Expression of Interest
WV Army National Guard
Joint Operations Facility
Purchase Order No. DEFK11028

Submitted to:

Purchasing Division
2019 Washington Street, East
P. O. Box 50130
Charleston, WV 25305-0130

Submitted by:

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One Moore Avenue
Buckhannon , WV 26201
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Stantec

tableofcontents

SECTION 1

Expression of Interest

Stantec

March 21, 2011

West Virginia Army National Guard
Joint Forces Headquarters
Construction and Facilities Management Office
1703 Coonskin Drive
Charleston, West Virginia 25311

Attention: Procurement Officer/Selection Committee

Subject: WV Army National Guard
Joint Emergency Operations Center
 # DEFK11028

Stantec Consulting Services Inc. is pleased to submit this response to the solicitation for Expression(s) of Interest (EOI) for architectural/engineering services for a specially designed Joint Emergence Operations Center in the vicinity of the WV National Guard State Headquarters in Charleston, WV. We understand that the design will include the following features:

- conformance to established Force Protection Standards;

- contain approximately 65 to 70 thousand square feet (initial estimate) of floor space to support elements of the WV National Guard, National Weather Service, WV Division of Highways, State of WV Emergency Operation Center, and other smaller state elements active during state emergencies;

- permanent masonry type construction of brick and concrete block with concrete floors and metal or single membrane roof;

- two story construction with mechanical and electrical equipment;

- outside supporting facilities including parking, fencing, sidewalks, exterior fire protection (if needed), outside lighting, access roads, facility sign;

- physical security measures including maximum feasible standoff distance from roads, parking areas, and vehicle unloading areas; alternatively, berms, heavy landscaping, and bollards can be used to prevent access when standoff distance cannot be maintained;

- cost effective energy conserving features will be incorporated including energy management control systems, high efficiency motors, lighting, and HVAC systems.

- conformance to LEED Silver design features

We further understand that the terms contained in Part 3 of the EOI Request are binding and that the requirements contained in the solicitation and our response thereto will be included in the order of precedence as set forth in section 3.4.6. We have made a copy of the solicitation (including signed pages 1, 2, and 3, Purchasing Affidavit page 15, and Addendum 1 pages 1 and 2) a part of our response (see **Section VII** of this response to the EOI solicitation).

STANTEC FIRM OVERVIEW

Founded in 1954, Stantec provides full service professional planning, engineering, architecture, and project management (with a focus on sustainable design solutions) to a broad spectrum of public and private sector clients. Stantec ranks among the top providers of architectural, engineering, and planning services in North America, and is consistently ranked in the upper percentage of the 500 top U.S. Design Firms (we are currently ranked 24th) as determined by Engineering News-Record. Stantec handles assignments ranging from small to very large design and construction service projects. The firm's ability to compete successfully on such an extensive range of projects is directly related to it's ability to effectively share resources and expertise from a highly qualified and diverse staff. Stantec has some 10,000 employees located in approximately 150 offices across North America. Stantec resources in West Virginia include a staff of some 35 professional and support personnel based in an office in Buckhannon, WV, and a nationally accredited construction materials testing laboratory also located in Buckhannon.

Stantec combines technical expertise with global experience to offer a complete range of project management, scientific, architectural, and engineering design services that span the entire project life cycle. Through our people, best practices, partnerships, and technology, we support the successful delivery of projects varying in size and complexity.

Stantec provides professional consulting services in planning, engineering, architecture, interior design, landscape architecture, surveying, environmental sciences, commissioning, project management, and project economics for infrastructure and facilities projects. Continually striving to balance economic, environmental, and social responsibilities, we are recognized as a world-class leader and innovator in the delivery of sustainable solutions. We support public and private sector clients in a diverse range of markets, at every stage, from initial concept and financial feasibility to project completion and beyond.

Today's design environment has radically changed since our founding in 1954. Constantly evolving design standards, building systems, technology upgrades, communication systems, environmental requirements, security requirements, and support facility requirements necessitate that consulting firms master and implement the applicable advances in services provided for clients. Not only does Stantec stay abreast of these changes, but our employees contribute to development of these improvements through participation in technical committees of standards developing organizations such as ASTM

International. Our on-going collaborations and partnerships with federal, state, and local regulatory personnel over the years have created relationships of mutual trust and respect.

Stantec has the in-house experience and resources to bring a project from concept to completion. To do so, we cultivate an integrated relationship between clients, funding agencies, regulators, and other parties of interest. This process entails a balance of development objectives, infrastructure requirements, environmental and social impacts, and economic feasibility. Throughout a project's course, Stantec is equipped to serve the needs of our clients. (See **Section II**, Overview and Selected Practice Area Profiles for additional information).

STANTEC'S APPROACH

Stantec has provided architectural/engineering and planning services for numerous private and public facilities throughout North America. Our experience, combined with our thorough knowledge of federal and state regulations and procedures, allows us to quickly resolve site-specific issues by identifying a solution that fulfills the development objective and complies with regulatory requirements. Stantec project management methods repeatedly result in projects that are completed within budget and on time, even if unforeseeable issues arise.

Stantec understands that most improvement projects envisioned in the current fiscally constrained and tightly regulated environment require a comprehensive team approach. Projects such as the Joint Emergency Operations Center in the vicinity of the National Guard Joint Headquarters in Charleston WV require involvement of numerous consulting disciplines. With all such disciplines available in-house, Stantec has created a unique project management model that integrates various disciplines at the project's inception. Stantec's approach leads to planning and design projects that are based on sound engineering principles and estimates, which in turn leads to timely permitting, advertisement, award, construction, and completion of the needed facilities.

DESIGN

Our planning and design experience includes a wide range of projects for government agencies and private sector development. (See **Section IV**, Relevant Project Briefs, for additional information.)

Utilities and Drainage Engineering

Stantec provides comprehensive services for site development including utilities planning and design. Our team of qualified engineers and designers work jointly to complete engineering analyses to identify existing on-site and off-site utilities, the potential for system upgrades to meet the demands of the proposed project, and efficient utility corridors. Stantec routinely analyzes pre- and post-development drainage calculations to ensure that existing and proposed drainage system designs are adequate to support

Surveying

The Stantec staff includes licensed professional surveyors experienced in site development, boundary, and construction surveys. The surveys furnish topographic and planimetric information from which engineering and planning decisions are made. These surveys are also the basis for determining where new buildings,

roads, parking areas, and utility corridors should be situated. Our professional surveyors also assist in the construction layout and in verifying conformity with construction contract documents. Updates to property maps and delineation are also routinely conducted.

Along with standard property and topographic survey, Stantec can also provide 3D laser scans of a facility at completion or periodically during construction if specified by the client for permanent archival records.

ENGINEERING AND CONSTRUCTION PHASING

Stantec's success in providing its clients with high-quality projects that are completed on time and within budget is enhanced by our seasoned construction staff. With experience ranging from inspection, tests, and documentation of construction activities at the job site for compliance with specifications to review of shop drawings and certifications from fabricators, manufacturers, and suppliers, our team of engineers is fully capable of managing any type of construction project.

Our engineers, inspectors, technicians, and commissioning personnel are familiar with upcoming construction projects prior to construction. This provides continuity between the office and the work site once construction begins. Construction personnel assist in quality control reviews during the design stage, thus allowing a project to be reviewed from a field perspective to facilitate constructability of the work.

The services of competent construction engineers and inspectors are essential to document that design criteria are met and schedules maintained. When construction begins, construction personnel act as the liaison between the project manager, the client, and the contractor regarding such topics as project direction, quality and cost control, design conformance, scheduling, inspection, and progress payments. The contractor's quality control testing and the methods employed are monitored by our experienced construction engineering staff for adherence to standards. The results are reviewed on-site with the contractor.

The presence of an experienced full-time inspector with periodic engineering oversite is essential to implement the construction plans as developed and approved. Our inspector provides a mechanism to monitor the contract documents and deal directly and immediately with differing site conditions that may affect established phasing and sequencing plans.

Stantec's WV office will be the base of operations for this project. Planning, surveying, and design work on this proposed project will be completed by Stantec staff from our Buckhannon, WV office with support from our Winston-Salem, NC, Lexington, KY, and Columbus OH, offices. Project QA/QC services, and construction management services will be provided by our Accredited Laboratory in Buckhannon, WV with commissioning support from our Hauppauge, NY, office. Additional assistance, if needed, will be provided from other Stantec offices.

Stantec will provide architectural/engineering, planning, design, construction management, commissioning, and ancillary consulting services for all phases of the Joint Emergency Operations Center and Supporting Facilities project including all items required by the solicitation and final scope of services agreement.

RESUMES OF KEY PERSONNEL AVAILABLE FOR THE PROJECT

One of the most important factors in the success of any project, or provision of any professional service, is the experience and qualifications of the key personnel who would be involved in the project. Note that individuals perform services, and firms provide support for these individuals. The proposed organization chart and resumes of key people who are currently available for assignment to the proposed project are included in **Section III** of this response to the EOI solicitation.

PROPOSED PROJECT MANAGEMENT PLAN

We have outlined below our initial approach to complete the proposed project successfully.

Pre-design: After selection of our firm to provide services on the project our key project representatives will:

1. Schedule a Pre-Design meeting with representatives of the Army National Guard, other appropriate agencies, and any others parties that are required. The purpose of this meeting is; a) to introduce ourselves; b) to briefly discuss project design, constraints, program requirements and points needed to achieve LEED Silver Certification, project schedule and criteria; c) be advised what information will be furnished by the National Guard and/or other parties; d) discuss any environmental inspections that may be required to document that the proposed improvements will not have a significant adverse impact upon the environment; e)determine the need for any special services to be provided; f) review required security (including background check requirements), identification, and passes; and g) other items as determined by the Army National Guard.

2. Inspect the existing site, any obstructions, the specific improvements required, and, if necessary, discuss further the order in which the work should be accomplished.

3. Obtain a copy of any existing plans, reports, and other documents pertinent to the area that will be impacted by design and construction for review and reference.

5. Prepare and submit a detailed work scope with a schedule and fee proposal. If necessary, make revisions to the scope of work, fees and schedule. (Information obtained from items 1, 2, and 3 will be used to prepare the detailed work scope and fee proposal.)

6. Execute an agreement for the proposed work.

Preliminary Design: Once an agreement has been executed, complete the following services:

1. Notify the West Virginia Utility Protection Service (MUWV) of the proposed project and request that they identify any public utilities within the proposed work area. Request that the National Guard identify and mark private utilities within the proposed work area.

2. Evaluate the LEED categories and points requirements and determine which potential credits that will be utilized in the design criteria for each element of the project. Initiate the LEED registration process for new construction with GBCI for the project.

3. Conduct preliminary geotechnical review of the site and determine the number and approximate location of borings and subsurface sampling/testing needed. Prepare a geotechnical boring, testing and sampling plan. If required, provide environmental inspection of the proposed project site. Check for impacts to existing streams and wetlands, floodplains, endangered species, biotic communities, essential fish habitat, farmland, migratory birds, parks or refuges, hazardous materials, surface transportation, and water quality. If the project involves disturbing previously undisturbed ground, check for archaeological and historic resources. Check the latest EPA air quality compliance maps and determine if the project will adversely impact an area that does not meet air quality standards. Check compatible land use, construction impacts, energy supply and natural resource use, environmental justice, potential adverse noise and light impacts, and other factors that might cause the proposed project to be controversial. Make recommendations regarding any environmental issues that may require mitigation as part of the project.

4. Conduct a topographic survey to obtain existing ground elevations, culverts, structures, light fixtures, pavement edges, utility lines, and other objects within the proposed work areas which will be required for design. Stakeout boring locations.

5. Obtain soil and rock samples. Test the samples to determine critical strength and other design properties. Prepare geotechnical recommendations and report. Use this information to properly design proposed foundation, pavement, and parking sections. Review the benefits of each alternative design with the Army National Guard.

6. Discuss access to the site for construction with the Army National Guard and prepare a Safety and Phasing Plan. Review the plan with the National Guard. Make any revisions requested. Submit the plan for review and approval.

7. Prepare preliminary plans that show the general design of the project, such as horizontal and vertical alignment, general notes, estimated items of work, and details. Include alternates for pavement design. Prepare draft specifications and bid documents. Discuss and determine the specific contractor liquidated damages amount.

8. Prepare a preliminary estimate of construction costs.

9. Submit copies of the preliminary documents to the Army National Guard and review the documents with them. Process the application for LEED certification of the design with GBCI.

Final Design: Once the preliminary design has been reviewed and we have been authorized to proceed with final design we will complete the following services:

1. Prepare final drawings consisting of a title sheet, general notes, an estimated quantity table, plan/profile sheets, cross sections, drainage and grading plans, marking and lighting plans, detail sheets, and other drawings, as required.

2. Prepare final Specifications and Bidding Documents containing the Legal Notice, Information To Bidders, Bid Form, Bid Guaranty forms, Contract Form, Bond forms, General Provisions, Special Provisions, Detailed Provisions, and other documents required for the proposed project. We will obtain a copy of current federal and/or state prevailing wage rates prior to bidding.

3. Prepare a final estimate of construction costs.

4. Submit copies of these documents to the Army National Guard and review the documents with them. Make any required revisions.

Bidding: After authorization to proceed with the Bidding, we will:

1. Update our opinion of probable construction cost.

2. Provide a copy of the Legal Notice to the desired newspapers, and mail or FAX a copy to prospective bidders.

3. Print and distribute sets of Final Plans, Specifications and Bidding Documents to prospective bidders.

4. Issue any addenda as appropriate to interpret, clarify or expand the Plans, Specifications and Bidding Documents.

5. Schedule and conduct a Pre-Bid meeting with the Army National Guard, other Agency Authorities, and prospective bidders to discuss the Project, Plans, Specifications and Bidding Documents.

6. Attend the bid opening, prepare bid tabulation sheets, and assist the National Guard in evaluating bids or proposals.

Construction Administration: After authorization by the National Guard, we will provide the following services:

1. Prepare the required construction contracts using forms included in the Bid Documents, and forward them to the selected contractor(s) with all remaining forms that need completion. Review executed contract, insurance certificates, worker's compensation certificate, and executed forms for compliance with the project requirements. Bind all contract documents and forward them to the National Guard for execution.

2. Schedule and conduct a Pre-Construction Conference with the Army National Guard, the Contractor, the testing representative, the Resident Construction Inspector, and federal and state authorities, as applicable.

3. Prepare a Notice-To-Proceed, listing the completion date and any liquidated damages that may be assessed for Army National Guard approval and issuance.

4. Make engineering/architectural visits to the site at intervals appropriate to the various stages of construction to observe the progress and quality of the Contractor's work.

5. Issue necessary interpretations and clarifications of the Contract Documents and in connection therewith prepare work directive changes and change orders as required.

6. Review and approve (or take other appropriate action in respect of) Shop Drawings, certifications, samples and other data which the Contractor is required to submit.

7. Evaluate and determine the acceptability of substitute materials and equipment proposed by Contractor.

8. Obtain proctor tests for existing soils and proposed aggregates. Test proposed aggregates for gradation. Perform density testing of subgrade. Perform daily gradation tests on aggregates delivered to the site, and density tests on in-place aggregates. Inspect and test hydraulic cement concrete production and placement and/or asphalt mix production and placement to verify compliance with specification requirements. Obtain cores of in-place asphalt and or hydraulic cement concrete for testing when required.

9. Determine the amounts owing to Contractor and recommend payments.

10. Obtain and review reproducible record prints of Drawings showing those changes made during the construction process from the contractor.

Project Inspection: During construction, provide the following services:

1. Provide a qualified and experienced construction inspector at the site full time during construction.

2. Keep a daily record of construction activity, weather, equipment, and labor on the site.

3. Make all required acceptance tests, and verify that all required quality control tests are being made by Contractor.

4. Verify use of materials that have been approved for the project.

5. Communicate deficiencies in materials or workmanship with the contractor.

6. Provide professional commissioning services for all installed systems in accordance with agreed upon Army National Guard requirements. Process the request for LEED certification of the finished construction to GBCI.

7. Conduct a final punch-list inspection of the completed project with the contractor, representatives of the Army National Guard, and representatives of other appropriate agencies/organizations. Provide contractor and Army National Guard a copy of items requiring correction, if any.

8. Prepare and submit the project closeout report, complete with as-built plans, all documents and photographs of construction, and LEED Certification, subsequent to correction of punch list items at completion of the project, if any..

QUALITY CONTROL/QUALITY ASSURANCE

Stantec's Project Management (PM) Framework mandates compliance on all Stantec projects/contracts with the requirements of our ISO9001:2008 Registered Quality Management System.

Quality control of construction materials and work is outlined in the proposed project management plan hereinbefore noted.

Project cost control is rigorously pursued by our designers during each phase of the work. These efforts include comparison of alternate design costs, alternative materials costs, and construction bid alternates, with final decisions based on whether the completed project will fulfill the client's requirements.

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We are pleased with this opportunity to establish a working relationship with the West Virginia Army National Guard Construction and Facilities Management Office.

Should any questions arise, or if we can supply additional information or be of further service to you, please contact me by e-mail at garland.steele@stantec.com or Herbert Parsons, PE at herb.parsons@stantec.com. Alternatively contact Herbert Parsons by telephone at (304) 997-9727 or (304) 472-7140 ext. 103, or me at (304) 545-3768.

Yours very truly

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gws:vb

SECTION II

Overview and Selected Area Practice Profiles

Company Overview

Stantec, founded in 1954, provides professional consulting services in planning, engineering, architecture, interior design, landscape architecture, surveying, environmental sciences, project management, and project economics for infrastructure and facilities projects. Continually striving to balance economic, environmental, and social responsibilities, we are recognized as a world-class leader and innovator in the delivery of sustainable solutions. We support public and private sector clients in a diverse range of markets, at every stage, from initial concept and financial feasibility to project completion and beyond.

In simple terms, the world of Stantec is the water we drink, the routes we travel, the buildings we visit, the industries in which we work, and the neighborhoods we call home. Stantec's infinite solutions together with our clients' concepts, needs and ideas provide successful project delivery.

Our services are offered through over 10,000 employees operating out of more than 150 locations in North America. Stantec trades on the TSX and on the NYSE under the symbol STN. The list on the right identifies the practice areas provided by the firm.

Firmly committed to continuous innovation, Stantec adopts a fully integrated approach to projects. Our multidisciplinary practice areas serve public and private sector clients in a diverse range of markets.

Our West Virginia offices (Buckhannon and St. Albans) are staffed with a diverse group of experienced engineers, surveyors and inspectors .The following pages provide additional information on the variety of services that we provide.

Practice Areas:

- Architecture & Interior Design
- Buildings Engineering
- Facilities Planning & Operations
- Surveys/Geomatics
- Environmental Infrastructure
- Environmental Management
- Environmental Remediation
- Geotechnical Engineering
- Bio/Pharmaceuticals
- Manufacturing
- Mining
- Power
- Resources
- Program & Project Management
- Strategic Management
- Infrastructure Management & Pavement Engineering
- Transportation
- Transportation Planning & Traffic Engineering
- Commercial Program Development
- Construction Administration
- Planning & Landscape Architecture
- Urban Land Engineering

Program & Project MANAGEMENT

THE CLIENT'S CHALLENGE

Clients investing in capital projects and programs face a number of difficult challenges. These may include limited internal project management staff, expertise, and experience; a tight budget and schedule; and the need to maintain normal business operations throughout the project life cycle. Furthermore, conflicting pressures on consultants, contractors, and other stakeholders can affect team relationships, making defining project scope and objectives, assessing and managing risk, and implementing the project plan a challenge.

Another major challenge is dealing with fragmented project information. Whether from poor communication, inconsistent data formats, or the lack of integrated project tools, this fragmentation often prevents informed decision making, thereby increasing risk and negatively affecting project cost, schedule, and quality.

Overcoming the Challenge

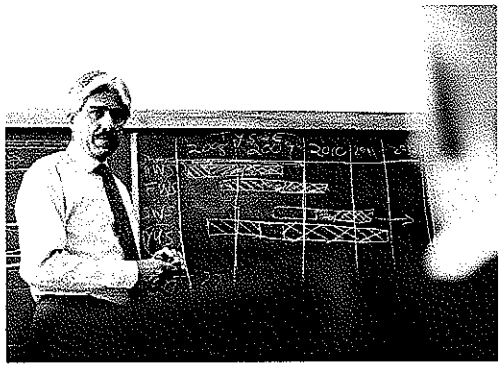
Stantec's award-winning Program & Project Management (P&PM) group helps clients overcome capital project challenges through the use of formal project management processes by experienced and trained personnel enabled by project management technology. By providing strong leadership, managing complex relationships, developing effective communication strategies, and implementing rigorous project management and controls processes, Stantec leads, supports, or advises clients through all stages of the project life cycle.

Defining Success

Successful program and project management occurs when the final product meets or exceeds the client's objectives with respect to scope, budget, schedule, function, and quality. But more importantly, Stantec's project management professionals are satisfied only when we have gained the trust of our clients. We accomplish this by focusing on key issues as well as continually representing our clients' interests and keeping them informed so that sound and timely decisions can be made.

Investing in Success

Project management, either in-house or outsourced, typically costs a small fraction of the overall capital project budget. Investing in the quality of these services to manage your project can save significant time and money.



SUSTAINABILITY AT STANTEC

At Stantec, we're helping advance sustainability in rural and urban communities across North America through integrated planning and design processes.

The process starts with working with our clients to establish a vision through interactive stakeholder engagement processes, informed by in-depth industry and technical knowledge. We then translate this information into official plans, bylaws, sustainability planning documents, and development concept plans that reflect a strong understanding of the organizational culture, within a framework of sustainability.

