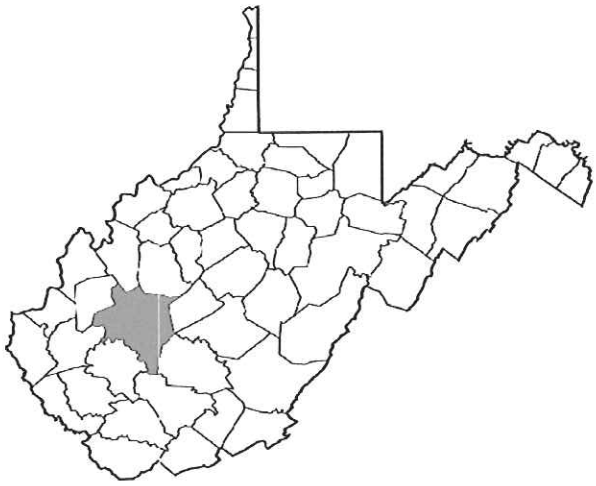
Expression of Interest
WV Army National Guard
State Emergency Crisis Operations Center
Charleston, WV
Purchase Order No. DEFK11031



Submitted to:

Ms. Tara Lyle

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

Submitted by: Stantec

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One Moore Avenue
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PO Box 173
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SECTION I

Expression of Interest Letter

STANTEC CONSULTING SERVICES INC
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Stantec

July 20, 2011

West Virginia Army National Guard
Division of Engineering & Facilities
Armory Board Section
1707 Coonskin Drive
Charleston, West Virginia 25311-1099

Attention: Ms.Tara Lyle, Purchasing Division

Subject: WV Army National Guard
State Emergency Crisis Operations Center in Charleston, WV
RFQ # DEFK11031

Stantec Consulting Services Inc. is pleased to submit this response to the solicitation for Expression(s) of Interest (EOI) for Professional Architectural/Engineering Design Services for the State Emergency Crisis Operations Center in Charleston, WV for the WV National Guard and related emergency service state organizations. We understand that the project will proceed, pending approval and availability of funds, in the following three sequential phases.

Phase I, Feasibility Study: Conduct an in-depth feasibility study that will provide the information and data needed by the WVARNG for evaluation and analysis of the potential impact of both: a)re-purposing the NEUMEDIA facility; and b)new construction in the Coonskin Complex. The Study to include as a minimium the following items as outlined in 3.2.1.1 a thru h of DEFK11031:

- ▶Current Description of Property
- ▶Advantages and disadvantages of the proposed systems
- ▶Space requirements
- ▶Basic layout
- ▶Equipment needs and costs
- ▶Comparison of current and proposed systems
- ▶Project schedule
- ▶Final recommendation

Phase II, Design Charette: The Charette will be used to 1) define a mutually agreeable scope among the parties at interest, 2) estimate cost, 3) initiate and identify required environmental documentation. The Design Charette objectives include the following items as detailed in 3.2.2.1 a thru h of DEFK11031

- ▶Provide mission and infrastructure information
- ▶Allow key players to review preliminary project programming information and provide information
- ▶Document the scoping process
- ▶Produce valid and complete programming documents
- ▶Identify potential opportunities, challenges and isues (initiate LEED checklist)
- ▶Prepare a summary of A/E assumptions used to cost project components
- ▶Produce a rudimentary concept design (eg hand-sketched single line drawings)
- ▶Produce a document that all stakeholders must execute approving project description and scope

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 State Emergency Crisis Operations Center 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 the completed facility.

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

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PROPOSED PROJECT MANAGEMENT PLAN

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

Phase I, Feasibility Study: After selection of our firm to provide services on the project and receipt of preliminary notice-to-proceed, Stantec key project representatives will proceed with the following:

1. Schedule a preliminary 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 key elements of the feasibility study; c) answer preliminary questions concerning constraints, program requirements and points needed to achieve LEED Silver Certification, d) confirm initial project schedule and criteria; e) be advised what information will be furnished by the National Guard and/or other parties; f) review required security (including background check requirements), identification, and passes including keys to the NEUMEDIA site; and g) other items as determined by the WV Army National Guard.

2. Inspect the existing sites, any obstructions, the specific improvements required, and, if necessary, discuss further any preliminary questions concerning the order of the work.

3. Prepare and submit a detailed schedule for Phase I with a fee proposal. Provisions for schedule and fee proposal for Phase II and Phase III will be noted in outline form with suitable requirements for details and updates at the beginning of each phase. After reviews are complete, make any revisions agreed upon and submit agreed upon fees and schedule. (Part 3 of RFQ DEFK11031, along with information obtained from items 1, and 2 above will be used to prepare the detailed schedule and fee proposal.)

4. Execute an agreement for the proposed work. When the agreement is made, Stantec will complete the following services:

   ►deploy Phase I personnel and proceed with collection of necessary data

   ►obtain a copy of any existing plans, reports, and other documents pertinent to the NEUMEDIA site and the NEW BUILD sites that will be either impacted by, or related to, the potential design and construction for review and reference

   ►initiate preliminary surveys of the potential sites

   ►insofar as feasible, pursue completion of the eight (8) required elements of the study concurrently to make the most cost effective use best use of available resources in a timely manner

   ►present report of final recommendation including rationale and detailed supporting data, narrative description of each space in the recommended facility, schematics including floor plans, furniture details, budgets for equipment, energy efficiency plans, and any other appropriate information

Phase II, Design Charette: When the conclusion of phase I is confirmed by WVARNG, appropriate Stantec personnel will attend the scoping meeting in preparation for the Design

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▶discuss access to the site for construction with the WVARNG and prepare a Safety and Phasing Plan; review the plan with the WVARNG; make any revisions requested; submit the final plan

▶prepare preliminary plans that show the general design of the project, such as horizontal and vertical alignment, general notes, estimated items of work, and detail; include alternates for pavement design; prepare draft specifications and bid documents; discuss with WVARNG and determine the specific contractor liquidated damages amount

▶prepare a preliminary estimate of construction costs

▶submit copies of the preliminary documents to the WVARNG and review the documents with them; Process the application for LEED certification of the design with GBCI

2. Final Design: After preliminary design review, and authorization to proceed with final design is received, we will complete the following services:

▶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

▶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 to be referenced in bid documents

▶prepare a final estimate of construction costs

▶submit copies of these documents to the WVARNG and review the documents with them; make any required revisions

▶provide final copies to the WVARNG for use by the Purchasing Division in the bidding process

3. Bidding: During the bidding process, Stantec can supply the following services, if included in the scope-of-services agreement:

▶print and distribute sets of Final Plans, Specifications and Bidding Documents to prospective bidders

▶conduct a pre-bid meeting

▶prepare any addenda as appropriate to interpret, clarify, or expand the Plans, Specifications and Bidding Documents

▶attend the bid opening and assist the Purchasing Division/WVARNG in evaluating bids

4. Construction Administration: If included in the scope-of-services agreement, Stantec will provide the following services:

▶assist the Purchasing Division/WVARNG in preparing the required construction contracts using forms included in the Bid Documents, along with all remaining forms that must be completed; review executed contract, insurance certificates, worker's compensation certificate, and executed forms for

►conduct a final punch-list inspection of the completed project with the contractor, representatives of the WVARNG, and representatives of other appropriate agencies/organizations; provide contractor and WVARNG a copy of items requiring correction, if any

►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.

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 telephone at (304) 206-4336 or by e-mail at garland.steele@stantec.com or gw1928@aol.com. Alternatively contact Perry Morgan, PE at 1(800) 340-2743 or by email at perry.morgan@stantec.com.

Yours very truly

STANTEC CONSULTING SERVICES INC.

Garland Steele, P.E., P.S., FASCE
Project Manager

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Fax: (304) 472-6239
garland.steele@stantec.com

gws

RFQ #DEFK11031

SECTION II

Expression of Interest
Overview & Selected Practice
Area 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 10,500 employees operating out of more than 160 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 office is staffed with a diverse group of experienced professionals and supporting technical personnel .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

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

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.

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

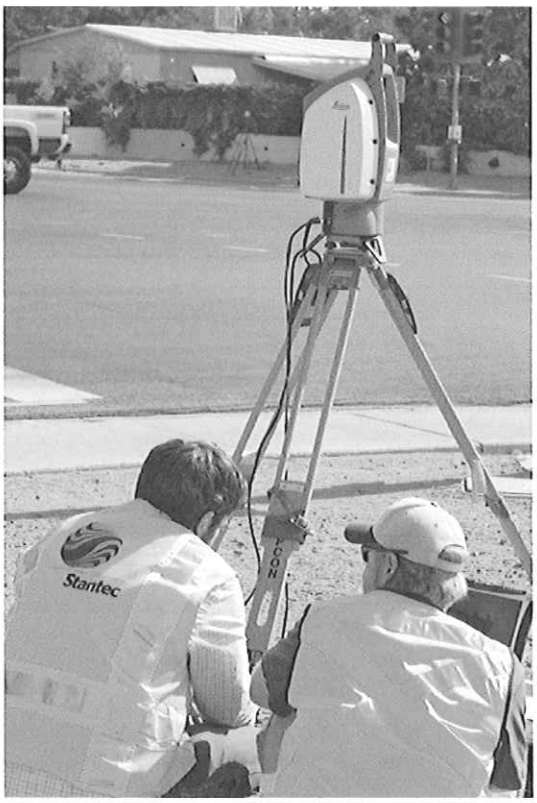
- National reach and capacity with more than 150 offices across the United States and 10,000 US employees (#24 on ENR's list of the Top 500 Design Firms)
- Full-service capability throughout the life cycle • of a project—planning, design, construction, maintenance, and decommissioning
- Leading North 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

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 effectively addressing the logistical and safety considerations inherent in each situation.



