumes within the project limits and surrounding area, the interaction and coexistence of traffic during construction is a critical component to the Project success. The FAI team has focused its efforts in identifying, mitigating, and implementing traffic control measures that optimize construction, traffic flow, and safety.

RISK – The I-395 Mainline and HOV lanes traffic may be impacted during the peak periods. The I-395 HOV lanes are critical elements of the Region’s transportation system, impacting travel patterns, park & ride facilities as well as transit services (i.e. PRTC OmniRide, Fairfax Connector, WMATA and others). Additionally, Landmark Mall, located approximately one mile south of the Seminary Road interchange, is a major trip generator in the area, particularly during December shopping season. Coordination of construction activities may be necessary with the Mall. The I-395 northbound on-ramp from westbound Duke Street adds significant traffic to the mainline. Any construction that occurs on the outside shoulders of I-395 may impact the merge area for this on-ramp. Van Dorn Street, which runs parallel to I-395, does not have any significant additional capacity to serve as a relief for I-395. Therefore, traffic needs to be managed within the I-395 right-of-way.

Seminary Road & Local Roads – Seminary Road Bridge has sidewalks on both sides. There are two pedestrian access ramps on the north side of the structure that connects pedestrians to the bridge to and from Southern Towers on the northwest side and Kenmore Avenue on the southeast side, over the rotary and I-395 ramps. The rotary does not have any pedestrian facilities that could be used as a connection. Pedestrian and bike access should be provided during and after the construction between the two sides of I-395 in compliance with the ADA requirements. Additionally, WMATA and DASH run buses along Seminary Road. Impact to the operations of these routes and the transit stops should be coordinated with WMATA and the City of Alexandria. Mark Center is a major trip generator on Seminary Road.



The City of Alexandria may be opposed to providing access to and from the southeast side of Seminary Road to the proposed HOV ramp. This would have design impacts for the proposed westbound left-turn on the bridge. Additionally, adequate queue storage should be provided for both the eastbound right-turn and the westbound left-turn lanes at the proposed HOV ramp.

IMPACT –The high traffic volumes along the corridor can pose serious risks to the construction schedule, costs, and safety of workers and the travelling public if not properly mitigated. Sensitivity to peak hours, lane closure restrictions, and major events can cause delays if not anticipated and planned for. Coordination with local jurisdictions, agencies, and transit authorities is essential to prevent conflicts in lane closure requests, detour routes, and special events which could delay the Project.

MITIGATION – In order to mitigate the construction impact and reduce the volume that will be impacted by the construction, traffic management strategies such as transit service incentives, shuttle services, variable working hours, telecommuting, ridesharing/carpooling, and park and ride will be implemented as necessary. The intelligent transportation systems such as travel time estimation system, and advanced congestion warning systems will help the public to understand the magnitude of the traffic congestion. These options will be assessed in detail and the transportation management plan and design will minimize the impact to the public as much as possible.

VDOT/AGENCY ROLE IN MITIGATION STRATEGIES

Other than VDOT’s typical role on a design-build project, we do not anticipate additional roles/measures from VDOT or other agencies to successfully mitigate these risks. However, we do believe expedited reviews and a collaborative, unified team approach are essential to the success of the Project. The FAI Team will partner with VDOT and third party stakeholders to work as a unified “team” to deliver this project on time while meeting the needs of the community and goals of VDOT.

The FAI Team is experienced in partnering and strongly believes in the value this process will impart to the Project and all participants. Our experience can be summarized as **Start Right - Stay Right, Manage Change, Manage Conflict**. Partnering establishes *working* relationships that require commitment, trust, mutual goals, timely response and continuous evaluation of the Project. Successful results of partnering include reduced project costs, mitigated impacts, shortened schedule and ensured compliance with project objectives.

Additionally, we will invite VDOT staff to participate in “over-the-shoulder” reviews which will take place periodically throughout design in between planned submittals. This informal process will provide insight that will be instrumental to mitigating risk as the work is being designed prior to submission for formal review/approval and allow VDOT to observe our progress and initiate discussion regarding plan elements.

“American Infrastructure...FHWA, and VDOT worked together almost seamlessly to prepare the plans for final construction approval and solve any and all issues that arose during the design of the project. This effort exemplified the goal that VDOT sets for partnering on each of our design-build projects”

- Ian Millikan, P.E. – VDOT Design Project Manager; Richmond Airport Connector



ATTACHMENT 2.10

**COMMONWEALTH OF VIRGINIA
DEPARTMENT OF TRANSPORTATION**

RFQ NO. C00096261DB50
PROJECT NO.: 0095-100-722, I395-100-736

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 03/07/2012
(Date)
2. Cover letter of _____
(Date)
3. Cover letter of _____
(Date)



SIGNATURE

04/23/12
DATE

ATTACHMENT 3.2.6

State Project No. 0095-100-722, I395-100-736

Affiliated and Subsidiary Companies of the Offeror

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

<input type="checkbox"/> The Offeror does not have any affiliated or subsidiary companies.
<input checked="" type="checkbox"/> Affiliated and/ or subsidiary companies of the Offeror are listed below.

Relationship with Offeror (Affiliate or Subsidiary)	Full Legal Name	Address
FA Southeast, LLC Affiliate	Ferrovial Agromán, S.A.	Calle Ribera del Loira 42, 28042, Madrid, Spain
FA Southeast, LLC Affiliate	Ferrovial Agromán U.S. Corp.	7700 Chevy Chase Drive, Building 1, Suite 300, Austin, TX 78752
American Infrastructure-VA, Inc. Affiliate	Allan A. Myers, Inc.	1805 Berks Road, Worcester, PA 19490
American Infrastructure-VA, Inc. Affiliate	American Infrastructure-MD, Inc.	2011 Belair Road, Fallston, MD 21047-2721
AECOM Technical Services, Inc. Domestic Subsidiaries (100% owned)	AECOM, Inc., a Delaware corporation (FEIN: 06-0852759)	250 Apollo Drive Chelmsford, Massachusetts 01824
AECOM Technical Services, Inc. Domestic Subsidiaries (100% owned)	AECOM Services, Inc., a California corporation (FEIN: 95-2084998)	515 S. Flower Street, 4th Floor Los Angeles, California 90071
AECOM Technical Services, Inc. Domestic Subsidiaries (100% owned)	AECOM USA, Inc., a New York corporation (FEIN: 13-5511947)	605 Third Avenue New York, New York 10158
AECOM Technical Services, Inc. Domestic Subsidiaries (100% owned)	Davis Langdon, Inc., a California corporation (FEIN: 94-3230154)	343 Sansome Street, #1050 San Francisco, California 94104
AECOM Technical Services, Inc. Domestic Subsidiaries (100% owned)	Economic Research Associates, a California corporation (FEIN: 95-3611116)	150 Chestnut Street San Francisco, California 94111

ATTACHMENT 3.2.6

State Project No. 0095-100-722, I395-100-736

Affiliated and Subsidiary Companies of the Offeror

AECOM Technical Services, Inc. Domestic Subsidiaries (100% owned)	EDAW, Inc., a Delaware corporation (FEIN: 20-8662876)	150 Chestnut Street San Francisco, California 94111
AECOM Technical Services, Inc. Domestic Subsidiaries (100% owned)	Earth Tech Environment & Infrastructure, Inc., a Wisconsin corporation (FEIN: 39-0246950)	515 S. Flower Street, 4th Floor Los Angeles, California 90071
AECOM Technical Services, Inc. Domestic Subsidiaries (100% owned)	Earth Tech WE Holding, Inc., a Delaware corporation (FEIN: 51-0362984)	515 S. Flower Street, 4th Floor Los Angeles, California 90071
AECOM Technical Services, Inc. Domestic Subsidiaries (100% owned)	Tishman Construction Corporation, a Delaware Corporation (FEIN: 13-4012829)	321 West 44th Street New York, NY 10036
AECOM Technical Services, Inc. Domestic Affiliates (not 100% owned)	Commonwealth Engineering & Construction, LLC, (Texas) (FEIN: 43-2019385) (18.3% owned)	10255 Richmond Ave, Suite 200 Houston, TX 77042
AECOM Technical Services, Inc. Foreign Subsidiaries (100% owned)	Grupo Rust International di Venezuela C.A. (Venezuela)	
AECOM Technical Services, Inc. Foreign Affiliates (not 100% owned)	Shanghai Earth Tech Eng. Cons. Co. Ltd. (China) (48% owned by ATS)	
AECOM Technical Services, Inc. Foreign Affiliates (not 100% owned)	AECOM INGENIERIA S.A. de C.V. (Mexico) (99% owned by ATS)	

ATTACHMENT NO. 3.2.7(a)

**CERTIFICATION REGARDING DEBARMENT
PRIMARY COVERED TRANSACTIONS**

Project No.: 0095-100-722, 1395-100-736

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

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

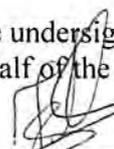
b) Have not within a three-year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State or local) transaction or contract under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

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

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

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

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


Signature

04/23/12
Date

Managing Director
Title

FAI CONSTRUCTORS
Name of Firm

ATTACHMENT NO. 3.2.7(a)

**CERTIFICATION REGARDING DEBARMENT
PRIMARY COVERED TRANSACTIONS**

Project No.: 0095-100-722, 1395-100-736

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

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

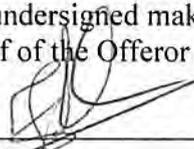
b) Have not within a three-year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State or local) transaction or contract under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

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

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

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

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


Signature _____ Date 04/23/12 Title MANAGING DIRECTOR

FA SOUTHEAST LLC.
Name of Firm _____

ATTACHMENT NO. 3.2.7(a)

**CERTIFICATION REGARDING DEBARMENT
PRIMARY COVERED TRANSACTIONS**

Project No.: 0095-100-722, I395-100-736

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

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

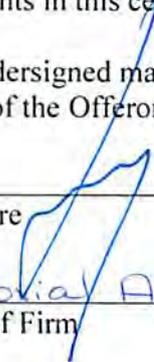
b) Have not within a three-year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State or local) transaction or contract under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

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

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

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

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

Signature  Date 04/23/12 Title Managing Director US
Name of Firm Ferrovial Agroman S.A.

ATTACHMENT NO. 3.2.7(a)

**CERTIFICATION REGARDING DEBARMENT
PRIMARY COVERED TRANSACTIONS**

Project No.: 0095-100-722, 1395-100-736

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

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

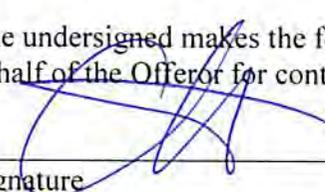
b) Have not within a three-year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State or local) transaction or contract under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

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

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

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

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



Signature

April 27, 2012

Date

Vice President/General Manager

Title

American Infrastructure-VA, Inc.

Name of Firm

ATTACHMENT NO. 3.2.7(a)

**CERTIFICATION REGARDING DEBARMENT
PRIMARY COVERED TRANSACTIONS**

Project No.: 0095-100-722, I395-100-736

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

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

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

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

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

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

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

Dale R. Wilson 4/24/12 President
Signature Date Title

Allan A. Myers, LP
Name of Firm

ATTACHMENT NO. 3.2.7(a)

**CERTIFICATION REGARDING DEBARMENT
PRIMARY COVERED TRANSACTIONS**

Project No.: 0095-100-722, I395-100-736

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

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

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

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

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

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

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

Dale R. Wilson 4/24/12 President
Signature Date Title

American Infrastructure-MD, Inc.
Name of Firm

ATTACHMENT NO. 3.2.7(b)

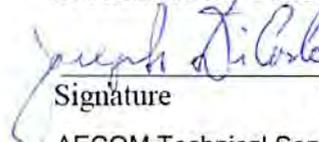
**CERTIFICATION REGARDING DEBARMENT
LOWER TIER COVERED TRANSACTIONS**

Project No.: 0095-100-722, 1395-100-736

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

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

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

	March 29, 2012	Vice President
Signature	Date	Title
AECOM Technical Services, Inc.		
Name of Firm		

ATTACHMENT NO. 3.2.7(b)

**CERTIFICATION REGARDING DEBARMENT
LOWER TIER COVERED TRANSACTIONS**

Project No.: 0095-100-722, 1395-100-736

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

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

[Handwritten Signature] 3/29/12 BRANCH MGR
Signature Date Title

AMSC ENVIRONMENT & INFRASTRUCTURE, INC.
Name of Firm

ATTACHMENT NO. 3.2.7(b)

**CERTIFICATION REGARDING DEBARMENT
LOWER TIER COVERED TRANSACTIONS**

Project No.: 0095-100-722, I395-100-736

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

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

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

<u>Bruce D. McLeod</u>	<u>4/16/12</u>	<u>Sr. V. P.</u>
Signature	Date	Title
<u>Commonwealth Consultants</u>		
Name of Firm		

ATTACHMENT NO. 3.2.7(b)

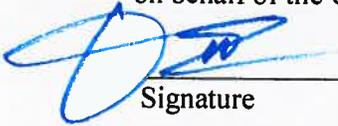
**CERTIFICATION REGARDING DEBARMENT
LOWER TIER COVERED TRANSACTIONS**

Project No.: 0095-100-722, 1395-100-736

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

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

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



Signature

4/12/2012
Date

Vice President/Principal
Title

ECS Mid-Atlantic, LLC

Name of Firm

ATTACHMENT NO. 3.2.7(b)

**CERTIFICATION REGARDING DEBARMENT
LOWER TIER COVERED TRANSACTIONS**

Project No.: 0095-100-722, 1395-100-736

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

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

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

 4/13/2012 President
Signature Date Title

Froehling & Robertson, Inc.
Name of Firm

ATTACHMENT NO. 3.2.7(B)

**CERTIFICATION REGARDING DEBARMENT
LOWER TIER COVERED TRANSACTIONS**

Project: 0095-100-722, 1395-100-736

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

April 16, 2012
Date

President
Title

KDR Real Estate Services , Inc.
Name of Firm

ATTACHMENT NO. 3.2.7(b)

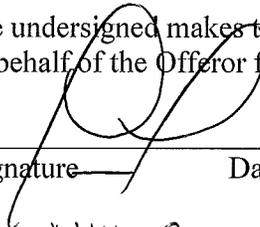
**CERTIFICATION REGARDING DEBARMENT
LOWER TIER COVERED TRANSACTIONS**

Project No.: 0095-100-722, I395-100-736

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

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

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

 4/8/12 President
Signature Date Title

NXL Construction Services, Inc.
Name of Firm

ATTACHMENT NO. 3.2.7(b)

**CERTIFICATION REGARDING DEBARMENT
LOWER TIER COVERED TRANSACTIONS**

Project No.: 0095-100-722, I395-100-736

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

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

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

Marianne J. Guy April 25, 2012 President
Signature Date Title

Precision Measurements, Inc.
Name of Firm

F989
F A SOUTHEAST LLC
PREQ. EXP : 05/31/2013

--PREQ ADDRESS -----	-- WORK CLASSES -----
1230 PEACHTREE STREET, N.E.	004 - ASPHALT CONCRETE PAVING
ATLANTA, GA 30309	011 - CLEARING AND GRUBBING
PHONE : 404-942-2472	036 - SOIL STABILIZATION
	171 - SURFACE TREATMENT

BUSINESS CONTACT: PASCUAL, FRANCISCO JAVIER
EMAIL: JPASCUAL@FERROVIAL.US.COM

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

DBE TYPE : N/A
DBE CONTACT: N/A
DBE/WBE EXP: N/A

=====

<http://www.virginiadot.org/business/resources/prequalified-list.pdf>

=====
G303
AMERICAN INFRASTRUCTURE-VA, INC.
PREQ. EXP : 01/31/2013

--PREQ ADDRESS -----	-- WORK CLASSES -----
301 CONCOURSE BLVD	002 - GRADING
SUITE 300	003 - MAJOR STRUCTURES
GLEN ALLEN, VA 23059	004 - BITUMINOUS CONCRETE PAVING
PHONE : 804-290-8500	007 - MINOR STRUCTURES
FAX : 804-418-7935	013 - ROADWAY PLANNING
	171 - SURFACE TREATMENT

BUSINESS CONTACT: THURSTON, GINA
EMAIL: GINA.THURSTON@AMERICANINFRASTRUCTURE.COM

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

DBE TYPE : N/A
DBE CONTACT: N/A
DBE/WBE EXP: N/A

=====
A426
AMERICAN LIGHTING & SIGNALIZATION, INC.
PREQ. EXP : 01/31/2012

--PREQ ADDRESS -----	-- WORK CLASSES -----
708 BLAIR MILL RD	018 - ELECTRICAL INSTALLATION
WILLOW GROVE, PA 19090-0000	052 - TRAFFIC SIGNAL
PHONE : 215-784-1411	072 - ROADWAY LIGHTING
FAX : 215-784-1408	

BUSINESS CONTACT: RHEA, SCOTT GERARD
EMAIL: SRHEA@ASPLUNDH.COM

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

DBE TYPE : N/A
DBE CONTACT: N/A
DBE/WBE EXP: N/A

=====



RE: JV Vendor Number 063 - FAI Constructors - for the I395 Project (due Friday April 27th) 

Gina Thurston to: Prequalification (VDOT)

04/26/2012 03:07 PM

Cc: David.Nardon, "Lucas, Suzanne F. (VDOT)", "Arel, William D., P.E. (VDOT)"

Suzanne - Thank you so much for providing us with a JV Number (063). Please see requested info attached.