These working documents help establish targets and chart investment planning over short and long-term horizons. Just as importantly, they establish a roadmap for the sustained well-being of a community by identifying strategic pathways and actions which address the full range of development, quality of life, and infrastructure issues—such as facilities inventories, transportation systems, open space plans, water conservation, and waste management—through a sustainability lens.

Stantec offers:

- An integrated community sustainability planning process which includes baseline assessments, strategy development, creative engagement, implementation, and monitoring
- Extensive experience in developing climate change strategies, policies, and programs for communities and regions
- Integrated development processes for the planning and design of neighborhoods, Brownfield and Greenfield sites, waterfronts, and infill sites
- A proven consultation and facilitation track record with stakeholders and the public, including large and diverse groups of participants
- Seasoned managers who keep projects with multiple deliverables and tight timelines on-budget and on-schedule
- Versatile staff with specialized knowledge in management, planning, design, economics, buildings and energy performance, greenhouse gas emissions, land planning and environmental management, and natural resources

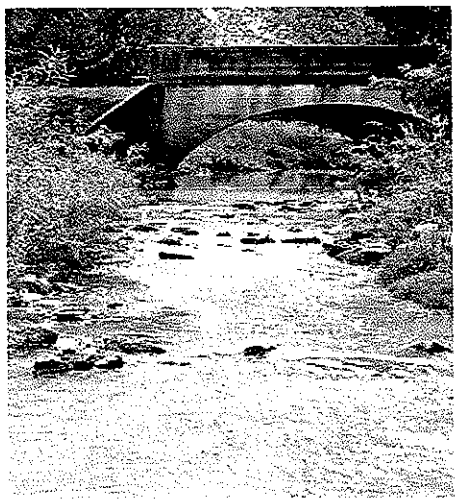
LEED® ND, Master Planning, and Land Development

Development is intrinsically entwined with fiscal, environmental, social, and cultural factors. Proactive communities know that smart development creates economic opportunities while also protecting and enhancing the environment and human health and well being. That's why Stantec helps clients to address development through a sustainability lens, while applying targeted experience as needed. This approach is grounded in thorough knowledge of principles and design practices related to livable, resilient, and sustainable communities. Through urban design, landscape architecture, and master planning, we apply sustainability concepts, policies, and regulations "on-the-ground" through Integrated Design Processes that focus on:

- LEED for Neighborhood Development (LEED®ND)
- Transit Oriented Developments (TODs)
- Neighborhood concept plans and master plans
- Sustainable landscape architecture and public Realm design
- Downtown revitalization plans
- Brownfield/infill redevelopments

FEDERAL SERVICES

For decades, Stantec has proudly served military and civilian federal clients, providing professional design and technical services across the nation. Against this backdrop of experience, we understand the compelling present Day needs of today's federal government agencies in meeting the facilities infrastructure, environmental, and sustainability challenges of the future.



How We Help

- Full-service capability throughout the life cycle of a project—planning, design, construction, maintenance, and decommissioning
- Leading sustainable design firm, with more than 250 projects in the LEED® registered or certified stage, impacting millions of square feet of built space
- Early adopter of advanced design technologies including Building Information Modeling (BIM), integrated design process (IDP), and 3D laser scanning (3DLS)
- Company-wide registration to the International Organization for Standardization's (ISO) 9001:2000 Quality Management Systems standard
- Past and ongoing highly rated performance on GSA Schedules and federal ID/IQ contracts
- Extensive international experience and partnerships overseas

Stantec delivers a host of project types to our federal clients, from housing, offices, hospitals, hangars, and labs to transportation networks and environmental and infrastructure improvements. We understand our clients' performance expectations, so our on-time, on-budget delivery standards are propelled by systems which are accountable and transparent, and constructible, reliable, sustainable designs.

We also team with some of the nation's top experts—specialty service providers, veteran- and woman-owned, small, minority, and disadvantaged business concerns—to serve the project requirements. All you see is a seamless project delivery system, in sync with your operations. Our broad federal resume is highlighted by:

- Water Resources (flood protection including levees, dams, seismic analyses, navigation, ecosystem restoration, recreation)
- Architecture/Building Engineering Design and Retrofits for a variety of uses
- HTRW/Environmental Site Remediation
- Military Services
- Civil/Geotechnical/H&H Engineering and Landscape Architecture
- Sustainable buildings and communities
- Road, Bridge, Rail, and Airport Planning and Design
- Water, Wastewater, Stormwater, Sewer, and other utility systems
- Biophysical and Ecological Services

ACASS Ratings

We have received exceptional ACASS ratings from our federal clients for more than 30 years. We consistently perform at Excellent or Above Average on individual task orders.

Active GSA Schedules and ID/IQ Contract Vehicles

One way we can assist our federal clients in rapidly accessing and utilizing our services is via several nationwide GSA Federal Supply Schedules (FSS) and targeted ID/IQ contracts. These provide clients with direct access to our staff and services through existing government-wide acquisition vehicles.

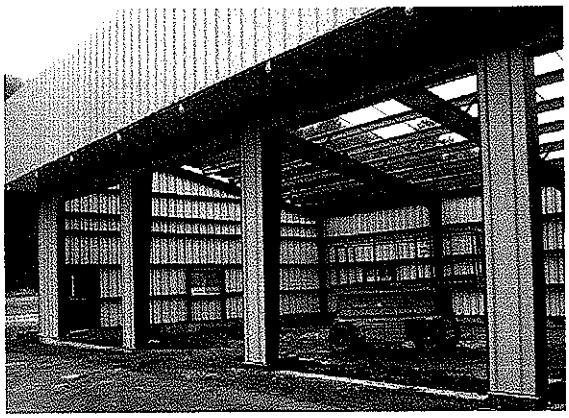
STANTEC ARCHITECTURE'S VISION

To be a pre-eminent design practice recognized for quality, innovation, and integrity. Our vision will be achieved through:

DESIGN EXCELLENCE Designs characterized by clear ideas rooted in deep understanding of context, function, and best practices, in pursuit of our clients' objectives.

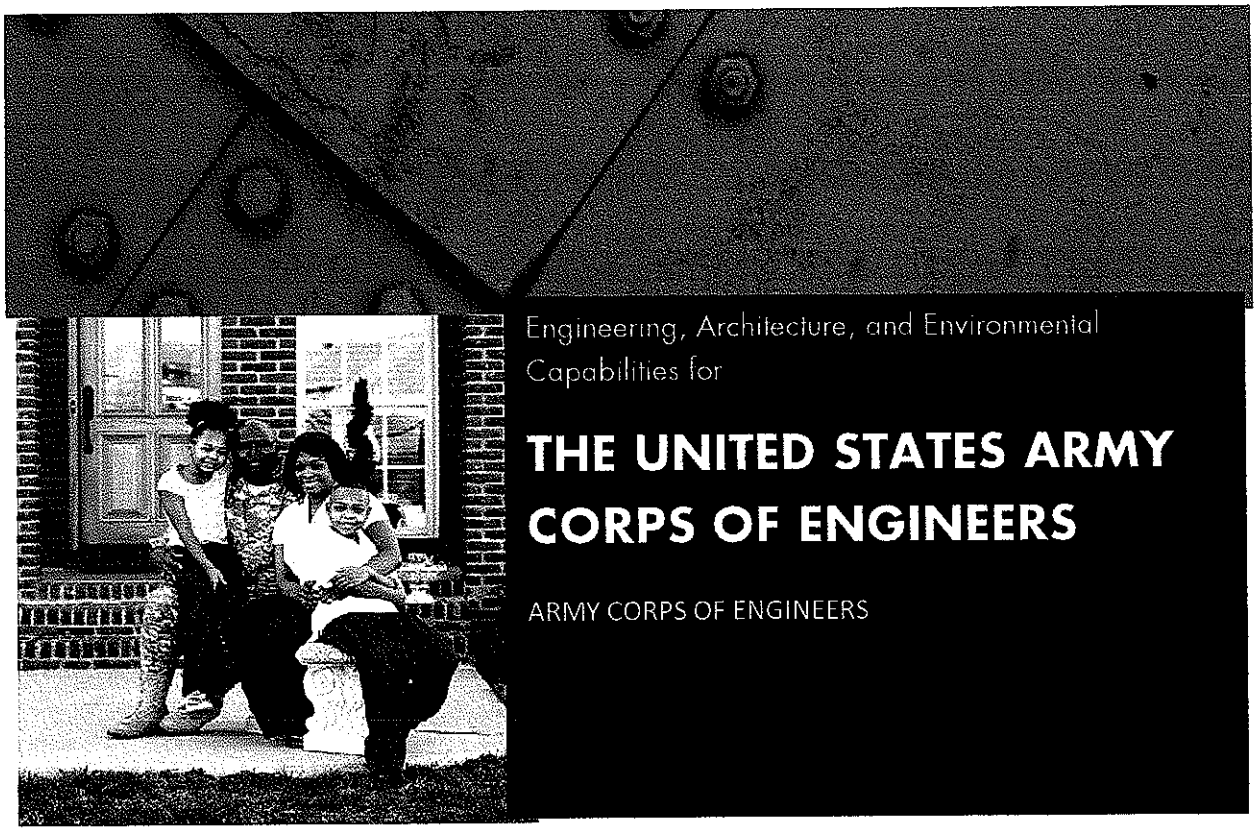
PASSIONAT E PEOPLE A team of energetic and talented design professionals, committed to the enduring quality of the built environment.

INTEGRAT ED DESIGN A team approach to design, integrating all stakeholders and disciplines to develop environmentally, socially, and economically sustainable solutions.



At Stantec our passion for the design quality of the built environment has led to a reputation for creating high-performance, fiscally responsible, and award-winning buildings. We work collaboratively, matching expertise to client and community goals. We specialize in airports, education, healthcare and research facilities, workplace, retail, justice, industrial, transportation, water/wastewater, sports and recreation, hospitality ,and commercial program development

We create designs that are timeless, intelligent, and sustainable. From pre-design to contract administration, we provide a full range of design services to our clients, supported by the expertise and experience of a professional team across North America.



Engineering, Architecture, and Environmental Capabilities for

THE UNITED STATES ARMY CORPS OF ENGINEERS

ARMY CORPS OF ENGINEERS

Stantec has provided design services on U.S. military installations across the country. Our work has been delivered under individual and ID/IQ contracts and can be found at these installations, among others:

Fort Bragg, North Carolina
Fort Benning, Georgia
Fort Knox, Kentucky
Fort Drum, New York
Fort Campbell, Kentucky
Blue Grass Army Depot, Kentucky
U.S. Military Academy at West Point, New York
Charleston Air Force Base, South Carolina
Nellis Air Force Base, Nevada
Schriever Air Force Base, Colorado
Seymour Johnson Air Force Base, North Carolina
Vandenburg Air Force Base, California
Warren Air Force Base, Wyoming
Wright-Patterson Air Force Base, Ohio
March Reserve Base, California
Westover Air Reserve Base, Massachusetts
Stewart Air National Guard Base, New York
70 Army Reserve Installations

Active GSA Schedules and ID/IQ Contract Vehicles

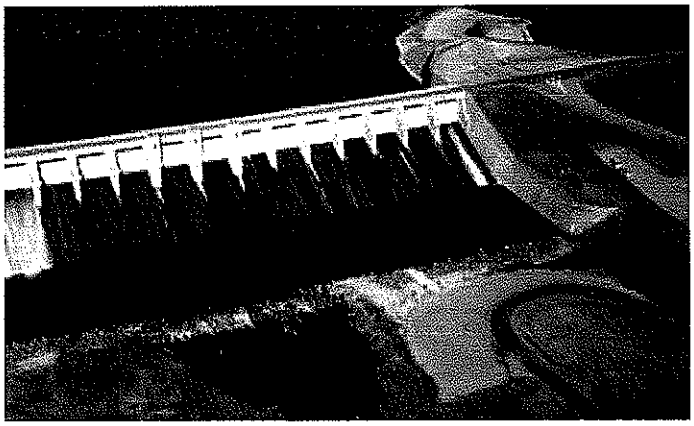
One way we can assist our federal clients in rapidly accessing and utilizing our services in the environmental sector is via several nationwide GSA Federal Supply Schedules (FSS). These provide you with direct access to our staff and services through existing government-wide acquisition vehicles. GSA has approved Stantec to complete services under FSS 899-Environmental Services, Special Item Numbers (SINs):

SIN 899-1: Environmental Planning Services
SIN 899-2: Environmental Compliance Services
SIN 899-4: Waste Management Services
SIN 899-7: Geographic Information Systems
SIN 899-8: Remediation Services
Contract # - GS-10F-0084M, GS-10F-0354M and GS-10F-0241N

In addition, we are currently assisting more than a dozen USACE Districts and federal government agencies under ID/IQ contracts.

The Stantec Advantage

Stantec

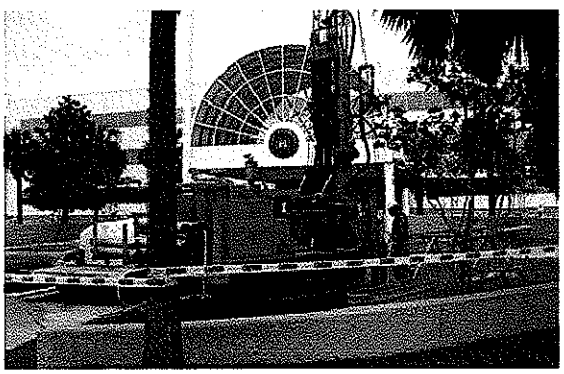


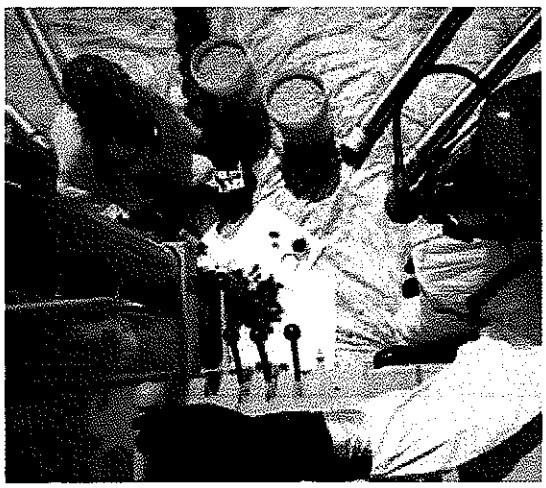
One Team. Infinite Solutions.

The U.S. Army Corps of Engineers (USACE) is the world's leading public works agency, supporting America's security, economic, and environmental interests at home and abroad. When tough jobs arise, whether responding to a natural disaster, a need for unique water resources programs or infrastructure development in a contingency environment, America turns to the Corps for help. For decades, Stantec has proudly served military and civilian federal clients, providing a wide variety of planning, engineering, architecture, environmental, and technical services across the nation.

How We Help

- National reach and capacity with more than 150 offices across the United States and 10,000 US employees (#24 on ENR's list of the Top 500 Design Firms)
- Full-service capability throughout the life cycle • of a project—planning, design, construction, maintenance, and decommissioning
- Leading North American sustainable design • firm, with more than 250 projects in the LEED® registered or certified stage and some 400 LEED accredited professionals
- Early adopter of advanced design technologies • including Building Information Modeling (BIM) and integrated design process (IDP)
- Company-wide registration to the International • Organization for Standardization's (ISO) 9001:2000 Quality Management Systems standard
- Past and on-going highly rated performance on • GSA Schedules and federal ID/IQ contracts





KEY DESIGN SERVICES

Stantec's depth and breadth of professional services allows us to partner with you to deliver a host of project types, from water resources, to military infrastructure such as housing, offices, and hospitals, to roads, rail, and airports, to hazardous waste mitigation and ecosystem restoration, to water and wastewater infrastructure. We understand the performance expectations of your customers, so our on-time, on-budget delivery promise is propelled by systems which are accountable and transparent and designs which are constructible, efficient, reliable and sustainable. We also team with some of the top experts, specialty service providers, veteran- and woman-owned, small, minority, and disadvantaged business concerns to best serve your interests. All you see is a seamless project delivery system, in sync with your operations.

Our services include:

- Water Resources (flood protection including • levees, dams, seismic analyses, navigation, ecosystem restoration, recreation)
- Architecture/Building Design and Retrofits (electrical, mechanical, structural, energy engineering, industrial and process design)
- HTRW/Environmental Site Remediation
- Civil/Geotechnical/H&H Engineering and Landscape Architecture
- Geographic Information Systems/BIM
- Sustainable Design—all types of infrastructure including secure, renewable energy design up to, and including, Net Zero Energy Buildings, solar and wind energy farms, active daylighting, geothermal, biomass, and other energy-efficient solutions
- Road, Bridge, Rail, and Airport

Representative Federal and USACE Clients

U.S. Army/Army Reserve
U.S. Air Force/Air Force Reserve
U.S. Navy
U.S. Coast Guard
U.S. Department of Energy
U.S. Department of Homeland Security
U.S. Department of the Interior
U.S. Department of Transportation
U.S. Department of Veterans Affairs
U.S. Environmental Protection Agency
U.S. Forest Service
Federal Emergency Management Agency
Federal Highway Administration
Federal Transit Administration
General Services Administration
National Parks Service

U.S. Army Corps of Engineers Districts
Detroit•
Fort Worth•
Huntington•
Little Rock•
Louisville•
Nashville•
New England•
New Orleans•
New York•
Pittsburgh•
Sacramento•
St. Louis

SURVEYS/GEOMATICS

Stantec provides the full range of surveys/geomatics services encompassing the measurement, layout, representation, analysis, management, retrieval, and display of spatial information describing the earth's physical features, land parcel boundaries, and the built environment. The expertise of Stantec's professional and technical surveys/geomatics staff is applied to services including boundary and cadastral surveys, ALTA/ACSM, topographic mapping, construction stakeout, geodetic and control surveys, route surveys, as-builts, water rights, and hydrographic surveys, as well as subsurface utility engineering (SUE), Geographic Information System (GIS) services, and 3D laser scanning. Specialized services include environmental surveying in support

of projects involving remediation, landfills, unexploded ordnance, vegetation and habitat, wildlife, wildfire burns, wetlands, and more.

Stantec's comprehensive surveys/geomatics services can be performed on a wide range of projects focusing on residential, commercial, industrial, transportation, utility and power, recreational, environmental, and institutional projects for public and private sector clients. Our staff is capable of effectively performing work in locations that range from major urban settings to the most remote and challenging environments by considerations inherent in each situation.

3D Laser Scanning

3DLS uses scanning instruments to transmit laser light and collect reflected return data, which is then processed to generate information about a target's surface. Stantec uses land based scanning techniques to produce 3D topographic visuals of the ground surface and the constructed environment. 3DLS uses "time of flight" measurements between the instrument and the target surface, creating myriad 3D points that are then analyzed and processed to create a highly accurate map product.

Stantec's 3DLS capabilities and experience are regularly used to serve public and private sector clients throughout North America.

CONSTRUCTION SERVICES

Stantec offers complete construction management, scheduling, pay reviews, quality assurance monitoring, and construction observation on all types of transportation capital improvement projects. We provide quality control services that include project reviews, contractor quality control programs, and more, while our materials testing program encompasses testing of concrete, soils, asphalt, masonry, steel, and other building materials. Geotechnical support, pavement investigation, failure analysis, and concrete and asphalt mix design are some of our many services which assure our clients that materials meet the demands of the project design.

We are accredited by the American Association of State Highway and Transportation Officials (AASHTO) and assessed by the Cement and Concrete Reference Laboratory (CCRL) and continue to participate in proficiency sample testing and accreditation programs. Stantec laboratories adhere to ASTM E329, ASTM C 1077 and ASTM D3666 for tests of concrete, steel, and bituminous materials; ASTM D3740 and ASTM E543 for testing and inspection of soils and rock, as well as non-destructive testing; and ASTM E548 for all work not in connection with concrete, steel, bituminous materials, or non-destructive tests.

Stantec also provides special programs for concrete and asphalt paving to avoid construction delays on time-critical projects. Our construction services complement project designs by delivering them within an approved schedule, assuring our clients that construction adheres to the project design documents, and that earthworks and materials comply with regulations and codes. Our experienced personnel offer many years of insight in reviewing construction documents throughout the design process to avoid costly project changes during construction.

SECTION III

Project Personnel

Key Personnel

We believe Stantec presents a consulting engineering team second to none in terms of depth of resources available. This team possesses the technical expertise and management experience to deliver a successful project, on time and budget. Our firm is able to offer comprehensive, rapid, cost effective delivery of all disciplines necessary to complete this project. The following describes the attributes of our Key Technical Personnel; summary resumes provided at the end of this SOQ highlight their relevant experience and qualifications.

Gregory Linder, PE, - Project Engineer
Mr. Linder has a diverse experience in civil and environmental engineering. His experience includes design, inspection, evaluation, and rehabilitation of structures; hydrologic and hydraulic analyses and performing environmental studies. His role in this project will include coordination of design, preparation of contract specifications and contract documents quantity and cost estimates, permitting, shop drawing review, an d resident construction observation.

Peter Avetta, NCARB, AIA, LEED®AP - Architect
Mr. Avetta designed and observed the construction of over 1.4 million square feet of office space. Several of these projects used the fast-track, design-building delivery methodology. Mr. Avetta has over 30 years of professional experience with a wide variety of experience which allows him to provide clear guidance and positive team leadership to successfully navigate our clients through the entire design and construction process.