3D Laser Scanning

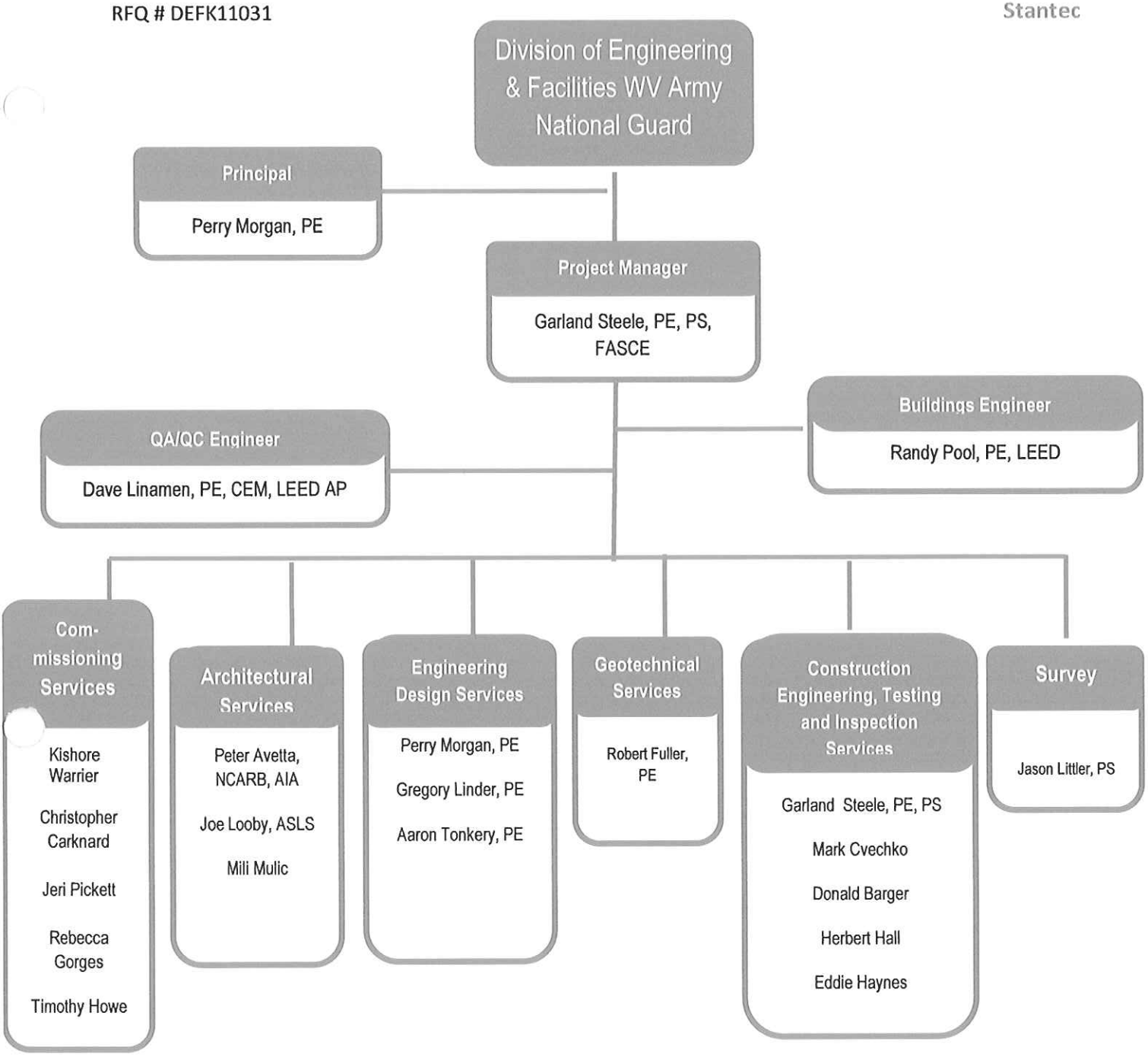
3DLS uses scanning instruments to transmit laser light and collect reflected return data, which is then processed to generate information about a target's surface. Stantec uses land based scanning techniques to produce 3D topographic visuals of the ground surface and the constructed environment. 3DLS 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.

SECTION III

Expression of Interest

Project Personnel



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.

Claflin University Bioscience and Research Technology Center, Orangeburg, South Carolina (Architect)
This $26MM, 130,000 SF high-tech facility houses research and teaching laboratories for molecular, analytical and organic chemistry, biology, bioinformatics, genetics, genomics, proteomics and biotechnology. Other departments include a 3000 SF vivarium, a 300 MHz NMR, electromicroscopy and image analysis, tissue culture suite, a BSL-3 laboratory and a DNA reference laboratory, a 600-seat lecture hall and multimedia lecture rooms.

Hydraulic Pump Testing Facility (Architect)
Frisby Aerospace
Clemmons, NC

North Energy Center Expansion (Architect)
Burroughs Wellcome Company
Diet Mixing Room and Toxicology Laboratory
Research Triangle Park, NC

Retail / Commercial
Advanced Auto Parts Store, Various Locations

Truliant Federal Credit Union - Kernersville Branch, Kernersville, North Carolina

Truliant Federal Credit Union - Mendenhall Branch, High Point, North Carolina

Truliant Federal Credit Union - Burlington Branch, Burlington, North Carolina

NCNB (North Carolina National Bank) (Architect)
Reidsville Branch
Reidsville, NC

Krispy Kreme Doughnut Stores (Architect)
Indiana sites, two stores
Indianapolis, IN

Blue Cross Blue Shield (Architect)
Dining Hall Addition
Chapel Hill, NC

AT&T International Facility (Architect)
Design Center
Mt. Kimbel, NJ

Warehouse / Light Industrial
Arrow International Warehouse Expansion/Distribution Center, Asheboro, North Carolina

EIT Center For Advanced Manufacturing, Danville, Virginia

AMP Incoporated (Architect)
DNS Electronic Materials Facilities Assessment Study
Research Triangle Park, NC

Lewis Storage, Greensboro, North Carolina (Architect)
Distribution Center Expansion

Ferguson Enterprises - Ft. Payne, Alabama (Architect)
Distribution Center

Ferguson Enterprises - McGregor, Texas (Architect)
Distribution Center

Ferguson Enterprises - Front Royal, Virginia (Architect)
Distribution Center

Sara Lee Knit Products (Architect)
Men's Underwear Distribution Center

Kaplan Partners (Architect)
Distribution Center

Arrow International, Inc. - Asheboro, NC (Architect)
Facility Expansion

Frito-Lay - High Point, North Carolina (Architect)
Distribution Center

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

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

AMP Incoporated (Architect)
Master Planning
Greensboro, NC

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

Champion Products (Architect)
Cutting Room Expansion
Gaffney, SC

** denotes projects completed with other firms*

Peter E. Avetta NCARB, AIA, LEED® AP
Principal, Architecture

LEED® AP, U.S. Green Building Council

Affiliate Member, North Carolina Airports Association

Board Member, Construction Professionals Network of North Carolina, Inc.

Member, National Council of Architectural Registration Boards

AWARDS

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

PROJECT EXPERIENCE

Airports & Aviation
Seymour Johnson Air Force Base, Goldsboro, North Carolina
Construct operations building at Dare County, North Carolina project site.

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

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

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

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
Title IA and IB Services for squad facilities 2201, 2208, 4535, and 4538.

Community Institutional
Points West, Inc. (Architect)
Wakefield Day Care Center
Raleigh, NC

Vogler & Sons Funeral Home (Architect)
Funeral Home Expansion
Winston-Salem, NC

Black Mountain Center (Architect)
Alzhiemer's Unit Renovations
ICF/MR Renovations
Black Mountain, NC

Corporate / Office
Henry County Water and Sewerage Authority Tussahaw Water Treatment Facility, McDonough, Georgia (Architect)

Henry County Water and Sewerage Authority Camp Creek Renovations, McDonough, Georgia (Architect)

Henry County Water and Sewerage Authority Engineering Building and Main Building Renovations, McDonough, Georgia (Architect)

Eagle's View Shell and Core Office Building, Danville, Virginia (Architect)
40,000 sf, LEED Silver Certification

Market America Office Building Addition, Greensboro, North Carolina (Architect)

Polo Ralph Lauren Office Renovation, High Point, North Carolina (Architect)
2-story addition and renovation of 44,000 sf space

Polo Ralph Lauren Data Center Expansion, High Point, North Carolina (Architect)

Aon Risk Services, Winston-Salem, North Carolina

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

CentrePort II Office Building (Architect)
Class A Commercial Office Building
Greensboro, NC (48,000 sf)

Cambridge Partners, Inc., Charlotte, North Carolina (Architect)
New Class "A" Commercial Office Building (63,000 sf)

** denotes projects completed with other firms*

DONALD BARGER

CONSTRUCTION INSPECTOR, LEVEL III

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

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

Christopher Carknard

Mechanical Engineer

Stantec

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 pharmarceutical, 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

MEMBERSHIPS

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

PROJECT EXPERIENCE

Bio/Pharmaceutical Compliance

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.