Aaron Myers
Buss: 804-290-8500 Fax 610-222-3366



Aaron Myers DL.pdf

Ignacio Vivancos
Buss: 512-637-8587 Fax : 512-637-1499



Ignacio Vivancos DL.pdf

Thanks again Suzanne.

Georgina L. Thurston | Administrative Assistant to Aaron Myers
American Infrastructure | **2011 ABC Contractor of the Year**
301 Concourse Blvd, Suite 300, Glen Allen VA 23059
T 804-290-8524 | M 571-437-4335
www.americaninfrastructure.com

"Prequalification (VDOT)"

JV number will be forth coming next wee...

04/26/2012 02:08:28 PM

From: "Prequalification (VDOT)" <Prequalification@VDOT.Virginia.gov>
To: <Gina.Thurston@americaninfrastructure.com>, "Prequalification (VDOT)" <Prequalification@VDOT.Virginia.gov>
Cc: <David.Nardon@aamyers.com>, "Arel, William D., P.E. (VDOT)" <William.Arel@VDOT.Virginia.gov>
Date: 04/26/2012 02:08 PM
Subject: RE: JV Vendor Number Request - FAI Constructors - for the I395 Project (due Friday April 27th)
Sent by: "Lucas, Suzanne F. (VDOT)" <SFR.Lucas@VDOT.Virginia.gov>

JV number will be forth coming next week. I will also need copies of Drivers Licenses
Contact Phone & Fax numbers
Thanks

Suzanne Lucas
Prequalification Officer
Construction Division
Virginia Department of Transportation

1401 East Broad Street
Richmond, Virginia 23219
(804)-786-2941
Email: Prequalification@VDOT.Virginia.gov
Webpage: <http://www.virginiadot.org/business/const/prequal.asp>

-----Original Message-----

From: Gina.Thurston@americaninfrastructure.com [
<mailto:Gina.Thurston@americaninfrastructure.com>]
Sent: Wednesday, April 25, 2012 3:13 PM
To: Prequalification (VDOT)
Cc: David.Nardon@aamyers.com; Lucas, Suzanne F. (VDOT)
Subject: RE: JV Vendor Number Request - FAI Constructors - for the I395
Project (due Friday April 27th)

Thank you Suzanne. The VDOT contact is below. Can you copy me when you inform him?

Bill Arel, P.E.

Senior Project Delivery Engineer
Alternate Project Delivery
(804)-786-7428
William.Arel@VDOT.Virginia.gov

Georgina L. Thurston | Administrative Assistant to Aaron Myers
American Infrastructure | 2011 ABC Contractor of the Year
301 Concourse Blvd, Suite 300, Glen Allen VA 23059
T 804-290-8524 | M 571-437-4335
www.americaninfrastructure.com

From: "Prequalification (VDOT)" <Prequalification@VDOT.Virginia.gov>
To: <Gina.Thurston@americaninfrastructure.com>
Cc: <David.Nardon@aamyers.com>
Date: 04/25/2012 03:01 PM
Subject: RE: JV Vendor Number Request - FAI Constructors - for the I395
Project (due Friday April 27th)
Sent by: "Lucas, Suzanne F. (VDOT)" <SFR.Lucas@VDOT.Virginia.gov>

Please give me the VDOT Contact for this SOQ & I will inform them your firm has made the request & is being processed.

WILLIS OF NEW YORK, INC.

April 27, 2012

Direct Line: (212) 915-7729
E-mail: Rosalie.moresco@willis.com

Bill Arel, P.E.
Alternate Project Delivery Office
Virginia Department of Transportation
1401 East Broad Street
Richmond, VA 23219

**Re: Virginia Department of Transportation
REQUEST FOR QUALIFICATIONS
A DESIGN-BUILD PROJECT
I-395 HOV Ramp at Seminary Road
I-395 NB Auxiliary Lane Extension
City of Alexandria, Virginia
State Project No.: 0095-100-722, I395-100-736
Contract ID Number: C00096261DB50**

Dear Mr. Arel,

We the undersigned sureties are pleased to provide surety support for the proposed Team of **FA Southeast LLC** (Team member with the primary responsibility for Design and Construction as defined in this RFQ) and **American Infrastructure-VA, Inc.** (hereafter **Proposer**). All of us are listed sureties in Federal Register Circular 570, have A M Best ratings of AXV or higher, and are licensed sureties in the State of Virginia.

We have read the referenced RFQ and we believe this Proposer is well qualified to perform the referenced project, and 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.

Should you award a contract to this Proposer, we fully anticipate being in a position to provide the required performance and payment bonds, subject to our review and approval of the contract terms and conditions, and the application of such other underwriting criteria as are pertinent at the time said bonds are requested by the Proposer. The arrangement for bonds in this case, and in others, is a matter solely between ourselves and the Proposer and we assume no liability to you or to other third parties by the issuance of this letter.

We hold this Proposer in the highest possible regard and recommend it to you for every possible consideration. If we can provide further assurance or assistance please do not hesitate to contact us.

American Home Assurance Company A XV
Zurich American Insurance Company A+ XV
Fidelity & Deposit Company of Maryland A+ XV
Liberty Mutual Insurance Company A XV
XL Specialty Insurance Company A XV
Greenwich Insurance Company A XV

By _____

Stacy Rivera, Attorney in fact

Willis of New York, Inc.
One World Financial Center
200 Liberty Street, 6th Floor
New York, NY 10261

POWER OF ATTORNEY

American Home Assurance Company
National Union Fire Insurance Company of Pittsburgh, PA.
Principal Bond Office: 175 Water Street, New York, NY 10038

Power No. 31654

No. 01-B-50609

KNOW ALL MEN BY THESE PRESENTS:

That American Home Assurance Company, a New York corporation, and National Union Fire Insurance Company of Pittsburgh, PA., a Pennsylvania corporation, does each hereby appoint

---Jeannette Porrini, Stacy Rivera, Theresa Magowan, Traci Popovich, Irene Roberts, Sue Saunders: of Hartford, Connecticut---

its true and lawful Attorney(s)-in-Fact, with full authority to execute on its behalf bonds, undertakings, recognizances and other contracts of indemnity and writings obligatory in the nature thereof, issued in the course of its business, and to bind the respective company thereby.

IN WITNESS WHEREOF, American Home Assurance Company and National Union Fire Insurance Company of Pittsburgh, PA. have each executed these presents

this 21st day of January, 2011



[Signature of Anthony Romano]

Anthony Romano, Vice President

STATE OF NEW YORK }
COUNTY OF NEW YORK } ss.

On this 21st day of January, 2011 before me came the above named officer of American Home Assurance Company and National Union Fire Insurance Company of Pittsburgh, PA., to me personally known to be the individual and officer described herein, and acknowledged that he executed the foregoing instrument and affixed the seals of said corporations thereto by authority of his office.

[Signature of Juliana E. Hallenbeck]

JULIANA HALLENBECK
Notary Public - State of New York
No. 01HAB125871
Qualified in Bronx County
My Commission Expires April 18, 2013

CERTIFICATE

Exerpts of Resolutions adopted by the Boards of Directors of American Home Assurance Company and National Union Fire Insurance Company of Pittsburgh, PA. on May 18, 1976:

"RESOLVED, that the Chairman of the Board, the President, or any Vice President be, and hereby is, authorized to appoint Attorneys-in-Fact to represent and act for and on behalf of the Company to execute bonds, undertakings, recognizances and other contracts of indemnity and writings obligatory in the nature thereof, and to attach thereto the corporate seal of the Company, in the transaction of its surety business;

"RESOLVED, that the signatures and attestations of such officers and the seal of the Company may be affixed to any such Power of Attorney or to any certificate relating thereto by facsimile, and any such Power of Attorney or certificate bearing such facsimile signatures or facsimile seal shall be valid and binding upon the Company when so affixed with respect to any bond, undertaking, recognizance and other contract of indemnity and writing obligatory in the nature thereof;

"RESOLVED, that any such Attorney-in-Fact delivering a secretarial certification that the foregoing resolutions still be in effect may insert in such certification the date thereof, said date to be not later than the date of delivery thereof by such Attorney-in-Fact."

I, Andrew Holland, Secretary of American Home Assurance Company and of National Union Fire Insurance Company of Pittsburgh, PA. do hereby certify that the foregoing exerpts of Resolutions adopted by the Boards of Directors of these corporations, and the Powers of Attorney issued pursuant thereto, are true and correct, and that both the Resolutions and the Powers of Attorney are in full force and effect.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the facsimile seal of each corporation

this 27th day of April, 2012



[Signature of Andrew Holland]

Andrew Holland, Secretary

ZURICH AMERICAN INSURANCE COMPANY

POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS, that the ZURICH AMERICAN INSURANCE COMPANY, a corporation created by and existing under the laws of the State of New York does hereby nominate, constitute and appoint Jeannette PORRINI and Stacy RIVERA, both of Hartford, Connecticut, EACH its true and lawful Attorneys-In-Fact with power and authority hereby conferred to sign, seal, and execute in its behalf, during the period beginning with the date of issuance of this power. : any and all bonds and undertakings, recognizances or other written obligations in the nature thereof, and to bind ZURICH AMERICAN INSURANCE COMPANY thereby, and all of the acts of said Attorney[s]-in-Fact pursuant to these presents are hereby ratified and confirmed. This Power of Attorney is made and executed pursuant to and by the authority of the following By-Law duly adopted by the Board of Directors of the Company which By-Law has not been amended or rescinded.

Article VI, Section 5. "...The President or a Vice President in a written instrument attested by a Secretary or an Assistant Secretary may appoint any person Attorney-In-Fact with authority to execute surety bonds on behalf of the Company and other formal underwriting contracts in reference thereto and reinsurance agreements relating to individual policies and bonds of all kinds and attach the corporate seal. Any such officers may revoke the powers granted to any Attorney-In-Fact."

This Power of Attorney is signed and sealed by facsimile under and by the authority of the following Resolution adopted by the Board of Directors of the ZURICH AMERICAN INSURANCE COMPANY by unanimous consent in lieu of a special meeting dated December 15, 1998

" RESOLVED, that the signature of the President or a Vice President and the attesting signature of a Secretary or an Assistant Secretary and the seal of the Company may be affixed by facsimile on any Power of Attorney pursuant to Article VI, Section 5 of the By-Laws, and the signature of a Secretary or an Assistant Secretary and the seal of the Company may be affixed by facsimile to any certificate of any such power. Any such power or any certificate thereof with such facsimile signature and seal shall be valid and binding on the Company. Furthermore, such power so executed, sealed and certified by certificate so executed and sealed shall, with respect to any bond or undertaking to which it is attached, shall continue to be valid and binding on the Company."

IN WITNESS WHEREOF, the ZURICH AMERICAN INSURANCE COMPANY has caused these presents to be executed in its name and on its behalf and its Corporate Seal to be hereunto affixed and attested by its officers thereunto duly authorized, this 1st day of February, A.D. 2011. This power of attorney revokes that issued on behalf of Jeannette PORRINI, Stacy RIVERA, dated August 6, 2004.



ZURICH AMERICAN INSURANCE COMPANY

Gregory E. Murray

Theodore G. Martinez

STATE OF MARYLAND }
CITY OF BALTIMORE }

SS:

Gregory E. Murray

Secretary

By:

Theodore G. Martinez

Vice President

On the 1st day of February, A.D. 2011, before the subscriber, a Notary Public of the State of Maryland, duly commissioned and qualified, came the above named Vice President and Secretary of ZURICH AMERICAN INSURANCE COMPANY, to me personally known to be the individuals and officers described in and who executed the preceding instrument and they each acknowledged the execution of the same and being by me duly sworn, they severally and each for himself deposed and said that they respectively hold the offices in said Corporation as indicated, that the Seal affixed to the preceding instrument is the Corporate Seal of said Corporation, and that the said Corporate Seal, and their respective signature as such officers, were duly affixed and subscribed to the said instrument pursuant to all due corporate authorization.

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



Maria D. Walsh

Notary Public

My Commission Expires: July 8, 2015

This Power of Attorney limits the acts of those named therein to the bonds and undertaking specifically named therein, and they have no authority to bind the Company except in the manner and to the extent herein stated.

CERTIFICATE

I, the undersigned, a Secretary of the ZURICH AMERICAN INSURANCE COMPANY, do hereby certify that the foregoing Power of Attorney is still in full force and effect, and further certify that Article VI, Section 5 of the By-Laws of the Company and the Resolution of the Board of Directors set forth in said Power of Attorney are still in force.

IN TESTIMONY WHEREOF I have hereto subscribed my name and affixed the seal of said Company

Gerald F. Haley

Gerald F. Haley

Secretary



the 27th day of April, 2012

EXTRACT FROM BY-LAWS OF FIDELITY AND DEPOSIT COMPANY OF MARYLAND

"Article VI, Section 2. The Chairman of the Board, or the President, or any Executive Vice-President, or any of the Senior Vice-Presidents or Vice-Presidents specially authorized so to do by the Board of Directors or by the Executive Committee, shall have power, by and with the concurrence of the Secretary or any one of the Assistant Secretaries, to appoint Resident Vice-Presidents, Assistant Vice-Presidents and Attorneys-in-Fact as the business of the Company may require, or to authorize any person or persons to execute on behalf of the Company any bonds, undertaking, recognizances, stipulations, policies, contracts, agreements, deeds, and releases and assignments of judgements, decrees, mortgages and instruments in the nature of mortgages,....and to affix the seal of the Company thereto."