Joseph E. Looby, ASLA
Mr. Looby has been applying his talents to projects for over 20 years. His experience in combining the creativity of landscape architecture with the technical knowledge of civil, transportation, and site development engineering makes him ideally suited to lead a team of professionals in a variety of planning efforts.

Kishore Warrier - Director of Commissioning/Compliance
Mr. Warrier has over a decade of professional experience related to commissioning. He has extensive knowledge of the coordination required for the commissioning/validation process of a project, and has worked extensively with various client's engineering, technical services, and quality departments.

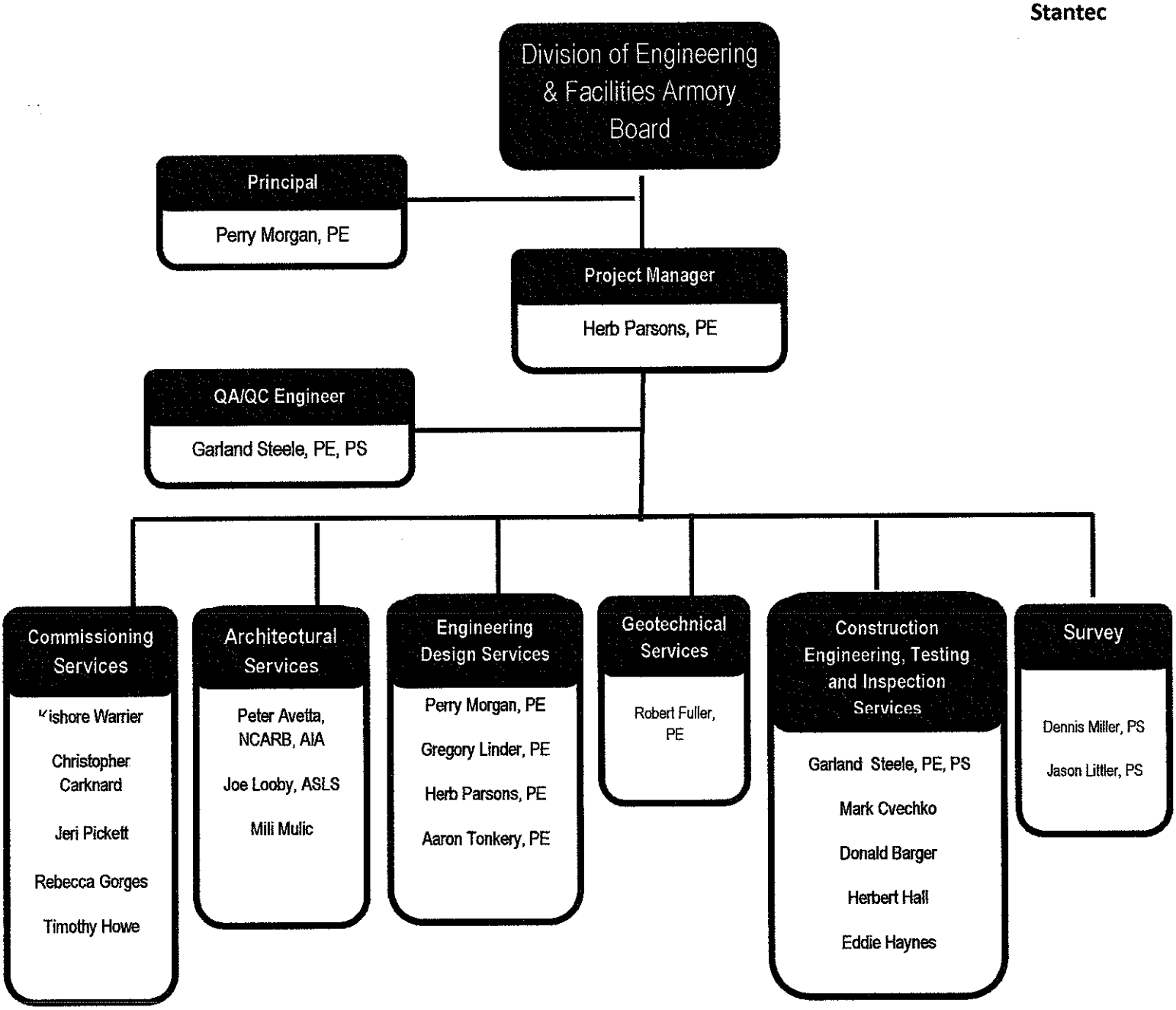
Mili Mulic, Dipl.Ing. Architect
Mr. Mulic's experience includes architectural design and project management of large scale projects in both the United States and Germany. With over 20 years of professional experience, Mr. Mulic combines his understanding of construction methodologies with his exceptional creative ability to design buildings uniquely suited to the Client and the site.

Herbert L. Parsons III, PE - Project Manager
Mr. Parsons will act as the single primary contact for this contract to facilitate and coordinate the project. With nearly 16 years of professional experience, Mr. Parsons has a broad experience base with extensive management expertise leading complex teams to deliver high-quality land development projects for a diverse range of public and private sector clients. Responsible for all phases of project development from conceptual design, to construction plans and construction administration.

Garland Steele, PE, PS - QA/QC Engineer
Mr. Steele has over fifty years of experience in the fields of construction services and engineering design. He provides engineering supervision of the construction services department, which performs construction services for federal, state, and local government agencies, private sector projects, field observation and testing and inspection of infrastructure installations. He will provide QA/QC engineering services during the planning and design phases of the project, and engineering supervision of the construction management, inspection, and testing phase of the project.

Dennis Miller, PS - Project Surveyor
Mr. Miller has 22 years of experience in Surveying and environmental management. His role in this contract will be to oversee the Survey operations.

Perry Morgan, PE – Principal
Mr. Morgan will also provide traffic engineering services as needed.



RESUMES OF KEY PERSONNEL AVAILABLE FOR THE PROJECT

One of the most important factors in the success of any project, or provision of any professional service, is the experience and qualifications of the key personnel who would be involved in the project. Resumes of the key people who are currently available for assignment to the proposed project are included herein.

Perry Morgan, PE

Principal

Stantec

Mr. Morgan has more than 24 years of experience with the planning, design, and operation of transportation systems. He has served in both administrative and engineering capacities on a broad range of transportation projects. Mr. Morgan has a strong background in performing a wide variety of transportation studies. He has particular expertise with corridor and intersection improvement studies.

As Traffic Engineer for the City of Huntington, West Virginia, Mr. Morgan was responsible for the City's traffic control system of signals, signs, and markings. Under his direction the City undertook several efforts to upgrade the City's traffic control system. This included the Huntington Traffic Signalization Project, a $6 million, state-of-the-art project that consisted of planning, design, construction, and operation of 115 signalized intersections. Mr. Morgan also served as Program Director for the Safe Traffic Operations Program (STOP), a highway safety program geared toward reducing traffic crashes which, combined with improvements, resulted in Huntington having the lowest traffic crash severity rating in West Virginia.

EDUCATION

M.S., Civil Engineering/Transportation, West Virginia University, Morgantown, West Virginia, 1986

B.S., Civil Engineering/Transportation, West Virginia University, Morgantown, West Virginia, 1983

REGISTRATIONS

Professional Engineer #10782, State of West Virginia

Professional Engineer #59569, State of Ohio

PROJECT EXPERIENCE

West Virginia Walkability Study, Morgantown, West Vriginia

Directed this project development a Master Plan to identify and prioritize options for increasing walking/biking at the Health Sciences complex and the Fieldcrest Residence Hall and their interface with the campus and surrounding area.

Alum Creek West Development, Columbus, OH

This traffic impact study covered the Rickenbacker Alum Creek West development. The traffic impact study included an analysis of the proposed development sites and adjacent roadways, including traffic projections for the developments, analysis of four intersections, and recommendations for improvements to the intersections and roadways. The study was undertaken in two stages, with the first stage showing short term developments and associated traffic requirements, and the second showing full development of the site and associated traffic requirements.

Brown McCausland Traffic Impact Study, Point Pleasant, WV

Mr. Morgan was responsible for a traffic impact study for a proposed 87-acre development adjacent to the US 35/SR 2 interchange, including traffic analysis of the proposed development, review of traffic projections, capacity analyzes, and access studies.

Banc One Corporate Center, Columbus, OH

This project involved design, plans, and specifications for the construction of two traffic signals for the Banc One Corporate Center. One signal was designed for the intersection of Polaris

at the main entrance driveway, and the other was at the intersection of Sancus Boulevard and Banc One Drive. The design of these signals accommodated future expansion of the City of Columbus Polaris Parkway traffic signal system. The traffic signal at Polaris and Polaris Parkway is demand actuated. The signal at the Sancus driveway is demand actuated during lunch and afternoon peaks, and yellow flash at other times.

Downtown Improvements, Huntington, WV

Project Manager for evaluating and designing improvements to three main downtown corridors; 3rd and 4th Avenues, and 9th Street. This project involved analysis of changing 3rd Avenue from one-way to two way operation and streetscape and roadway improvement design.

Mall Road Design Study, Cabell County, WV

Mr. Morgan co-managed this project that developed improvement solutions for access to the Huntington Mall from I-64 and US Route 60. The original scope of this project was to evaluate widening Mall Road. The study resulted in recommending construction of a parallel roadway to the west, as well as completion of an Interchange Justification Study for new access to the Interstate.

Williams Road Corridor Study, Columbus, OH

This study that included traffic counts, capacity analyzes, traffic data analysis, traffic control concept plans, annual growth rate projections, a review of alternative typical sections, profile and drainage for widening or reconstruction, and preliminary design of the proposed improvements. As part of this study AM and PM intersection turning movement counts were performed along with 24-hour machine counts.

Liberty Square II Shopping Center, Teays Valley, WV

This study was performed to identify the roadway requirements needed to handle the traffic generated by a thirty-acre parcel of land located east of the existing Liberty Square/Putnam Village shopping center which as under development.

Sun Mountain Resort, Mt. Hope, WV

The planned development of 141-acre parcel of land located on the west side of US 19 required a transportation study of a half-mile stretch of US 19. The study was performed to determine the impact of this development on US 19. The main purpose of the study was to identify the roadway requirements needed to handle the traffic generated by the site.

Africa Road Corridor Study, Westerville, OH

Interstate 270 & Alum Creek Drive Interchange Justification Study, Columbus, OH (Project Manager)

Interstate 81 & Dry Run Road Interchange Justification Study, Martinsburg, WV

Interstate 64 & Huntington Mall Interchange Justification Study, Huntington, WV

Marietta Intermodel Hub Feasibility Study, Marietta, OH

An intermodal hub with facilities was studied to determine if it could serve the needs of the commercial, tourist, recreational and public transit users. (An intermodal hub is a place where various modes of transportation – i.e. buses, automobiles, bicycles, river traffic, etc.- converge, and people are able to easily and safely transfer from one mode to another.) Solutions to any deficiencies identified were presented as a part of this study.

Gregory Linder, PE

Stantec

Mr. Linder has a diverse experience in project management and civil engineering. Since May of 1998, his primary responsibilities have included the design, inspection, evaluation, and rehabilitation of highway and railroad bridges; secondary responsibilities have included all aspects of roadway design, hydrologic and hydraulic analyses, and performing environmental studies.

Mr. Linder has been involved with the engineering design and/or inspection of 52 bridges, including highway, railway, and pedestrian bridges. He has designed bridge structures for large, governmental clients, as well as smaller governmental units and private sector organizations. Several of these projects have been "high profile" projects, allowing Mr. Linder the experience of working under intense public scrutiny. In addition to bridge design, Mr. Linder has been involved with nearly 30 miles of roadway design, floodplain evaluation projects, streambank protection projects, site development projects, and environmental projects.

EDUCATION

B.S., Civil Engineering, West Virginia University, Morgantown, WV, 1998

B.S., Biology, Fairmont State College, Fairmont, WV, 1993

Natural Stream Design Level I, II, III, and IV Certified, West Virginia Division of Highways

REGISTRATIONS

Professional Engineer #15629, State of West Virginia

Professional Engineer #24326, Commonwealth of Kentucky

Professional Engineer #PE074078, Commonwealth of Pennsylvania

PROJECT EXPERIENCE

Bridges

- US Route 35, Mason County, WV
- Mile Branch Truss Bridge, McDowell County, WV
- Upper Tract Bridge, Pocahontas County, WV
- Mon/Fayette Expressway, S.R. 0043, Section 52G, Washington County, PA*
- Allegheny County Bridge Inspection Program, Allegheny County, PA* Cranberry Interchange, Butler County, PA* Regional Transit Authority*
- S.R. 0056 over Stony Creek, Cambria County, PA*
- S.R. 0309 over Church Road, Montgomery County, PA*
- Star City Bridges (WV Route 7) Over the Monongahela River, Monongalia County, WV*
- Bridge Design Group H, Allegheny County, PA*
- PA Route 28, Galleria Mall Interchange, Allegheny County, PA*
- S.R. 0022 over Stony Run, Westmoreland County, PA*
- Sharon Heights Connector, Span Arrangement Study, Mingo County, WV*
- Bridge Design Group B, Allegheny County, PA*
- NJ Route 18 Extension, Section 2F, New Brunswick, NJ*
- NJ Route 18 Extension, Section 2F, New Brunswick, NJ*
- North Shore Connector, Aerial Structure, Allegheny County, PA*
- S.R. 836 Extension From NW 107th Avenue to NW 137th Avenue, Miami-Dade County, FL*
- Rail Rehabilitation Project, Akron and Canton, OH*
- Headsville Bridge Replacement, Mineral County, WV*

Roadways

- U.S. Route 35, Mason County, WV
- Appalachian Corridor H, Davis to Bismark, Tucker and Grant Counties, WV
- Weatherford Industrial Access Road, Upshur County, WV
- Greenland Gap Wind Project, Grant County, WV
- King Coal Highway, Mingo County, WV*
- U.S. Route 33 (Nelsonville Bypass), Hocking and Athens County, OH*

Floodplain Management

- Spencer Hydraulic Study, Roane County, WV
- Coalwood Floodplain Improvement, McDowell County, WV
- Rachel Floodplain Improvement, Marion County, WV
- Krout Creek H&H Investigation, Wayne County, WV
- Parsons First Baptist Church H&H Study, Tucker County, WV
- Martin Oil Company H&H Study, Lewis County, WV
- Freemans Creek H&H Study, Lewis County, WV

Site Development

- Texas Roadhouse, Wood County, WV
- CGP Development, Barbour County, WV
- Talcott Elementary School Site Design, Talcott, WV
- Buckhannon-Upshur High School Site Improvement and Drainage Project, Buckhannon, WV

Stream Restoration and Streambank Protection

- Laurel Lake Sediment Removal Project, Mingo County, WV
- Parchment Valley Streambank Protection, Jackson County, WV
- Berger Slope Failure, Brooke County, WV
- Fisher Landslide Stabilization, Jackson County, WV
- Cairo Streambank Protection, Ritchie County, WV
- Barkers Creek Streambank Protection, Wyoming County, WV

Environmental

- Glady Fork Mining Inc., Permit D-35-82, Upshur County, WV

- Enterprise/I-79 Connector, U.S. Route 19 to I-79, Environmental Assessment, Marion County, WV* . Southern Beltway, Allegheny and Washington Counties, PA*
- Enterprise/I-79 Connector, U.S. Route 19 to I-79, Biological Assessment, Marion County, WV*
- Meldahls Undercut Site, Wood County, WV*
- C&O Flats, Staunton, VA*
- Nelsonville Bat Survey, Athens County, OH*
- North Fork Watershed Management Plan, Pendleton and Grant Counties, WV
- Environmental Assessment, Deegan Lake Dam Rehabilitation and Hinkle Lake Dam Breech, Bridgeport, WV*

** denotes projects completed with other firms*

Garland Steele, PE, PS

Stantec

Mr. Steele has over 50 years of experience in civil engineering with a special emphasis on materials, soils, pavements, forensics, quality assurance, geotechnical exploration and design, construction inspection, and contract administration.

His experience includes in-depth field experience for the implementation of research findings; in-depth experience with a State Department of Transportation program for materials sampling and testing, materials and pavement specifications, structural steel inspection and testing, and soil and rock mechanics exploration, testing and design; in-depth experience with State Department of Transportation maintenance and construction operations; an understanding of the training needs for State Department of Transportation personnel in materials, construction, and maintenance; significant contributions to many professional organizations (ASTM, AASHTO, TRB) involved with developing materials criteria; and many years of managing a State Department of Transportation staff responsible for materials and pavement specifications, pavement design, sampling and testing programs, structural steel inspection and testing, and soil and rock mechanics exploration and design.

Mr. Steele also has in-depth experience with the oversight of operations related to the management, recovery, and repairs, required in the wake of emergencies and disasters affecting the West Virginia Highway System. Such incidents included floods, earth movements, winds, structural failures, ice and snow, and other events affecting traffic flow.

EDUCATION

Bachelor of Arts, West Virginia State University,
Institute, West Virginia, 1976

REGISTRATIONS

- Professional Engineer #3929, State of West Virginia
- Professional Surveyor #1386, State of West Virginia
- Professional Engineer #24347, State of Kentucky
- Professional Engineer #25020, State of South Carolina
- Professional Engineer #0402015191, State of Virginia

Certifications

- Concrete Technician (#136), WVDOT, Charleston, West Virginia, 1980
- Aggregate Inspector (#5913), WVDOT, Charleston, West Virginia, 1980
- Asphalt Technician (#159), WVDOT, Charleston, West Virginia, 1980
- Licensed Class B Explosives Permit (#B060119285913), West Virginia, Charleston, West Virginia, 1980

PROFESSIONAL ASSOCIATIONS

- Member, American Concrete Institute
- Member, American Society for Testing & Materials
- Fellow, American Society of Civil Engineers
- Member, National Society of Professional Engineers
- Member, West Virginia Society of Professional Surveyors
- Standing Committee on Research (Past Member), American Association State Highway and Transportation Officials
- Subcommittee on Materials (Past Vice-Chairman), American Association State Highway and Transportation Officials.
- Transportation Research Board, Construction Section (Past Chairman)
- Transportation Research Board, Design and Construction of Transportation Facilities Group Council (Past Member)

EXPERIENCE

Design Team Engineer (Typical Examples)

- Buffalo Bridge, Project S340-62-20.63, Putnam County
- Upper Tract Bridge, Project S336-220-27.55, Pendleton County

- Mile Branch Bridge, Project S324-80/2-0.02, McDowell County
- Couch to Coast Guard Station, Project U327-35-14.07 00, Mason County
- Pope Properties at Cross Lanes Development
- Water Distribution System, Kanawha County
- Pope Properties at Cross Lanes Development
- Waste Water Collection System, Kanawha County

Geotechnical Engineering (Typical Examples)

- Fisher-Mill Creek Bank Stabilization (10-04), Jackson County
- *Survey, Design, and Construction Inspection*
- Hendrickson Subsidence Investigation
- *AML Project*
- Laurel Lake Sediment Removal Project, Mingo County
- *Survey, Design, and Construction Inspection*
- Nixon Run, Harrison County *AML Project*
- North fork Hughes River-Stream Bank Stabilization, Cairo, Ritchie County, West Virginia
- Old Bridgeport Hill Mine Drainage, Phase II Plans Modification, Harrison County, West Virginia
- *Harrison County-Near Bridgeport, Clarksburg – Design AML Project, P. O. #12373A*
- Sauls Run Strip and Landslide Project (7-2004), Lewis County, West Virginia
- Weaver Portals and Mine Drainage, Randolph and Barbour Counties
- *AML Project, P. O. #DEP12578, Survey, Design*

- Parchment Creek Stream Bank Stabilization
- Rt. 30/5, Jackson County
- Summit Park Waterlline Feasibility Study
- Tunnelton (Dillsworth) Landslide, Preston County

Survey Team Engineer (Typical Examples)

- Earling to Rich Creek, Project S323-10-8.61 05, Logan County
- Rita Bridge to Midway, Project S323-10-8.61 07, Logan County
- King Coal Highway Project, Nicewonder Contracting, Inc. , Mingo County
- Joe Pope Parcel 10.1 Development, Kanawha County

Construction Administration Services (Typical Examples)

- Alaska DOT
- Marshall County Airport Authority
- Transportation Research Board*

WV DOH

- Corridor H, Project X316-H-100.40 07, Hardy County
- Construction Inspection and as-needed Surveying
- Davis Creek I64. Project U320-64-49.73 04, Kanawha County
- Construction Inspection
- Culloden Overpass, Project S340-60.03, Cabell County
- Construction Inspection
- District 10, Bridge, Roadway, and Building Projects, District Wide as needed
- Construction Inspection
- Soil Inspector, Engineering Division (1955-1957)*
- Assistant to Chief Soils Engineer/Assistant Chief Soils Engineer (1957-1961)*
- Materials Engineering/Testing
- Chief Engineer of Materials and Tests (1961-1962)*
- Assistant Director, Materials Control, Soil and Testing Division (1962-1965)*
- Director, Materials Control, Soil and Testing Division (1965-1977)*

- Chief Engineer-Operations (1977-1981), WVDOH*
- Construction, Maintenance and Materials Engineer (1981-1985), WVDOH*
- Engineering and special Studies Advisor (1985-1988), WVDOH*
- Strategic Highway Research Program (SHRP)*
- Oil and Gas Field Exploration, Production and Storage Operations (1946 -1955)*
- West Virginia State Road Commission (1945 -1946)*

PUBLICATIONS

"Statistical Considerations in Sampling and Testing".

"Asphalt Concrete Synthetic Reference Sample Program and the LTPP Asphalt Concrete Core Proficiency Sample Program".