Bio/Pharmaceutical Facilities

Ash Stevens Inc. - Bay 500 Hydrogenation Upgrade, Riverview, Michigan (Mechanical Engineer)

Assisted in the design, selection, and specification of mechanical equipment to fit out an existing processing suite with modular processing equipment for Hydrogenation operations including adding capacity to an existing chiller plant and the addition of local exhaust particulate containment arms.
Performed an overall system analysis on an existing exhaust ductwork system. Mechanical team developed the mechanical and process portions of the overall project cost opinion analysis. Assisted in the preparation of the Basis of Design report, code review, and performed a cost benefit analysis for temperature control unit options.

Becton Dickinson - Building 100 Mechanical Process Systems, Wilson, North Carolina (Mechanical Engineer)

Assisted in the design, selection, specification, development, and layout of mechanical process systems including a pure steam generator, downflow containment booth, and autoclaves for a new pharmaceutical facility.
Designed the layout and selected associated instrumentation and equipment for process systems such as compressed air, pure steam distribution, and process utility panels.

** denotes projects completed with other firms*

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.

Mark Cvechko

Project Manager

Stantec

Mr. Cvechko has 30 years of management experience in the Heavy/Highway/Building/Wind Power industry. Mr. Cvechko has worked as senior estimator, project manager and construction manager on projects ranging from one to 30 million dollars. Mr. Cvechko has been in charge of and implemented numerous safety programs and performed safety field inspections. Mr. Cvechko has also performs plan review on design projects for constructability. He has field experience as a superintendent, which attributes a key eliminate in the design process. Mr. Cvechko manages construction projects which include surveying, geotechnical investigation, construction observation, and quality control testing and is responsible for oversight of the Concrete and Aggregate Materials Laboratory.

EDUCATION

AS, Land Surveying, Glenville State College, Glenville, WV, 1977

West Virginia State Police Academy Institute, Glenville, WV, 1978

PROJECT EXPERIENCE

Construction Administration
Upshur County Board of Education
Construction Inspector responsible for providing quality control testing during construction of a new school. Provide monitoring and inspection of auger cast in place piles. Coordinate with contractor and owner.

Nedpower LLC, Mount Storm, WV
Project Manager responsible for staffing construction inspection. Provide best construction management practices and value engineering for civil construction of 30 miles of roadway and turbine pads. Project included field inspection and erosion sediment control inspections. Field changes were evaluated and provide to the owner as value engineering to reduce cost to owners and to keep the project on budget and schedule. Attend progress meeting, prepare invoices and communicate with the owner.

Mt. Storm Wind Farm
Project Manager responsible for directing workforce to provide quality control testing for all roadways, turbine pads, concrete foundations, anchor bolt testing and grout testing. Providing an onsite laboratory to conduct concrete breaks. Coordinate schedule to provide personnel for 7 day a week/ 24hour a day coverage. Review reports and provide client with all required submittals.

Laurel Mountain Wind PowerProject
Project Manager responsible for staffing construction inspection. Provide best construction management practices and value engineering for civil construction of 12 miles of roadway.

Construction Administration Services
Corridor H
Provided design insight and constructability analysis for design engineers. Provided cost estimates and plan review.

Snowshoe Site and Utilities*
Construction Manager responsible for installation of underground power and fiber optic cables. Duties included directing work force, safety, ordering and scheduling delivery of supplies, preparing cost estimates, prepare change order requests, scheduling subcontractor. Communicating with owner the progress of the project.

Calhoun County High School/School*
Project manager responsible for site work and utilities for construction of a new high school. Duties included preparing submittals, project scheduling, ordering supplies, attend progress meetings and maintain cost controls, safety inspections, prepare pay estimates and change orders.

Mussleman High School*
Project manager responsible for site work and utilities for construction of a new high school. Duties included preparing submittals, project scheduling, ordering supplies, attend progress meetings and maintain cost controls, safety inspections, prepare pay estimates and change orders.

Route 60 Slide

Spruce Fork Face up

Broaddus Hospital

Masontown AML

Oil Creek Road*
Construction Manager Duties included directing work force, safety, ordering and scheduling delivery of supplies, preparing cost estimates, preparing change order requests, scheduling subcontractors. Communicating and coordinating construction activities with the railroad.

** denotes projects completed with other firms*

Robert D. Fuller PE

Senior 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

MEMBERSHIPS

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)

Mr. Fuller was responsible for the development of instrumentation and data acquisition systems to be deployed at the site for both the new and existing bridges. Mr. Fuller interpreted inclinometer and strain gage data installed in drilled shafts to detect movement caused by a potentially on-going landslide. Mr. Fuller troubleshot and interpreted tiltmeter data from the existing bridge. Mr. Fuller also interpreted in-place inclinometer data.

Dams & Levees

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

USACE Huntington District requested that Stantec install two uplift cells beneath the concrete gravity dam as part of a reanalysis of its stability. Four major tasks were included: a literature review of foundation geology, structures and existing instrumentation; installation of a temporary automatic data acquisition system (ADAS) including hardware and software; installation of two uplift cells, which required vertical and angle rock coring from within the gallery; and preparation of a report documenting the above mentioned work. Mr. Fuller developed the installation plans for the uplift cells and ADAS and coordinated all aspects of the project with USACE personnel.

Mississinewa Lake Dam, Wabash, Indiana (Senior Geotechnical Engineer)

As a result of a subsidence in the dam, Stantec was retained to perform an investigation. Mr. Fuller supervised the drill crew, being solely responsible for conducting an integral aspect of the dam safety project by overseeing the installation of slope inclinometers and magnetic extensiometers at the dam. Once Mr. Fuller and the drill crew completed the installation, he trained USACE Louisville District personnel to appropriately read the instruments.

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

Mr. Fuller was responsible for providing Geotechnical Engineering services to investigate a river bank landslide which was adversely undermining the river levee and impacting utility services to the refinery. The initial exploration included barge drilling, sampling and installation of slope inclinometer instrumentation both on land and in the river. The remediation of the landslide was successfully completed with the design and construction of a steel H-pile retaining wall.

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

Mr. Fuller was responsible for providing the Geotechnical Engineering services to investigate river bank instability issues which were adversely impacting the dock's foundation. The upgrades included a new pipe rack deep foundation system and river bank slope stabilization measures. Services included site characterization, environmental compliance permit procurement with Boyd County, Commonwealth of Kentucky, and Huntington District US Army Corps of Engineers, slope and structure monitoring programs, construction quality assurance services and record plan submittals.

Rebecca Gorges, PE

Process Engineer

Stantec

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. Worked closely with mechanical and electrical teams to ensure utility requirements of process equipment were met. Served as design team representative on-site during SATs, commissioning, and validation to ensure a smooth startup.

HERBERT C. HALL

Inspector – Level IV

Stantec

Education

Bluefield College, *Bluefield, Virginia*
Major: Assoc. of Science in Engineering, 1969

Bluefield State College, Bluefield, WV
Major: BS, Chemistry Major/Math Minor, 1971

Certifications

Level IV – Bridgemont Community & Technical College, #1100

Concrete Inspector – WVDOH

Concrete Technicial – WVDOH

Aggregate Technician – WVDOH

Asphalt Inspector – WVDOH

Compaction Inspector – WVDOH

Computer Skills

West Virginia Division of Highways Progress Record System (PRS)

FORTRAN Computer Programming

Stantec Consulting Services Inc.
218 6th Avenue, St. Albans, WV 25177

- Perform project inspection and documentation of all facets of small and medium bridge construction
- Inspect and document condition of link and pin joints on various bridges throughout WV
- Inspect various drainage corrections and document results

Retired from WVDOH – October 2004

Engineering Tech (November 1971– October 2004)
West Virginia Division of Highways
208 hardwood Lane, Princeton, WV

Stantec

EDWARD G. HAYNES
Bridgemont Level IV

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) & II (Registration #21319)

Bridgemont
Transportation Engineering Technician Sr., Construction Specialization #1026

Experience and Qualifications
26 Years

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

WV Division 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

David R. Linamen PE, CEM, LEED AP

Director

Stantec

David specializes in energy-conscious design for healthcare, lab, and higher education projects, and has an in-depth understanding of all engineering systems vital to these types of facilities. He is an innovator who applies strategic planning and technology to solve unprecedented problems. His engineering responsibilities have included the design of new systems and comprehensive system renovations, as well as the evaluation of existing facilities, computer program development, research, and energy management programs for existing buildings.

David has led teams in creating award-winning projects that have received both regional and national ASHRAE Energy Awards for energy-efficient design. He is a contributor to a number of research projects that have received national awards. He has also authored many technical articles and lectured extensively in the general fields of residential / commercial energy management and design.