EXTRACT FROM BY-LAWS OF COLONIAL AMERICAN CASUALTY AND SURETY COMPANY

"Article VI, Section 2. The Chairman of the Board, or the President, or any Executive Vice-President, or any of the Senior Vice-Presidents or Vice-Presidents specially authorized so to do by the Board of Directors or by the Executive Committee, shall have power, by and with the concurrence of the Secretary or any one of the Assistant Secretaries, to appoint Resident Vice-Presidents, Assistant Vice-Presidents and Attorneys-in-Fact as the business of the Company may require, or to authorize any person or persons to execute on behalf of the Company any bonds, undertaking, recognizances, stipulations, policies, contracts, agreements, deeds, and releases and assignments of judgements, decrees, mortgages and instruments in the nature of mortgages,....and to affix the seal of the Company thereto."

CERTIFICATE

I, the undersigned, Assistant Secretary of the FIDELITY AND DEPOSIT COMPANY OF MARYLAND, and the COLONIAL AMERICAN CASUALTY AND SURETY COMPANY, do hereby certify that the foregoing Power of Attorney is still in full force and effect on the date of this certificate; and I do further certify that the Vice-President who executed the said Power of Attorney was one of the additional Vice-Presidents specially authorized by the Board of Directors to appoint any Attorney-in-Fact as provided in Article VI, Section 2, of the respective By-Laws of the FIDELITY AND DEPOSIT COMPANY OF MARYLAND, and the COLONIAL AMERICAN CASUALTY AND SURETY COMPANY.

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

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

IN TESTIMONY WHEREOF, I have hereunto subscribed my name and affixed the corporate seals of the said Companies,

this 27th day of April, 2012.



Assistant Secretary

**Power of Attorney
FIDELITY AND DEPOSIT COMPANY OF MARYLAND
COLONIAL AMERICAN CASUALTY AND SURETY COMPANY**

KNOW ALL MEN BY THESE PRESENTS: That the FIDELITY AND DEPOSIT COMPANY OF MARYLAND, and the COLONIAL AMERICAN CASUALTY AND SURETY COMPANY, corporations of the State of Maryland, by FRANK E. MARTIN JR., Vice President, and GERALD F. HALEY, Assistant Secretary, in pursuance of authority granted by Article VI, Section 2, of the By-Laws of said Companies, which are set forth on the reverse side hereof and are hereby certified to be in full force and effect on the date hereof, does hereby nominate, constitute and appoint **Jeannette PORRINI, Stacy RIVERA and Aiza LOPEZ, all of Hartford, Connecticut, EACH** its true and lawful agent and Attorney-in-Fact, to make, execute, seal and deliver, for, and on its behalf as surely, and as its act and deed: **any and all bonds and undertakings**, and the execution of such bonds or undertakings in pursuance of these presents, shall be as binding upon said Companies, as fully and amply, to all intents and purposes, as if they had been duly executed and acknowledged by the regularly elected officers of the Company at its office in Baltimore, Md., in their own proper persons. This power of attorney revokes that issued on behalf of Jeannette PORRINI, Stacy RIVERA, dated December 29, 2009.

The said Assistant Secretary does hereby certify that the extract set forth on the reverse side hereof is a true copy of Article VI, Section 2, of the By-Laws of said Companies, and is now in force.

IN WITNESS WHEREOF, the said Vice-President and Assistant Secretary have hereunto subscribed their names and affixed the Corporate Seals of the said FIDELITY AND DEPOSIT COMPANY OF MARYLAND, and the COLONIAL AMERICAN CASUALTY AND SURETY COMPANY, this 9th day of November, A.D. 2011.

ATTEST:

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



Gerald F. Haley

Gerald F. Haley Assistant Secretary

By:

Frank E. Martin Jr.

Frank E. Martin Jr. Vice President

State of Maryland }
City of Baltimore } ss:

On this 9th day of November, A.D. 2011, before the subscriber, a Notary Public of the State of Maryland, duly commissioned and qualified, came FRANK E. MARTIN JR., Vice President, and GERALD F. HALEY, Assistant Secretary of the FIDELITY AND DEPOSIT COMPANY OF MARYLAND, and the COLONIAL AMERICAN CASUALTY AND SURETY COMPANY, to me personally known to be the individuals and officers described in and who executed the preceding instrument, and they each acknowledged the execution of the same, and being by me duly sworn, severally and each for himself deposeth and saith, that they are the said officers of the Companies aforesaid, and that the seals affixed to the preceding instrument is the Corporate Seals of said Companies, and that the said Corporate Seals and their signatures as such officers were duly affixed and subscribed to the said instrument by the authority and direction of the said Corporations.

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



Constance A. Dunn

Constance A. Dunn Notary Public
My Commission Expires: July 14, 2015

THIS POWER OF ATTORNEY IS NOT VALID UNLESS IT IS PRINTED ON RED BACKGROUND.

4742065

This Power of Attorney limits the acts of those named herein, and they have no authority to bind the Company except in the manner and to the extent herein stated.

LIBERTY MUTUAL INSURANCE COMPANY
BOSTON, MASSACHUSETTS
POWER OF ATTORNEY

KNOW ALL PERSONS BY THESE PRESENTS: That Liberty Mutual Insurance Company (the "Company"), a Massachusetts stock insurance company, pursuant to and by authority of the By-law and Authorization hereinafter set forth, does hereby name, constitute and appoint ROSALIE A. MORESCO, PATRICIA O'CONNELL, FRANCIS M. MCGARRY, ANN MARIE TINERINO, JEAN O'BRIEN, MARTIN J. LYONS, JEANNETTE PORRINI, STACY RIVERA, ALL OF THE CITY OF NEW YORK, STATE OF NEW YORK.....

....., each individually if there be more than one named, its true and lawful attorney-in-fact to make, execute, seal, acknowledge and deliver, for and on its behalf as surety and as its act and deed, any and all undertakings, bonds, recognizances and other surety obligations in the penal sum not exceeding FIVE HUNDRED MILLION AND 00/100..... DOLLARS (\$ 500,000,000.00.....) each, and the execution of such undertakings, bonds, recognizances and other surety obligations, in pursuance of these presents, shall be as binding upon the Company as if they had been duly signed by the president and attested by the secretary of the Company in their own proper persons.

That this power is made and executed pursuant to and by authority of the following By-law and Authorization:

ARTICLE XIII - Execution of Contracts: Section 5. Surety Bonds and Undertakings.

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

By the following instrument the chairman or the president has authorized the officer or other official named therein to appoint attorneys-in-fact:

Pursuant to Article XIII, Section 5 of the By-Laws, David M. Carey, Assistant Secretary of Liberty Mutual Insurance Company, is hereby authorized to appoint such attorneys-in-fact as may be necessary to act in behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations.

That the By-law and the Authorization set forth above are true copies thereof and are now in full force and effect.

IN WITNESS WHEREOF, this Power of Attorney has been subscribed by an authorized officer or official of the Company and the corporate seal of Liberty Mutual Insurance Company has been affixed thereto in Plymouth Meeting, Pennsylvania this day of 1st day of August, 2011.



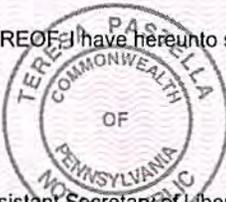
LIBERTY MUTUAL INSURANCE COMPANY

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

COMMONWEALTH OF PENNSYLVANIA ss
COUNTY OF MONTGOMERY

On this 1st day of August, 2011, before me, a Notary Public, personally came David M. Carey, to me known, and acknowledged that he is an Assistant Secretary of Liberty Mutual Insurance Company; that he knows the seal of said corporation; and that he executed the above Power of Attorney and affixed the corporate seal of Liberty Mutual Insurance Company thereto with the authority and at the direction of said corporation.

IN TESTIMONY WHEREOF, I have hereunto subscribed my name and affixed my notarial seal at Plymouth Meeting, Pennsylvania, on the day and year first above written.



Notarial Seal
Teresa Pastella, Notary Public
Plymouth Twp., Montgomery County
My Commission Expires Mar. 28, 2013
Member, Pennsylvania Association of Notaries

By Teresa Pastella
Teresa Pastella, Notary Public

CERTIFICATE

I, the undersigned, Assistant Secretary of Liberty Mutual Insurance Company, do hereby certify that the original power of attorney of which the foregoing is a full, true and correct copy, is in full force and effect on the date of this certificate; and I do further certify that the officer or official who executed the said power of attorney is an Assistant Secretary specially authorized by the chairman or the president to appoint attorneys-in-fact as provided in Article XIII, Section 5 of the By-laws of Liberty Mutual Insurance Company.

This certificate and the above power of attorney may be signed by facsimile or mechanically reproduced signatures under and by authority of the following vote of the board of directors of Liberty Mutual Insurance Company at a meeting duly called and held on the 12th day of March, 1980.

VOTED that the facsimile or mechanically reproduced signature of any assistant secretary of the company, wherever appearing upon a certified copy of any power of attorney issued by the company in connection with surety bonds, shall be valid and binding upon the company with the same force and effect as though manually affixed.

IN TESTIMONY WHEREOF, I have hereunto subscribed my name and affixed the corporate seal of the said company, this 27th day of April, 2012.



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

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

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



Power of Attorney
 XL Specialty Insurance Company
 Greenwich Insurance Company
 XL Reinsurance America Inc.

THIS IS NOT A BOND NUMBER
 UNLIMITED POWER OF ATTORNEY
 XL 131345

KNOW ALL MEN BY THESE PRESENTS: That XL Specialty Insurance Company, Greenwich Insurance Company, Delaware insurance companies with offices located at 505 Eagleview Blvd., Exton, PA 19341, and XL Reinsurance America Inc., a New York insurance company with offices located at 70 Seaview Avenue, Stamford, CT 06902, do hereby nominate, constitute, and appoint:

Elana A. Sanchez, Stacy Rivera, Jeannette Porrini

each its true and lawful Attorney(s)-in-fact to make, execute, attest, seal and deliver for and on its behalf, as surety, and as its act and deed, where required, any and all bonds and undertakings in the nature thereof, for the penal sum of no one of which is in any event to exceed \$UNLIMITED.00.

Such bonds and undertakings, when duly executed by the aforesaid Attorney (s) - in - Fact shall be binding upon each said Company as fully and to the same extent as if such bonds and undertakings were signed by the President and Secretary of the Company and sealed with its corporate seal.

The Power of Attorney is granted and is signed by facsimile under and by the authority of the following Resolutions adopted by the Board of Directors of each of the Companies on the 15th day of March 2011.

RESOLVED, that Gary Kaplan, David Hewett, William Mills, Gregory Boal and Kevin Mirsch are hereby appointed by the Board as authorized to make, execute, seal and deliver for and on behalf of the Company, any and all bonds, undertakings, contracts or obligations in surety or co-surety with others and that the Secretary or any Assistant Secretary of the Company be and that each of them hereby is authorized to attest the execution of any such bonds, undertakings, contracts or obligations in surety or co-surety and attach thereto the corporate seal of the Company.

RESOLVED, FURTHER, that Gary Kaplan, David Hewett, William Mills, Gregory Boal and Kevin Mirsch each is hereby authorized to execute powers of attorney qualifying the attorney named in the given power of attorney to execute, on behalf of the Company, bonds and undertakings in surety or co-surety with others, and that the Secretary or any Assistant Secretary of the Company be, and that each of them is hereby authorized to attest the execution of any such power of attorney, and to attach thereto the corporate seal of the Company.

RESOLVED, FURTHER, that the signature of such officers named in the preceding resolutions and the corporate seal of the Company may be affixed to such powers of attorney or to any certificate relating thereto by facsimile, and any such power of attorney or certificate bearing such facsimile signatures or facsimile seal shall be thereafter valid and binding upon the Company with respect to any bond, undertaking, contract or obligation in surety or co-surety with others to which it is attached.

IN WITNESS WHEREOF, the XL SPECIALTY INSURANCE COMPANY has caused its corporate seal to be hereunto affixed, and these presents to be signed by its duly authorized officers this April 11th, 2011.



**XL SPECIALTY INSURANCE COMPANY
 GREENWICH INSURANCE COMPANY**

by:

David S. Hewett

SENIOR VICE PRESIDENT

Attest:

Toni Ann Perkins

SECRETARY

STATE OF CONNECTICUT
 COUNTY OF FAIRFIELD

On this 11th day of April, 2011, before me personally came David S. Hewett to me known, who, being duly sworn, did depose and say: that he is Senior Vice President of XL SPECIALTY INSURANCE COMPANY and GREENWICH INSURANCE COMPANY, described in and which executed the above instrument; that he knows the seals of said Companies; that the seals affixed to the aforesaid instrument is such corporate seals and were affixed thereto by order and authority of the Boards of Directors of said Companies; and that he executed the said instrument by like order.



Kim D. Sliva

NOTARY PUBLIC

STATE OF CONNECTICUT
COUNTY OF FAIRFIELD

I, Toni Ann Perkins, Secretary of the XL SPECIALTY INSURANCE COMPANY a corporation of the State of Delaware, do hereby certify that the above and forgoing is a full, true and correct copy of Power of Attorney issued by said Company, and that I have compared same with the original and that it is a correct transcript therefrom and of the whole of the original and that the said Power of Attorney is still in

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the seal of said Corporation, at the City of Hartford, this 27th day of April 2012.



Toni Ann Perkins
SECRETARY

IN WITNESS WHEREOF, XL REINSURANCE AMERICA INC. has caused its corporate seal to be hereunto affixed, and these presents to be signed by its duly authorized officers this 11th day of April, 2011.



XL REINSURANCE AMERICA INC.

by:

John P. Welch

SENIOR VICE PRESIDENT

Attest:

Toni Ann Perkins

SECRETARY

STATE OF CONNECTICUT
COUNTY OF FAIRFIELD

On this 11th day of April, 2011, before me personally came John P. Welch to me known, who, being duly sworn, did depose and say: that he is President & CEO of XL REINSURANCE AMERICA INC., described in which executed the above instrument; that he knows the seal of said Corporation; that the seal affixed to the aforesaid instrument is such corporate seal and was affixed thereto by order and authority of the Board of Directors of said Corporation, and that he executed the said instrument by like order.



Kim D. Sliva

NOTARY PUBLIC

STATE OF CONNECTICUT
COUNTY OF FAIRFIELD

I, Toni Ann Perkins, Assistant Secretary of the XL REINSURANCE AMERICA INC. a corporation of the State of New York, do hereby certify that the person who executed this Power of Attorney, with the rights, respectively of XL REINSURANCE AMERICA INC., the above and forgoing is a full, true and correct copy of a Power of Attorney issued by said Corporation, and that I have compared samewith the original

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the seal of said Corporation, at the City of _____, this ____ day of _____



Toni Ann Perkins
SECRETARY

This Power of Attorney may not be used to execute any bond with an inception date after

April 11, 2016

THIS DOCUMENT IS PRINTED ON A BLUE BACKGROUND

Joint Venture Bidding Agreement

FA Southeast LLC

And

American Infrastructure-VA, Inc.