"Round I Hot Mix Asphalt Laboratory Molded Proficiency Sample Program

"Round I Type I Unbound "

Type II Unbound Cohesive Subgrade Soil Synthetic Reference Sample Program".

"Type I Unbound Granular Base Synthetic Reference Sample Program".

"Round I Type II Unbound Cohesive Subgrade Soil Proficiency Sample Program".

"Portland Cement Concrete Core Proficiency Sample Program".

"A Dynamic Committee in a Century of Change".

"Roads-Keystone of the Infrastructure".

"Quality Assurance - A System in Practice". *Annual Meeting of the Transportation Research Board*, 1981.

"Development of Practical Performance-Type Specifications". *Tenth Quality Assurance Workshop*, 1977.

"Materials Data Handling Systems (Quality Assurance Systems and Their Development)". *62nd Annual Meeting, AASHTO*, 1976.

** denotes projects completed with other firms*

Robert D. Fuller, PE

Geotechnical Engineer

Stantec

Mr. Fuller has 26 years of experience in the civil engineering design of municipal, commercial, industrial, and institutional projects specializing in the field of advanced instrumentation and engineering applications. His ground instrumentation experience consists of using slope inclinometers, magnetic extensiometers, and various types of piezometers. Mr. Fuller has installed and monitored instrumentation such as pneumatic piezometers, settlement transducers, slope inclinometers, magnetic extensiometers, Casagrande piezometers and groundwater monitoring wells in accordance to state regulations at various landfill, dam and landslide projects. Monitoring of slope inclinometers consisted of cumulative displacement, spiral and magnetic deviation surveys. In addition to his instrumentation experience, Mr. Fuller serves as Project Technical Leader for a wide variety of geotechnical and civil engineering projects ranging from major oil refinery infrastructure improvements to site development for educational, commercial and industrial developments. Mr. Fuller has project experience ranging from preparation of technical specifications for land development and new construction to design and management of large multi-discipline construction projects.

EDUCATION

BS, Mathematics, Centre College, Danville, Kentucky, 1989

40-Hour Hazardous Waste Site Training, OSHA, Lexington, Kentucky, 2009

8-Hour Supervisor Training, OSHA, Lexington, Kentucky, 2009

Basic Orientation Plus Safety Training Certified, Catlettsburg, Kentucky, 2009

Transportation Worker Identification Credential (TWIC), TSA, Catlettsburg, Kentucky, 2009

BS, Civil Engineering, University of Kentucky, Lexington, Kentucky, 1991

REGISTRATIONS

Professional Engineer #19598, Commonwealth of Kentucky

PROFESSIONAL ASSOCIATIONS

Member, National Society of Professional Engineers

Member, American Society of Civil Engineers

Member, Kentucky Society of Professional Engineers

PROJECT EXPERIENCE

Bridges

Pomeroy-Mason Bridge, Pomeroy, Ohio (Senior Geotechnical Engineer)

Dams & Levees

Dover Dam Instrumentation, Tuscarawas County, Ohio (Senior Geotechnical Engineer)

Mississinewa Lake Dam, Wabash, Indiana (Senior Geotechnical Engineer)
Big Sandy River Levee Upgrades/Flood Protection System Evaluation, Catlettsburg, Kentucky (Senior Geotechnical Engineer)

Oil & Gas

Marathon Petroleum's Catlettsburg Refinery Crude Oil Dock Pipe Rack Settlement and River Bank Stability, Catlettsburg, Kentucky (Senior Geotechnical Engineer)

Marathon Petroleum's Catlettsburg Refinery Campbell's Branch Residual Landfill, Catlettsburg, Kentucky (Senior Geotechnical Engineer)

Marathon Petroleum's Catlettsburg Refinery Reduced Crude Converter (RCC) Unit Highwall Stabilization Project, Rock-Anchored Earth Retaining Wall, Catlettsburg, Kentucky (Senior Geotechnical Engineer)

Marathon Petroleum's Catlettsburg Refinery Temporary Raw Water Supply System Project, Catlettsburg, Kentucky (Senior Geotechnical Engineer)

Marathon Petroleum's Catlettsburg Refinery Fluid Catalytic Cracking (FCC) Unit Regenerator Head Turn-Around Project, Catlettsburg, Kentucky (Senior Geotechnical Engineer)

Marathon Petroleum's Catlettsburg Refinery Proposed H-Coal Dock, Catlettsburg, Kentucky (Senior Geotechnical Engineer)

Marathon Petroleum's Catlettsburg Refinery Heavy Oil Dock Landslide Remediation Project Terminal, Catlettsburg, Kentucky (Senior Geotechnical Engineer)

Marathon Petroleum Catlettsburg Refinery Crude Oil Dock Upgrades, Catlettsburg, Kentucky (Senior Geotechnical Engineer)

Marathon Petroleum's Catlettsburg Refinery Route 3 Landfill Environmental Regulatory Compliance Project, Catlettsburg, Kentucky (Senior Geotechnical Engineer)

** denotes projects completed with other firms*

Joseph E. Looby ASLS

Stante

Mr. Looby has been applying his talents to projects for over 20 years, serving as a registered landscape architect, and the last 10 years as a project manager. During this time he has played many roles on a variety of projects however he is most effective when he manages multi-disciplined design teams. His experience in combining the creativity of landscape architecture with the technical knowledge of civil, traffic and transportation engineering makes him ideally suited to lead a team of professionals in a variety of planning efforts. This combination has been very effective in designing community parks, urban spaces, streetscapes, residential and commercial sites as well as large-site master planning, campus planning and community identity studies.

EDUCATION

BS, Landscape Architecture, The Ohio State University, Columbus, OH, 1990

REGISTRATIONS

Landscape Architect #260, State of West Virginia

Landscape Architect #1516, State of Michigan

Landscape Architect #728, Kentucky State Board of Licensure for Professional Engineers and Land Surveyors

Landscape Architect #LA20800094, State of Indiana

Landscape Architect #856, State of Ohio

PROFESSIONAL ASSOCIATIONS

Nursey and Landscape Association, State of Ohio

Member, American Society of Landscape Architects

PROJECT EXPERIENCE

Bicycle and Pedestrian Paths

Lakewood Trails, Putnam Township

Education

Waverly Schools Campus, Waverly, Ohio (Project Manager)

Land Planning

Downtown Planning Study, Bowling Green, OH

Landscape Architecture

Henderson Riverwalk Development, Henderson, KY

Riparian Restoration, Shelby, OH

Reservoir Pollution Reduction, Columbus, OH

Britton Parkway Extension, Hilliard, OH

Genoa Township Park Master Plan, OH

West Virginia Wesleyan College, Buckhannon, WV

Holzer Clinic, Athens, OH

9th Street Revitalization, Huntington, WV
Waverly Schools Master Plan, Waverly, OH

Otterbein Retirement Community Master Plan, Lebanon, OH - Raccoon Valley

Fuller and Olson Park Renovations, Ann Arbor, MI

Historic District Enhancements, Obetz, OH

Pittsfield Preserve, Pittsfield Township, MI

5th Street Master Plan, Village of Beverly, OH

Recreation Master Planning

Cypress Weslyan Church Park, Columbus, Ohio (Project Manager)

Waterford Park, (Formally the Lucent Site), Columbus, OH (Project Manager)

Regional and Neighborhood Parks

Riverview Park, Miami Township, Clermont County, Ohio

Sycamore Creek Park, Pickerington, OH

Veterans Park, Ann Arbor, MI

Bridlewood Park, Obetz, Ohio (Project Manager)

Looby Resume – Page 2

Waterford Park, (Formally the Lucent Site), Columbus, OH (Project Manager)

Regional and Neighborhood Parks

Riverview Park, Miami Township, Clermont County, Ohio

Sycamore Creek Park, Pickerington, OH

Veterans Park, Ann Arbor, MI

Bridlewood Park, Obetz, Ohio (Project Manager)

McNamara Park, Genoa Township, Delaware County, Ohio (Project Manager)

Grace Brethren Church Park, Centerville, Ohio (Project Manager)

Vinmar Park (Project Manager)

Carson Farms Park, Delaware, Ohio (Project Manager)

Sports, Recreation & Leisure

Columbus Crew Training Facility, Village of Obetz, Ohio

Streetscapes

Jeffersontown Bluegrass Industrial Park, Jeffersontown, OH

West Main Street Enhancement, Xenia, OH
Recommendations for a Pedestrian Friendly Campus, West Virginia University, WV

Galena Street, Toledo, Ohio (Project Manager).
Groveport Road Streetscape Improvements, Obetz, Ohio (Project Manager)

Southwest Traffic Calming Plan, Dublin, Ohio (Project Manager, LA Team)

9th Street Renovations, Huntington, West Virginia (Project Manager, Streetscape Team)

3rd Avenue Improvements, Huntington, West Virginia (Project Manager, Streetscape Team)

Traffic Calming

SW Dublin Traffic Calming, Dublin, OH

Urban Parks

Maumee River Park, Napoleon, Ohio (Project Manager)

Kishore Warrier

Director of Commissioning and Compliance

Stantec

Mr. Warrier has over a decade of experience related to commissioning, qualification, and GMP documentation/compliance activities. He has led and managed numerous projects in oral solid dosage, sterile facility, and potent compound areas in the pharmaceutical industry.

Mr. Warrier is experienced in developing commissioning and qualification documentation, from master plans to individual commissioning and qualification protocols, and has led teams to execute the various commissioning and qualification protocols at multiple client sites.

He has extensive knowledge of the coordination required for the commissioning/validation process of a project, and has worked extensively with various client's engineering, technical services, and quality departments.

EDUCATION

Commissioning/Qualification Baseline Guide, ISPE Training Seminar, Princeton, New Jersey, 2000

GMP Fundamentals for Pharmaceuticals, ISPE Training Seminar, Chicago, Illinois, 2005

Beyond GMP Fundamentals for Pharmaceuticals, ISPE Training Seminar, Chicago, Illinois, 2005

Bachelor of Arts in Liberal Arts/Sciences, Minor in Economics, University of Illinois, Urbana-Champaign, Illinois, 1994

PROFESSIONAL ASSOCIATIONS

Certification for Commissioning and Qualification Continuing Education, International Society for Pharmaceutical Engineering

Member, International Society for Pharmaceutical Engineering

PROJECT EXPERIENCE

Covidien - Oral Solid Dosage Facility, Hobart, New York (Commissioning and Qualification Project Manager)
Assisted client QA and Validation team with review of Master Validation Plan and with the planning for the Commissioning and Equipment Qualification activities. Responsible for managing Stantec commissioning and qualification team in the development of facility and utility related commissioning and qualification protocols for a small scale oral solid dosage facility expansion.

Oversaw Stantec team which developed and assisted with the execution of Commissioning and/or IOQ documents HVAC unit for GMP spaces, HVAC related utilties, BMS system, nitrogen, compressed air, and electrical distribution systems.

Wyeth Research - GMP Warehouse and Secondary Packaging Facility, Confidential Location (Project Manager)
Served as Stantec project manager for internal team in development of project Commissioning protocols of facility equipment and systems. Responsible for development of requalification protocols for Walk-In Cold Rooms and GMP Warehouse.

Served as project manager for on-site Stantec personnel to execute commissioning and requalification protocols and for final report development. Assisted with the coordination of final approvals of qualification effort with Wyeth QA and User Groups.

Confidential Client - New Sterile Greenfield Facility, Confidential Location (Project Manager)
Served as project manager for commissioning and qualification process. Responsible for assisting owner with the development of Quality Systems, as well as review of Validation Plans, SOP's, and Calibration Program.

Served as Stantec project manager for internal team to develop FAT, Commissioning, and IOQ protocols for Facility, Critical Utility, and selected process systems. Worked with Stantec design team to review design drawings and specifications to streamline the commissioning and qualification phases for the project.

Confidential Client - Liquid Processing API, Office, and Lab Addition, Confidential Location (Co-Commissioning Leader / Project Manager)
Managed Stantec's commissioning team for the development of non-GMP and GMP related commissioning documents and associated acceptance criteria.

Responsible for developing the Commissioning Plan for the project.

Coordinated approvals of documents with client stakeholders, specifically GMP related documents which were leveraged by the validation team.

Managed Stantec's on-site commissioning engineers.

Coordinated the execution of major process equipment, (filter dryer, reactors, solve delivery system, isolator), vendor FAT and SAT, as well as the execution of all commissioning protocols on-site.

Helped client to develop, track, and manage commissioning and validation schedule, punchlist item development, and resolution from the construction team.

Reviewed and approved final commissioning reports and assisted client stakeholders in approvals of commissioning reports and turnover of systems to client Engineering, Validation, Laboratory, and QA groups.

Genentech - Office/Laboratory Commissioning, San Francisco, California (Commissioning Team Leader)
Commissioning of two office/laboratory buildings. Scope included development and field execution of functional test protocols for office/lab for HVAC units, HVAC utilties, lab hoods, walk-in coolers, building automation systems, cooling tower water systems, lab gases (nitrogen, vacuum, air), lab water systems.

Confidential Client - Oral Solid Dosage Potent Compound Facility, California (Project Manager)
Managed commissioning and qualification of Sampling and Dispensing Isolator. Provided integrated commissioning and qualification services from witnessing and documenting reports for Factory and Site Acceptance Tests. Managed team which developed and executed commissioning, IQ and OQ protocols, and associated final reports.

Confidential Client - Sterile Manufacturing Facility Expansion (Commissioning/ Project Manager)
Management of commissioning team in the development of master project plans, commissioning protocols for project HVAC, qualified and non-qualified utility systems, facility systems, and building automation system.

Wyeth Pharmaceuticals - QA/QC Laboratory Expansion, Guayama, Puerto Rico (Commissioning / Validation Project Manager)
Managed commissioning and validation team in development of master project plans, commissioning protocols for project HVAC, qualified and non-qualified utility systems, facility systems and project autoclaves, glove box isolator, glass washers, and facility qualification protocol.

Managed team during the execution of these commissioning and qualification protocols and in the development of required final technical reports. Responisble for managing project scope and budget, and worked with client and construction team to meet required project commissioning and qualification completion dates.

Confidential Client - Potent Compounds Manufacturing Addition, Fort Lauderdale, Florida (Commissioning/Validation Project Manager) *Managed commissioning and validation team in development and execution of project commissioning and qualification protocols for HVAC, small portable blenders, portable tanks, and in writing and reviewing final qualification technical reports.*

IVAX Pharmaceuticals Caribe Inc. - Building C-1 Warehouse Expansion Project, Cidra, Puerto Rico (Validation/Commissioning Manager)
Managed commissioning team in development of commissioning documentation deliverables for project. Stantec field project manager for commissioning process. Generated project Commissioning Plan with project field staff. Managed qualification team in development of HVAC IOQ and Room FQ protocol deliverables for project.

Timothy Howe, LEED AP

Mechanical Designer

Stantec

Mr. Howe holds a masters degree in mechanical engineering and has provided design in HVAC, plumbing and fire protection for both high-rise and/or low-rise buildings. Working with higher education, industrial, commercial, and K-12 clients, he has designed office space, labs, industrial process, and support spaces for new construction and renovation projects.

Recently he has been focusing on energy modeling and performance engineering and is providing assistance within the US and Canada on projects requiring this specialty. Mr. Howe has been working as a NYSERDA technical assistant facilitating energy efficient designs for A/E firms through the New Construction Program. This program includes energy studies of buildings through whole building analysis and custom measures.

EDUCATION

BS Mechanical Engineering, University at Buffalo, Buffalo, New York, 2004

MS Mechanical Engineering, University at Buffalo, Buffalo, New York, 2006

PROJECT EXPERIENCE

250 Schermerhorn Street, Brooklyn, New York

Clarkson University Student Center, Potsdam, New York

Provided commissioning assistance through the NYSERDA new construction program.

Clarkson University TAC Building, Potsdam, New York

Connection Technologies, Rochester, New York (Energy Modeler)

Sitterly Associates, Halfmoon, New York (Energy Modeler)

Global Crossings, Rochester, New York (Energy Modeler)

Tyco Electronics, Rochester, New York (Energy Modeler)

Clarkson University Math & Science Building, Potsdam, New York

Clinical Translational Sciences Building, Rochester, New York (Energy Modeler)

Maplewood, Canton, New York (Energy Modeler)

NYSERDA Technical Assistance, New York (Energy Modeler)

Cornell Grape Research Laboratory, Portland, New York (Mechanical Designer and Energy Modeler)

Christopher Carknard

Stantec

Mechanical Engineer

Mr. Carknard has almost five experience in the HVAC, plumbing, and fire protection design field. As a mechanical engineer he provides technical support for the development of various aspects of a pharmaceutical, laboratory, manufacturing and production facility design. He also has past experience in construction administration.

EDUCATION

Bachelor of Science, Mechanical Engineering Technology, State University of New York College of Technology Utica/Rome, New York, 2002

PROFESSIONAL ASSOCIATIONS

Member, American Society of Heating, Refrigerating & Air-Conditioning Engineers

PROJECT EXPERIENCE

Confidential Pharmaceutical Process Project,
Confidential Location, Canada
(Mechanical Engineer/Commissioning)
Executed Commissioning protocols to document the installation and functional testing results for a chiller and heat exchanger/tank jacket systems.

Executed Commissioning protocol to document additions to existing building utility systems including the chilled water and process water systems.

Covidien (formerly Tyco Healthcare / Mallinckrodt) - High Volume Manufacturing Addition, Hobart, New York (Mechanical Engineer/Commissioning)
Performed Commissioning and Validation document development and execution for a new Oral Solid Dosage (OSD) production addition to an existing facility. Commissioning and Validation efforts focused on major mechanical equipment including a new steam boiler and distribution system, domestic hot water generation, utility hot water generation and distribution, facility and secure storage air handling units, process chilled water generation, and HVAC chilled water generation and distribution.

Additionally, Commissioning and Validation services were performed on the additions to the site Building Automation System (BAS) serving the new addition, as well as building utility services including a new compressed air generation and distribution system, bulk nitrogen storage and distribution system, and the electrical distribution system.

Ben Venue Laboratories Inc. - Sterile Manufacturing Phase IV Conversion, Bedford, Ohio (Mechanical Engineer/Commissioning)
As a member of the Commissioning team, documented the installation of major mechanical equipment including air handling units, chilled water generators, electrical distribution systems, as well as all associated instruments, utilities, and components in a new addition to an existing pharmaceutical facility.

Performed installation and operational verification of production room construction finishes, room components including temperature and humidity monitoring equipment, as well as operator life safety notification devices.

Confidential Pharmaceutical Process Project, Confidential Location, Canada (Mechanical Engineer/Commissioning)
Worked on the Commissioning and Validation team to document the installation of the major mechanical systems including HVAC, chilled water, and heating hot water; as well as process related systems such as purified water and all associated instruments, equipment, and utility connections for a new addition to a pharmaceutical production facility.

Performed functional testing on the HVAC systems.

Norwich Pharmaceuticals Inc. - Solvent Coating and Granulation Upgrade, Norwich, New York
(Mechanical Engineer)
Evaluated a portion of an existing facility and its corresponding HVAC and fire protection systems for the safe handling, dispensing, and storage of solvent materials with respect to cGMP and current local code requirements.

Performed a system analysis on the existing HVAC equipment installations addressing client concerns regarding system wide performance. Assisted in writing a report and corresponding cost opinion analysis for modifications and updates to bring the facility into compliance.

State of New York University Construction Fund - Empire State College, Saratoga Springs, New York
(Mechanical Designer)
Assisted in the design and layout of mechanical systems including heating load and friction loss calculations. Systems served private office and conference room spaces in a rehabilitation of an historic landmark structure working with difficult existing special constraints.

Sized and selected major HVAC equipment including baseboard radiant fin tube, air cooled chiller, boilers, pumps, and fans. Redesigned systems per client changes and field conditions as well as performed multiple on-site system reviews to address construction issues.

Eric Smith Associates - Windham Enclave*, Windham, New York (Mechanical Designer)
Assisted in the design and layout of HVAC systems including heating load and friction loss calculations. Systems served large meeting rooms, commercial style kitchen areas, mechanical equipment rooms, and private condominium style residences.

Sized and selected major HVAC equipment including air handling units, water source heat pumps, fan coil units, heat exchangers, pumps, fans, chillers, split systems, walkway snow melt system (including zone manifolds and pumps), and boilers.

Revised individual condominium layouts per final tenant request and reviewed submitted mechanical equipment during project construction phase as well as performing on-site final punch list.

Dormitory Authority of the State of New York - Samaritan Village, Ellenville, New York (Mechanical Designer)
Assisted in the design and layout of HVAC systems including heating load and friction loss calculations. Systems served new dormitories, new recreational building, new dining hall (including office spaces and large meeting rooms), and rehabilitation of an existing classroom building.

Sized and selected major HVAC equipment including air handling units, VAV boxes, fan coil units, heat exchangers, pumps, fans, chillers, split systems, and boilers. Reviewed submitted mechanical equipment during project construction phase.

New York State Office of General Services - Alfred E. Smith Building Rehabilitation and Modernization, Albany, New York (Mechanical Designer)
Assisted in the design and layout of HVAC systems including heating load and friction loss calculations. Systems served private offices, open floor plan office spaces, conference rooms, print shops, cafeteria and kitchen areas, and testing rooms. Project team redesigned and repurposed areas and systems to suit tenant needs.

Performed multiple on-site evaluations of construction and site conformance issues. Worked with the client and other construction and design professionals to achieve a solution in a timely manner.

Coordinated routing of vital mechanical systems, including HVAC plumbing and sprinkler systems, along side other trades and within the constraints of the existing structure while maintaining the integrity and historical value of the building.