EDUCATION

Bachelor of Science, Mechanical Engineering, General Motors Institute, Flint, Michigan, 1975

REGISTRATIONS

Professional Engineer #018050, State of West Virginia

Professional Engineer #PE.73792, State of Ohio

Professional Engineer #086349, State of New York

Professional Engineer #24GE04442600, State of New Jersey

Professional Engineer #92423, State of Texas

Professional Engineer #30967, State of Maryland

Professional Engineer #039340, Commonwealth of Virginia

Professional Engineer #PE033348E, Commonwealth of Pennsylvania

Professional Engineer #20465, State of Kansas

LEED Accredited Professional, U.S. Green Building Council

MEMBERSHIPS

Member, Association of Energy Engineers

Pittsburgh Chapter, Committee Chair, American Society of Heating, Refrigerating & Air-Conditioning Engineers

Member, American Society of Plumbing Engineers

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

PROJECT EXPERIENCE

Education
Glenville State College, Glenville, West Virginia

College of William & Mary - Small Hall Addition and Renovation, Williamsburg, Virginia

Columbus State Community College - Center for Workforce Development, Columbus, Ohio

Carnegie Mellon University - Doherty Hall Phase I, Pittsburgh, Pennsylvania

Jamestown Community College - Science Building, Jamestown, New York

Miami University - School of Engineering & Applied Science Building and Benton Hall Renovation, Oxford, Ohio

Monmouth College - Academic Complex, Monmouth, Illinois

Lord Fairfax Community College - Laboratory Building (concepts only), Middletown, Virginia

Juniata College - The William J. von Liebig Center for Science, Huntington, Pennsylvania

** denotes projects completed with other firms*

University of Pittsburgh Medical Center - Thomas E. Starzl Biomedical Science Tower South, Pittsburgh, Pennsylvania

University of Pittsburgh Medical Center - Pathology Laboratory, Pittsburgh, Pennsylvania

University of Pittsburgh Medical Center - Thomas E. Starzl Biomedical Science Tower North, Pittsburgh, Pennsylvania

UPMC Montefiore, Pittsburgh, Pennsylvania

UPMC Presbyterian, Pittsburgh, Pennsylvania

University of Pennsylvania Health System - Penn Medicine at Radnor, Radnor, Pennsylvania

Georgetown University Medical Center - Renovations to Building D, Washington, District of Columbia

Research / Laboratories
Alcon Laboratories - Alcon Surgical, Ft. Worth, Texas

Alliant Tech Systems - Allegheny Ballistics Laboratory, Rocket Center, West Virginia

Crucible Research Center, Pittsburgh, Pennsylvania

Westinghouse Research Corporation - HVAC Systems/Fuel Cells, Pittsburgh, Pennsylvania

Westinghouse - Environmental Laboratory, Pittsburgh, Pennsylvania

US Geological Survey - J.W. Powell Building, Reston, Virginia

National Institutes of Health - Porter Neuroscience Center, Bethesda, Maryland

Howard Hughes Medical Institute - Janelia Farm Research Campus, Ashburn, Virginia

The Van Andel Institute, Grand Rapids, Michigan

University of California Los Angeles - California Nano Systems Institute, Los Angeles, California

** denotes projects completed with other firms*

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*

- 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*

Jason Littler PS
Professional Land Surveyor

Stantec

Mr. Littler has over 13 years of experience with responsibilities including such positions as Roadway DesignTechnician and Survey Project Manager. He has performed design technician work on roadways, civil sites, and drainage computations. He has performed survey work on construction layout, earthwork volumes, topographical surveys, aerial control surveys, boundary surveys, WVDOH right of way plan development, courthouse research, deed work maps, survey plats, survey descriptions, earthwork volume computations, hydrology computations, WVDOH waste permits, plan preparation, subdivision plats, fine grade computations, and field crew management. He has been the surveyor in professional charge of over 1000 boundary surveys ranging in size from small lot and partition surveys to large multi-tract 1000 acre surveys. He has performed ALTA/ASCM land title surveys all throughout West Virginia for various Banks and development companies.

EDUCATION

BS, Engineering Technology/Surveying, West Virginia Institute of Technology, Montgomery, WV, 1996

AS, Civil Engineering Technology, West Virginia Institute of Technology, Montgomery, WV, 1995

REGISTRATIONS

Certified Engineering Technician #1902, State of West Virginia

Professional Land Surveyor #2139, State of West Virginia

PROJECT EXPERIENCE

Airports & Aviation

Barnesville Airport, Barnesville, OH
Lead surveyor on the site surveying and topography for the design of a new access road and taxiway / apron rehabilitation.

Marshall County Airport, Moundsville, WV
Lead surveyor on the site surveying and topography for the rehabilitation of the airport apron. Performed boundary surveying and computations on portions of airport property lines for location of existing property monuments.

Woodsfield Airport, Woodsfield, OH
Lead surveyor on the site surveying and topography for the rehabilitation of the apron and taxiway.

Buckhannon Upshur Airport Authority, Buckhannon, WV*
Mr. Littler performed the construction layout to repair slips on both sides of the runway. Project consisted of excavation of slide material on both sides of the runway, and then the replacement of engineered fill to finish grade.

Bridges

Upper Tract Bridge, Pocahontas County, WV
Survey Project Manager in charge of surveying on this WVDOH project. Mr. Littler supervised the survey crew on elevations and topographic surveying of the site. He produced an original ground map and calculations brief for submittal to be used in the redesign of a replacement bridge over the South Branch of the Potomac River. Design consisted of a new 346 foot long, 30 foot wide curved steel bridge.

Mile Branch Truss Bridge, McDowell County, WV
Survey Project Manager in charge of surveying on this WVDOH project. Mr. Littler supervised the survey crew on elevations and topographic surveying of the site. He produced an original ground map and calculations brief for submittal to be used in the redesign of a replacement

commercial site, such as drafting plans showing all site grading, drainage structures and sediment pond sizing. He also prepared a draft National Pollution Discharge Elimination System (NPDES) permit for approval.

Fairskies Development, Buckhannon, WV*
Mr. Littler provided design technician services for site design to produce the most available land use for this development. He also assisted with calculating pre and post runoff curve numbers with discharges, for use in designing drainagel structures, and provided mapping and placement of a relocated gas line. He also drafted an NPDES permit for review and submittal..

Power

TrAIL Co., Various Counties throughout WV
Currently providing surveying services to the design team which is working on design, and plan preparation of approximately 12, 500 LF. Of access road, surveying and eventual survey layout of these roads for this transmission line that runs from Virginia, through West Virginia and into Pennsylvania. Also will be performing survey layout for earthwork on the proposed tower locations.

Nedpower Mount Storm Wind Project, Grant County, WV
Provided surveying services for the design team on design, and plan preparation for an 82 turbine wind farm project. The project includes 14.2 miles of access road design, drainage system design, and an erosion and sediment control plan. A phase 1A and Phase II have also been included on this project which consisted of an additional 56 wind turbines and over 8 miles of additional access road design. Also served as survey project manager performing all mapping, volume, boundary, etc which came about during the life of the project. Responsible for all day to day survey activities associated with the management of this project along with communications with all parties involved with the development of this large wind farm.

Blacksville #2 Power line, Greene County, PA
Survey Project Manager in charge of centerline surveying of approximately 17,500 feet of a proposed overhead transmission line for Consol Energy. Provided original ground centerline, 25 foot left, and 25 foot right profiles for wire clearances. Also in charge of clearing limits and property line locations along centerline. End product consisted of Plan and Profile sheets showing centerline, 25 foot left and 25 foot right original ground profiles. Project also consisted of field surveying of wire height sag of an existing 500 KV transmission line for identification of the lowest wire to ground clearance so the location of the proposed line met clearance requirements.

Cambell's Run to 11D Air Shaft, Marion County, WV
Survey Project Manager in charge of centerline surveying of approximately 10,200 feet of a proposed overhead transmission line for Consol Energy. Provided original ground centerline, 25 foot left, and 25 foot right profiles for wire clearances. Also in charge of clearing limits and property line locations along centerline. End product consisted of Plan and Profile sheets showing centerline, 25 foot left and 25 foot right original ground profiles.

Roadways

Philippi Bridge and Bypass, Philippi, WV
Mr. Littler assisted in the construction layout for both the bridge and the bypass for Orders Construction and Central Contracting.

reviewing of all data, final cross section data, checking of all computations.

Robinson Run Preparation Plant, Harrison County, WV
Mr. Littler served as Survey Project Manager in charge of surveying on this 2200 TPH coal preparation plant being constructed for Consol Energy. This plant was built to replace the existing plant which had served its time. This project was unique in that the new prep plant was positioned directly behind the existing plant and the existing conveyor feed line to the plant was to only be extended from the old plant into the new plant. The tolerances on alignment tie in was minimal and final tie-in between the old conveyor feed line and the new conveyor feed line was accomplished in a couple of days with no misalignment problems.

WVDEP Office of Abandoned Mine Lands and Reclamation Northern Mapping Services, Throughout the northern counties of West Virginia, WVDEP AML & R.
Mr. Littler served as Survey Project Manager in charge of surveying and mapping on this Project with the West Virginia Department of Environmental Protection. This contract consisted of Surveying and mapping services to be used for the design and construction of projects located throughout the northern counties of West Virginia. Mr. Littler completed 7 projects that were assigned to him and his team with an aggressive time schedule.

WVDEP Office of Abandoned Mine Lands and Reclamation Southern Mapping Services, Throughout the southern counties of West Virginia, WVDEP AML & R.
Mr. Littler served as Survey Project Manager in charge of surveying and mapping on this Project with the West Virginia Department of Environmental Protection. This contract consisted of Surveying and mapping services to be used for the design and construction of projects located throughout the southern counties of West Virginia. Mr. Littler completed 21 projects that were assigned to him and his team with an aggressive time schedule.

State Route 142 Widening, London, OH
Mr. Littler provided surveying and design technician services for this project to widen a two-lane road into a three-lane road. Mr. Littler assisted the design team with completion of a set of construction plans for submittal to the State of Ohio.

Tygart Valley Dam, Grafton, WV*
Served as survey crew chief producing as-built surveying diagrams of piping within the dam. Surveying was conducted inside the dam for all as-built locations. Information was to be used for realignment of new pipes being replaced. Also performed original ground topography surveying for an access road leading to the base of the dam for access of equipment.