This Joint Venture Bidding Agreement is entered into between **FA Southeast LLC** located at **1230 Peachtree Street NE, #1920 Atlanta, VA 30309** and **American Infrastructure-VA, Inc.** located at **301 Concourse Blvd Suite 300 Glen Allen VA 23059**, on this 25th day of April, 2012 as the Joint Venture Name: **FAI Constructors**
The Joint Venture will be using the following Tax Id # **54-0836881**.

The purpose of this Joint Venture is to bid on upon a solicitation/Contract issued by **The Virginia Department of Transportation**, and if successfully awarded to provide services as listed under the contract.

FA Southeast, LLC, the Managing Venturer, will submit all required bid documents and act as point of contact on behalf of this Joint Venture during the bidding process.

Venturer: **FA Southeast, LLC**

Vendor #: **F989**

Authorized Signature: _____

Date: _____

04/26/12

Printed Name: (First, Middle, Last names spelled out) **Jose Penalver**

Title: **Officer**

Drivers License #/State Issued: **057712392/GA**

Joint Venturer: **American Infrastructure-VA, Inc.** Vendor #: **G303**

Authorized Signature: _____

Date: _____

4/26/12

Printed Full Legal Name: (First, Middle, Last names spelled out): **Aaron Troy Myers**

Title: **Vice President/General Manager**

Drivers License #/State Issued: **A66041059/VA**

State of **Virginia**

County of **Henrico**

On this **26** day of **April** 20 **12**, before me, the undersigned officer(s), personally appeared **Jose Penalver** and **Aaron Myers**, known to me (or satisfactorily proven) to be the person(s) whose name(s) are subscribed to within the instrument and acknowledged that they executed the same for the purposes therein contained.

In witness whereof I hereunto set my hand and official seal.

Notary Public _____

Printed Name **Georgina Thurston**

My commission expires **1/3/16**



ATTACHMENT 3.2.10

State Project No. 0095-100-722, I395-100-736

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 3.2.9 and that all businesses and individuals listed are active and in good standing.

SCC & DPOR INFORMATION FOR BUSINESSES (RFQ Sections 3.2.9.1 and 3.2.9.2)							
Business Name	SCC Information (3.2.9.1)			DPOR Information (3.2.9.2)			
	SCC Number	SCC Type of Corporation	SCC Status	DPOR Registered Address	DPOR Registration Type	DPOR Registration Number	DPOR Expiration Date
AECOM Technical Services, Inc.	F1078502	Foreign Corporation	Active	4840 Cox Road Glen Allen, VA 23060	Eng	0407003153	12-31-2013
AECOM Technical Services, Inc.	F1078502	Foreign Corporation	Active	2101 Wilson Boulevard 8th Floor Arlington, VA 22201	Arc, Eng	0411000776	02-28-2014
American Infrastructure – VA, Inc.	01137801	Corporation	Active	44209 Wade Drive Chantilly, VA 20152	Class A Contractors, H/H	2701009872A	12-31-2012
AMEC Environment & Infrastructure, Inc.	F1441981	Foreign Corporation	Active	21740 Beaumeade Circle Suite 150 Ashburn, VA 20147	Eng	0411000911	2-28-2014
AMEC Environment & Infrastructure, Inc.	F1441981	Foreign Corporation	Active	3705 Saunders Avenue Richmond, VA 23227	Eng	0411000909	2-28-2014
Commonwealth Consultants of Virginia, Inc.	05173844	Corporation	Active	N/A	N/A	N/A	N/A

ATTACHMENT 3.2.10

State Project No. 0095-100-722, I395-100-736

SCC and DPOR Information

ECS – Mid-Atlantic, LLC	S120821	LLC	Active	14026 Thunderbolt Place Suite 100 Chantilly, VA 20151	Eng	0407004628	12-31-2013
FAI Constructors	01137801	Fictitious Name	Active	N/A	N/A	N/A	N/A
Froehling & Robertson, Incorporated	00272112	Corporation	Active	22923 Quicksilver Drive Suite 111 Sterling, VA 20166	Eng	0411000051	02-28-2014
KDR Real Estate Services, Inc.	05712104	Corporation	Active	2500 Grenoble Road Richmond, VA 23294	Real Estate Corporation, Partnership, Association	0226007129	12-31-2013
KDR Real Estate Services, Inc.	05712104	Corporation	Active	2500 Grenoble Road Richmond, VA 23294	Principal Broker License	0225108043	03-31-2013
NXL Construction Co., Inc.	03497427	Corporation	Active	114 E. Cary Street Suite 200 Richmond, VA 23219	Eng, LS	0407003031	12-31-2013
Precision Measurements, Inc.	04504361	Corporation	Active	4215 Lafayette Center Drive Suite 2A Chantilly, VA 20151	LS	041100562	02-28-2014

ATTACHMENT 3.2.10

State Project No. 0095-100-722, I395-100-736

SCC and DPOR Information

DPOR INFORMATION FOR INDIVIDUALS (RFQ Sections 3.2.9.3 and 3.2.9.4)						
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
AECOM Technical Services, Inc	Nathan Matthew Porter	Glen Allen	14143 Riverdowns N Terrace Midlothian, VA 23113	Professional Engineer	0402036861	06-30-2012
AECOM Technical Services, Inc	Mark Christopher Burris	Glen Allen	11013 Ridgebrook Drive Suite 210 Mechanicsville, VA 23116	Professional Engineer	0402021215	07-31-2012
NXL Construction Co., Inc.	Michael William Saunders	Richmond	4500 Litchfield Drive Chesterfield, VA 23832	Professional Engineer	0402041295	12-31-2013



Commonwealth of Virginia
State Corporation Commission

Virg

CISM0180

CORPORATE DATA INQUIRY

04/12/12

14:17:16

CORP ID: F107850 - 2 STATUS: 00 ACTIVE STATUS DATE: 09/14/09
CORP NAME: AECOM Technical Services, Inc.

DATE OF CERTIFICATE: 07/02/1991 PERIOD OF DURATION: INDUSTRY CODE: 00
STATE OF INCORPORATION: CA CALIFORNIA STOCK INDICATOR: S STOCK
MERGER IND: S SURVIVOR CONVERSION/DOMESTICATION IND:
GOOD STANDING IND: Y MONITOR INDICATOR:
CHARTER FEE: 50.00 MON NO: MON STATUS: MONITOR DTE:
R/A NAME: CT CORPORATION SYSTEM

STREET: 4701 COX RD STE 301

AR RTN MAIL:

CITY: GLEN ALLEN STATE : VA ZIP: 23060 6802
R/A STATUS: 5 B.E. AUTH IN VI EFF. DATE: 01/05/04 LOC : 143
ACCEPTED AR#: 211 51 4794 DATE: 07/07/11 HENRICO COUNTY
CURRENT AR#: 211 51 4794 DATE: 07/07/11 STATUS: A ASSESSMENT INDICATOR: 0
YEAR FEES PENALTY INTEREST TAXES BALANCE TOTAL SHARES
11 100.00 2,500

(Screen Id:/Corp_Data_Inquiry)



CISM0180

CORPORATE DATA INQUIRY

04/12/12

14:35:15

CORP ID: 0113780 - 1 STATUS: 00 ACTIVE STATUS DATE: 11/03/08
 CORP NAME: American Infrastructure-VA, Inc.

DATE OF CERTIFICATE: 10/06/1967 PERIOD OF DURATION: INDUSTRY CODE: 00
 STATE OF INCORPORATION: VA VIRGINIA STOCK INDICATOR: S STOCK
 MERGER IND: CONVERSION/DOMESTICATION IND:
 GOOD STANDING IND: Y MONITOR INDICATOR:
 CHARTER FEE: MON NO: MON STATUS: MONITOR DTE:
 R/A NAME: CT CORPORATION SYSTEM

STREET: 4701 COX RD STE 301 AR RTN MAIL:

CITY: GLEN ALLEN STATE : VA ZIP: 23060 6802
 R/A STATUS: 5 B.E. AUTH IN VI EFF. DATE: 01/05/04 LOC : 143
 ACCEPTED AR#: 211 16 3675 DATE: 09/20/11 HENRICO COUNTY
 CURRENT AR#: 211 16 3675 DATE: 09/20/11 STATUS: A ASSESSMENT INDICATOR: 0
 YEAR FEES PENALTY INTEREST TAXES BALANCE TOTAL SHARES
 11 670.00 100,000

(Screen Id:/Corp_Data_Inquiry)



CISM0180

CORPORATE DATA INQUIRY

04/12/12

14:33:32

CORP ID: F144198 - 1 STATUS: 00 ACTIVE STATUS DATE: 09/20/00
 CORP NAME: AMEC Environment & Infrastructure, Inc.

DATE OF CERTIFICATE: 09/20/2000 PERIOD OF DURATION: INDUSTRY CODE: 00
 STATE OF INCORPORATION: NV NEVADA STOCK INDICATOR: S STOCK
 MERGER IND: S SURVIVOR CONVERSION/DOMESTICATION IND:
 GOOD STANDING IND: Y MONITOR INDICATOR:
 CHARTER FEE: 2000.00 MON NO: MON STATUS: MONITOR DTE:
 R/A NAME: CT CORPORATION SYSTEM

STREET: 4701 COX RD STE 301 AR RTN MAIL:

CITY: GLEN ALLEN STATE : VA ZIP: 23060 6802
 R/A STATUS: 5 B.E. AUTH IN VI EFF. DATE: 01/05/04 LOC : 143
 ACCEPTED AR#: 211 14 6362 DATE: 08/15/11 HENRICO COUNTY
 CURRENT AR#: 211 14 6362 DATE: 08/15/11 STATUS: A ASSESSMENT INDICATOR: 0
 YEAR FEES PENALTY INTEREST TAXES BALANCE TOTAL SHARES
 11 1,700.00 990,000

(Screen Id:/Corp_Data_Inquiry)



Commonwealth of Virginia
State Corporation Commission

Virg

CISM0180

CORPORATE DATA INQUIRY

04/12/12

15:27:32

CORP ID: 0517384 - 4 STATUS: 00 ACTIVE STATUS DATE: 03/09/99
 CORP NAME: COMMONWEALTH CONSULTANTS OF VIRGINIA, INC.

DATE OF CERTIFICATE: 03/09/1999 PERIOD OF DURATION: INDUSTRY CODE: 00
 STATE OF INCORPORATION: VA VIRGINIA STOCK INDICATOR: S STOCK
 MERGER IND: CONVERSION/DOMESTICATION IND:
 GOOD STANDING IND: Y MONITOR INDICATOR:
 CHARTER FEE: 50.00 MON NO: MON STATUS: MONITOR DTE:
 R/A NAME: JAMES G LAMB

STREET: 8321 OLD COURTHOUSE RD STE 250 AR RTN MAIL:

CITY: VIENNA STATE : VA ZIP: 22182
 R/A STATUS: 1 DIRECTOR EFF. DATE: 03/09/99 LOC : 129
 ACCEPTED AR#: 212 06 7213 DATE: 03/28/12 FAIRFAX COUNTY
 CURRENT AR#: 212 06 7213 DATE: 03/28/12 STATUS: A ASSESSMENT INDICATOR: 0

YEAR	FEES	PENALTY	INTEREST	TAXES	BALANCE	TOTAL SHARES
12	100.00					1,000

 (Screen Id:/Corp_Data_Inquiry)



04/12/12

LLCM3220

LLC DATA INQUIRY

15:21:36

LLC ID: S120821 - 6 STATUS: 00 ACTIVE STATUS DATE: 04/16/04

LLC NAME: ECS - Mid-Atlantic, LLC

DATE OF FILING: 04/16/2004 PERIOD OF DURATION: INDUSTRY CODE: 00

STATE OF FILING: VA VIRGINIA MERGER INDICATOR:

CONVERSION/DOMESTICATION INDICATOR:

P R I N C I P A L O F F I C E A D D R E S S

STREET: 14026 THUNDERBOLT PL STE 100

CITY: CHANTILLY STATE: VA ZIP: 20151-0000

R E G I S T E R E D A G E N T I N F O R M A T I O N

R/A NAME: JAMES A ECKERT

STREET: 14026 THUNDERBOLT PL STE 100

RTN MAIL:

CITY: CHANTILLY STATE: VA ZIP: 20151-0000

R/A STATUS: 2 O/D OF CORP M/M EFF DATE: 04/16/04 LOC: 129 FAIRFAX COUNTY

YEAR	FEES	PENALTY	INTEREST	BALANCE
12	50.00			50.00

(Screen Id:/LLC_Data_Inquiry)



CISM0180

CORPORATE DATA INQUIRY

04/12/12

14:52:54

CORP ID: 0027211 - 2 STATUS: 00 ACTIVE STATUS DATE: 11/13/09
 CORP NAME: FROEHLING & ROBERTSON, INCORPORATED

DATE OF CERTIFICATE: 10/11/1924 PERIOD OF DURATION: INDUSTRY CODE: 00
 STATE OF INCORPORATION: VA VIRGINIA STOCK INDICATOR: S STOCK
 MERGER IND: CONVERSION/DOMESTICATION IND:
 GOOD STANDING IND: Y MONITOR INDICATOR:
 CHARTER FEE: 2480.00 MON NO: MON STATUS: MONITOR DTE:
 R/A NAME: WILLIAM H HOOFNAGLE III

STREET: 1900 ONE JAMES CENTER AR RTN MAIL:
 901 E CARY ST

CITY: RICHMOND STATE : VA ZIP: 23219

R/A STATUS: 4 ATTORNEY EFF. DATE: 09/21/11 LOC : 216

ACCEPTED AR#: 211 16 6326 DATE: 09/23/11 RICHMOND CITY

CURRENT AR#: 211 16 6326 DATE: 09/23/11 STATUS: A ASSESSMENT INDICATOR: 0

YEAR	FEES	PENALTY	INTEREST	TAXES	BALANCE	TOTAL SHARES
11	1,700.00					1,100,000

(Screen Id:/Corp_Data_Inquiry)



CISM3120

FICTITIOUS NAME INQUIRY

04/25/12

10:13:17

CORP ID: 0113780 - 1 CORP STATUS: 00 ACTIVE
 CORP NAME: American Infastructure-VA, Inc.