Jeri A. Pickett, PE, LEED AP

Stantec

Engineering Manager/Electrical Engineer

Mr. Pickett brings more than 20 years of diverse experience to Stantec. He has leadership and project management experience, electrical engineering design, cost estimating, and construction experience and consulting experience for private, commercial, government, institutional, and industrial clients. Mr. Picketts's experience as both a consultant and as an owner provides a unique and useful perspective.

EDUCATION

- Bachelor of Science, Clarkson University, Potsdam, New York, 1989

REGISTRATIONS

- Professional Engineer #073671, State of New York

PROFESSIONAL ASSOCIATIONS

- LEED Accredited Professional, U.S. Green Building Council
- Member, Building Industry Consulting Service International
- Member, Association for Facilities Engineering

PROJECT EXPERIENCE

- 250 Schermerhorn Street, Brooklyn, New York
Commissioning Agent responsible for commissioning component of a six=story, 88,000 sf office building

- Clarkson University Student Center, Potsdam, New York
Commissioning Agent responsible for commissioning component of a three-story, 45,000 sf new Student Center.

- Clarkson University TAC Building, Potsdam, New York
Commissioning Agent responsible for commissioning component of a two-story, 18,000 sf addition to connect the Science Center to the existing 12,000 sf Shuler ERC.

- University of Buffalo Dormitory, Amherst, New York
Commissioning Agent for construction of a new four-story, 192,000 sf mixed-use dormitory building with three six story wings.

- Cherry Hill Fire Station, Cherry Hill, New Jersey (Electrical Engineering)

- WestJet Corporate Offices, Calgary, Alberta

- Tyco Electronics, Rochester, New York
Provided NYSERDA Technical Assistance through custom measure energy analysis of a 45,000ft² new construction office/manufacturing /warehouse building.

- Global Crossings, Rochester, New York
Provided NYSERDA Technical Assistance through whole building energy analysis of a 87,000ft² new construction office building.

- Sitterly Associates, Halfmoon, New York
Provided NYSERDA Technical Assistance through whole building energy analysis of a 42,000ft² new construction office building.

- Connection Technologies, Rochester, New York
Provided NYSERDA Technical Assistance through whole building energy analysis of a 30,000ft² new construction office/manufacturing building.

- WestJet Campus Office Building, Calgary, Alberta
Electrical & Systems Design for 6 story, 258,000 s.f. office building

- Cornell University CALS Bruckner Laboratory, Fernow Hall and Rice Hall, Ithaca, New York

- Clinical Translational Science Building, Rochester, New York (MEP Project Manager)

- NYSERDA Technical Assistance, New Binghamton University Science & Engineering Research Facility, Binghamton, New York (Electrical Engineer)

- Center for Bioscience Education and Technology, Rochester, New York (Electrical Engineer)

Herbert L. Parsons III, PE, LS

Project Engineer

Stantec

Mr. Parsons has more than 13 years experience and has participated as a project manager on a wide variety of survey projects, including GPS, aerial mapping and control, ALTA, boundary, construction stakeout, design, topographic and wetlands surveys. His responsibilities include project proposals, research and review, client and crew coordination, data reduction and calculations, boundary resolutions, and legal descriptions. As a license surveyor in the Commonwealth of Virginia, Mr. Parsons is proficient with current technologies and traditional methods of field and office surveying. Mr. Parsons has responsible charge for all Virginia based survey operations and reviews and approves all required signature documents. Additionally as a licensed engineer he brings a unique perspective to Stantec's survey department and projects.

EDUCATION

B.Sc., Civil Engineering, Virginia Military Institute, Lexington, Virginia, 1994

Designated Plans Examiner #176, Engineers and Surveyors Institute, Fairfax County, Virginia, 1998

Designated Plans Examiner, Engineers and Surveyors Institute, Loudoun County #063, Virginia 2002

REGISTRATIONS

Professional Engineer #015279, State of West Virginia

Professional Engineer #PE070521E, Commonwealth of Pennsylvania

Registered Land Surveyor #2895, Commonwealth of Virginia

Professional Engineer #033680, Commonwealth of Virginia

PROFESSIONAL ASSOCIATIONS

Member, West Virginia Society of Professional Surveyors

Member, National Society of Professional Engineers

Member, American Society of Civil Engineers

Member, Engineers and Surveyors Institute

PROJECT EXPERIENCE

Sports, Recreation & Leisure

Elco Park Recreation Improvements, Elco, PA

Ida Lee Tennis Center, Leesburg, VA

Arthurdale Trail, Arthurdale, WV

Raspberry Falls Golf and Hunt Club Conference and Training Center, Loudoun County, VA

Attractions, Arts & Entertainment

Carmike Cinemas Site Plan, Morgantown, WV

Site Development

Holly Meadows, Leesburg, VA

Henderson Property, Loudoun County, VA

Evergreen Meadows, Loudoun County, VA

Falling Water Subdivision, Cheat Lake, WV

Urban Land Engineering

Holly Meadows, Leesburg, VA

Boundary Surveys

Theismann Properties, Loundoun County, VA Johnson Property, Rockingham County, VA

Kelly Properties, Monongalia County, WV

Theismann Properties, Loudoun County, VA

Floodplain Management

Lawson Drainage Study, Morgantown, WV

Partridge Subdivision (Floodplain Study), Loudoun County, VA

Multi-Unit / Family Residential

Round Hill Rural Estates, Upper Lakes

Greenwood Commons, Loudon County, VA

Roadways

Raspberry Falls Rt 1170 Street Design, Leesburg, VA

Red Cedar Rt 621 Improvements, Leesburg, VA

Rebecca Gorges, PE

Stantec

Process Engineer

Ms. Gorges has been involved in many aspects of chemical and process engineering design. She provides technical support for the development of P&ID's and PFD's, material balance, thermodynamic and reaction kinetics calculations, equipment and instrument specifications, design reports including user requirements specifications, scope of work, process description, and preparation of commissioning and qualification documentation.

EDUCATION

Bachelor of Science, Chemical Engineering and Economics, Rensselaer Polytechnic Institute, Troy, New York, 2004

REGISTRATIONS

Professional Engineer #087187, State of New York

PROFESSIONAL ASSOCIATIONS

Member, American Institute of Chemical Engineers

PROJECT EXPERIENCE

Becton Dickinson - Greenfield Sterile Pharmaceutical Facility, Wilson, North Carolina
Stantec provided engineering design and commissioning services including civil, structural, architectural, mechanical, process, electrical, and instrumentation and controls for a new 115,000 square foot two-story pre-filled syringe sterile manufacturing facility. One of the most important aspects was the critical utilities system, which includes USP Purified Water, USP Water for Injection (WFI), Pure Steam, Clean Steam, CIP, Nitrogen and Sterile Compressed Air.

Stantec worked closely with the owner's engineering and operations staff to size the systems for average and peak usage, redundancy requirements, and equipment and operating preferences. Close coordination with the design team was required to provide adequate supporting utilities, electrical power, and GMP facilities.

Prepared User Requirements Specifications and pre-purchase specifications for critical utilities (clean steam, WFI, clean compressed air, nitrogen) and process systems to provide the guidelines from which the commissioning documents were prepared. In addition, assisted with preparation of Commissioning and Qualification protocols.

Pfizer - Blender Module Upgrade, Brooklyn, New York (Process Engineer)
Provided process engineering support for the detailed design of the upgrade of a blender module to a solids-liquids processor including utility assessment, coordination with equipment vendors, and preparation of commissioning and qualification documentation.

Confidential Pharmaceutical Client - Powder Handling Equipment, Confidential Location, Canada
Performed FAT on powder handling equipment as client's representative.

Performed on-site commissioning of new powder handling suite including processing equipment, HVAC upgrades, and associated MEP upgrades.

Covidien (formerly Tyco Healthcare / Mallinckrodt) - High Volume Manufacturing Addition,
Hobart, New York
Performed Commissioning and Validation document development and execution for a new Oral Solid Dosage (OSD) production addition to an existing facility. Commissioning and Validation efforts focused on major mechanical equipment including a new steam boiler and distribution system, domestic hot water generation, utility hot water generation and distribution, facility and secure storage air handling units, process chilled water generation, and HVAC chilled water generation and distribution.

Additionally, Commissioning and Validation services were performed on the additions to the site Building Automation System (BAS) serving the new addition, as well as building utility services including a new compressed air generation and distribution system, bulk nitrogen storage and distribution system, and the electrical distribution system.

As a member of the Commissioning team, executed commissioning protocols for a series of modular processing suites. Systems commissioned include GMP rooms with room air HEPA filtration systems, compressed air, nitrogen, and Building Management System (BMS).

Confidential Pharmaceutical Client - Cold Glycol Chiller System, Confidential Location, Canada
Design of cold glycol chiller system and associated heat exchangers for processing equipment. Executed commissioning protocols for the chiller and heat exchanger/tank jacket systems.

Confidential Pharmaceutical Client - Plant Expansion, Confidential Location, Canada (Lead Process Engineer)
Transfer production of an Active Pharmaceutical Ingredient (API) to a new facility. Performed commissioning of process glycol and HVAC glycol chillers, utility water, BMS, process equipment, and process controls systems. Assisted with validation activities.

Confidential Pharmaceutical Client - Commissioning Facility Upgrades, Confidential Location, Canada
Led commissioning effort including the installation of a new Purified Water Generation System and Distribution Loop along with the associated utilities required for that system.

Prepared Commissioning and Qualification Plan and both static and dynamic commissioning protocols. Worked on-site to execute the protocols, working closely with the client's team and the construction manager to ensure we met critical project deadlines.

Pfizer - HVAC System and Process Equipment Upgrade, Brooklyn, New York (Process Engineer)
Provided process engineering support for upgrades to the HVAC system and process equipment in an existing packaging area to allow for the packaging of products containing potent compounds.

Developed P&ID, commissioning, and qualification documents including user requirement specifications, system impact assessment, and the project commissioning and qualification plan.

Becton Dickinson - Greenfield Sterile Pharmaceutical Facility, Wilson, North Carolina (Process Engineer)
Worked as part of a multidiscipline project team for the detailed design of a new sterile pharmaceutical manufacturing facility..

Worked closely with mechanical and electrical engineers to ensure the required utilities for this process equipment were provided.

The Pennsylvania State University - Central Biological Laboratory (CBL), University Park, Pennsylvania (Process Engineer)
Stantec conducted a $5-million phased HVAC/electrical service replacement and miscellaneous renovation on a thirty-year old, 35,000-ft² animal test laboratory.

The complete phased HVAC and electrical renovation of the animal holding areas (Vivarium) included replacement of five (5) separate systems along with construction of new marmoset rooms. The project also required the design of a 10,000-ft² temporary animal holding area adjacent to the main facility.

Peter E. Avetta NCARB, AIA, LEED®AP

Principal, Architecture

Stantec

Mr. Avetta's diverse background makes him a valuable asset to any project. His wide variety of experience allows him to provide clear guidance and positive team leadership to successfully navigate our clients through the entire design and construction process.

Pete has specialized in the Distribution Center Project type for several Fortune 500 companies. Pete has designed and observed the construction of 4.1 million square feet of building space including 150,000-ft² of office space. The majority of these projects used the fast-track, design-building delivery methodology. The construction documents were developed as a specific bid package that facilitated an early construction start and design continuity throughout the project's design and construction.

EDUCATION

Bachelor of Architecture, Kent State University, Kent, Ohio, 1973
Asbestos Abatement Project Designer, Accreditation, North Carolina, North Carolina, 1988
US Green Building Council LEED Professional, Accreditation, United States, North Carolina, 2003

REGISTRATIONS

Registered Architect #4761, State of Alabama
Registered Architect #43964, State of Arizona
Registered Architect #11222, State of Connecticut
Registered Architect #16719, State of Florida
Registered Architect #9330, State of Georgia
Registered Architect #001-019401, State of Illinois
Registered Architect #9500014, State of Indiana
Registered Architect #5385, State of Kentucky
Registered Architect #3597, State of Maryland
Registered Architect #30353, State of Massachusetts
Registered Architect #4808, State of Nevada
Registered Architect #AI 01660000, State of New Jersey
Registered Architect #4214, State of North Carolina
Registered Architect #11912, State of Ohio
Registered Architect #RA 007367-X, State of Pennsylvania
Registered Architect #3410, State of Rhode Island
Registered Architect #2515, State of South Carolina
Registered Architect #101595, State of Tennessee
Registered Architect #16183, State of Texas
Registered Architect #7089, State of Virginia
Registered Architect #9019, State of Washington

PROFESSIONAL ASSOCIATIONS

Member, American Institute of Architects
Board Member, Construction Professionals Network of North Carolina, Inc.
Member, National Council of Architectural Registration Boards
Affiliate Member, North Carolina Airports Association
LEED® AP, U.S. Green Building Council

AWARDS

2006 Southeast Construction Best of 2006 - Merit Award, The Port Marina

PROJECT EXPERIENCE

Corporate / Office

Aon Risk Services, Winston-Salem, North Carolina
Cambridge Partners, Inc., Charlotte, North Carolina (Architect)
New Class "A" Commercial Office Building (63,000 sf)
CentrePort II Office Building (Architect)
Class A Commercial Office Building
Greensboro, NC (48,000 sf)
Polo Ralph Lauren Corp, High Point, North Carolina (Architect)

Community Institutional

Black Mountain Center (Architect)
Alzhiemer's Unit Renovations
ICF/MR Renovations
Black Mountain, NC
Points West, Inc. (Architect)
Wakefield Day Care Center
Raleigh, NC
Vogler & Sons Funeral Home (Architect)
Funeral Home Expansion
Winston-Salem, NC

Government

Forsyth County Department of Social Services Office Complex, Winston-Salem, North Carolina (Architect)
Adaptive reuse/renovation of former Reynolds Health Center for county offices.

Locust Grove Police Station and Courthouse, Locust Grove, Georgia (Architect)
New 17,460 sf facility

Marine & Port Facilities

The Port Marina, Ft. Lauderdale, Florida (Architect)
Boat Storage Facility

Mixed-Use

Antiquity Town Center Master Plan, Cornelius, North Carolina

Airports & Aviation

Seymour Johnson Air Force Base, Goldsboro, North Carolina
Title IA and IB Services for squad facilities 2201, 2208, 4535,
and 4538.

Seymour Johnson Air Force Base, Goldsboro, North Carolina
Construct addition to fuel laboratory. Repair petroleum operations building.

Seymour Johnson Air Force Base, Goldsboro, North Carolina
Construct addition to communications facility, Building 3200.

Warehouse / Light Industrial

AMP Incoporated (Architect)
North Carolina Distribution Center II
High Point, NC

AMP Incoporated (Architect)
Master Planning
Greensboro, NC

AMP Incoporated (Architect)
DNS Electronic Materials Facilities Assessment Study

Seymour Johnson Air Force Base, Goldsboro, North Carolina
Construct religious education facility.

Seymour Johnson Air Force Base, Goldsboro, North Carolina
Construct Addition to POL Building 3425.

Seymour Johnson Air Force Base, Goldsboro, North Carolina
Construct operations building at Dare County, North Carolina

Research Triangle Park, NC

AMP Incorporated, Cole Road Manufacturing Facility (Architect)
3900 Reidsville Plant Line
Gumtree Road Plant
Winston-Salem, NC

Arrow International Warehouse Expansion/Distribution Center, Asheboro, North Carolina
Arrow International, Inc. - Asheboro, NC (Architect)
Facility Expansion

Candle Corporation of America (Architect)
Class Market Distribution Facility
Elkin, North Carolina

Education

East Carolina University - Slay and Umstead Dormitory,
Greenville, North Carolina (Architect)

Elliott University Center (Architect)
UNC-Greensboro
Greensboro, NC

Goddard School, North Aurora, Illinois

Goddard School, Mooresville, North Carolina

North Carolina A&T State University - Graham Hall, Greensboro, NC (Architect)
Renovation and addition project.

UNC Chapel Hill (Architect)
ACM Removal

UNC Chapel Hill - 440 West Franklin Street Renovation,
Chapel Hill, North Carolina (Architect)
Complete renovation of the facility to house the University's administrative information services department.

UNC-Greensboro, Greensboro, North Carolina (Architect)
ACM Removal from 27 Houses

Winston-Salem State University, Winston-Salem, North Carolina (Architect)

Stantec

Mili Mulic Dipl.Ing. Architect

Associate, Director of Design

Mili Mulic's experience includes architectural design and project management of large scale projects in both the United States and Germany. An award-winning designer, Mili combines his understanding of construction methodologies with his exceptional creative ability to design buildings uniquely suited to the Client and the site – without losing sight of the cost. Hisagile and expressive schematic renderings of a project during the design phase facilitate the communication of developing design ideas to the Client.

EDUCATION

Bachelor of Architecture, University of Sarajevo, Bosnia,Herzegovina, 1987

AWARDS

2000 International Design Competition-Honorable Mention, "Monument to the Third Millennium", Puerto Rico
1997 Residential Design Competition-Honorable Mention, "Koberger Strasse", Nuremberg, Germany
1995 International Design Competition-2nd Place, "Concert and Congress Hall", Bamberg, Germany
1995 International Design Competition-Honorable Mention, "Urban Development in Buchenbach", Erlangen, Germany

PROJECT EXPERIENCE

Cultural, Religious & Public Assembly

Locust Grove Police Station / District Court, Locust Grove, Georgia
Multiplex Kino Movie Theater, Eriangen, Germany* (Architect, Project Leader)
Multiplex movie theater with shopping center
Multiplex Kino Movie Theater, Fuerth, Germany* (Architect, Project Leader)
Project included restaurants, retail spaces and underground parking
Navy Seal Museum, Fort Pierce, Florida* (Architect)
The architecture of this main area will be integrated with both the interior and exterior exhibit displays, allowing visitors to experience the adventure of the UTDs and SEALS with the nearby ocean as a natural and fitting backdrop.

Corporate / Office

Deckra, Rostock, Germany* (Architect)
Administration, vehicle inspection, and car school center.
Die Barenschanze Office Center, Nuremberg, Germany* (Architect, Project Leader)
300,000 sf professional business center with underground parking
Koury Corporation, Greensboro, North Carolina* (Architect)
Village at North Elm in Greensboro NC
Krispy Kreme, Winston-Salem, North Carolina* (Design
Architect)
Design Architect for Krispy Kreme World Headquarters and large scale urban development project in Winston-Salem, NC
Liberty Property Trust, High Point, North Carolina* (Architect)
Schematic designs for new restaurant and office park facility.

Mixed-Use

Antiquity Town Center Master Plan, Cornelius, North Carolina
Blue Rhino Corp., Winston-Salem, North Carolina* (Architect)
New baseball stadium and mixed-use development plan.

Warehouse / Light Industrial

EIT Center for Advanced Manufacturing, Danville, Virginia
Frito Lay Distribution Center, High Point, North Carolina
(Architect)
New distribution center
Poeppelmann GmbH & Co., Claremont, North Carolina* (Architect)
New manufacturing facility

East Coast Capital, Inc., Winston-Salem, North Carolina* (Architect)
Southeast Gateway mixed-use development
Forcheim Professional Service Center, Forcheim, Germany* (Architect)

Multi-Unit / Family Residential

Dresden Klotzche, Dresden Klotzche, Germany* (Architect, Project Leader)
Mixed-use and residential apartments (850 condominiums) with
underground parking and small retail center

Education

Bioinformatics Research Center-Virginia Tech, Blacksburg, Virginia* (Architect)
Project included Phase I building (60,000 sf) and Phase II building with 72,000 sf. The new facility included labs, 175-seat auditorium, board room, with all spaces networked into the building system.

Columbus State University, Columbus, Ohio* (Architect)
Fine Arts Building - Design Competition

East Carolina University - West End Dining, Greenville,
North Carolina* (Architect)
The new dining hall serves as an anchor to five residence halls
on the west end of the campus.

Forsyth Country Day School, Winston-Salem, North Carolina* (Architect)
Master plan for new additions and renovations for this campus.

Guilford College, Greensboro, North Carolina (Architect)
Frank Family Science Center

North Carolina School of the Arts, Winston-Salem, North Carolina* (Architect)
Center Stage Apartments

North Carolina State University, Raleigh, North Carolina* (Architect)
Mixed-use development for the Centennial Campus

Winston-Salem State University-Brown Hall Dorm Renovations, North Carolina (Project Manager)
Winston-Salem State University commissioned Stantec to design the modifications to Brown Hall, a 256-room student residential facility. The entire mechanical, electrical and plumbing systems of the facility were replaced, and ADA/accessibility issues were addressed. Without existing plans to use, the Stantec design team first documented the existing facility and then used those field measurements to create the plans for renovation. A new elevator tower was designed, and upgrades to the interior and exterior of the facility were made. The window replacement with high-efficiency glazing will reduce energy costs and moisture infiltration. Safety and security were also important design considerations. These upgrades will provide another 50 years
of life to the facility

Aaron Tonkery, PE

Stantec

Mr. Tonkery is a Project Engineer with training and experience in civil site design, transportation engineering, and environmental permitting. Prior to joining the firm, Mr. Tonkery served as a Highway Engineer Trainee for the West Virginia Division of Highways (WVDOH).