Pine Bluff Tipple Complex, Pine Bluff, WV*
This project is a Bond Forfeiture site located in Pine Bluff, WV. Mr. Littler provided surveying services for this Complex and constructed an as-built map of the completed site.

Dolphin Communications, Bridgeport, WV*
Mr. Littler performed a complete boundary survey of this tract and produced original ground mapping for the proposed road location to the new KISS FM radio station. Mr. Littler also provided design technician services for the work.

Joseph E Looby ASLA, LEED AP

Project Manager

Stantec

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

MEMBERSHIPS

Nursey and Landscape Association, State of Ohio

Member, American Society of Landscape Architects

PROJECT EXPERIENCE

Bicycle and Pedestrian Paths

Lakewood Trails, Putnam Township

Lakelands Trail is one of many sections that will combine to form a shore-to-shore connection from Port Huron to South Haven known as the Airline Trail. The Stantec Design Team first prepared a detailed survey of the proposed alignment that included over 30 delineated wetlands along the 6-mile section of trail. Then, a concept plan was prepared that illustrated a trail that could accommodate both pedestrian and equestrian users. Some portions of the trail will have separate, parallel trails and other sections will have one wider, combined trail. The objective was to provide as much separation between the two uses as possible while minimizing the impact on adjacent wetlands and vegetation. Where it is not possible to separate the equestrians from the pedestrians the trail will be as wide as the existing railway cap will allow.

The concept was approved by the Township Trustees after several public presentations and design workshops. Stantec then prepared two grant applications to MDOT and MNRTF based on 30% complete engineering plans and cost estimates. Construction is expected to begin in spring of 2011.

Lohr Road Greenway

This 2.5 mile trail will run adjacent to Lohr Road and Textile Road in Pittsfield Township, Michigan. This section is part of a larger network of trails sought by the Township to connect residential areas with parks, schools and other neighborhoods. Stantec prepared a topographic survey of the area and prepared conceptual plans of the proposed trail. Then Stantec conducted several public workshops to educate the community on the project's details and solicit their input. The trail will be 10' wide with a 2' shoulder. The project also included easements, some minor wetland mitigation, stormwater mitigation, as well as the placement of benches, bike bollards, signage, and landscaping. Construction is anticipated to begin in the fall of 2010.

** denotes projects completed with other firms*

Joseph E Looby ASLA, LEED AP

Project Manager

Genoa Township Park Master Plan, OH

As chairman of the Parks Committee, Mr. Looby led monthly discussions with resident volunteers to create the township first park master plan. In addition to setting goals and objectives, the plan included analysis of all the township's parks and a Paved Pathway Master Plan to guide the township in the construction of a pedestrian network that connected neighborhoods with popular destination.

West Virginia Wesleyan College, Buckhannon, WV

Designed and managed the preparation of construction document for outdoor spaces, pedestrian connections and landscaping surrounding this extension to Christopher Hall. The process required collaboration with Stantec's engineers and the college's architect.

Holzer Clinic, Athens, OH

Managed the design of the outdoor spaces for this new medical facility. The areas included an outdoor plaza, roof-top garden, and site landscaping at the main entry and grounds. Collaboration with the clinics architect and Stantec's civil engineer was necessary to insure the designs were compatible with the sites other improvements.

9th Street Revitalization, Huntington, WV

Studio teamed with Stantec's traffic and civil engineers to create a series of studies to improve 9th street between 3rd and 5th Avenues. The city was interested in restoring two-way traffic and improving the pedestrian experience. He directed field research, design development, and round-table discussions with City leaders to prepare several conceptual designs. The preferred concept was further developed into construction documents that resulted in a revitalization of this urban corridor.

Waverly Schools Master Plan, Waverly, OH

Design team's Project Manager that created a master plan of this 100-acre site. The plan illustrated the location of a high school, middle school, two elementary schools stadium, and practice fields. The design process included close collaboration with the school's architect and steering committee.

Otterbein Retirement Community Master Plan, Lebanon, OH

Managed a team of engineers, landscape architects and campus planners to create a future land use plan for Otterbein's 1200-acre community. The plan was based on site research, engineering feasibility, input from Board members and New Urbanism design principles.

Raccoon Valley

Conceptual design work and construction documentation for the expansion of an existing 40 acre park to 68 acres. In collaboration with a Gregg Gaber and Association. The design intent was to integrate the proposed recreational facilities into the existing park. Special care was taken in the design and layout of the park features as much of the project area lies within the floodway/floodplain of Raccoon Creek. The proposed park amenities include: additional softball fields, football and soccer fields, basketball courts, playgrounds, new and renovated parking areas, pedestrian pathways, picnic pavilions, restrooms, a storage building, a concession facility, and landscape installations. Stantec worked with the client to phase the park construction over an eight year period with one phase occurring each year in order to meet the allowed budget. Additional improvements beyond the initial eight year period were also recommended and recorded in a long range plan. The phasing, cost estimates and the long range plan were organized and presented to the Recreation Commission for their future use and reference.

Fuller and Olson Park Renovations, Ann Arbor, MI

Managed the design team in the preparation of recommendations and cost estimates to renovate eight soccer fields at Fuller and two at Olson Parks. Recommendations were presented to City officials to finalize field restoration programs. Construction documents were prepared based on recommendations that included regrading, soil restoration, sod specification, irrigation modifications, underdrains design, storm lines, fence and gates, and sports lighting. Stantec also provided bidding, contractor selection and construction administration services during the renovation process.

Historic District Enhancements, Obetz, OH

Preparation of a master plan to enhance the Village's oldest subdivision that was plotted in 1838. The plan was the result of community input and included stone and brick sign walls, historic medal fencing, and landscaping to create a "gateway" at five key entry points.

Pittsfield Preserve, Pittsfield Township, MI

Prepared a Master Plan of the Township owned property that included a proposed administrative campus: a 30k sf maintenance facility, 60k sf public safety building and a 40k sf recreation center. However, the vast majority of the 700 acre property will be left natural with the only planned improvements serving the purpose of providing access to the sites natural features. These included walking paths, nature trails, parking, boardwalks, and signage.

** denotes projects completed with other firms*

Grace Brethren Church Park, Centerville, Ohio (Project Manager)
The park area for the church was developed in conjunction with a surrounding PUD, also designed by Stantec, to satisfy zoning and stormwater management requirements. The developer agreed to design and construct a portion of the park and in exchange the Church would allow it to be used by the future neighborhood residents. The result was a space that served many purposes. The parks main feature is a pond that not only provides storm water detention, but also is designed to add aesthetics to the church property and proposed neighborhood. The shape of the pond is made interesting through an interplay of water, mounds, fountains and the preservation of existing trees around its perimeter. A peninsula was incorporated into the design to create a focal point for a future gazebo and public gathering areas. The remainder of the park space was designed with the Church's future growth plans in mind and included areas for building and parking expansions, ball fields, walking paths and space for spiritual reflection.

Vinmar Park (Project Manager)
The idea for this park was conceived by a local developer as a means to provide open space for his proposed development and satisfy a need by a local church for organized sports fields. The result was a design that could be developed in conjunction with a larger site. Park elements included in the design were baseball fields (Pony League), football, soccer, track with field sports, parking, walking path, buffer from adjacent neighbors and tree preservation.

Carson Farms Park, Delaware, Ohio (Project Manager)
This project began as part of a PUD re-zoning, which Joe managed. This included approximately 200 acres of mixed single-family housing, open space areas, parks, and pedestrian connections throughout. The City was granted an 8-acre site as part of a Parkland Dedication Zoning Requirement and retained our landscape architecture studio, managed by Mr. Looby, to manage the detailed design and construction of the park.

Sports, Recreation & Leisure
Columbus Crew Training Facility, Village of Obetz, Ohio (Project Manager)
Site Manager for the Columbus Crew Training Facility. Responsible for design and implementation of the design of this 80+acre park. Prepared the final construction documents for this facility, as a member of the Design Team. Designed and supervised the installation of the Columbus Crew's practice field, a state-of-the-art field with an elaborate drainage system, tied to the irrigation system, and "Sports Turf" sod, which is an extremely high quality turf for professional sports teams. In addition, executed the bid process for the field lighting.

Streetscapes
Jeffersontown Bluegrass Industrial Park, Jeffersontown, OH
This 1800-acre industrial park is home to over 850 companies with approximately 40,000 employees. The City desired to re-invest its resources into this important area and commissioned a study to examine current conditions,, evaluate the needs of the owners, and provide recommendations to improve and grow the park. A diverse team was assembled that included a local planner, real estate specialist and Stantec that provided landscape architecture and civil engineering expertise. Some of Stantec's recommendations included: aesthetic upgrades to the park's major intersections, wayfinding plan with signage, create a hierocracy of landmarks for navigation and identity, and concepts for logo and re-branding.

West Main Street Enhancement, Xenia, OH
Prepared a master plan and construction documents for a mile-long corridor leading into the City from the west. The final design reflected public input that was derived during a design charette conducted by Stantec. It was also necessary to coordinate with the DOT since a portion of the project was funded through a Transportation Enhancement grant.

Recommendations for a Pedestrian Friendly Campus, West Virginia University, WV
Through a process that included field observations, interviews with local governments and direction from the WV Walks Oversight Committee, a study was created that contained analysis of the existing campus condition, pedestrian friendly design guidelines, and proposed master plan of pedestrian routes. The final study included 22 recommendations and 75 potential solutions as well as conceptual renderings depicting future streetscape improvements, a pedestrian bridge over WV 705 and a future "Urban Center" mixed-use development.