DATE	FICTITIOUS NAME(S)
04/24/12	001. FAI CONSTRUCTORS (HENRICO CO)
11/03/10	002. INDEPENDENCE CONSTRUCTION MATERIALS (HENRICO CO)
11/02/10	003. AIK CONSTRUCTORS (CHESTERFIELD CO)
08/12/10	004. AIBBRAIL CONSTRUCTORS (CHESTERFIELD CO)

(Screen Id:/Corp_Name_Inquiry_Corp)



CISM0180

CORPORATE DATA INQUIRY

04/12/12

15:28:29

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

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

STREET: 2500 GRENOBLE RD AR RTN MAIL:

CITY: RICHMOND STATE : VA ZIP: 23294
 R/A STATUS: 2 OFFICER EFF. DATE: 07/09/03 LOC : 143
 ACCEPTED AR#: 212 01 1626 DATE: 11/28/11 HENRICO COUNTY
 CURRENT AR#: 212 01 1626 DATE: 11/28/11 STATUS: A ASSESSMENT INDICATOR: 0
 YEAR FEES PENALTY INTEREST TAXES BALANCE TOTAL SHARES
 12 100.00 100

(Screen Id:/Corp_Data_Inquiry)



Commonwealth of Virginia
State Corporation Commission

Virg

CISM0180

CORPORATE DATA INQUIRY

04/12/12

15:26:17

CORP ID: 0349742 - 7 STATUS: 00 ACTIVE STATUS DATE: 11/17/89
 CORP NAME: **NXL CONSTRUCTION CO., INC.**

DATE OF CERTIFICATE: 11/17/1989 PERIOD OF DURATION: INDUSTRY CODE: 00
 STATE OF INCORPORATION: VA VIRGINIA STOCK INDICATOR: S STOCK
 MERGER IND: CONVERSION/DOMESTICATION IND:
 GOOD STANDING IND: Y MONITOR INDICATOR:
 CHARTER FEE: 50.00 MON NO: MON STATUS: MONITOR DTE:
 R/A NAME: NICOMEDES L DE LEON

STREET: 9606 GEORGE'S BLUFF RD AR RTN MAIL:

CITY: RICHMOND STATE : VA ZIP: 23229
 R/A STATUS: 2 OFFICER EFF. DATE: 10/08/98 LOC : 143
 ACCEPTED AR#: 211 16 4444 DATE: 09/20/11 HENRICO COUNTY
 CURRENT AR#: 211 16 4444 DATE: 09/20/11 STATUS: A ASSESSMENT INDICATOR: 0

YEAR	FEES	PENALTY	INTEREST	TAXES	BALANCE	TOTAL SHARES
11	100.00					5,000

 (Screen Id:/Corp_Data_Inquiry)



CISM0180

CORPORATE DATA INQUIRY

04/12/12

14:37:22

CORP ID: 0450436 - 1 STATUS: 00 ACTIVE STATUS DATE: 07/24/95
 CORP NAME: PRECISION MEASUREMENTS, INC.

DATE OF CERTIFICATE: 07/24/1995 PERIOD OF DURATION: INDUSTRY CODE: 00
 STATE OF INCORPORATION: VA VIRGINIA STOCK INDICATOR: S STOCK
 MERGER IND: CONVERSION/DOMESTICATION IND:
 GOOD STANDING IND: Y MONITOR INDICATOR:
 CHARTER FEE: 50.00 MON NO: MON STATUS: MONITOR DTE:
 R/A NAME: DOUGLAS W DAVIS

STREET: WYNNGATE BUSINESS PARK AR RTN MAIL:
 516 BAYLOR CT

CITY: CHESAPEAKE STATE : VA ZIP: 23320

R/A STATUS: 4 ATTORNEY EFF. DATE: 06/04/02 LOC : 236

ACCEPTED AR#: 211 11 3653 DATE: 06/13/11 CHESAPEAKE CITY

CURRENT AR#: 211 11 3653 DATE: 06/13/11 STATUS: A ASSESSMENT INDICATOR: 0

YEAR	FEES	PENALTY	INTEREST	TAXES	BALANCE	TOTAL SHARES
11	100.00					5,000

(Screen Id:/Corp_Data_Inquiry)

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

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

EXPIRES ON
12-31-2013

NUMBER
0407003153

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

PROFESSIONS: ENG

**AECOM TECHNICAL SERVICES INC
4840 COX ROAD
GLEN ALLEN, VA 23060**



Gordon N. Dixon
Gordon N. Dixon, Director

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(POCKET CARD)

COMMONWEALTH OF VIRGINIA

**BOARD FOR APPEALS
BUSINESS ENTITY REGISTRATION
NUMBER: 0407003153 EXPIRES: 12-31-2013
PROFESSIONS: ENG
AECOM TECHNICAL SERVICES INC
4840 COX ROAD
GLEN ALLEN, VA 23060**



(DETACH HERE)

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

(PULL)

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

EXPIRES ON

02-28-2014

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

NUMBER

0411000776

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

BUSINESS ENTITY BRANCH OFFICE REGISTRATION

PROFESSIONS: ARC, ENG

AECOM TECHNICAL SERVICES INC
2101 WILSON BLVD. 8TH FLOOR
ARLINGTON, VA 22201



Gordon N. Dixon
Gordon N. Dixon, Director

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(POCKET CARD)

COMMONWEALTH OF VIRGINIA

BOARD FOR APELSCIDLA
BUSINESS ENTITY BRANCH OFFICE REGISTRATION
NUMBER: 0411000776 EXPIRES: 02-28-2014
PROFESSIONS: ARC, ENG
AECOM TECHNICAL SERVICES INC
2101 WILSON BLVD. 8TH FLOOR
ARLINGTON, VA 22201



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

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DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION
COMMONWEALTH OF VIRGINIA

EXPIRES ON
12-31-2012

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

NUMBER
2701 009872A

BOARD FOR CONTRACTORS
CLASS A CONTRACTORS LICENSE

AMERICAN INFRASTRUCTURE-VA INC
44209 WADE DRIVE
CHANTILLY VA 20152



Gordon N. Dixon
Gordon N. Dixon, Director

***CLASSIFICATIONS* H/H**

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(POCKET CARD)

COMMONWEALTH OF VIRGINIA

BOARD FOR CONTRACTORS - CLASS A
CONTRACTOR LICENSE - CLASSIFICATIONS: H/H

NUMBER: 2701 009872A EXPIRES: 12-31-2012
AMERICAN INFRASTRUCTURE-VA INC

44209 WADE DRIVE



(DETACH HERE)

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

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

EXPIRES ON
02-28-2014

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

NUMBER
0411000911

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

PROFESSIONS: ENG

AMEC ENVIRONMENT & INFRASTRUCTURE, INC.
21740 BEAUMEADE CIRCLE
SUITE 150
ASHBURN, VA 20147



Gordon N. Dixon
Gordon N. Dixon, Director

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DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION
COMMONWEALTH OF VIRGINIA

EXPIRES ON
02-28-2014

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

NUMBER
0411000909

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

PROFESSIONS: ENG

AMEC ENVIRONMENT & INFRASTRUCTURE, INC.
3705 SAUNDERS AVENUE
RICHMOND, VA 23227



Gordon N. Dixon
Gordon N. Dixon, Director

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(POCKET CARD)

COMMONWEALTH OF VIRGINIA

BOARD FOR APESCIDLA
BUSINESS ENTITY BRANCH OFFICE REGISTRATION
NUMBER: 0411000909 EXPIRES: 02-28-2014
PROFESSIONS: ENG
AMEC ENVIRONMENT & INFRASTRUCTURE, INC.
3705 SAUNDERS AVENUE
RICHMOND, VA 23227



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

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COMMONWEALTH OF VIRGINIA**

**EXPIRES ON
12-31-2013**

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

**NUMBER
0407004628**

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

PROFESSIONS: ENG

**ECS-MID-ATLANTIC LLC
LEO J TITUS JR PE
14026 THUNDERBOLT PL STE 100
CHANTILLY, VA 20151**



Gordon N. Dixon
Gordon N. Dixon, Director

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DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION
COMMONWEALTH OF VIRGINIA

EXPIRES ON
02-28-2014

NUMBER
0411000051

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

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

PROFESSIONS: ENG

FROEHLING & ROBERTSON, INC
22923 QUICKSILVER DR STE 111
STERLING, VA 20166



Gordon N. Dixon
Gordon N. Dixon, Director

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(POCKET CARD)

COMMONWEALTH OF VIRGINIA
BOARD FOR APELSCIDLA
BUSINESS ENTITY BRANCH OFFICE REGISTRATION
NUMBER: 0411000051 EXPIRES: 02-28-2014
PROFESSIONS: ENG
FROEHLING & ROBERTSON, INC
22923 QUICKSILVER DR STE 111
STERLING, VA 20166



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

DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION
COMMONWEALTH OF VIRGINIA

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

EXPIRES ON

12-31-2012

NUMBER

0226 007129

REAL ESTATE BOARD
REAL ESTATE CORPORATION, PARTNERSHIP, ASSOCIATION LICENSE
POST IN A CONSPICUOUS PLACE
THIS LICENSE TO BE KEPT IN CUSTODY AND CONTROL OF PRINCIPAL BROKER

KDR REAL ESTATE SERVICES INC
2500 GRENOBLE RD
RICHMOND, VA 23294



Gordon N. Dixon
Gordon N. Dixon, Director

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

DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION
COMMONWEALTH OF VIRGINIA

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

EXPIRES ON

03-31-2013

NUMBER

0225 108043

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

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



Gordon N. Dixon
Gordon N. Dixon, Director

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

**EXPIRES ON
12-31-2013**

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

**NUMBER
0407003031**

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

PROFESSIONS: ENG, LS

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



Gordon N. Dixon
Gordon N. Dixon, Director

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

(POCKET CARD)

COMMONWEALTH OF VIRGINIA

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



(fold)

(DETACH HERE)

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

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DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION
COMMONWEALTH OF VIRGINIA

EXPIRES ON
02-28-2014

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

NUMBER
0411000562

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

PROFESSIONS: LS

PRECISION MEASUREMENTS INC
4215 LAFAYETTE CENTER DR
SUITE 2A
CHANTILLY, VA 20151



Gordon N. Dixon
Gordon N. Dixon, Director

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(POCKET CARD)

COMMONWEALTH OF VIRGINIA

BOARD FOR APELSCIDLA
BUSINESS ENTITY BRANCH OFFICE REGISTRATION
NUMBER: 0411000562 EXPIRES: 02-28-2014
PROFESSIONS: LS
PRECISION MEASUREMENTS INC
4215 LAFAYETTE CENTER DR
SUITE 2A
CHANTILLY, VA 20151



(DETACH HERE)

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

10/04/11

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DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION
COMMONWEALTH OF VIRGINIA

EXPIRES ON
07-31-2012

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

NUMBER
0402021215

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

MARK CHRISTOPHER BURRIS
EARTH TECH
11013 RIDGEBROOK DRIVE
SUITE 210
MECHANICSVILLE, VA 23116



Gordon N. Dixon
Gordon N. Dixon, Director

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DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION
COMMONWEALTH OF VIRGINIA

EXPIRES ON
06-30-2012

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

NUMBER
0402036861

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

NATHAN MATTHEW PORTER
14143 RIVERDOWNS N TERRACE
MIDLOTHIAN, VA 23113



Gordon N. Dixon
Gordon N. Dixon, Director

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DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION
COMMONWEALTH OF VIRGINIA

EXPIRES ON
12-31-2013

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

NUMBER
0402041295

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

MICHAEL WILLIAM SAUNDERS
4500 LITCHFIELD DRIVE
CHESTERFIELD, VA 23832



Gordon N. Dixon
Gordon N. Dixon, Director

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

ATTACHMENT 3.3.1.1

KEY PERSONNEL RESUME FORM

Brief Resume of Key Personnel anticipated for the Project.
a. Name & Title: Gabriel Pablo Medel Carratala, Construction Manager
b. Project Assignment: Design Build Project Manager
c. Name of Firm with which you are now associated: Ferrovial Agromán South East
d. Years experience: With this Firm <u>21</u> Years With Other Firms <u>5</u> Years Please list chronologically (most recent experience first) your employment history, position and general experience or fields of practice for the last fifteen(15) years. (NOTE: If you have less than 15 years of experience, please list all of your experience for those years you have worked.): <i>Ferrovial Agromán/CTxHC, General Manager; 2010 – Present:</i> As the General Manager for the SH 130 Segments 5 & 6 Project involving the construction of 64 Km of four-lane toll road with a construction cost of \$ 968 million. Managed construction staff from Ferrovial Agromán. Integrated Design-Build team including lead designer and construction subcontractors. Responsible for overall design, construction, and maintenance of traffic. <i>Ferrovial Agromán/CTxHC, Cost Control Manager; 2008 – 2010:</i> As the Cost Control Manager for the SH 130 Segments 5 & 6 Project involving the construction of 64 Km of four-lane toll road with a construction cost of \$ 968 million. Responsible for cost estimating and scheduling for this contract. Monitors and ensures that budget and schedules are met. <i>Ferrovial Agromán, Construction Manager; 1997 – 2008:</i> Since 1991, as the Construction Manager on several projects in Spain including the New Wastewater plant in Arenales del Sol. Responsible for managing construction and field staff, construction coordination, site administration, site surveying, quality control, and materials testing. <i>Notable Experience</i> <ul style="list-style-type: none">• Design-Build• Innovations• Phased Construction• Bridge Construction• Highways Construction• Excavations• Cost Savings• Delivering Projects Ahead of Schedule•
e. Education: Name & Location of Institution(s)/Degree(s)/Year/Specialization: Universidad Politecnica de Valencia, Spain B.S., Civil Engineering
f. Active Registration: Year First Registered/ Discipline/VA Registration #: N/A
g. Document the extent and depth of your experience and qualifications relevant to the Project. <ol style="list-style-type: none">1. <i>Note your specific responsibilities and authorities for each assignment, not those of the firm.</i>2. <i>Note whether experience is with current firm or with other firm.</i>3. <i>Provide beginning and end dates for each assignment.</i> (List at least three (3), but no more than five (5) relevant projects for which you have performed a similar function.)

SH 130, Segments 5 and 6 Austin to Seguin, Texas (P3 Project)

1. General Manager for SH-130, Segments 5 and 6 (along with Segments 1-4 constructed and managed by the Texas DOT) which will offer an alternative to IH-35 between San Antonio and Austin, enabling traffic to bypass the highly congested area of central Austin. This 40 mile, USD 1.3 billion project is being built and operated by the SH 130 Concession Company LLC, a Cintra led consortium, in the first Greenfield P3 in Texas. For this project, Cintra led the development and was joined by a Design & Construction Joint Venture formed by Ferrovial Agromán 5&6 LLC and Zachry Construction Corporation. Under the contract, the Cintra led consortium is responsible for all operating and maintenance costs of the project and has the right to all toll and concession revenue. Mr. Medel is responsible for managing project that includes 8 M tons of asphalt paving, 72 bridges totaling over 2.5 M SF in deck area, over 325,000 SF of retaining walls, and nearly 35 M CY of excavation and embankment. Leading team responsible for roadway geometrics; turnarounds; mainlane and ramp toll sites and gantrys; bridge layouts and details; FEMA studies; urban storm sewer design; culvert design and analyses; retaining wall layouts; high mast and conventional illumination plans; traffic signal design; signing and striping plans; a stormwater pollution prevention plan; utility coordination; a landscape and aesthetics plan; ADA compliance; ultimate schematic and construction documents; certification of right of way; condemnation documents; permit approvals; and four CLOMRs. Also leading development of an extensive QA/QC program that follows ISO 9001 principles. Conducted weekly progress meetings to maintain the project in line with its aggressive, fast-track schedule. This complex project has some similarities to Mark Center I-395 project.

2. *Ferrovial Agromán*

3. *2010 – Present*

SH 130, Segments 5 and 6 Austin to Seguin, Texas (P3 Project)

1. Cost Control Manager for SH-130, Segments 5 and 6 (along with Segments 1-4 constructed and managed by the Texas DOT) which will offer an alternative to IH-35 between San Antonio and Austin, enabling traffic to bypass the highly congested area of central Austin. Played an important role in working with lead designer AECOM to develop optimizations for the project to be 8 months ahead of schedule. A \$12 million cost savings was introduced at the SH 45/US 183 interchange through numerous optimizations. Optimized the TxDOT Type IV beam girder resulting in a new precast concrete beam girder that allowed one less beam per span; this optimized girder would go on to become the new TxDOT standard TX-54 beam girder.