EDUCATION

B.S., Civil Engineering Technology, 2000
Fairmont State College,
Fairmont, West Virginia

REGISTRATIONS

Professional Engineer - # 18237
State of West Virginia

PROJECT EXPERIENCE

Greenland Gap Wind Energy Project

M.A. Mortenson Co. – Grant County, WV

Appalachian Corridor H

WVDOH – Grant / Tucker County, WV

U.S. Route 35

Upper Tract Bridge Replacement

WVDOH – Pendleton County, WV

Mile Branch Bridge Replacement

WVDOH – McDowell County, WV

Weatherford Fracturing Facility Access Road Upshur County – West Virginia

Glady Fork Coal Company

WVDEP – Buckhannon, WV

Spencer Hydrologic & Hydraulic Study

WVCA – Spencer, WV

Parsons First Baptist Church H&H Study

Krout Creek H&H Investigation

WVCA – Wayne County, WV

Laurel Lake Sediment Removal Project

WVCA – Mingo County, WV

Danehart Acid Mine Drainage (AMD) Project ODNR – Yorkville, OH

Nutter Tipple Reclamation Project

ODNR – Logan, OH

Flint Run AMD Project

ODNR – Jackson County, OH

Murray City AMD and Art Project

ODNR – Hocking County, OH

Old Bridgeport Hill Mine Drainage Project WVDEP – Clarksburg, WV

Texas Roadhouse

Greenberg Farrow – Parkersburg, WV

Northeast Mud Services Company Project

NEMS Co. – Harrison County, WV

Philippi Shop-N-Save

Craig Phillips – Barbour County, WV

Institute for Software Research

Central Contracting Co. – Fairmont, WV

Tucker / Randolph County – West Virginia

West Virginia State College

WVSC – Institute, WV

NPDES Permit-Stormwater/Construction

WVSC – Institute, WV

Dennis Miller, PS

Surveys/Geomatics

Mr. Miller has over 22 years of consulting experience and serves as the Manager of the Buckhannon, WV office, which provided support for the Transportation, Abandoned Mine Land, Surveying, Construction Observation – Construction Inspection, and Mitigation and Emergency Planning groups. Mr. Miller has worked on governmental, commercial, and industrial projects and has noteworthy experience in the policies and procedures within FEMA, EPA, AASHTO, WVDOT, WVDEP along with local and state EMA and EOC, and has completed EMI IS-700" entitled "National Incident Management System (NIMS), "IS-00546" entitled "Continuity of Operations (COOP).

Mr. Miller organized the development of a 15 person construction observation and AMRL certified materials testing lab. This group was selected as the Independent Testing Laboratory for two Federal Prison projects and provid testing and inspection services for public agencies and private sector clients. Mr. Miller organized a team of professionals with experience in Abandoned Mine Land and Acid Mine Drainage. This team provides services to the West Virginia Division of Environmental Protection Office of Abandoned Mine Lands and Office of Special Reclamation, Ohio Department of Natural Resources and the West Virginia Conservation Agency.

EDUCATION

A.S., Surveying, Glenville State College, Glenville, West Virginia, 1989

Civil Engineering courses, Fairmont State College, Fairmont, West Virginia, 1991

REGISTRATIONS

Professional Land Surveyor #27570, State of South Carolina

Professional Land Surveyor #991, State of West Virginia

PROJECT EXPERIENCE

Airports & Aviation

Woodsfield Airport, Woodsfield, OH

Mr. Miller was the task manager responsible for supervising the surveying on the Runway Extension and Obstruction project on this airport in Woodsfield.

Barnesville Airport, Barnesville, OH

Mr. Miller was the task manager responsible for supervising the surveying on the Access Road Improvements, and Storm Drain Improvements project on this airport in Barnesville.

Green County Airport, Green County, OH

Mr. Miller was the task manager responsible for supervising the surveying on the Runway Extension and County Route relocation efforts at the airport in Green County Ohio.

Buckhannon Upshur Airport, Buckhannon, WV

Mr. Miller was the party chief and project manager responsible for field surveying and construction layout efforts on this airport project in Buckhannon.

Bridges

Mile Branch Truss Bridge, McDowell County, WV

Mr. Miller was the Office manager responsible for surveys for the 180-foot, 22-foot wide steel bridge crossing the Dry Fork River. The bridge substructure consists of integral abutments and T-Type piers supported on caisson foundations. The project also involved 370' of new two-lane roadway design.

Upper Tract Bridge, Pocahontas County, WV

Office manager responsible for surveys for the 346-foot long, 30-foot wide curved steel bridge crossing the South Branch of the Potomac River. The bridge substructure consists of integral abutments and T-Type piers supported on caisson foundations. The project also involved 740' of new two-lane roadway.

Appalachian Corridor H - Davis to Bismark, Tucker and Grant Counties, WV,

Office Manager responsible for surveys for the 1.61 mile section of four-lane divided highway near Davis, WV.

Power

Consol Energy; Blacksville #2 Power Line (Principal In Charge)

Consol Energy; Campbell's Run to 11D Shaft (Principal In Charge)

Shell Energy, Grant County, West Virginia

TrAILco, Central Contracting, West Virginia (Principal In Charge)

Roadways

West Virginia Power Center Coal Haul Road Survey and Layout, Mt. Storm, West Virginia

Mr. Miller was in charge of the re-survey of 4.2 miles of coal

haul access roads for Virginia Power at Mt. Storm. The scope of this project was to construct the coal haul access roads within a specific period of time because the new fuel preparation/coal transfer station was opening and a new coal supplier had been put under contract.

US Route 35, Mason County, West Virginia

Mr. Miller served as the Office Manager responsible for

surveys for the 1.85 mile section of four-lane divided highway. The section of highway also includes dual 400' bridges over Three Mile Creek and dual 92' bridges over Two Mile Creek.

Surveys / Geomatics

West Virginia Department of Environmental Protection

West Virginia Department of Transportation

(Independent Payment Verification)

Mr. Miller is the Program Coordinator/Project Manager and served as a field crew member for the past two years on the independent payment verification for the King Coal highway

Red Jacket Section. Stantec was ask to perform an Independent Payment Verification Reconciliation Report as required by WVDOT and the FHA on 11.37 miles of four lane divided highway which is a active coal mining & construction site.

Project Impact Randolph Tucker Partnership

Mr. Miller was the Office Manager and served as Project Manager on the planning, development and implementation of the work plan to successfully install and Blue Book sixty-five (65) new USGS Bench Mark Monuments within Randolph and Tucker Counties in West Virginia. This Project was completed in forty-five (45) days to comply with the funding mechanism and involved three offices and over fifteen employees.

Source Water Assessment Program

Mr. Miller was responsible for the overall project management of the Source Water Assessment and Protection Program (SWAP).

Mark Cvechko

Inspector – Level II

Stantec

Education

A.S. Land Surveying; Glenville State College, Glenville, West Virginia (1977)
West Virginia State Police Academy, Institute, WV (1978)

Certifications & Affiliations

Portland Cement Concrete Inspector
WV Contractors Association
WV Association of Land Surveyors
Upshur County Chamber of Commerce
Board of Directors, Buckhannon Country Club

Compaction Inspector

Aggregate Sampler

Experience and Qualifications

Mr. Cvechko has a diverse background in Heavy/Highway Construction, as well as Civil-Environmental Surveying and Design. Mr. Cvechko has over 20 years of management experience in the Heavy/Highway/Building/Water and Sewer industry. Mr. Cvechko has worked as senior estimator and project manager on projects ranging from one to ten million dollars. Mr. Cvechko has also performed plan review on design projects for constructability. Mr. Cvechko also has field experience as a superintendent, which attributes a key element in the design process.

Mr. Cvechko currently manages the Construction Services Department in the Buckhannon office of Stantec Consulting Services Inc., which includes Geotechnical Investigation, Construction Observation, and Quality Control Testing.

Project Experience Profile

Mr. Cvechko has managed and worked on numerous large heavy/highway projects. Some projects include:

- Sampling & testing of materials at source of supply under MCS&T Contract
- Corhart Manufacturing Press Building-High Point Construction
- Glady Fork Mine treatment Plant –WVDEP
- 4 Mile Overland Beltline – Consol Energy, Robert and Shaffer, Ground Breakers
- St. Joseph Hospital Addition – St. Joseph's Hospital
- Bluestone Dam Rehabilitations – National Engineering
- Hazelton Federal Prison - P. J. Dick Corporation
- Glenville Federal Prison – Bell Justice Facilities
- Statewide Traffic Study – PA Department of Transportation
- Route 50 By-Pass – WV Department of Transportation
- Oil Creek Road – WV Department of Environmental Protection
- Masontown AML – WV Department of Environmental Protection
- Broaddus Hospital – Private
- Spruce Fork Face up – anchor Energy
- Route 60 Slide – WV Department of Transportation
- Mussleman High School – School Building Authority
- Calhoun County High School – School Building Authority
- Snowshoe Site and Utilities – Private

Donald Barger

Stantec

Inspector, Level II

Education

Fairmont State University, A.A.S., 2005; Fairmont, WV

Air Police Academy Graduate (Class 14120), 1961

U. S. Air Force Technical Training School, Lackland Air Force Base, San Antonio, TX

Law Enforcement Supervisor Course (116 Hrs.), 1990

U. S. Air Force Technical Training School, Lackland Air Force Base, San Antonio, TX,

Certifications and Registrations

Transportation Engineering Technician #1239, Level III

WVDOH Compaction Inspector #243

WVDOH Concrete Technician #9454

WVDOH Aggregate Inspector #9454

WVDOH Portland Cement Concrete Technician #9454

WVDOH Hot Mix Asphalt Technician #9454

National Institute of Engineering Technicians Certificate #69968

Alexandria, VA - 1986

Certified Lumber Grader – National Hardwood Lumber Inspection School, Memphis, TN ,1969

Professional Auctioneer (WV License #1495) – Walton School of Auctioneering, Medina, OH, 2000

Experience and Qualifications

Stantec – Buckhannon, WV-
Field Technician –Consultant – March 2008 - Present

Shuck Steel Fabricators, LLC–Shuck Construction Company, LLD-Fairmont, WV
Quality Control Testing and field Inspections – 2006-2008

WVDOH Construction , Charleston, WV
Assistant State Enforcement Officer, 1996-2006
Regional Supervisor, 1990-1996
Road Supervisor, 1969-1990

WVDOH Construction, Elkins, WV
Field Testing Coordinator, 1983-1989

English Construction Company, Altavista, VA
Quality Control Engineer, 1981-1983

WVDNR, French Creek, WV
Forest Ranger, 1981

WVDOH Construction, Elkins, WV
Field Inspector, 1973-1981

WV Air National Guard, Charleston, WV
Retired Master Sergeant

USAF, Active Duty, 1960-1966

Edward G. Haynes

Inspector – Level III

Stantec

Education

Concord College, Athens, WV

Princeton High School, Princeton, WV

Certifications

National Institute for certification in Engineering Technologies Level IV Highway Construction #61636
ACI Concrete Field Testing Technician – Grade I (ID#01025343)
PCI Certification – Level I (Registration # 11823) & Level II (Registration #21319)

Fairmont State University
Transportation Engineering Technician Sr., Construction Specialization #1026

Experience

Stantec Consulting Services, Inc.
Sept. 1, 2004 to Present
Lead Inspector, Prestressed Concrete Plant

WV Department of Highways (July 1978 – June 2004)
Princeton, West Virginia
Project Supervisor Inspector

Experience includes over 20 bridges, many roadway and paving projects , other miscellaneous highway construction projects, and pavement marking projects

SECTION IV

Relevant Project Briefs

Past Performance with respect to cost control, quality of work and compliance with schedules.

Each of the firms on our Team shares similar philosophies that are based on strong project management programs and quality management techniques. In order to maintain our reputations and attract new work, our Team members are extremely sensitive to cost control, quality of work, and compliance with performance schedules.

There are three components that ensure the cost-effective and efficient completion of any task that may be assigned under a task order contract: communication, expertise and accountability.

Communication:

Communication is a vital element to the project in order to ensure that all participants have a clear and concise understanding of the individual task's goals and objectives, scope, team member roles and final deliverables. Lines of communication from the Client to Project Manager as well as from the Project Manager to the rest of the Project Team are established early in the project with provisions made to ensure continued updates as needed.

Expertise:

Our professionals, covering a variety of disciplines, are committed to a life-long learning environment. Training and educational advancement is achieved through professional associations, continuing education programs, seminars, professional development courses, as well as State and local agency training and certifications.

Accountability:

The Project Team is committed to ensuring that the individual projects are managed according to stringent quality requirements. QA/QC is provided throughout the life of a project. Management information support system provides project management the ability to assess progress, and promptly re-direct resources as required.

Keyser McCool Fire Station Relocation

Keyser, West Virginia

Stantec

Stantec provided engineering services for the West Virginia Division of Highways including; planning, surveying, site design, permitting, and associated construction documents.

Stantec

Nevada National Guard Readiness Center

Las Vegas, Nevada

This facility is designed to house a tactical, quick response unit of military personnel and equipment for use in the event of a natural disaster or terrorist attack.

With homeland security having vital importance across our nation, the State of Nevada increases its readiness with Stantec's assistance in the construction of a military facility. Our involvement included the special inspection of key elements of the structure pertaining to life safety and stability. The special inspection of this building was done on the reinforcing steel for the masonry and concrete, structural steel member verifications and connections (welding and high-strength bolting), and concrete and grout placements.

The Las Vegas Readiness Center is a new military constructed as part of the homeland security for the State of Nevada, and more specifically for the greater Las Vegas-Henderson area. The 78,774 ft² facility is a single-story masonry and structural steel building.

Texas Roadhouse

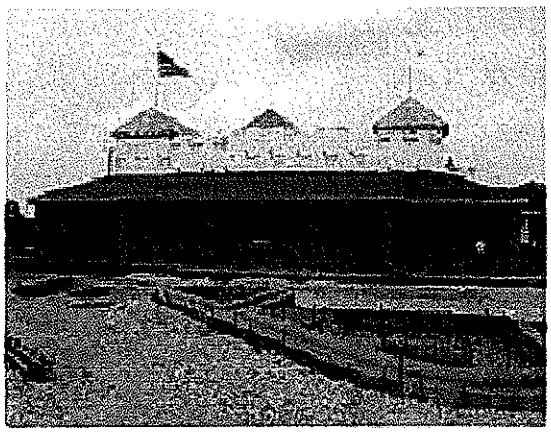
Parkersburg, WV

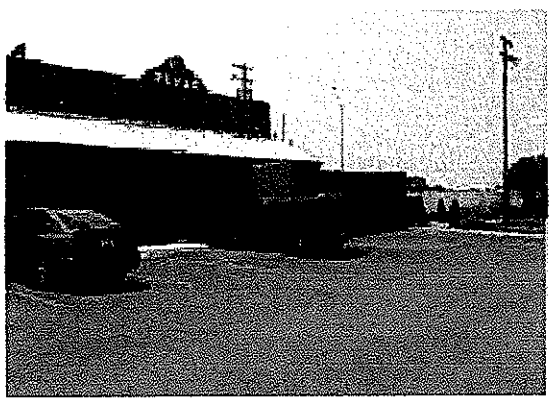
Stantec

Stantec has provided planning, engineering, surveying and environmental services for this 2.5 acre commercial development.

Stantec prepared construction drawings for site development of this 2.5 acre site in Parkersburg, West Virginia. This site is located between Murdach Avenue and Ohio Avenue along a busy section of Parkersburg. The project consisted of the redevelopment of an existing mixed use commercial and residential property and included services from several disciplines.

The site development included razing several existing buildings and construction of the 42,000 square foot Texas Roadhouse restaurant. The project included 200 new parking spaces, 3 new entrances to public right-of-way, pedestrian access and redeveloped/improved traffic pattern to, from an d within the site. The site included a detailed construction plans, site assessment for zoning and land use, traffic study, storm water management, utility assessment/design and NPDES Environmental Permitting. Additionally full survey services were performed that included field run topography/as-builts with ALTA/ACSM survey and construction stakeout.





Department of Energy

Morgantown, West Virginia

Stantec

Stantec provided civil engineering and survey services, teamed with Paradigm Architecture, for the construction for the 60,000 square foot building on a 6-acre parcel on the West Virginia University Research Park.

This Government Services Agency (GSA) Project is being prepared for the Department of Energy and will consist of a LEED Silver certification, NARA compliant record storage and office building.

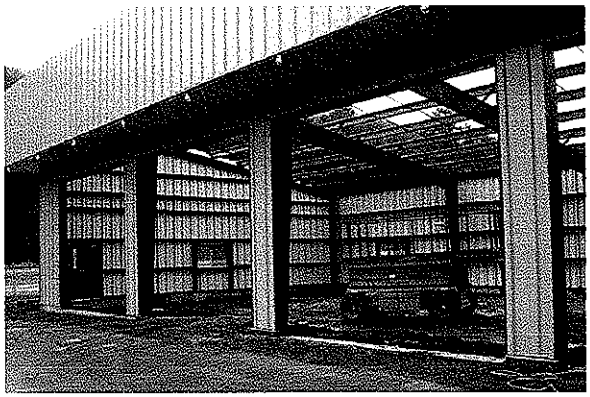
Project scope involved design of parking facilities and travelways, preparation of landscape plans, extension of all utility services to the new building and design of storm sewers. Stormwater Management and Best Management Practices (BMP) were incorporated through utilization of a proposed Stormwater Management Facility immediately downstream of the site. Site design was regulated by the requirements of the SFO, the City of Morgantown and the WVU Research Park, requiring significant coordination of competing agency standards and regulations.

Stantec provided final specifications for the civil scope of the project and worked closely with the architect and the client to deliver the project on time and on budget. Stantec provided permitting at the local and State level, phasing the work so that construction could begin while other permits were under review. This allowed the construction schedule to stay on track.

Currently Stantec is providing construction administration for the project.

NYSOGS: Nine Pre-Engineered Buildings – NYSDOT Region 9

Stantec



Stantec provided structural design and construction support services for nine pre-engineered, single-story, rigid frame, metal sided buildings of various sizes (4,600 to 11,000-ft^2) and locations within NYSDOT Region 9.

Services performed include: foundation design, preparation of final plans, specifications and estimates, bidding services in accordance with NYSOGS requirements, construction support services including metal building design review, shop drawing review, responding to Requests For Information, field visits and final project acceptance. Site locations throughout NYSDOT Region 9 include Kenoza Lake (7 bays), Sherburne (6 bays), Windsor (4 bays), Port Crane (8 bays), Deposit (5 bays), Downsville (2 bays), Walton (4 bays), Margaretville (4 bays), and Oneonta (10 bays).

Lifetime Fitness Center

Dublin, Ohio

Stantec

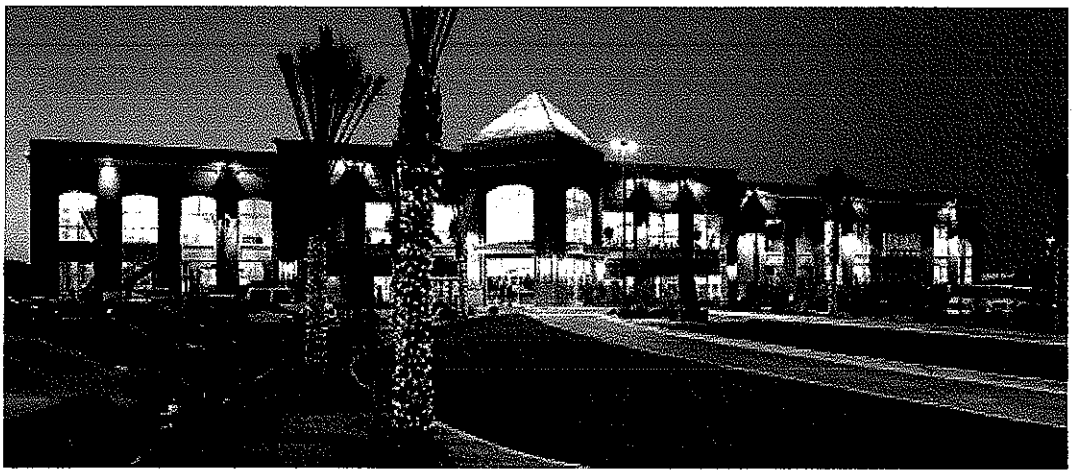
With over 75 fitness centers around the country, Life Time Fitness wanted an engineering firm that has all of the technical expertise under one roof to complete a new location in Dublin. Stantec was selected for design, rezoning, and permitting.

Acting as the central hub, Stantec's Project Manager coordinated all work with the owner, consultants and the City of Dublin. An important component of working with this out-of-town client had included frequent communications utilizing the latest available technologies.