Galena Street, Toledo, Ohio (Project Manager)
Prepared streetscape design and presentation boards for community meetings for this revitalization program of slum and blighted area for community enhancement.

Groveport Road Streetscape Improvements, Obetz, Ohio (Project Manager)
Entailed design of streetscape elements to provide a sense of arrival into the downtown of Obetz. Design elements include the use of trees to soften existing building facades and reinforce the linear nature of the street as it funnels views to the entry gateway. Benches, trash receptacles, and decorative brick pavers are incorporated into these areas and allow the Village to concentrate its costs into specific zones where people will congregate.

** denotes projects completed with other firms*

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 Vrignia State 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

Mili Mulic Dipl.Ing. Architect

Associate

Stantec

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. His agile and expressive schematic renderings of a project during the design phase facilitate the communication of developing design ideas to the Client. Mili's expertise includes a strong knowledge of all design aspects, as well as interior and urban design with exceptional people skills and broad experience in Corporate, Commercial, Institutional, and residential projects for public-sector and private-sector clients.

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

Corporate / Office

Eagle's View Shell and Core Office Building, Danville, Virginia (Design Architect)
60,000 square feet office building

Syngenta Corporate Office Building Renovation, Greensboro, North Carolina (Design Architect)

Henry County Water/Sewer Authority Office Building, McDonough, Georgia (Design Architect)

Market America Office Building, High Point, North Carolina (Design Architect)

Locust Grove Police Station/District Court, Locust Grove, Georgia ((Architect))

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

Deckra*, Rostock, Germany (Architect)
Administration, vehicle inspection, and car school center.

Liberty Property Trust*, High Point, North Carolina (Architect)
Schematic designs for new restaurant and office park facility.

Koury Corporation*, Greensboro, North Carolina (Architect)
Village at North Elm in Greensboro NC

Die Barenschanze Office Center*, Nuremberg, Germany (Architect, Project Leader)
300,000 sf professional business center with 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.

Cultural, Religious & Public Assembly

Multiplex Kino Movie Theater*, Fuerth, Germany (Architect, Project Leader)
Project included restaurants, retail spaces and underground parking

Multiplex Kino Movie Theater*, Eriangen, Germany (Architect, Project Leader)
Multiplex movie theater with shopping center

Education

Colorado State University - Research Innovation Center, Fort Collins, Colorado (Design Architect)

North Fear Building Renovation, Pennsylvania (Design Architect)

** denotes projects completed with other firms*

UCI Kino*, Fuerth, Germany (Architect)
Multiplex center

Kino*, Erlangen, Germany (Architect)
Multiplex center

Forcheim Professional Service Center*, Forcheim, Germany (Architect)
Mixed use development including office, retail and residential areas.

Multi-Unit / Family Residential
Cedars of Chapel Hill*, Chapel Hill, North Carolina (Design Architect)
560-acre planned neighborhood for mixed uses and age groups. Individual homes, clubhouse, multi-story condominium buildings with underground parking and a central great lawn.

Somerset House, Various Locations, North Carolina, South Carolina, Virginia (Design Architect)
Diversified Senior Services. Master plan for 54 individual homes and three 30-unit structures and 60-room assisted living facility.

Azalea Terrace, Winston-Salem, North Carolina (Design Architect)
Senior Living Facility with 100 apartments

Kimberly Park Terrace, Winston Salem, North Carolina (Design Architect)
Revitalization Master Plan for 70-acre public housing neighborhood.

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

Research / Laboratories
Piedmont Triad Research Park - Wet Lab LaunchPad, Winston-Salem, North Carolina (Architect)
New 5000 SF laboratory incubator space for three new biotech firms in the 140-acre downtown research park. Stantec's vision for the facility included designing and soliciting $740,000 of donations to deliver this facility to the community, which will facilitate commercialization of university-based research into the private sector.

Retail / Commercial
Stratford Plaza, Retail Center*, Winston-Salem, North Carolina (Design Architect)

Truliant Federal Credit Union - Kernersville Branch, Kernersville, North Carolina (Design Architect)

Truliant Federal Credit Union - Mendenhall Branch, High Point, North Carolina

Truliant Federal Credit Union - Burlington Branch, Burlington, North Carolina

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

** denotes projects completed with other firms*

Jeri A. Pickett, PE, LEED AP

Engineering Manager/Electrical Engineer

Stantec

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. The project is LEED v2.2 Energy and Atmosphere category, the prerequisite for Fundamental Commissioning and Credit 3 Enhanced Commissioning of the Building Energy Systems. The facility design has an 88,000 square foot, six-story structure consisting of office space, meeting and conference rooms and other ancillary spaces. The existing structure consists of CMU and brick veneer. A metal panel facade with integral insulation will be added to upgrade the envelope. The mechanical systems include rooftop units, high efficient condensing boilers, and a full DDC system. The electrical system includes occupancy sensors and photosensors for staged daylighting control and the lighting systems. Responsibilities included reviewing the BOD and OPR, and preparing the Commissioning Specification and Functional and Prefunctional Checksheets. Also attended construction meetings, prepared commissioning action list, and visited the site to review and verify the PFT and FT.

- Clarkson University Student Center, Potsdam, New York

Commissioning Agent responsible for commissioning component of a three-story, 45,000 sf new Student Center. The project is LEED-NC v2.2 Energy and Atmosphere category, the prerequisite for Fundamental Commissioning of the Building Energy Systems. The facility design has a 45,000 square foot, three-story structure consisting of office space, student and faculty dinning and muti-purpose meeting and conference rooms. The building is steel frame with brick veneer and EFIS. The mechanical systems include three air handling units, an air-cooled chiller, high efficient condensing boilers, and a full DDC system. The electrical system includes occupancy sensors and photosensors for staged daylighting control of the lighting systems. Responsibilities include reviewing the BOD and OPR, and preparing the Commissioning Specification and Functional and Prefunctional Checksheets. Also attended construction meetings, prepared commissioning action list, and visited the site to review and verify the PFT and FT

- 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. The project is LEED-NC v2.2 Energy and Atmosphere category, the prerequisite for Fundamental Commissioning of the Building Energy Systems. The facility design has an 18,000 square foot, two story structure connecting the existing 12,000 square foot space in the Shuler ERC. The building is steel frame with brick veneer and EFIS with the first floor consisting of dry research labs and offices and the second floor dedicated to study areas and classrooms. The mechanical systems include three air handling units, a chiller, domestic water solar heat exchanger, and a full DDC system. The electrical system includes occupancy sensors and photosensors for staged daylighting control of the lighting systems. Responsibilities included reviewing the BOD and OPR, and preparing the Commissioning Specification and Functional and Prefunctional Checksheets. Also attended construction meetings, prepared commissioning action list, and visited the site to review and verify the PFT and FT.

Randy Pool PE, LEED® AP

Senior Mechanical Engineer

Stantec

Mr. Pool offers over 25 years of experience in mechanical engineering design, analysis and project management for the design, retrofit, replacement and expansion of systems for a variety of engineering-intensive and sustainably-focused projects. His representative projects include new resort hotels, major hospitality expansion/renovation projects, and new performing arts centers. As a frequent lecturer and author of technical publications, his focus on advancing the state-of-the-industry in engineering design has developed a particular sensitivity to critical design issues for creative, cost-effective solutions for specific applications.

Mr. Pool's recent projects have been awarded the American Council of Engineering Companies of North Carolina (ACEC) Honors Award in 2005, Grand Conceptor Award in 2006 and Grand Award in 2009, and the American Council of Engineering Companies (ACEC) Engineering Excellence National Finalist Awards in 2005, 2006, and 2009. He is a registered engineer in 14 states.

EDUCATION

Bachelor of Science, Mechanical Engineering, Georgia Institute of Technology, Atlanta, Georgia, 1983

REGISTRATIONS

Professional Engineer #41507, State of Colorado

Professional Engineer #46987, State of Arizona

Professional Engineer #085056, State of New York

Professional Engineer #6201053667, State of Michigan

Professional Engineer #11885, State of New Hampshire

Professional Engineer #901735, Washington, D.C. (District of Columbia)

Professional Engineer #28206, State of North Carolina

Professional Engineer #20069, Commonwealth of Virginia

Professional Engineer #44311, State of Florida

Professional Engineer #20275, State of Georgia

Professional Engineer #17696, State of South Carolina

Professional Engineer #33932, State of Wisconsin

Professional Engineer #20756, Commonwealth of Kentucky

Professional Engineer #28013, State of Maryland

MEMBERSHIPS

LEED® Accredited Professional, U.S. Green Building Council

Nationwide Hospitality Adaptations Working Group, U.S. Green Building Council

Young Leaders Forum, American Council of Engineering Companies (North Carolina)

Tech Council Executive Committee Member- 2008, Technology Council, Winston-Salem Chamber of Commerce

Member, Construction Advisory Committee, Surry Community College

Council Member - Charlotte NC Chapter, U.S. Green Building Council

Board Member, Piedmont Triad Biotechnology Advisory Council

Co-Chairman, North Carolina Biotechnology Center, Economic Development Committee

Member, National Council of Examiners for Engineering & Surveying

** denotes projects completed with other firms*

Randy Pool PE, LEED® AP

Senior Mechanical Engineer

Raymond F. Kravis Center for Performing Arts - West Palm Beach, FL* (Principal-in-Charge and Sr. Mechanical Engineer)
The $30MM, 130,000 SF expansion to the existing Kravis Center for the Performing Arts includes a two-level underground parking garage, community banquet halls, administration facility, pre-function halls, rehearsal facility, education facility and board rooms.