2. *Ferrovial Agromán*

3. *2008 –2010*

New Wastewater plant in Arenales del Sol, Spain

1. Responsible for managing construction and field staff, construction coordination, site administration, site surveying, quality control, and materials testing.

2. *Ferrovial Agromán*

3. *1997 – 2008*

ATTACHMENT 3.3.1.2

KEY PERSONNEL RESUME FORM

Brief Resume of Key Personnel anticipated for the Project.
a. Name & Title: Michael W. Saunders, PE, CCM, Project Manager/Quality Assurance Manager
b. Project Assignment: Quality Assurance Manager
c. Name of Firm with which you are now associated: NXL Construction Services, Inc.
d. Years experience: With this Firm <u><1</u> Years With Other Firms <u>10</u> Years Please list chronologically (most recent experience first) your employment history, position and general experience or fields of practice for the last fifteen(15) years. (NOTE: If you have less than 15 years of experience, please list all of your experience for those years you have worked.): <i>NXL Construction Services, Inc., Project Manager/Quality Assurance Manager; Nov 2011 - Present:</i> As Independent QA/QC Manager for joint Design-Build projects, Mr. Saunders ensures contract requirements and specifications are appropriately applied, all required QC testing and independent QA is carried out in accordance with applicable requirements, quality standards are met, and payments processed. He provides QA/QC services in accordance with VDOT requirements and acts as a liaison between VDOT and contractor's staff. Mr. Saunders coordinates QA/QC staff and provides oversight of the QC process to assure an adequate number of appropriate tests and inspections are performed. Mr. Saunders confirms the results of QC efforts by performing independent testing and inspections for verification. He assures that non-compliant work is documented and corrected. Mr. Saunders reviews and approves the contractor's monthly invoice to VDOT. <i>Virginia Department of Transportation (Richmond District), Project Control Engineer/Area Construction Engineer for Design-Build Projects; May 2011 – Nov 2011:</i> Mr. Saunders was responsible for QA, coordinating constructability reviews, and coordination of post-award schedule reviews. As the Responsible Charge Project Manager, he served on the selection panel during the procurement phase and as Project Manager of the construction phase. He also attended weekly progress meetings, design meetings, and served as the Responsible Charge Engineer. His role was ensuring that the independent assurance and verification was performed for Design-Build projects, all contract requirements were met, and all required QC testing and independent QA was carried out in accordance with applicable requirements. <i>Virginia Department of Transportation (Richmond District), Area Construction Engineer; Jan 2007 – May 2011:</i> Mr. Saunders was responsible for executing a 6-year program to include managing all aspects of construction/maintenance contracts safely, with quality, on time and within budget. He provided Responsible Charge supervision and technical guidance to Construction Managers and Inspectors during project delivery for design-build and design-bid-build projects. His duties included making Responsible Charge decisions and coordination activities for projects. <i>Virginia Department of Transportation (Salem District), Construction Project Manager; Nov 2005 – Jan 2007:</i> Mr. Saunders supervised all phases of multi-operational roadway and structural construction projects to ensure all work was performed in accordance with project plans, specifications and special provisions. He supervised the work of several construction inspectors and resolved contractual disputes with contractors. He presented the project showings and preconstruction conferences, submitted work orders and tracked project cost to assure projects remained within budget. <i>Virginia Department of Transportation (Salem District), Architect/Engineer I; March 2004 – April 2005:</i> Mr. Saunders was responsible for supervision of the subdivision, rural streets and land use permits programs. Duties included responsibility for land development, commercial / subdivision streets, commercial development impacting transportation networks; participation in additions to the secondary system and ensuring compliance with rules and regulations. <i>Virginia Department of Transportation (Salem District), Transportation Engineer Associate; June 2001 – Feb 2004:</i> Mr. Saunders assisted in the Land Development and Maintenance Program Operations for the Salem Residency. Duties included performing site plan reviews; involvement in inspection and acceptance of additions to the secondary street system, and assisting to set a budget for the Area Headquarters' upcoming fiscal year. Mr. Saunders duties included presenting the Six-Year Plan at a public hearing with the Board of Supervisors. Mr. Saunders also performed Construction Project Manager duties to include both bridge and grading projects of varying complexity.
e. Education: Name & Location of Institution(s)/Degree(s)/Year/Specialization: Virginia Tech Bachelor of Science, Civil Engineering, 2001
f. Active Registration: Year First Registered/ Discipline/VA Registration #: 2005/Professional Engineer/0402 041295

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

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

VDOT Rt. 36 Improvements, Prince George County, Virginia (Design Build)

1. For the construction of improvements to Route 36 and Route 144 near Fort Lee's Sisisky Gate The construction improvements project to Route 36 and Route 144 near Fort Lee's Sisisky Gate includes improvement to approximately 0.9 mile of Route 36 and approximately 0.5 miles of Route 144 for a duration 20 months requiring QA inspection and testing for the Abernathy team. Mr. Saunders serves as the project's quality assurance manager where he is responsible for preparation of project's QA and QC plan, oversight of QA procedures, performance and coordination of QA testing and inspection in accordance with VDOT's August 2008 design-build guidelines, monitoring of contractor's QC program and serving as the Department liaison, approving QC inspection staff assignment to project and the QC frequency testing plan, the preparation, maintenance, and submission of associated project documentation including but not limited to diaries, EEO, ARRA, materials notebook/documentation, as-built sketches, and monthly pay documents including verifying and approving monthly pay packages, and preparation and submission of final records, and managing the project QA staff.

2. *NXL Construction Services, Inc.*

3. *Nov 2011– Present*

VDOT I-295/Meadowville Interchange, Chesterfield, Virginia

1. Mr. Saunders served as the Quality Control Manager (QCM) where he represented the contractor on the project site as a function of the construction manager, while parallel reporting all sampling, testing, visual inspections, certifications, and daily diaries directly to the QAM. He also led the team's QC function and directed the activities of the project level QC inspection staff. Other duties included leading all preparatory inspection meetings, reporting any quality deficiencies, coordinating with the CM and QAM to monitor the installation and maintenance of erosion and sediment controls and other permit requirements, coordinating with the CM to monitor work zone safety and traffic management plans, coordinating with the QC testing firm to ensure conformance with VDOT's guidelines, and managing the project QC staff for sufficient staffing, to ensure compliance with contract, plans, and specifications.

2. *NXL Construction Services, Inc.*

3. *Nov 2011– Dec 2011*

VDOT I-295/Meadowville Interchange, Chesterfield, Virginia

1. VDOT's Project Manager during final design and construction of phase one, the diamond, of an ultimate cloverleaf interchange. Duties included attending regularly scheduled progress meetings, reviewing project documentation for compliance with contract documents, reviewed and approved pay applications and coordinated IA/IV testing. After leaving VDOT, Mr. Saunders continued duties as Quality Control Manager for this project with NXL Construction Services, seeing the project through to close out.

2. *Virginia Department of Transportation*

3. *April 2011 – Nov 2011*

Region 4 Design-Build Structures Project, Various Counties (Design-Build)

1. VDOT's Project Manager during the construction of various bridge superstructure replacements throughout the Richmond District. Duties included making responsible charge decisions, attending regularly scheduled progress meetings, reviewing project documentation for compliance with contract documents, coordinated IA/IV testing and handled public/stakeholder concerns throughout the duration of the project.

2. *Virginia Department of Transportation*

3. *April 2010 – Nov 2011*

Route 10 Widening, Chesterfield, Virginia

1. Responsible charge engineer overseeing the construction of this project which included coordination with Chesterfield County, the contractor, Dominion Virginia Power, CSX railroad and the FHWA. Duties included but were not limited to acting on behalf of the Department during negotiations and problem resolution meetings, reviewing and approving monthly payment applications and ensuring project testing and documentation was being kept in accordance with contract and VDOT requirements.

2. *Virginia Department of Transportation*

3. *April 2011 – Nov 2011*

ATTACHMENT 3.3.1.3

KEY PERSONNEL RESUME FORM

Brief Resume of Key Personnel anticipated for the Project.		
a. Name & Title: Mark Burris, PE, Project Manager		
b. Project Assignment: Design Manager		
c. Name of Firm with which you are now associated: AECOM Technical Services, Inc.		
d. Years experience: With this Firm <u>5</u> Years With Other Firms <u>24</u> Years Please list chronologically (most recent experience first) your employment history, position and general experience or fields of practice for the last fifteen (15) years. (NOTE: If you have less than 15 years of experience, please list all of your experience for those years you have worked.): <i>AECOM, Project Manager: 2007 – Present:</i> Mr. Burris is a transportation group leader and project manager responsible for managing design-build projects in Virginia. He is currently managing several transportation on-call services contract programs for local municipalities that involve urban roadway design improvement projects. He oversees design QA/QC, working plans, shop drawings, specifications and constructability reviews. He is serving as a project manager for a VDOT ITS fiber optic design extension along I-95 through the downtown Richmond corridor. He is also serving as project manager for Henrico County's first PPTA project, North Gayton Road Extension currently under construction and scheduled to be completed in June 2012. <i>VDOT, Design Section Manager: 2005 – 2007:</i> Mr. Burris served as a Design Section Manager for the Location and Design Division in VDOT's Central Office. He supervised and mentored design teams responsible for VDOT's in-house roadway design projects. He worked extensively with all aspects of VDOT's roadway design process and the various divisions coordinating with various VDOT District staff. <i>Wilbur Smith Associates, Associate-in-Charge: 2000 –2005:</i> Mr. Burris was responsible for managing a 30 person office representing 5 divisions. He was a senior project manager for numerous VDOT transportation projects in Virginia involving complex interchanges and specialized in alternative delivery such as PPTA and Design Build. He was involved in several of VDOT's earliest PPTA projects including Route 895 Airport Connector, Route 199 Jamestown 2007, and the I-81 STAR Solutions proposal to add truck separated lanes for the entire corridor. <i>HW Lochner, Transportation Group Manager: 1997 – 2000:</i> Mr. Burris served as the transportation group leader managing design staff as well as an individual project manager responsible for managing design transportation projects in Virginia. He designed numerous urban roadway projects with sensitive issues involving utility impacts and coordination, pedestrian access and safety concerns and maintenance of traffic during construction. <i>Notable Experience</i> <ul style="list-style-type: none">• Design-Build/PPTA• QA/QC Design and Construction• Complex interchanges• 29 years of VDOT experience• Designed over 70 miles of highway• Project Management• Phased construction• Constructability Reviews• Traffic Management		
e. Education: Name & Location of Institution(s)/Degree(s)/Year/Specialization: Old Dominion University, Norfolk, Virginia BS, 1983 Civil Engineering		
f. Active Registration: Year First Registered/ Discipline/VA Registration #: Registration Information 1990 / Professional Engineer / #21215		
g. Document the extent and depth of your experience and qualifications relevant to the Project. <ol style="list-style-type: none">1. <i>Note your specific responsibilities and authorities for each assignment, not those of the firm.</i>2. <i>Note whether experience is with current firm or with other firm.</i>3. <i>Provide beginning and end dates for each assignment.</i> (List at least three (3), but no more than five (5) relevant projects for which you have performed a similar function.)		

Henrico County, North Gayton Road Extension PPTA, Henrico County, VA (Alternative Delivery Method)

1. Design project manager for \$ 38M PPTA project to design and construct a 2.1-mile stretch of roadway including a bridge spanning I-64, 1.5 miles of roadway on new location, extension of water lines along the project corridor, right-of-way acquisition services, environmental and cultural resources support, traffic management during construction and public involvement. Mr. Burris's responsibilities included Design QA/QC management and responding to construction Request for Information. This is a major urban roadway project connecting Henrico County's major commercial Short Pump area with northern residential neighborhoods. The project's new facility will provide significant traffic relief for the most congested intersection in Henrico County at Broad Street and Pouncey Tract Road. The project's stakeholders include Henrico County, VDOT, FHWA, Federal and State agencies, multiple churches, businesses, neighborhoods, a recreational park and environmentally sensitive properties. A multi-use pedestrian pathway was also added to the project crossing the bridge during the public involvement stage.

2. *AECOM*

3. 2007 – 2012

Jamestown Corridor Improvements PPTA Project, Williamsburg/Jamestown, VA (Alternative Delivery Method)

1. Design Project Manager for \$31.8M PPTA project to design and construct a four-part roadway facilities improvement project to relieve congestion for the 400th anniversary commemoration of the settling of Jamestown and long-term congestion issues in the future. His responsibilities included QA/QC management and responding to Requests for Information. The project team consisted of 3 major construction firms, 3 design sub-consultants and 8 subcontractors. The project involved the widening Route 199 to a 4-lane divided facility including a new bridge over College Creek, sound barriers (including bridge), intersection improvements at Route 199 and Route 31 and realignment of Route 359 on a new location to connect Route 31 with Colonial Parkway. The project was delivered successfully within budget 2 months ahead of schedule. "The Route 199 PPTA is an excellent example of a project where VDOT, the contractors and the localities worked very well together to deliver a first-class project to our customers." David Steele, PE area construction engineer for VDOT's Hampton Roads District.

2. *Wilbur Smith Associates*

3. 2002 – 2005

Route 895 Airport Connector Road PPTA Project, Henrico County, VA (Alternative Delivery Method)

1. Design Project Manager for 1.6 mile 4-lane divided facility connecting Richmond International Airport with Route 895 (Pocahontas Parkway). Project included a complex trumpet interchange design at Route 895, ITS coordination with the addition of new toll booths and connection with the existing Route 895 ITS system, extensive stormwater management design, historic property issues, construction phasing and traffic management plans. The facility was a key component of the potential success for Route 895, providing a new southern entrance into the Richmond International Airport. The project was put on hold at the ROW stage in 2004 and ultimately successfully constructed through Design Build delivery in 2011.

2. *Wilbur Smith Associates*

3. 2002 – 2004

I-81 Widening, Rockbridge County, VA

1. Design Project Manager for 11 mile 6-lane interstate widening project including a re-configuration of the complex I-81/I-64 Interchange in Lexington. The project also included 3 additional interchange upgrades. The project involved extensive maintenance of traffic and construction phasing design particularly at the complex interchange location. Design services included hydraulic and hydrologic analysis, stormwater management, pavement condition surveys, geotechnical analysis and pavement design, cost estimating and scheduling support.

2. *Wilbur Smith Associates*

3. 2001 – 2005

I-81 Exit 14 Interchange Improvements, Washington County, VA

1. Design Project Manager for responsible for I-81 widening and a diamond interchange reconfiguration project. Design responsibilities included roadway design, geotechnical engineering, signals, signs, maintenance of traffic design, project scheduling, and right-of-way and utility services. The project's main purpose was to eliminate dangerous traffic weaving merging on and exiting the northbound ramp, widening the southbound ramp to accommodate 4-lanes of traffic, widening Jonesboro Road to 5-lanes and installing a new traffic signal at the intersection.