Stantec was retained to perform the following scope

of services:

- Planning, feasibility studies, and engineering services
- Rezoning
- Phase I Environmental Site Assessment
- Wetlands delineation/mitigation
- Tree location, protection, replacement
- Traffic study/access assignments
- Site design
- Landscaping
- Construction support



SECTION V

References

References

Mr. Jeff Miller
Camp Dawson
Jeff.s.miller@wv.ngb.army.mil
304-791-4389

Mr. Gregg Smith, P.E.
Project Manager
West Virginia Department of Environmental Protection
105 South Railroad Street, Suite 310
Philippi, WV 26416
304-457-3219

Mr. Gene Saurborn
Watershed Management Director
West Virginia Conservation Agency
201 Scott Avenue
Morgantown, WV 26508
304-285-3118

Mr. Darrell Allen, P.E.
Deputy State Highway Engineer/Construction & Development
West Virginia Division of Highways
Building 5 - 1900 Kanawha Boulevard
Charleston, WV 25305
304-558-6266

Mr. David McCoy, Project Manager
West Virginia Department of Environmental Protection
105 South Railroad Street, Suite 310
Philippi, WV 26416
304-457-3219

Mr. Joe Pope
Pope Properties
30-4-768-4978

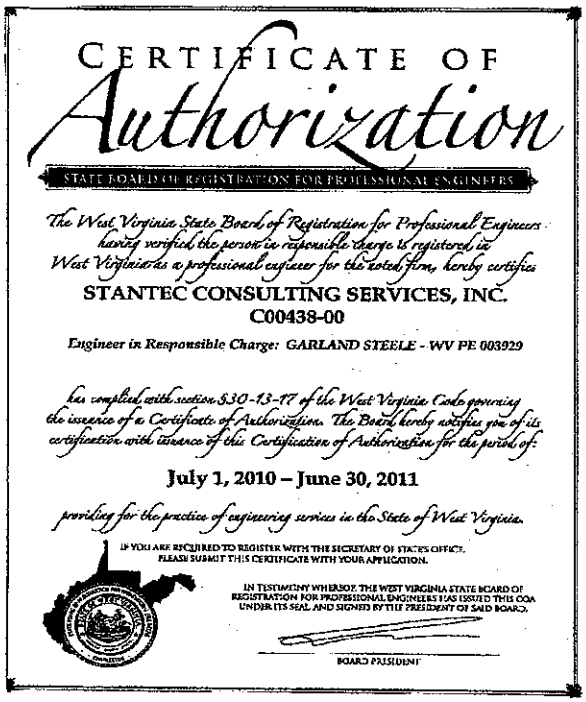
Mr. Gregory L. Bailey, P.E.
Director, Engineering Division – West Virginia Division of Highways
Building Five – Room A317
1900 Kanawha Boulevard, East
Charleston, WV 25305

Ms. Jennifer Belcher
Construction Engineer – District 10 – WVDOH
270 Hardwood Lane
Princeton, WV 24740
304-487-5271
RFQ #DEFK11026

SECTION VI

Certificates of Authorization

CERTIFICATES OF AUTHORIZATION



CERTIFICATE OF

Authorization

STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS

The West Virginia State Board of Registration for Professional Engineers having verified the person in responsible charge is registered in West Virginia as a professional engineer for the noted firm, hereby certifies

STANTEC CONSULTING SERVICES, INC.
C00438-00

Engineer in Responsible Charge: GARLAND STEELE - WV PE 003929

has complied with section §30-13-17 of the West Virginia Code governing the issuance of a Certificate of Authorization. The Board hereby notifies you of its certification with issuance of this Certification of Authorization for the period of:

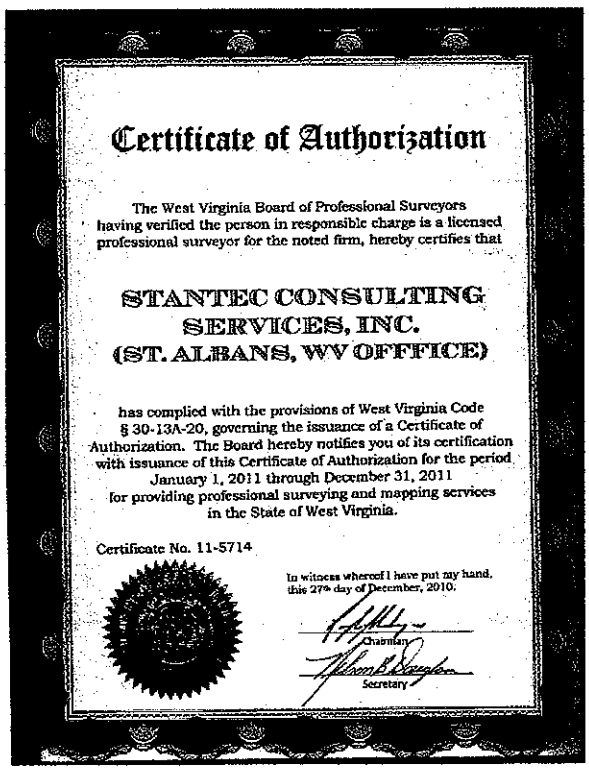
July 1, 2010 – June 30, 2011

providing for the practice of engineering services in the State of West Virginia.

IF YOU ARE REQUIRED TO REGISTER WITH THE SECRETARY OF STATE'S OFFICE, PLEASE SUBMIT THIS CERTIFICATE WITH YOUR APPLICATION.

IN TESTIMONY WHEREOF, THE WEST VIRGINIA STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS HAS ISSUED THIS COA UNDER ITS SEAL AND SIGNED BY THE PRESIDENT OF SAID BOARD.

BOARD PRESIDENT



Certificate of Authorization

The West Virginia Board of Professional Surveyors having verified the person in responsible charge is a licensed professional surveyor for the noted firm, hereby certifies that

STANTEC CONSULTING SERVICES, INC. (ST. ALBANS, WV OFFICE)

has complied with the provisions of West Virginia Code § 30-13A-20, governing the issuance of a Certificate of Authorization. The Board hereby notifies you of its certification with issuance of this Certificate of Authorization for the period January 1, 2011 through December 31, 2011 for providing professional surveying and mapping services in the State of West Virginia.

Certificate No. 11-5714

In witness whereof I have put my hand, this 27th day of December, 2010.

Chairman

Secretary

SECTION VII

Solicitation for Expressions of Interest (including all signed pages)

State of West Virginia
Department of Administration
Purchasing Division
2019 Washington Street East
Post Office Box 50130
Charleston, WV 25305-0130

Request for Quotation

RFQ NUMBER	PAGE
DEFK11028	1

ADDRESS CORRESPONDENCE TO ATTENTION OF:
TARA LYLE
304-558-2544

VENDOR
Stantec Consulting Services Inc.
One Moore Avenue
Buckhannon, WV 26201
Stantec

SHIP TO
DIV ENGINEERING & FACILITIES
ARMORY BOARD SECTION
1707 COONSKIN DRIVE
CHARLESTON, WV
25311-1099 304-341-6368

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
03/08/2011				

BID OPENING DATE: 03/22/2011 BID OPENING TIME 01:30PM

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT

ADDENDUM NO. 1

1. QUESTIONS AND ANSWERS ARE ATTACHED.
2. TO MOVE THE BID OPENING FROM 03/15/2011 TO 03/22/2011.
3. ADDENDUM ACKNOWLEDGEMENT IS ATTACHED. THIS DOCUMENT SHOULD BE SIGNED AND RETURNED WITH YOUR BID. FAILURE TO SIGN AND RETURN MAY RESULT IN DISQUALIFICATION OF YOUR BID.

EXHIBIT 10

REQUISITION NO.: DEFK11028

ADDENDUM ACKNOWLEDGEMENT

I HEREBY ACKNOWLEDGE RECEIPT OF THE FOLLOWING CHECKED ADDENDUM(S) AND HAVE MADE THE NECESSARY REVISIONS TO MY PROPOSAL, PLANS AND/OR SPECIFICATION, ETC.

ADDENDUM NO.'S:

NO. 1 .....

NO. 2 .....

NO. 3 .....

NO. 4 .....

NO. 5 .....

I UNDERSTAND THAT FAILURE TO CONFIRM THE RECEIPT OF THE ADDENDUM(S) MAY BE CAUSE FOR REJECTION OF BIDS.

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE	TELEPHONE	DATE
Garland W. Potts	304-472-7140	3/17/11
TITLE: QA/QC Engineer	FEIN: 11-2167170	ADDRESS CHANGES TO BE NOTED ABOVE

WHEN RESPONDING TO RFQ, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'

GENERAL TERMS & CONDITIONS
REQUEST FOR QUOTATION (RFQ) AND REQUEST FOR PROPOSAL (RFP)

1. Awards will be made in the best interest of the State of West Virginia.

2. The State may accept or reject in part, or in whole, any bid.

3. Prior to any award, the apparent successful vendor must be properly registered with the Purchasing Division and have paid the required $125 fee.

4. All services performed or goods delivered under State Purchase Order/Contracts are to be continued for the term of the Purchase Order/Contracts, contingent upon funds being appropriated by the Legislature or otherwise being made available. In the event funds are not appropriated or otherwise available for these services or goods this Purchase Order/Contract becomes void and of no effect after June 30.

5. Payment may only be made after the delivery and acceptance of goods or services.

6. Interest may be paid for late payment in accordance with the ***West Virginia Code***.

7. Vendor preference will be granted upon written request in accordance with the ***West Virginia Code***.

8. The State of West Virginia is exempt from federal and state taxes and will not pay or reimburse such taxes.

9. The Director of Purchasing may cancel any Purchase Order/Contract upon 30 days written notice to the seller.

10. The laws of the State of West Virginia and the ***Legislative Rules*** of the Purchasing Division shall govern the purchasing process.

11. Any reference to automatic renewal is hereby deleted. The Contract may be renewed only upon mutual written agreement of the parties.

12. BANKRUPTCY: In the event the vendor/contractor files for bankruptcy protection, the State may deem this contract null and void, and terminate such contract without further order.

13. HIPAA BUSINESS ASSOCIATE ADDENDUM: The West Virginia State Government HIPAA Business Associate Addendum (BAA), approved by the Attorney General, is available online at **www.state.wv.us/admin/purchase/vrc/hipaa.htm** and is hereby made part of the agreement. Provided that the Agency meets the definition of a Cover Entity (45 CFR §160.103) and will be disclosing Protected Health Information (45 CFR §160.103) to the vendor.

14. CONFIDENTIALITY: The vendor agrees that he or she will not disclose to anyone, directly or indirectly, any such personally identifiable information or other confidential information gained from the agency, unless the individual who is the subject of the information consents to the disclosure in writing or the disclosure is made pursuant to the agency's policies, procedures, and rules. Vendor further agrees to comply with the Confidentiality Policies and Information Security Accountability Requirements, set forth in http://www.state.wv.us/admin/purchase/privacy/noticeConfidentiality.pdf.

15. LICENSING: Vendors must be licensed and in good standing in accordance with any and all state and local laws and requirements by any state or local agency of West Virginia, including, but not limited to, the West Virginia Secretary of State's Office, the West Virginia Tax Department, and the West Virginia Insurance Commission. The vendor must provide all necessary releases to obtain information to enable the director or spending unit to verify that the vendor is licensed and in good standing with the above entities.

16. ANTITRUST: In submitting a bid to any agency for the State of West Virginia, the bidder offers and agrees that if the bid is accepted the bidder will convey, sell, assign or transfer to the State of West Virginia all rights, title and interest in and to all causes of action it may now or hereafter acquire under the antitrust laws of the United States and the State of West Virginia for price fixing and/or unreasonable restraints of trade relating to the particular commodities or services purchased or acquired by the State of West Virginia. Such assignment shall be made and become effective at the time the purchasing agency tenders the initial payment to the bidder.

I certify that this bid is made without prior understanding, agreement, or connection with any corporation, firm, limited liability company, partnership, or person or entity submitting a bid for the same material, supplies, equipment or services and is in all respects fair and without collusion or Fraud. I further certify that I am authorized to sign the certification on behalf of the bidder or this bid.

INSTRUCTIONS TO BIDDERS

1. Use the quotation forms provided by the Purchasing Division. Complete all sections of the quotation form.

2. Items offered must be in compliance with the specifications. Any deviation from the specifications must be clearly indicated by the bidder. Alternates offered by the bidder as **EQUAL** to the specifications must be clearly defined. A bidder offering an alternate should attach complete specifications and literature to the bid. The Purchasing Division may waive minor deviations to specifications.

3. Unit prices shall prevail in case of discrepancy. All quotations are considered F.O.B. destination unless alternate shipping terms are clearly identified in the quotation.

4. All quotations must be delivered by the bidder to the office listed below prior to the date and time of the bid opening. Failure of the bidder to deliver the quotations on time will result in bid disqualifications: Department of Administration, Purchasing Division, 2019 Washington Street East, P.O. Box 50130, Charleston, WV 25305-0130

5. Communication during the solicitation, bid, evaluation or award periods, except through the Purchasing Division, is strictly prohibited (W.Va. C.S.R. §148-1-6.6).

State of West Virginia
Department of Administration
Purchasing Division
2019 Washington Street East
Post Office Box 50130
Charleston, WV 25305-0130

Request for Quotation

RFQ NUMBER	PAGE
DEFK11028	2

ADDRESS CORRESPONDENCE TO ATTENTION OF:
TARA LYLE
304-558-2544

VENDOR
Stantec Consulting Services Inc.
One Moore Avenue
Buckhannon, WV 26201
Stantec

SHIP TO
DIV ENGINEERING & FACILITIES
ARMORY BOARD SECTION
1707 COONSKIN DRIVE
CHARLESTON, WV
25311-1099 304-341-6368

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
03/08/2011				

BID OPENING DATE: 03/22/2011 BID OPENING TIME 01:30PM

LINE	QUANTITY	UOP	CAT. NO	ITEM NUMBER	UNIT PRICE	AMOUNT

VENDOR MUST CLEARLY UNDERSTAND THAT ANY VERBAL REPRESENTATION MADE OR ASSUMED TO BE MADE DURING ANY ORAL DISCUSSION HELD BETWEEN VENDOR'S REPRESENTATIVES AND ANY STATE PERSONNEL IS NOT BINDING. ONLY THE INFORMATION ISSUED IN WRITING AND ADDED TO THE SPECIFICATIONS BY AN OFFICIAL ADDENDUM IS BINDING.

Barbara W. Roberts
SIGNATURE

Stantec Consulting Services Inc.
COMPANY

March 17, 2011
DATE

NOTE: THIS ADDENDUM ACKNOWLEDGEMENT SHOULD BE SUBMITTED WITH THE BID.

REV. 09/21/2009

END OF ADDENDUM NO. 1

0001 JB 906-00-00-001
1
ARCHITECT/ENGINEERING SERVICES, PROFESSIONAL

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE Barbara W. Roberts TELEPHONE 304-472-7140 DATE 3/17/11

TITLE BA/BC Engineer FEIN 11-2167170 ADDRESS CHANGES TO BE NOTED ABOVE

WHEN RESPONDING TO RFQ, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'

ADDENDUM NO. 1
DEFK11028
Expression of Interest

Q1: Where is the actual project location?

A2: Coonskin Drive, Charleston, West Virginia.

Q2: Section 1.2 Economy and Preparation. Is there a limit to the number of pages?

A2: There is no limit of the number of pages.

Q3: Can the submittal be sent vis FedEx? If so, can you please provide a phone number and address?

A3: Yes, you may submit your proposal by FedEx. The address is;

Department of Administration
Purchasing Division
2019 Washington Street, East
Charleston, WV 25305

Phone Number: 304-558-2306

Q4: Addenda 1.1.2. Can we be added to the vendor's list?

A4: Yes, your firm will be added to the vendor list and you will be mailed a copy of this addendum.

Q5: Section 1.1.9. Affidavit regarding debts – Is there a form we need to complete for this?

A5: The Purchasing Affidavit form is attached to the EOI. Please see page 15.

Q6: What LEED or energy or sustainable design features are desired?

A6: LEED Silver

Q7: Please advise if a site visit will be scheduled prior to submission of the EOI. If a formal site visit is not scheduled, can access to the site be gained?

A7: There will be no site visits for this project.

Q8: Please advise if any planning documents are available that would improve the responsiveness of the EOI.

A8: There are no planning documents for this project.

Q9: Please advise if any preliminary reports, mapping, or an alta or boundary survey is available for the proposed site.

A9: There are no reports, etc. for this project.

Q10: Please advise if there are any environmental concerns known for the proposed site.

A10: None

Q11: Please advise if there is a desire for this project to achieve LEED certification.

A11: LEED Silver

Q12: Have some budget parameters been set for these projects? Without any information about the size of the buildings it's tough to judge how large they are & I was concerned about the resources needed to perform the work. Are these million dollar projects? $10 mill? $20 mill? Any guidance you can give will be helpful.

A12: It is not in the best interest of the State of West Virginia to provide budgetary amounts for this project.

****

The bid opening has been moved from 03/15/2011 to 03/22/2011.

****

State of West Virginia
Department of Administration
Purchasing Division
2019 Washington Street East
Post Office Box 50130
Charleston, WV 25305-0130

Request for Quotation

RFQ NUMBER	PAGE
DEFK11028	1

ADDRESS CORRESPONDENCE TO ATTENTION OF:
TARA LYLE
304-558-2566

VENDOR
Stantec Consulting Services Inc.
One Moore Avenue
Buckhannon, WV 26201
Stantec

SHIP TO
DIV ENGINEERING & FACILITIES
ARMORY BOARD SECTION
1707 COONSKIN DRIVE
CHARLESTON, WV
25311-1099 304-341-6368

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
02/01/2011				

BID OPENING DATE: 03/15/2011 BID OPENING TIME 01:30PM

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
0001	1	JB		906-00-00-001		

ARCHITECT/ENGINEERING SERVICES, PROFESSIONAL

EXPRESSION OF INTEREST (EOI)

THE WEST VIRGINIA PURCHASING DIVISION FOR THE AGENCY, WV NATIONAL GUARD, DIVISION OF ENGINEERING AND FACILITIES, IS SOLICITING EXPRESSIONS OF INTEREST FOR PROFESSIONAL ARCHITECTURAL ENGINEERING DESIGN SERVICES FOR A JOINT OPERATIONS FACILITY TO BE LOCATED IN THE VICINITY OF THE WEST VIRGINIA NATIONAL GUARD STATE HEADQUARTERS IN CHARLESTON, WV PER THE FOLLOWING BID REQUIREMENTS AND ATTACHED SPECIFICATIONS.

TECHNICAL QUESTIONS MUST BE SUBMITTED IN WRITING TO TARA LYLE VIA MAIL AT THE ADDRESS SHOWN IN THE BODY OF THIS EOI, VIA FAX AT 304-558-4115, OR VIA EMAIL AT TARA.L.LYLE@WV.GOV.

DEADLINE FOR ALL TECHNICAL QUESTIONS IS 2/23/2011 AT THE CLOSE OF BUSINESS. ANY TECHNICAL QUESTIONS RECEIVED WILL BE ANSWERED BY FORMAL ADDENDUM ISSUED BY THE PURCHASING DIVISION AFTER THE DEADLINE HAS LAPSED. CANCELLATION: THE DIRECTOR OF PURCHASING RESERVES THE RIGHT TO CANCEL THIS CONTRACT IMMEDIATELY UPON WRITTEN NOTICE TO THE VENDOR IF THE COMMODITIES AND/OR SERVICES SUPPLIED ARE OF AN INFERIOR QUALITY OR DO NOT CONFORM TO THE SPECIFICATIONS OF THE BID AND CONTRACT HEREIN.

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE Barbara W. Smith TELEPHONE 304-472-7140 DATE 3/14/11

TITLE QA/QC Engineer FEIN 11-2167170 ADDRESS CHANGES TO BE NOTED ABOVE

WHEN RESPONDING TO RFQ, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'

State of West Virginia
Department of Administration
Purchasing Division
2019 Washington Street East
Post Office Box 50130
Charleston, WV 25305-0130

Request for Quotation

RFQ NUMBER	PAGE
DEFK11028	2

ADDRESS CORRESPONDENCE TO ATTENTION OF:
TARA LYLE
304-558-2544

VENDOR
Stantec Consulting Services Inc.
One Moore Avenue
Buckhannon, WV 26201
Stantec

SHIP TO
DIV ENGINEERING & FACILITIES
ARMORY BOARD SECTION

1707 COONSKIN DRIVE
CHARLESTON, WV
25311-1099 304-341-6368

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
02/01/2011				

BID OPENING DATE: 03/15/2011 BID OPENING TIME 01:30PM

LINE	QUANTITY	UOP	CAT. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT

BANKRUPTCY: IN THE EVENT THE VENDOR/CONTRACTOR FILES FOR BANKRUPTCY PROTECTION, THE STATE MAY DEEM THE CONTRACT NULL AND VOID, AND TERMINATE SUCH CONTRACT WITHOUT FURTHER ORDER.

NOTICE

A SIGNED BID MUST BE SUBMITTED TO:

DEPARTMENT OF ADMINISTRATION
PURCHASING DIVISION
BUILDING 15
2019 WASHINGTON STREET, EAST
CHARLESTON, WV 25305-0130

THE BID SHOULD CONTAIN THIS INFORMATION ON THE FACE OF THE ENVELOPE OR THE BID MAY NOT BE CONSIDERED:

SEALED BID

BUYER:----------TL/32----------

RFQ. NO.:----------DEFK11028----------

BID OPENING DATE:----------03/15/2011----------

BID OPENING TIME:----------1:30 PM----------

PLEASE PROVIDE A FAX NUMBER IN CASE IT IS NECESSARY TO CONTACT YOU REGARDING YOUR BID:

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE [signature] TELEPHONE 304-472-7140 DATE 3/14/11

TITLE QA/QC Engineer FEIN 11-2167170 ADDRESS CHANGES TO BE NOTED ABOVE

WHEN RESPONDING TO RFQ, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'

State of West Virginia
Department of Administration
Purchasing Division
2019 Washington Street East
Post Office Box 50130
Charleston, WV 25305-0130

Request for Quotation

RFQ NUMBER	PAGE
DEFK11028	3

ADDRESS CORRESPONDENCE TO ATTENTION OF:
TARA LYLE
304-558-2544

VENDOR
Stantec Consulting Services Inc.
One Moore Avenue
Buckhannon, WV 26201

Stantec

SHIP TO
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1707 COONSKIN DRIVE
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25311-1099 304-341-6368

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
02/01/2011				

BID OPENING DATE: 03/15/2011 BID OPENING TIME 01:30PM

LINE	QUANTITY	UOP	CAT NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
				Fax	304-472-6239	
				CONTACT PERSON (PLEASE PRINT CLEARLY):		
				****** THIS IS THE END OF RFQ DEFK11028 ****** TOTAL:		

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE [signature] TELEPHONE 304-472-7140 DATE 3/14/11

TITLE RA/BC Engineer FEIN 11-2167170 ADDRESS CHANGES TO BE NOTED ABOVE

WHEN RESPONDING TO RFQ, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'

Revised July 28, 2009

EXPRESSION OF INTEREST

Joint Operations Center
Requisition # DEFK11028

Part 1 GENERAL INFORMATION

1.1 **Purpose:**
The Acquisition and Contract Administration Section of the Purchasing Division "State" is soliciting Expression(s) of Interest (EOI) for the West Virginia Army National Guard, Construction and Facilities Management Office (CFMO), from qualified firms to provide architectural/engineering services as defined in section two (2) and three (3).