Fox Cities Performing Arts Center - Appleton, WI* (Principal-in-Charge, Mechanical Engineer)
This new 140,000 SF, $ 42.5MM center includes a main multi-purpose hall with 2,050 seats suitable for Broadway, symphony, ballet and a wide range of theatrical productions with a flexible 450-seat community theater/rehearsal space.

Four Rivers Center for the Performing Arts - Paducah, KY* (Principal-in-Charge, Mechanical Engineer)
This new $30MM, 90,000 SF center includes a main multi-purpose hall with 1,800 seats suitable for symphony, ballet, Broadway and a wide range of theatrical productions, plus a 300-seat flexible theater.

Education

Mobile K-8 Elementary School #1, Mobile, Arizona (Principal In Charge)
Stantec provided buildings engineering design services to include mechanical, electrical, plumbing and fire protection; as well as LEED energy, daylighting modeling, and commissioning for the new 50,000 SF prototypical elementary school to house 525 students. Targeting LEED® Gold.

Colorado State University - Research Innovation Center, Fort Collins, Colorado (Project Manager)
Colorado State University commissioned Stantec to create a concept design for an animal research facility that respected the local character of their Foothills Campus, maximized the challenging space program, and effectively integrated the building architecture and engineering systems. Zoonotic disease and Category A-C pathogens, as well as other infectious agents and biologicals, will be studied.
The facility will consist of 60,000 SF of laboratory research space supporting BSL-2 labs for toxicological and pathogen research for both university researchers as well as private technology-transfer tenants; an ABSL-3 MRI suite to scan live animals; BSL-2 cGMP space for a vaccine pilot plant; and animal vivarium. Safety and security were also important design considerations. The facility will be designed to be ecologically sensitive, and will incorporate a number of energy-saving systems to reduce operational costs without impacting the integrity of the critical operations.

Tuck Living & Learning Complex at Dartmouth College, Hanover, New Hampshire (Engineer of Record and Mechanical Engineer)
New $32M, 80,000 SF 4-story complex provides classrooms, study areas, catering kitchen facilities, a conference room, gathering spaces for the entire community, and residences for 85 first-year MBA students. The project will pursue LEED® Gold Accreditation from USGBC, and includes sustainable features such as 100% fresh air units coupled with valence convectors for space heating & cooling, low flow plumbing fixtures for reduced potable water consumption, and energy efficient lighting systems coupled with occupancy sensors for space airflow and lighting control.

Palm Beach Community College, Florida* (Principal-In-Charge, Project Manager)
This new $14M, 110,000 SF vocational and educational training facility focuses on trade industry, health occupations, automotive occupations, business applications and public service programs. Virtual/simulated experience classrooms and an auditorium are also part of the facility.

Towson University, Millennium Dormitory* (Principal-In-Charge, Project Manager)
$11M, 110,000 SF, five-story dormitory with a stand-alone energy plant. Student privacy, individuality and connectivity was maximized in the design-build delivery of this project. The infrastructure was designed to support a mirror-image facility adjacent to this building.

Healthcare

South Lake Hospital - Clermont, FL* (Principal-in-Charge, Mechanical Engineer)
New $21MM, 140,000 SF 68-bed facility with remote central energy plant, universal patient rooms that convert to progressive care or intensive-care units, and 4 operating rooms with vertical laminar flow for orthopedic surgery.

Shands-Jacksonville Proton Beam Facility - Jacksonville, FL* (Mechanical Engineer)
Cyclotron-based proton beam cancer therapy and research technology is advanced in this unique $24MM, 90,000 SF facility with 3 four-story high movable treatment gantries and one fixed beam treatment room, two CT Scan simulation rooms, and a 14,000 SF cancer research laboratory.

Palmetto General Hospital - Hialeah, FL* (Principal-in-Charge, Mechanical Engineer)
$12MM, 60,000 SF phased vertical and horizontal expansion to provide 26 additional ICU beds, 24 maternity beds, 30 emergency treatment bays; and expansion of surgery to provide 36 PACU beds, 10 operating rooms with 2 open-heart rooms.

** denotes projects completed with other firms*

Sanderling Inn Renovations, Duck, North Carolina (Principal in Charge)
$2 million renovation to all 88 suites in this historic oceanside inn, which included environmental considerations based on its location, and construction phasing planning as the facility was continuously occupied during the renovations.

Boar's Head Inn Conference Center, Charlottesville, Virginia (Principal, Mechanical Engineer)
$4MM, 15,000 SF new conference center with meeting space and food service areas, plus upgrades to the existing spa, for the historic Boar's Head Inn which is owned by the University of Virginia Foundation.

Breaker's Ballroom, Spa and Clubhouse - Jupiter, FL* (Principal-in-Charge, Project Manager, Mechanical Engineer)
The 30,000 SF Golf/Tennis Clubhouse compliments the old-world image of the historic 5-star Breaker's Hotel property while providing a modern sports support facility.

Marriott Vacation Club International Brand Standards Development - Bethesda, MD* (Mechanical Engineer)
Developed brand standards drawings and specifications for the mechanical, electrical, plumbing and fire protection systems for Marriott's new Horizons product line of timeshare villas, which would be developed at sites across the country. Variations in design accommodated local availability of municipal utilities and ambient weather conditions.

Bear's Country Club - Jupiter, FL* (Principal-in-Charge, Project Manager, Mechanical)
Jack Nicklaus was personally involved in developing the layout for the 32,000 SF Clubhouse, Cart Barn/Pro Shop, Halfway House, Residence Inn and other amenities on this 240-acre site for his personal use.

Hyatt Hotel, Shopping and Office Complex - Dhaka, Bangladesh* (Mechanical Engineer)
Design of new 1,500,000 SF Shopping, Office and Hotel Complex that will include 5 floors of retail space, 1 floor of convention center and a 15-floor hotel, 9-floor office building and 2 floors of underground parking.

Hilton Hotel - Amman, Jordan* (Mechanical Engineer)
The design of this $70MM, 23-story, 500-room hotel in downtown Amman reflected the Islamic culture as well as the challenging terrain, and was designed to withstand the significant seismic considerations of the area.

Regent Resort Hotel and Casino - Rio San Juan, Dominican Republic* (Principal-In-Charge, Project Manager)
The pristine northern coast of the island is the site for this spectacular 620-acre development that accommodates a $56MM, 350-room full-service, 4-star hotel and conference center, a 15,000 SF casino, a 60-slip marina, 18-hole championship golf course and clubhouse, and a retail shopping complex. Future developments include timeshare units and single-family homes with outstanding views of the golf course and ocean.

Alamance Resort Hotel and Casino - Chaguaramas, Trindad* (Project Manager)
The northwest coast of the island is the site for this $32MM, 150-room, 4-star hotel and 40,000 SF conference center, a 10,000 SF health and fitness spa, a 10,000 SF casino, and 18-hole championship golf course and clubhouse.

Rosewood Hotel & Spa at Caribe Pointe - Roatan Bay Islands, Hondoras* (Principal-in-Charge)
A new $ 20MM, 110-suite luxury hotel/conference center complex with 14,500 SF Spa and Fitness Center, tennis courts, and banquet facilities located on the Island of Roatan, 39 miles from the mainland of Honduras. The ultimate build-out will include estate homes, fractional ownership units, and an 80,000 SF duty-free retail space.

Regent Sapphire Beach Resort & Hotel - St. Lucia, West Indies* (Principal-in-Charge, Project Manager)
The first phase of this project included a $58MM, 250-key, 5-star luxury resort hotel, 12,000 SF luxury health spa, 7000 SF casino, conference/meeting space, and 18-hole signature golf clubhouse on 381 oceanfront acres on the southern point of St. Lucia. Services for a future 150-villa expansion were included on the master plan.

Themed Luxury Hotel - Orlando, FL* (Principal-in-Charge, Mechanical)
New $38MM, 310,000 SF, 4-star hotel including 35,000 SF conference center, 15,000 SF spa, fine dining and butterfly vivarium.

Shore Club Hotel Expansion - South Miami Beach, FL* (Principal-in-Charge)
This $55MM expansion included a 19-story tower with 325 rooms, fitness center/spa and fine dining establishments including Nobu with Robert DeNiro.

Inter-Continental Hotel and Marina - San Diego, CA* (Mechanical Engineer)
$88MM, 24-story tower with 630 rooms, a 120,000 SF conference center, and 240-slip marina.

** denotes projects completed with other firms*

Randy Pool PE, LEED® AP

Senior Mechanical Engineer

Claflin University Bioscience and Research Technology Center, Orangeburg, South Carolina (Principal, Mechanical Engineer)
This $26MM, 130,000 SF high-tech facility houses research and teaching laboratories for molecular, analytical and organic chemistry; biology, bioinformatics, genetics, genomics, proteomics and biotechnology. Other departments include a 3000 SF vivarium, a 300 MHz NMR, electromicroscopy and image analysis, tissue culture suite, a BSL-3 laboratory and a DNA reference laboratory, a 600-seat lecture hall and multimedia lecture rooms.

DSI Regional Reference Laboratory - Ft Myers, FL* (Principal-in-Charge, Project Manager, Mechanical Engineer)
$6MM 28,000 SF clinical/research laboratory with Microbiology, Virology, Molecular Biology, Toxicology and Isolation labs.