2. *Wilbur Smith Associates*

3. 2001 – 2005

ATTACHMENT 3.3.1.4
KEY PERSONNEL RESUME FORM

Brief Resume of Key Personnel anticipated for the Project.	
a. Name & Title:	David Passmore, Project Manager/Construction Manager
b. Project Assignment:	Construction Manager
c. Name of Firm with which you are now associated:	American Infrastructure-VA, Inc.
d. Years experience: With this Firm <u>3</u> Years With Other Firms <u>13</u> Years Please list chronologically your employment history, position and general experience or fields of practice for the last fifteen (15) years.	<p><i>American Infrastructure-VA, Inc., Project Manager; Dec. 2008- Present:</i> Mr. Passmore is a Project Manager for American Infrastructure, a heavy civil and site construction company in the Mid-Atlantic region. His responsibilities include estimating, proposal preparation, quality control and management of all aspects of construction projects. He oversees the construction activities in the field to ensure project delivery that meets or exceeds all expectations of quality, timeliness and budget.</p> <p><i>CD Hall Construction, Inc. 2006 to 2008:</i> Mr. Passmore was the Senior Project Manager and Lead Estimator for CD Hall Construction Inc., a civil/utility contractor in Central Virginia. Mr. Passmore was directly responsible for all aspects of construction operations including quality control, the development and establishment of management systems, supervision of projects in process, specifically road construction and deep sewer projects. Mr. Passmore was the project manager on the Bow Tie Cinema project located in downtown Richmond, VA. Bow Tie was a complete renovation of a 150 year old railroad maintenance facility that included 10 acres of parking and streetscape. The project was notable for the massive amount of unknown utilities, contaminated soil, and unknown obstructions that the new utilities had to be placed through. Mr. Passmore also led a new road project that included 3000 lf of 35' deep 21" sanitary sewer with rock blasting.</p> <p><i>Vrana Construction Company, Inc. 1998 to 2006:</i> As Senior Project Manager for the heavy civil division of Vrana Construction, a leader in heavy civil construction in the Mid-West, Mr. Passmore was responsible for numerous roadway bridge projects. Mr. Passmore had complete fiscal responsibility for every aspect of the projects, including signing authority for all change orders, force accounts, negotiated subcontractor work order and value engineered proposals. He partnered with the Nebraska Department of Transportation, The City of Omaha, Douglas County Public Works and multiple private agencies. Contract negotiations on the projects with the teamsters, operators, carpenters and labors unions were also part of his tasks. Safety was a strong point of Vrana Construction and Mr. Passmore developed and instituted numerous new safety initiatives'. Mr. Passmore's projects ranged from roadway widening to multiple bridge interstate cloverleaf projects.</p> <p><i>Hendrix-Barnhill Company, Inc. 1997 to 1998:</i> Mr. Passmore was a Project Manager for this Greenville, NC firm from 1995 through 1998. He worked on numerous county wide water systems as well as multiple sanitary sewer projects during this time. Mr. Passmore was responsible for all direct costs, as well as, all planning and scheduling.</p>
e. Education: Degree(s)/Year/Specialization:	The Military College of South Carolina, Charleston, South Carolina BS/1994/ Civil Engineering
f. Active Registration: Year First Registered/ Discipline/VA Registration #:	Erosion and Sediment Control Contractor #4973C Expiration June 26, 2014 Will hold a DCR Responsible Land Disturber Certification prior to the commencement of construction.
g. Document the extent and depth of experience and qualifications relevant to the project.	<ol style="list-style-type: none"> 1. <i>Note your specific responsibilities and authorities for each assignment, not those of the firm.</i> 2. <i>Note whether experience is with current firm or with other firm.</i> 3. <i>Provide beginning and end dates for each assignment.</i> <p>(List at least three (3), but no more than five (5) relevant projects for which you have performed a similar function.)</p>

VDOT Hampton Boulevard Grade Separation Project

1. Responsible for overall construction activities, construction quality control management, and contract administration required for the completion of the \$39M underpass and bridge project. The overall scope of work is the construction of infrastructure improvements for VDOT, the City of Norfolk, Norfolk Southern/Portsmouth Beltline Railroads, the Virginia Port Authority, and the Navy. To accomplish this work, phased construction is being performed over the course of the 3 year 4 month long project, ensuring that no aspect of the existing infrastructure is compromised during its completion. This seven-tenth of a mile improvement will provide six lanes for through traffic and a 13-foot median for left turn lanes as needed. The proposed roadway project will provide improved roadway lighting, signals, drainage, landscaping, bike lanes, curb, gutter and sidewalks. The existing at-grade conflict with the Norfolk Southern/Norfolk Portsmouth Beltline railroad will be removed. The project includes excavating the existing Hampton Boulevard 35 feet below existing grade and constructing a new 350 m long underpass retaining wall, founded upon over 1800 piles. Two new at-grade bridges will be constructed to streamline flow of rail and pedestrian traffic across Hampton Boulevard at its new elevation. A double-span steel bridge will provide a railroad crossing, while a single span concrete bridge will provide vehicle access into both the Norfolk International Terminal and Norfolk Naval Station. A new Pump Station and drainage outfall will be built to transport site-runoff to the Elizabeth River.
2. *American Infrastructure; Project Manager*
3. *2009 – Present*

I-680, Maple to Fort Street/Sprague Street Bridge/108th and Maple Streets

1. This \$22M interstate and bridge project consisted of the widening of I-680 interstate, the completion of a cloverleaf interchange along with the construction of the Sprague Street bridge that was offsite but connected to the project. Mr. Passmore oversaw construction activities that included 2 bridges one of which were 250' long x 138' wide, 16,000 lf of pipe pile with 26 girders. The project consisted of 190,000 SY of doweled concrete interstate paving, 190,000 SY of stabilized fly ash subgrade, 240,000 CY of excavation, 71,500 SY of crushed concrete and 60,000 LF of concrete protection barrier. Because of the nature of the project, Mr. Passmore coordinated numerous independent utility contractors. Weekly meetings held between the utility contractors, the State, Power Company and the City of Omaha for the total relocation of high tension wire structure and many underground utilities resulted in a "non-delay" outcome. With 6 lanes of traffic, a \$500 per lane per minute penalty was implemented for any lane restriction still set up after a specified time limit. All traffic switches, shutdowns and lane closures were designed and implemented without a penalty by Mr. Passmore.
2. *Vrana Construction, Project Manager*
3. *2003 - 2006*

Omaha Convention Center/Arena Public Street and Parking Lot Paving

1. Responsible for overall construction activities, construction quality management, and contract administration required for the completion of the \$19.2M project. The project consisted of the building of the new QWEST Center in Omaha Nebraska and Mr. Passmore was responsible for public street and parking lot contract. The package consisted of the demolition and replacement of 4 major downtown streets, the complete construction of 5 parking lots and numerous lighting and streetscapes. Mr. Passmore was responsible for the completion of a 2500 SF single story parking control center, 300,000 SY of concrete pavement, 330,000 SY of rock stabilized subgrade, and 1500 LF of granite curb. This project was delayed due to circumstances beyond the control of Vrana Construction and Mr. Passmore designed, developed and implemented the first acceleration strategy ever given to the City of Omaha.
2. *Vrana Construction, Project Manager*
3. *2001 - 2003*

Highway 31, "Q" Street to Dodge Street, US 6/ US 275 Interchange

1. Responsible for overall construction activities, construction quality management, and contract administration required for the completion of the \$18M project. Specific construction activities included 2 bridges, 85 M long by 37 M wide, 1,055 M of concrete piling, 1,600 M of H piling, 168,000 SQM of doweled concrete pavement, 44,000 Mg of asphalt surfacing, 5 box culverts and 1,680,000 CUM of excavation. The project consisted of a new interchange and surrounding interstates. The project had 10 phases and Mr. Passmore was responsible for significant MOT operations on the site because of the traffic switches. Oversaw daily lane closures and traffic shifts as necessary to accommodate the phased sequencing of construction.
2. *Vrana Construction, Project Manager*
3. *2002 - 2003*

72nd Street, Phase I and II, City of Omaha/Nebraska Department of Roads

1. Responsible for overall construction activities, construction quality management, and contract administration required for the completion of the \$16M project. The project was the renovation of the highest traffic volume street in mid town Omaha. Specific project details are 104,000 SQM of concrete paving, 120,000 SQM of subgrade preparation and the renovation of an existing single span bridge. Due to the nature of the project being in the heart of the business district, Mr. Passmore developed numerous ways to accommodate traffic flow while keeping access to each business open. As a result of the project Mr. Passmore was selected to be put on the City of Omaha's engineer/contractor evaluation team
2. *Vrana Construction, Project Manager*
3. *2001 - 2002*

ATTACHMENT 3.3.1.5

KEY PERSONNEL RESUME FORM

Brief Resume of Key Personnel anticipated for the Project.
a. Name & Title: Nathan M. Porter, PE, Structural Department Manager
b. Project Assignment: Lead Structural Engineer
c. Name of Firm with which you are now associated: AECOM Technical Services, Inc.
Years experience: With this Firm <u>11</u> Years With Other Firms <u>4</u> Years Please list chronologically (most recent experience first) your employment history, position and general experience or fields of practice for the last fifteen (15) years. (NOTE: If you have less than 15 years of experience, please list all of your experience for those years you have worked.): <i>AECOM, Structural Department Manager; 2010-Present:</i> Mr. Porter is responsible for allocating, overseeing and managing all elements of structural bridge design and construction support work performed in the Richmond office (i.e. foundation and substructure design, superstructure design and load rating, as well as coordination and review of geotechnical, roadway, maintenance of traffic (MOT) and utility work). Duties also include coordination between multiple design offices, Quality Assurance and Quality Control (QA/QC), responding to owner, client and third party reviews of design plans and specifications, as well as comment resolution for Design-Build (DB) projects. <i>AECOM, Project Manager/Senior Structural Engineer; 2008-2010:</i> Mr. Porter was responsible for overseeing and managing all elements of bridge design and construction support work for both conventional Design-Bid-Build (DBB) and accelerated Design-Build (DB) highway bridge projects. Duties included superstructure and substructure design of conventional steel plate girder and prestressed concrete beam bridges, as well as complex bridge design of trapezoidal steel box girder bridges, steel integral straddle bents, post-tensioned integral concrete pier caps, and cable-stay bridge design. Duties also included responding to owner, client and third party reviews of design plans and specifications as well as comment resolution for Design-Build (DB) projects. Responsibilities also included Quality Assurance and Quality Control (QA/QC) for services provided out of the Richmond Office. <i>STV/Ralph Whitehead & Associates, Inc., Project Manager/Senior Structural Engineer; 2004-2008:</i> Mr. Porter was responsible for overseeing and managing the inspection, survey, design, rehabilitation, repair, clearance improvement, rating, permit coordination, as well as construction management and inspection of heavy freight rail bridge projects for several Class I and Short Line railroads (CSXT, NS, CN, UP, FEC, INRD). Duties included oversight of all disciplines of work which includes bridge inspection and design, bridge modifications/rehabilitation/emergency repairs, track design, geotechnical, environmental permitting, shop drawing review, construction coordination, and quality assurance. <i>AECOM, Structural Design Engineer; 1997-2004:</i> Mr. Porter was responsible for the design, inspection, and construction engineering support for both conventional Design-Bid-Build (DBB) and accelerated Design-Build (DB) highway bridge projects. Duties included, but are not limited to, design of superstructure and substructure elements for composite steel plate girder and prestressed concrete beam bridges, retaining walls, box culverts, and load rating new and existing bridge structures. <i>Notable Experience (i.e. design build project, phased construction, bridges, highway, excavation, etc)</i> <ul style="list-style-type: none">• Bridge Design (Steel & Concrete)• Design-Build• Complex Bridge Design• Complex Interchanges/Overpass• Staged Construction• Retaining Wall Design• Foundation Design• Bridge Retrofit & Repairs• Construction Support
d. Education: Name & Location of Institution(s)/Degree(s)/Year/Specialization: Auburn University, Auburn, Alabama BS, 1995 Civil Engineering Auburn University, Auburn, Alabama MS, 2000 Structural Engineering
e. Active Registration: Year First Registered/ Discipline/VA Registration #: 2002 / Professional Engineer / #036861

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

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

FDOT, I-595/I-95/I-75/Florida Turnpike Corridor Improvements Design-Build, Fort Lauderdale, FL (Alternative Delivery Method)

1. Mr. Porter served as design manager and engineer of record (EOR) for this PPP project, which consists of 10.5 miles of highway widening and reconstruction of I-595 including 70 new/replacement bridges, 220 walls (MSE retaining walls and traffic noise barriers), and 130 sign structures. His responsibilities included management and design of three (3) steel trapezoidal box girder bridges; I-595 to Turnpike South – Ramp R-9, 2090 ft long horizontally curved structure consisting of twin box girders with span lengths ranging from 179 to 304 ft and supported by hammerhead piers, post-tensioned concrete integral caps, and abutments with MSE wall approaches; I-595 to Turnpike North – Ramp R-7, 1690 ft long horizontally curved structure consisting of twin box girders with span lengths ranging from 210 to 301 ft and supported by hammerhead piers, steel straddle bent caps, and abutments with MSE wall approaches; Ramp T-5 over Turnpike, 580 ft long three (3) box horizontally curved structure consisting of spans ranging from 177 to 206 ft and supported by a steel straddle bent cap, stem wall pier, and abutments with MSE wall approaches.

2. *AECOM*

3. *2010 – Present*

VDOT, I-64/I-295 Ramp F, Richmond, VA

1. Mr. Porter served as project design engineer for a 538 meter (1765 ft) long curved steel girder bridge with maximum span lengths of 59 meter (194 ft) over I-64 and I-295, integral steel straddle bents, and 500 meter (1640 ft) Mechanically Stabilized Earth (MSE) walls. His responsibilities included Finite Element Model (FEM) analysis of the entire structure, design of the hammerhead piers and foundations, design of the supporting columns and foundations for the integral pier caps, high-load multi-rotational bearing design, expansion joint design, and construction support.

2. *AECOM*

3. *2002 –2008*

VDOT, Franklin Turnpike, Danville, VA

1. Mr. Porter served as project design engineer for this 640 FT long horizontally curved, 113 FT wide, 60 FT tall bridge structure crossing over Fall Creek and Norfolk Southern Railway. The bridge consists of corded continuous prestressed concrete bulb-T spans supported by hammerhead piers and stem wall abutments, which are founded on spread footings or steel piles. His responsibilities included foundation and substructure design.

2. *AECOM*

3. *2001 –2008*

VDOT, Madison Heights Bypass, Lynchburg, VA

1. Mr. Porter served as project design engineer for six (6) bridge structures; Route 29 Bypass, 2400 FT long twin bridges consisting of 172 FT long steel girder spans and 100 FT tall hammerhead piers over the James River and CSX Transportation; Route 29 Bypass/Route 460 interchange, 900 FT long twin bridges consisting of 172 FT long steel girder spans and 100 FT tall hammerhead piers; Existing Route 460, 250 FT long two-span semi-integral bridge over Route 29. His responsibilities included FEM analysis and design of drilled shaft foundations, hammerhead piers and abutments, deck design, expansion joint design, and bridge geometry.

2. *AECOM*

3. *1996 – 2003*

SCDOT, Carolina Bays Parkway SC-31 Design-Build, Myrtle Beach, SC (Alternative Delivery Method)

Mr. Porter served as project design engineer for this 22-mile highway design-build project which consisted of four (4) interchanges and 26 new bridge structures. His responsibilities included the design of three major bridge flyovers at the interchanges of SC 22 Conway Bypass, SC 9, and US 501. His efforts included the design of semi-integral abutments, design of straight/corded AASHTO and modified bulb-T continuous prestressed girders with spans ranging from 100 to 150 ft, deck design, elastomeric bearing design, seismic design, and construction support.