1.2 **Project:**
The requirement for this EOI is for professional design services for a Joint Operations Facility for the West Virginia National Guard and related emergency service state organizations. The facility is to be located in the vicinity of the West Virginia National Guard State Headquarters, Charleston WV.

1.3 **Format: N/A**

1.4 **Inquiries:**
Additional information inquiries regarding this EOI must be submitted in writing to the State Buyer with the exception of questions regarding proposal submission, which may be oral. The deadline for written inquiries is identified in the Schedule of Events, Section 1.16. All inquiries of specification clarification must be addressed to:

Ms. Tara Lyle
Purchasing Division
P.O. Box 50130
Charleston, WV 25305-0130
Fax: (304) 558-4115

The firm, or anyone on the firm's behalf, is not permitted to make any contact whatsoever with any member of the evaluation committee. Violation may result in rejection of the EOI. The State Buyer named above is the sole contact for any and all inquiries after this EOI has been released.

1.5 **Vendor Registration:**
Firms participating in this process should complete and file a ***Vendor Registration and Disclosure Statement*** (Form WV-1) and remit the registration fee. Firm is not required to be a registered vendor in order to submit an EOI, but the **successful firm must** register and pay the fee prior to the issuance of an actual contract.

1.6 **Oral Statements and Commitments:**
Firm must clearly understand that any verbal representations made or assumed to be made during any oral discussions held between firm's representatives and any State personnel are **not** binding. Only the information issued in writing and added to the Expression of Interest specifications file by an official written addendum is binding.

1.7 **Economy of Preparation:**
EOI's should be prepared simply and economically, providing a straightforward, concise description of firm's abilities to satisfy the requirements of the EOI. Emphasis should be placed on completeness and clarity of content.

1.8 **Labeling of the Sections:** The response sections should be labeled for ease of evaluation.

1.9 **Submission:**
1.9.1 State law requires that the original expression shall be submitted to the Purchasing Division. All copies to the Purchasing Division must be submitted **prior** to the date and time stipulated as the opening date. All expressions will be date and time stamped on the Purchasing Division official time clock to verify time and date of receipt.

1.9.2 Firms mailing expressions should allow sufficient time for mail delivery to ensure timely arrival. The Purchasing Division **CANNOT** waive or excuse late receipt of an expression which is delayed and late for any reason according West Virginia State Code §5A-3-11. Any EOI received after the bid opening time and date will be immediately disqualified in accordance with State law and the Legislative Rule 148-CSR-1.

Submit:

Two original (3-Ring Binder preferred) plus (1) copy on compact disk of single PDF file to:

Purchasing Division
2019 Washington Street, East
P.O. Box 50130
Charleston, WV 25305-0130

The outside of the envelope or package(s) should be clearly marked:

Buyer:	TL/32
Req #:	DEFK11028
Opening Date:	03/15/2011
Opening Time:	1:30 PM

1.10 **Rejection of Expressions:**
The State shall select the best value solution according to §5G-1-3 of the West Virginia State Code. However, the State reserves the right to accept or reject any or all expressions and to reserve the right to withdraw this Expression of Interest at any time and for any reason. Submission of, or receipt by the State of Expressions confers no rights upon the firm nor obligates the State in any manner.

1.11 **Incurring Costs:**
The State and any of its employees or officers shall not be held liable for any expenses incurred by any firm responding to this EOI for expenses to prepare, deliver, or to attend the short-list interviews.

1.12 **Addenda:**
If it becomes necessary to revise any part of this EOI, an official written addendum will be issued by the State to all potential firms of record.

1.13 **Independent Price Determination:**
A contract will not be considered for award if the negotiated price was not arrived at independently without collusion, consultation, communication, or agreement as to any matter relating to prices with any competitor.

1.14 **Price Quotations:** No "price" or "fee" quotation is requested or permitted in the response.

1.15 **Public Record:**

1.15.1 *Submissions are Public Record.*
All documents submitted to the State Purchasing Division related to purchase orders/contracts are considered public records. All EOI's submitted by firms shall become public information and are available for inspection during normal official business hours in the Purchasing Division Records and Distribution center after the expressions have been opened.

1.15.2 *Written Release of Information.*
All public information may be released with or without a Freedom of Information request, however, only a written request will be acted upon with duplication fees paid in advance. Duplication fees shall apply to all requests for copies of any document. Currently the fees are $0.50/page, or a minimum of $10.00 per request, which ever is greater.

1.15.3 *Risk of Disclosure.*
The only exemptions to disclosure of information are listed in West Virginia Code §29B-1-4. Primarily, only trade secrets as submitted by a firm are the only exemption to public disclosure. The submission of any information to the State by a firm puts the risk of disclosure on the firm. The submission of any information to

the State by a vendor puts the risk of disclosure on the vendor. The State does not guarantee non-disclosure of any information to the public.

1.16 **Schedule of Events:**

Release of the EOI..... 02/04/2011
Firm's Written Questions Submission Deadline.....02/23/2011
Addendum Issued.....TBD
EOI opening date.....03/15/2011
Estimated Date of Interviews (wk of).....TBD

1.17 **Mandatory Prebid Conference: N/A**

1.18 **Bond Requirements: N/A**

1.19 **Purchasing Affidavit:**
West Virginia State Code §5A-3-10a (3) (d) requires that all firms submit an Affidavit regarding any debt owed to the State and licensing and confidentiality certifications. The Affidavit **must** be signed and submitted prior to award. It is preferred that the Affidavit be submitted with the EOI.

PART 2 OPERATING ENVIRONMENT

2.1 **Location:**

2.11 Agency is located at:

The WV Army National Guard
Joint Forces Headquarters
Construction and Facilities Management Office
1703 Coonskin Drive
Charleston, West Virginia 25311

2.12 Projects are located at:

Same as above

2.2 **Background:** The Owner is seeking the services of a qualified professional design firm for new construction project. The project is as follows:

Construct a purpose built Joint Operations Center of masonry type construction with supporting facilities in the vicinity of the WV National Guard Joint Headquarters,

Charleston WV. Facility will be designed to support elements of the WV National Guard, the National Weather Service, elements of the WV State Road, the State of WV, Emergency Operation Center and other smaller state elements active during state emergencies. Initial estimates indicate that facility will be approximately 65,000 to 70,000 square feet. Facility will conform to established Force Protection standards.

PART 3 PROCUREMENT SPECIFICATIONS

3.1 **General Requirements:** Design and engineering services for design of a Joint Emergency Operations Center.

3.2 **Project Description:** A specially designed Joint Emergency Operations Center of permanent masonry type construction, brick and concrete block with concrete floors, and metal or single membrane roof. The structure will of two story construction with mechanical and electrical equipment. Outside supporting facilities include parking, fencing, sidewalks, exterior fire protection (if needed), outside lighting, access roads, facility sign. Physical security measures will be incorporated into design to include maximum feasible standoff distance from roads, parking areas, and vehicle unloading areas. Berms, heavy landscaping, and bollards can be used to prevent access when standoff distance cannot be maintained. Cost effective energy conserving features will be incorporated into design, including energy management control systems and high efficiency motors, lighting and HVAC systems.

3.3 **Special Terms and Conditions:**

3.3.1 *Bid and Performance Bonds*: N/A

3.3.2 *Insurance Requirements*:
$1,000,000 General Liability per Occurrence
$2,000,000 Aggregate
$1,000,000 Automobile Liability
$1,000,000 Professional Liability
Workers Compensation Certificate upon award
West Virginia Statutory requirements including
West Virginia Code §23-4-2 (Mandolidis)

3.4 **General Terms and Conditions:**
By signing and submitting the EOI, the successful firm agrees to be bound by all the terms contained in Section Three (3) of this EOI.

3.4.1 *Conflict of Interest*:
Firm affirms that it, its officers or members or employees presently have no interest and shall not acquire any interest, direct or indirect which would conflict or compromise in any manner or degree with the performance or its services hereunder. The firm further covenants that in the performance of the contract, the firm shall periodically inquire of its officers, members and employees concerning such interests. Any such interests discovered shall be promptly presented in detail to the Agency.

3.4.2 *Prohibition Against Gratuities*:
Firm warrants that it has not employed any company or person other than a bona fide employee working solely for the firm or a company regularly employed as its marketing agent to solicit or secure the contract and that it has not paid or agreed to pay any company or person any fee, commission, percentage, brokerage fee, gifts or any other consideration contingent upon or resulting from the award of the contract. For breach or violation of this warranty, the State shall have the right to annul this contract without liability at its discretion, and/or to pursue any other remedies available under this contract or by law.

3.4.3 *Certifications Related to Lobbying*:
Firm certifies that no federal appropriated funds have been paid or will be paid, by or on behalf of the company or an employee thereof, to any person for purposes of influencing or attempting to influence an officer or employee of any Federal entity, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment or modification of any Federal contract, grant, loan, or cooperative agreement.

If any funds other than federally appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee or any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the firm shall complete and submit a disclosure form to report the lobbying.

Firm agrees that this language of certification shall be included in the award documents for all sub-awards at all tiers (including subcontracts, sub-grants, and contracts under grants, loans, and cooperative agreements) and that all sub recipients shall certify and disclose accordingly. This certification is a material representation of fact upon which reliance was placed when this contract was made and entered into.

3.4.4 *Vendor Relationship*:
The relationship of the firm to the State shall be that of an independent contractor and no principal-agent relationship or employer-employee relationship is contemplated or created by the parties to this contract. The firm as an independent contractor is solely liable for the acts and omissions of its employees and agents.

Firm shall be responsible for selecting, supervising and compensating all individuals employed pursuant to the terms of this EOI and resulting contract. Neither the firm nor any employees or contractors of the firm shall be deemed to be employees of the State for any purposes whatsoever.

The Firm shall be exclusively responsible for payment of employees and contractors for all wages and salaries, taxes, withholding payments, penalties, fees, fringe benefits, professional liability insurance premiums, contributions to insurance and pension or other deferred compensation plans, including but not limited to Workers' Compensation and Social Security obligations, and licensing fees, etc. and the filing of all necessary documents, forms and returns pertinent to all of the foregoing.

The Firm shall hold harmless the State, and shall provide the State and Agency with a defense against all claims including but not limited to the foregoing payments, withholdings, contributions, taxes, social security taxes and employer income tax returns.

The firm shall not assign, convey, transfer or delegate any of its responsibilities and obligations under this contract to any person, corporation, partnership, association or entity without expressed written consent of the Agency.

3.4.5 *Indemnification:*
The firm agrees to indemnify, defend and hold harmless the State and the Agency, their officers, and employees from and against: (1) Any claims or losses for services rendered by any subcontractor, person or firm performing or supplying services, materials or supplies in connection with the performance of the contract; (2) Any claims or losses resulting to any person or entity injured or damaged by the firm, its officers, employees, or subcontractors by the publication, translation, reproduction, delivery, performance, use or disposition of any data used under the contract in a manner not authorized by the contract, or by Federal or State statutes or regulations; (3) Any failure of the firm, its officers, employees or subcontractors to observe State and Federal laws, including but not limited to labor and wage laws.

3.4.6 *Contract Provisions*:
After the most qualified firm is identified, and fee negotiations are concluded, a formal contract document will be executed between the State and the firm. The order of precedence is the contract, the EOI and the firm's response to the EOI.

3.4.7 *Governing Law*:
This contract shall be governed by the laws of the State of West Virginia. The firm further agrees to comply with the Civil Rights Act of 1964 and all other applicable laws (Federal, State or Local Government) regulations.

3.4.8 *Compliance with Laws and Regulations*:
The firm shall procure all necessary permits and licenses to comply with all applicable laws, Federal, State or municipal, along with all regulations, and ordinances of any regulating body.

The firm shall pay any applicable sales, use, or personal property taxes arising out of this contract and the transactions contemplated thereby. Any other taxes levied upon this contract, the transaction, or the equipment, or services delivered pursuant here to shall be borne by the contractor. It is clearly understood that the State of West Virginia is exempt from any taxes regarding performance of the scope of work of this contract.

3.4.9 *Subcontracts/Joint Ventures*:
The State will consider the firm to be the sole point of contact with regard to all contractual matters. The firm may, with the prior written consent of the State, enter into written subcontracts for performance of work under this contract; however, the firm is totally responsible for payment of all subcontractors.

3.4.10 *Term of Contract*:
This contract will be effective (date set upon award) and shall extend until the scope of work is complete or for one (1) consecutive twelve (12) month period. The contact may be renewed upon mutual consent for two (2) consecutive years one (1) year periods or until such reasonable time as may be necessary to obtain a new contract or to complete work.

3.4.11 *Non-Appropriation of Funds*:
If the Agency is not allotted funds in any succeeding fiscal year for the continued use of the service covered by this contract by the West Virginia Legislature, the Agency may terminate the contract at the end of the affected current fiscal period without further charge or penalty. The Agency shall give the firm written notice of such non-allocation of funds as soon as possible after the Agency receives notice. No penalty shall accrue to the Agency in the event this provision is exercised.

3.4.12 *Contract Termination*:
The State may terminate any contract resulting from this EOI immediately at any time the firm fails to carry out its responsibilities or to make substantial progress under the terms of this EOI and resulting contract. The State shall provide the firm with advance notice of performance conditions, which are endangering the contract's continuation. If after such notice the firm fails to remedy the conditions

contained in the notice, within the time contained in the notice, the State shall issue the firm an order to cease and desist all work immediately.

The State shall be obligated only for services rendered and accepted prior to the date of the notice of termination. The contract may also be terminated upon mutual agreement of the parties with thirty (30) days prior notice.

3.4.13 *Changes*:
If changes to the original contract become necessary, a formal contract change order will be required. Prior to any work being performed, the change must be negotiated and approved by the State, the Agency and the firm. An approved contract change order is defined as one approved by the Purchasing Division and approved as to form by the West Virginia Attorney General's Office prior to the effective date of such amendment. **NO CHANGE SHALL BE IMPLEMENTED BY THE FIRM UNTIL THE FIRM RECEIVES AN APPROVED WRITTEN CHANGE ORDER.**

3.4.14 *Invoices, Progress Payments, & Retainage*:
The Firm shall submit invoices, in arrears, to the Agency at the address on the face of the purchase order labeled "Invoice To" pursuant to the terms of the contract. Progress payments may be made at the option of the Agency based on percentage of work completed if so defined in the final contract. Any provision for progress payments must also include language for a minimum 10% retainage until the final deliverable is accepted.

If progress payments are permitted, firm is required to identify points in the work plan at which compensation would be appropriate. Progress reports must be submitted to Agency with the invoice detailing progress completed or any deliverables identified. Payment will be made only upon approval of acceptable progress or deliverables as documented in the firm's report. Invoices may not be submitted more than once monthly and State law forbids payment of invoices prior to receipt of services.

3.4.15 *Liquidated Damages*: NA

3.4.16 *Record Retention (Access & Confidentiality)*:
Firm shall comply with all applicable Federal and State of West Virginia rules and regulations, and requirements governing the maintenance of documentation to verify any cost of services or commodities rendered under this contract by the firm. The firm shall maintain such records a minimum of five (5) years and make available all records to Agency personnel at firm's location during normal business hours upon written request by Agency within 10 days after receipt of the request.

Firm shall have access to private and confidential data maintained by Agency to the extent required for firm to carry out the duties and responsibilities defined in this contract. Firm agrees to maintain confidentiality and security of the data made available and shall indemnify and hold harmless the State and Agency against any and all claims brought by any party attributed to actions of breech of confidentiality by the firm, subcontractors, or individuals permitted access by the firm.

PART 4 EVALUATION & AWARD

4.1 Evaluation and Award Process:

a) Expressions of Interest will be evaluated and awarded in accordance with **§5G-1-3 "Contracts for architectural and engineering services; selection process where total project costs are estimated to cost two hundred fifty thousand dollars or more."**

"In the procurement of architectural and engineering services for projects estimated to cost two hundred and fifty thousand dollars or more the director of purchasing shall encourage such firms engaged in the lawful practice of the profession to submit an expression of interest, which shall include a statement of qualifications, and performance data and may include anticipated concepts and proposed methods of approach to the project. All such jobs shall be announced by public notice published as a Class II legal advertisement in compliance with the provisions of article three [§59-3-1et seq.] A committee comprised of three to five representatives of the agency initiating the request shall evaluate the statements of qualifications and performance data and other material submitted by the interested firms and select three firms which in their opinion are the best qualified to perform the desired service. Interviews with each firm selected shall be conducted and the committee shall conduct discussions regarding anticipated concepts and the proposed methods of approach to the assignment. The committee shall then rank in order of preference no less than three professional firms deemed to be the most highly qualified to provide the services required, and shall commence scope of service and price negotiations with the highest qualified professional firm for architectural or engineering services or both. Should the agency be unable to negotiate a satisfactory contract with the professional firm considered to be the most qualified, at a fee determined to be fair and reasonable, price negotiations with the firm of second choice shall commence. Failing accord with the second most qualified professional firm, the committee shall undertake price negotiations with the third most qualified professional firm. Should the agency be unable to negotiate a satisfactory contract with any of the selected professional firms, it shall select additional professional firms in order of their competence and qualifications and it shall

continue negotiations in accordance with this section until an agreement is reached."

b) The committee shall rank, in order of preference, each of the selected Firms. Each of the Firms shall begin with a score of one hundred.

The criteria and assigned point values are as follows:

1. Proposed approach to the project.....20

Firm should provide a vision of the approach to the proposed project, to include, but not limited to, the methods, management, and philosophy.

2. Past experience in performing similar projects.....35

Firm should provide the company's statement of qualifications for the last ten years and the general area of designing like facilities.

3. Oral Interview and expertise of team.....45

Firm should provide no more than two (2) page resume of each employee who will be providing their services. Describe the firm's resources available for assuring efficiency and completeness of project design. Interview should provide sufficient information to relate proposed course of action and relate expertise of proposed team.

Interviews will be conducted with the Firms selected as most qualified by the C&FMO Selection Committee.

The format for the interviews will be a 15-30 minute presentation consisting, at a minimum, of the following:

- Corporate / Personnel Experience as it relates to the Project
- Uniquely Qualifying Examples or Qualifying Information
- Key Personnel Available for the Proposed Work
- Proposed Project Management Plan
- Proposed Subcontractors
- Product Quality Control
- Project Cost Control

RFQ No. DEFK11028

STATE OF WEST VIRGINIA
Purchasing Division

PURCHASING AFFIDAVIT

West Virginia Code §5A-3-10a states: No contract or renewal of any contract may be awarded by the state or any of its political subdivisions to any vendor or prospective vendor when the vendor or prospective vendor or a related party to the vendor or prospective vendor is a debtor and the debt owed is an amount greater than one thousand dollars in the aggregate.

DEFINITIONS:
"Debt" means any assessment, premium, penalty, fine, tax or other amount of money owed to the state or any of its political subdivisions because of a judgment, fine, permit violation, license assessment, defaulted workers' compensation premium, penalty or other assessment presently delinquent or due and required to be paid to the state or any of its political subdivisions, including any interest or additional penalties accrued thereon.

"Debtor" means any individual, corporation, partnership, association, limited liability company or any other form or business association owing a debt to the state or any of its political subdivisions. "Political subdivision" means any county commission; municipality; county board of education; any instrumentality established by a county or municipality; any separate corporation or instrumentality established by one or more counties or municipalities, as permitted by law; or any public body charged by law with the performance of a government function or whose jurisdiction is coextensive with one or more counties or municipalities. "Related party" means a party, whether an individual, corporation, partnership, association, limited liability company or any other form or business association or other entity whatsoever, related to any vendor by blood, marriage, ownership or contract through which the party has a relationship of ownership or other interest with the vendor so that the party will actually or by effect receive or control a portion of the benefit, profit or other consideration from performance of a vendor contract with the party receiving an amount that meets or exceed five percent of the total contract amount.

EXCEPTION: The prohibition of this section does not apply where a vendor has contested any tax administered pursuant to chapter eleven of this code, workers' compensation premium, permit fee or environmental fee or assessment and the matter has not become final or where the vendor has entered into a payment plan or agreement and the vendor is not in default of any of the provisions of such plan or agreement.

Under penalty of law for false swearing (***West Virginia Code*** §61-5-3), it is hereby certified that the vendor affirms and acknowledges the information in this affidavit and is in compliance with the requirements as stated.

WITNESS THE FOLLOWING SIGNATURE

Vendor's Name: STANTEC CONSULTING SERVICES INC.

Authorized Signature: Garland W. Stutts Date: 3/10/11

State of West Virginia

County of Kanawha, to-wit:

Taken, subscribed, and sworn to before me this 10 day of March, 2011.

My Commission expires July 7, 2013.

AFFIX SEAL HERE

NOTARY PUBLIC Lisa B. Cox