2. *AECOM*

3. *1999 –2004*

ATTACHMENT 3.3.1.6

KEY PERSONNEL RESUME FORM

Brief Resume of Key Personnel anticipated for the Project.
a. Name & Title: Bruce McLeod, Senior Vice President
b. Project Assignment: Public Relations Manager
c. Name of Firm with which you are now associated: Commonwealth Consultants
Years experience: With this Firm <u>11</u> Years With Other Firms <u>14</u> Years Please list chronologically (most recent experience first) your employment history, position and general experience or fields of practice for the last fifteen (15) years. (NOTE: If you have less than 15 years of experience, please list all of your experience for those years you have worked.): <i>Commonwealth Consultants, Senior Vice President; June 2001 - Present:</i> Mr. McLeod has applied his expertise in public relations, government relations and grassroots strategies to assist leading corporate clients in achieving local government zoning approvals, garnering citizen grassroots support on key issues, obtaining federal appropriations for clients and gaining favorable media attention. He has developed communications plans for clients that have enabled them to reach their target audiences and enhance their reputation. He has served as the lead strategist in developing public relations/community outreach plans for two of the nation's largest transportation projects – Dulles Corridor Metrorail Project and the Capital Beltway HOT Lanes Project. <i>Golin/Harris, Vice President; Dec. 1997 - June 2001:</i> As vice president at Golin/Harris, Mr. McLeod drew from his extensive experience in local government and public relations to develop strategies to assist clients on a broad range of public policy issues. Mr. McLeod lead the account team which provided public relations services to the Fairfax County Economic Development Authority and was deeply involved in the communications around the World Congress on Information Technology. Both required extensive media outreach to both domestic and international media.
d. Education: Name & Location of Institution(s)/Degree(s)/Year/Specialization: George Mason University Masters, 1996 Public Administration Michigan State University BA, 1986 Urban Policy
e. Active Registration: Year First Registered/ Discipline/VA Registration #: Chairman of the Board of Directors of the Phoenix Houses of the Mid-Atlantic Member of the Phoenix Houses Foundation Board of Directors Director Emeritus of the Fairfax County Park Foundation Past Chairman and founding member of the Park Foundation Past chairman of Celebrate Fairfax, Inc Member of the Fairfax County Chamber of Commerce Member of the Northern Virginia Technology Council
f. Document the extent and depth of your experience and qualifications relevant to the Project. 1. <i>Note your specific responsibilities and authorities for each assignment, not those of the firm.</i> 2. <i>Note whether experience is with current firm or with other firm.</i> 3. <i>Provide beginning and end dates for each assignment.</i> (List at least three (3), but no more than five (5) relevant projects for which you have performed a similar function.)

495 Express Lanes, Fairfax, Virginia

1. Senior Advisory Consultant, Community Outreach

In this capacity Mr. McLeod was the lead in developing the community outreach plan for the entire project working on behalf of both Transurban and Fluor-Lane. He worked with the stakeholders, contractor, VDOT and other parties to ensure construction related issues were addressed with any affected communities and businesses prior to construction taking place. He has been involved creating the public outreach materials, fact sheets as well as web site information to ensure all parties are well informed of the project. This included outreach efforts at homeowners association meetings, fairs and festivals as well as transportation fairs scheduled at nearby businesses.

2. *Commonwealth Consultants*

3. (2008 – present)

Dulles Corridor Metrorail Project- Phase I, Fairfax, Virginia

1. Communications Project Manager, Community Outreach

Mr. McLeod led the Commonwealth Consultants team in developing the Public Input Plan for the rail project – initially working for Dulles Transit Partners and then the Metropolitan Washington Airports Authority. Since starting on the project in 2005, Mr. McLeod has led the communication team in developing a comprehensive grassroots outreach plan to ensure all stakeholders in the project as well as the business and community are well informed on construction related issues. This has resulted in creating a database of 6,000 people to keep informed, daily traffic advisories issued, monthly newsletters written and distributed on the project as well as over 5,000 community meetings held to keep everyone informed on the project.

2. *Commonwealth Consultants*

3. (2005 – present)

Dulles Corridor Metrorail Project- Phase II, Fairfax, Virginia

1. Communications Project Manager, Community Outreach

Working on behalf of the Metropolitan Washington Airports Authority, Mr. McLeod is leading the Commonwealth Consultants team on public outreach for Phase 2 of the rail project. In that capacity he is managing all aspects of the public outreach activities including informational meetings to interested businesses, civic, professional and homeowners groups, development of fact sheets, web site content as well as overall outreach strategy.

2. *Commonwealth Consultants*

3. (2012 – ongoing)

I-95 HOT Lanes Project, Alexandria, Fairfax, Prince William, Stafford, Virginia

1. Senior Advisory Consultant, Community Outreach

Mr. McLeod led the Commonwealth Consultants team working on behalf of Transurban to inform the public of the benefits of the I-95 HOT Lanes project. He worked in tandem with Transurban, VDOT, Virginia Megaprojects, and Fluor-Lane on the public information hearings that were held in September 2011.

2. *Commonwealth Consultants*

3. (2010 – 2012)

ATTACHMENT 3.4.1(a)

LEAD CONTRACTOR - WORK HISTORY FORM

(LIMIT 1 PAGE PER PROJECT)

a. Project Name & Location	b. Name of the prime design consulting firm responsible for the overall project design.	c. Contact information of the Client or Owner and their Project Manager who can verify Firm's responsibilities.	d. Contract Completion Date (Original)	e. Contract Completion Date (Actual or Estimated)	f. Contract Value (in thousands)		g. Dollar Value of Work Performed by the Firm identified as the Lead Contractor for this procurement.(in thousands)
					Original Contract Value	Final or Estimated Contract Value	
Name: SH 130, Segments 5 and 6 Location: Austin to Seguin, Texas	Name: AECOM	Name of Client./ Owner: Texas DOT Project Manager: John Muñoz, Finance Division Deputy Director Phone: 512-486-5597 Email: john.munoz@txdot.gov	June 2013	Nov 2012	\$939,000	\$939,000	\$939,000

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.

FAI TEAM MEMBER: Ferrovial Agromán **AFFILIATE/SUBSIDIARY:** NO **AFFILIATE ROLE ON THIS PROJECT:** N/A **PROJECT DELIVERY METHOD:** Design-Build / P3

PROJECT DESCRIPTION: SH-130, Segments 5 and 6 (along with Segments 1-4 constructed and managed by the Texas DOT) will offer an alternative to IH-35 between San Antonio and Austin, enabling traffic to bypass the highly congested area of central Austin. This 40 mile, \$1.3 billion project is being built and operated by the SH 130 Concession Company LLC, a Cintra led consortium, in the first Greenfield P3 in Texas. The project scope includes 1.8 M tons of asphalt paving, 72 bridges totaling over 2.5 M SF in deck area, over 325,000 SF of retaining walls, and nearly 35 M CY of excavation and embankment. Design-build work began in late 2007 and is scheduled for completion in 2012, 8 months ahead of schedule.

For this project, Cintra led the development and was joined by a Design & Construction Joint Venture formed by Ferrovial Agromán and Zachry Construction Corporation. Central Texas Highway Constructors, a Ferrovial Agromán-led joint venture with a local construction company, is designing and constructing the project under a design build agreement with the SH 130 Concession Company LLC.

LESSONS LEARNED / KEYS TO SUCCESS:

Optimizations - AECOM as lead designer provides roadway optimizations on earthwork, median ditches, toll ramp geometry, and stack flips. A \$12 million cost savings was introduced at the SH 45/US 183 interchange through numerous optimizations. Structural designs consists of precast concrete beams and steel beams. AECOM also provides structural design optimizations that includes the following:

- **Retaining Wall versus Bridge Length Optimizations** – For a variety of bridge end scenarios where retaining walls were used for a variety of embankment heights, AECOM studied and compared quantities and construction costs for MSE wall and bridge construction to find the optimum or shortest feasible bridge lengths.
- **Beam Optimization** – AECOM prepared preliminary designs and compared prestressed beam quantities between the traditional Texas beam (Type IV) and the new Texas prestressed girder of similar depth (Tx54). Using the more efficient Tx54 girder, the girder spacing was increased, reducing the number of beams required per span. For all 51 bridges on the project, AECOM saved approximately 44,000 linear feet of prestressed beam length and 1.3 million linear feet of prestressing strand by using Tx54 girders in place of Type IV beams.
- **Slab Optimization** – AECOM studied a variety of beam spacings (3-inch increments) for performance of the TxDOT standard transverse reinforcing steel arrangement (#5 @ 6 inches) on TxDOT standard prestressed concrete deck panels with a reduced overall thickness of 7.5 inches. As a result of the study, AECOM saved 0.5-inch of deck thickness on all bridges with girder spacings up to 9.75 feet.
- **Abutment Cap and Drilled Shaft Optimization** – For end spans up to 135 feet, AECOM analyzed the performance of 30-inch-diameter drilled shafts (36-inch-diameter standard) on a 2.75-foot abutment cap width (3.5-foot standard). Results showed adequate structural capacity of the reduced cap section and adequate resistance to lateral deflections of the smaller drilled shafts.
- **Bent Cap Optimization** – For spans up to 135 feet, AECOM analyzed the performance of a 3.25-foot square bent cap (3.5-foot-square standard) in typical multi-column bents. Results showed adequate structural capacity of the reduced cap section.
- **Bent Column Optimization** – For spans up to 135 feet and for a variety of column heights, AECOM analyzed the performance of a 30-inch-diameter column (36-inch-diameter standard) in typical multi-column bents. Results showed adequate structural capacity of the reduced column section.
- **Bent Optimization for Direct Connector Bridges** – AECOM studied several bent types (single column, two column, straddle bents) for purposes of developing optimized bent cap, column, and foundation sizes for a variety of spans and column heights.
- **Existing Structures Evaluations** – AECOM conducted many studies to determine the feasibility of retaining existing bridges and culverts in the SH 130 corridor for conformance with current design criteria.



A \$12 million cost savings was introduced at the SH 45/US 183 interchange through numerous optimizations

ATTACHMENT 3.4.1(a)

LEAD CONTRACTOR - WORK HISTORY FORM

(LIMIT 1 PAGE PER PROJECT)

a. Project Name & Location	b. Name of the prime design consulting firm responsible for the overall project design.	c. Contact information of the Client or Owner and their Project Manager who can verify Firm's responsibilities.	d. Contract Completion Date (Original)	e. Contract Completion Date (Actual or Estimated)	f. Contract Value (in thousands)		g. Dollar Value of Work Performed by the Firm identified as the Lead Contractor for this procurement.(in thousands)
					Original Contract Value	Final or Estimated Contract Value	
Name: SR 202 Section 403, 404, 405 Location: Upper Merion & Treddyffrin Townships, Montgomery County, PA	Name: URS	Name of Client./ Owner: Pennsylvania Department of Transportation Phone: 610-205-6680 Project Manager: Mark Compton Phone: 717-787-5628 Email: mcompton@state.pa.us	Dec 2003	Oct 2003	\$181,442	\$211,476	\$211,476

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.

FAI TEAM MEMBER: AI-VA **AFFILIATE/SUBSIDIARY:** YES - Allan A. Myers **AFFILIATE ROLE ON THIS PROJECT:** Shared resources **PROJECT DELIVERY METHOD:** Design Bid Build

AWARDS/RECOGNITION: 2003 Project of the Year – Pennsylvania Partnership for Highway Quality; Excellence in Concrete Pavement, Traffic Management – American Concrete Pavement Association; Maintenance and Protection of Traffic – Pennsylvania Partnership for Highway Quality; Structure Award, 150 Ft. or Greater (Norfolk Southern RR Bridge) – Pennsylvania Partnership for Highway Quality; Governor’s Letter of Commendation – Pennsylvania Governor Edward G. Rendell; Merit Construction Award of Excellence – Associated Builders and Contractors, Southeast Pennsylvania Chapter; Arthur L. Powell Award of Excellence in Restoration and Property Management – Greater Valley Forge Chamber of Commerce External

PROJECT DESCRIPTION: American Infrastructure completed this three and a half year, \$211.5 million, limited access highway reconstruction project ahead of schedule. At that time, it was the largest highway construction project awarded by the Pennsylvania Department of Transportation. This phased project, on SR 202 project involved the reconstructing a complex, multiple interstate, highway interchange and a new, mile-long, multi-lane ramp linking SR 202 with Pennsylvania Turnpike I-76. Construction took place in front of the second largest mall on the East Coast, King of Prussia Mall, in the busy northwestern suburbs of Philadelphia, PA. Construction spanned a Christmas holiday with no disturbance to the Christmas shopping traffic. The overall project consisted of three major, individual contracts; respectively referenced as Sections 403, 404 and 405. Collectively, the project scope required constructing 19 bridges (including major, complex, curved and continuous structures), 12 retaining walls, 350,000 SY of concrete paving, and 50,000 LF of drainage and storm water piping. Also included was an ITS system of CCTV cameras, incident detectors and electronic message boards accompanied by more than 32 miles of fiber-optic cable within the project limits, and an additional 10 miles of cable beyond these limits. The project took place within an area of roughly one square mile, with construction centered near King of Prussia, PA; an important commercial hub with the busiest intersection in the state. Consequently, AI employed extraordinary measures to safely and efficiently accommodate the traffic volume and maintain positive public relations for the owner. Sub-surface conditions were also challenging. After excavation started, an expanding network of sinkholes was discovered, eventually requiring 1.4 million cu. ft. of pressure-injected grout. AI’s project team successfully managed all challenges on this complex project, completing the work ahead of schedule.

LESSONS LEARNED / KEYS TO SUCCESS:

- **SUCCESSFULLY WORKING IN A CONGESTED AREA** - The busy nature and restricted footprint of this site required very detailed advance planning and collaboration with stakeholders to succeed. In particular, the intersection of Gulph Road and SR 202, located in front of the popular King of Prussia Mall and considered the busiest intersection in Pennsylvania, needed to be completely demolished and rebuilt. This required an extraordinary level of planning. The AI team successfully completed this work ahead of schedule and earned two milestone bonuses on this section of the contract.
- **INNOVATION** - Innovative approaches can make huge impacts. This is evident in the approach taken with the railway bridge over I-76. AI completely pre-constructed this twin-span rail bridge in an area adjacent to where the bridge would span the interstate. In a five-hour window ending 5:00 a.m. on a Sunday morning, this pre-constructed bridge was “launched” into position over I-76 with minimal, resulting traffic disruption.
- **PLANNING FOR TRAFFIC** – It is important to fully understand the traffic; design for it, prepare for it and be diligent in managing it. I-76 is a key route for commuters from the northern and western suburbs of Philadelphia. With over 100,000 daily weekday commuters, safe and effective maintenance of traffic was critical to the completion of this section of the project a full month ahead of schedule.



Aerial view of flyover ramps



Ramp from new road alignment to existing SR 422



City of Alexandria, Virginia

State Project No.:
0095-100-722, 1395-100-736

Federal Project No.:
NH-000S, pending