University of Virginia-Materials Science Engineering and Nanofabrication Research Building - Charlottesville, VA* (Principal-in-Charge, Mechanical Engineer)
$28MM 90,000 SF facility with Class 1000 clean space and electromicroscopy support for nanotechnology, nanolithography, molecular ion seam epitaxy, silicon wafer research, chemical engineering and materials science engineering

University of Miami-Clinic to Cure Paralysis - Miami, FL* (Mechanical Engineer)
$14MM 83,000 SF biomedical research facility focusing on spinal cord paralysis research and therapy.

University of Florida Genetics and Cancer Research Facility and Biotechnology Laboratory Pavilion - Gainesville, FL* (Mechanical Engineer)
$69MM, 360,000 SF wet, dry analytical and transitional laboratory facility for clinical and molecular genetics, cancer and biotechnology research includes a 40,000 SF vivarium, greenhouse and transgenic plant lab, 6000-ton energy plant with 4 MW of emergency electrical generation

Morgan State University Communication Center - Baltimore, MD* (Mechanical Engineer)
$13MM 73,000 SF facility with media center, audio/video production studios, a television broadcasting studio, two radio broadcast studios, and multimedia/electronics forensics laboratories utilizing thermal storage and low-temperature air distribution.

Florida Atlantic University Biomedical Research Facility - Boca Raton, FL* (Mechanical Engineer)
$14MM 80,000 SF biomedical research facility with 15,000 SF vivarium, design with flexible lab modules for expansion

Retail / Commercial

Polo Ralph Lauren Warehouse Expansion, High Point, North Carolina (Principal)
$10 MM, 350,000 SF materials handling and storage facility for 1,750,000 designer garments on hanger (GOH). Outside-the-box strategies were incorporated in a non-conventional project planning and delivery method, utilizing unique partnering strategies between the owner, design team, and permitting officials to meet critical deadlines. This project won a 2005 ACEC-NC Engineering Excellence Award.

Solid Waste

Rincon Solid Waste Transfer Station, Tucson, Arizona (Mechanical/Plumbing Principal Engineer)
Principal Engineer responsible for the mechanical and plumbing design for facility includes inbound and outbound electronic deck scales with a scale house, a facility operations building, and a transfer building for processing of up to 1,500 tons of municipal solid waste per day, expandable to 2,500 tons. The transfer station consisted of a 15,000 square foot, fully-enclosed metal building with a concrete tipping floor with load out openings above one tunnel bay and electronic in-ground tunnel scales. It included an innovative tipping/pushwall structure for end-dump operations that significantly reduces the potential of end-dump tip over during unloading operations. The planning for this project included allowance for future tipping floor expansion and addition of a second tunnel. This project achieved LEED Gold status.

Street Lighting

Magnolia Green Office Park, Sarasota, Florida (Project Engineer)
Responsible for photometric plans for permitting of site lighting for Phases 1, 2 and 7, as well as, designing the electrical site power required for site luminaires for each of these phases.

Warehouse / Light Industrial

Smurfit Stone Corrugator Expansion, Winston-Salem, North Carolina
Project Manager in Responsible Charge of performing interior photometrics for large manufacturing area expansion. Also designed power delivery system for new corrugator machine spanning over 400 feet.

** denotes projects completed with other firms*

Garland Steele, PE, PS, FASCE

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.

Mr. Steele organized and provided the required engineering direction and oversight of the WVDOH's first underwater inspection team. He was also the WVDOH engineer assigned to the NTSB's Analysis and Tests Group for the investigation of the Silver Bridge collapse. He provided engineering direction and oversight of the NDT examination of the St. Marys Bridge over the Ohio River which led to the dismantling and replacement of said bridge, a twin of the Silver Bridge (this was likely the first application of shop inspection techniques on an in-place Bridge). Mr. Steele served as chairman of the WVDOH Advisory Group which provided guidance during the investigation of the Silver Memorial Bridge discontinuities which requuired closing and retrofitting repairs to the structure. He provided engineering direction and oversight in the application of shop inspection techniques throughout the investigation of the Silver Memorial Bridge. Mr. Steele was the engineer-in-charge of all WVDOH bridge shop inspections for some 15 years, including the New River Gorge Bridge. He provided engineering direction and oversight of several forensic investigations including the fatigue of cables on the I-470 tied arch bridge over the Ohio River. More recently, he provided engineering direction and oversight of the NDT inspection of pin and link details on 22 bridges for the WVDOH.

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, Commonwealth of Kentucky
- Professional Engineer #25020, State of South Carolina
- Professional Engineer #0402015191, Commonwealth of Virginia

Certifications

- Concrete Technician (#136), WV
- West Virginia, 1990
- Aggregate Inspector (#5913), WVDOT, Charleston, West Virginia, 1990
- Asphalt Technician (#159), WVDOT, Charleston, West Virginia
- Licensed Class B Explosives Permit
- (#B060119285913), West Virginia, Charleston, West Virginia, 1990

PROFESSIONAL ASSOCIATIONS

- Member, American Concrete Institute
- Member, American Society for Testing & Materials
- Fellow, American Society of Civil Engineers

- 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*

Research

- Strategic Highway Research Program (SHRP)*

Other Experience

- Oil and Gas Field Exploration, Production and Storage Operations (1946 -1955)*

WVSRC

- West Virginia State Road Commission (1945 -1946)*

** denotes projects completed with other firms*

Aaron Tonkery, PE

Project Engineer

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
Member of the project team that designed roadway, stormwater management, and erosion & sediment control plans for 20+ miles of access roads to approximately 140 wind energy turbines.

Appalachian Corridor H
WVDOH – Grant / Tucker County, WV
Member of the project team that designed and produced the stormwater management and erosion & sediment control plans for this 1.60 mile section of highway.

U.S. Route 35
WVDOH – Mason County, WV
Member of the project team that designed and produced the stormwater management and erosion & sediment control plans for this 1.85 mile section of highway.

Upper Tract Bridge Replacement
WVDOH – Pendleton County, WV
Member of the project team that designed and produced the stormwater management and erosion & sediment control plans for this 0.2 mile section of roadway which included a 349-foot three-span steel girder bridge.

Mile Branch Bridge Replacement
WVDOH – McDowell County, WV
Member of the project team that designed and produced the stormwater management and erosion & sediment control plans for this bridge replacement project.

Weatherford Fracturing Facility Access Road
Upshur County – West Virginia
Member of the project team that designed and produced the stormwater management and erosion & sediment control plans for this 0.4 mile section of two lane access road.

Glady Fork Coal Company
WVDEP – Buckhannon, WV
Member of the project team that designed and produced the stormwater management and erosion & sediment control plans for this project that involved the construction of an AMD Chemical Treatment Facility. Also performed a hydrologic & hydraulic (H&H) study on Glady Fork Creek to determine the impact on base flood elevations due to the proposed construction.

Spencer Hydrologic & Hydraulic Study
WVCA – Spencer, WV
Performed H&H study for this streambank stabilization project in Roane County.

** denotes projects completed with other firms*

development site. Also performed H&H study on Anglins Run to determine impact on base flood elevations due to proposed construction.

Institute for Software Research
Central Contracting Co. – Fairmont, WV
Provided resident construction observation services on the development of this site.

Project Impact
Tucker / Randolph County – West Virginia
Was involved in the placement of USGS benchmarks that established certified flood plain elevations throughout Tucker and Randolph Counties.

West Virginia State College
WVSC – Institute, WV
Prepared an Economic Depreciation Assessment of an Anaerobic Digester Pilot Plant for the College.

NPDES Permit – Stormwater / Construction
WVDEP - State of West Virginia
Assisted in the preparation of numerous NPDES Permit Applications, including the following projects:

- Greenland Gap Wind Energy Project
  Grant County, WV
- Appalachian Corridor H
  Grant & Tucker County, WV
- U.S. Route 35
  Mason County, WV
- Upper Tract Bride Replacement
  Pendleton County, WV
- Weatherford Fracturing Facility Access Rd
  Upshur County, WV
- Glady Fork Coal Company
  Upshur County, WV
- Philippi Shop-N-Save
  Barbour County, WV
- Universal Well Services, Inc.
  Upshur County, WV
- Monogram AML Enhancement Project
  Harrison County, WV
- Mile Branch Bridge
  McDowell County, WV
- Lignetics, Inc.
  Gilmer County, WV

** denotes projects completed with other firms*

Kishore Warrier

Director of Commissioning and Compliance

Stantec

Mr. Warrier has over a decade of experience in the pharmaceutical industry 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

MEMBERSHIPS

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

Member, International Society for Pharmaceutical Engineering

PROJECT EXPERIENCE

Bio/Pharmaceutical Compliance

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)

Responsible for developing the Commissioning Plan for the project.

Managed Stantec's commissioning team for the development of non-GMP and GMP related commissioning documents and associated acceptance criteria.

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.

** denotes projects completed with other firms*

Wyeth Pharmaceuticals - Building 37, Rouses Point, New York (Commissioning/Compliance Service Manager)
Glatt SRS #3: managed commissioning team in development of commissioning documentation deliverables for project.

Wyeth Pharmaceuticals - Building 21, Rouses Point, New York (Commissioning/Compliance Service Manager)
Glatt SRS: developed commissioning documents, supervised change controls, and total preparation of project documentation (O&Ms).

Wyeth Pharmaceuticals, Providence, Rhode Island (Commissioning / Compliance Service Manager)
Assisted clients in the development of internal commissioning and compliance procedures. Managed commissioning team in development of commissioning documentation deliverables for project.
Stantec field project manager for commissioning process. Served as a technical advisor for Wyeth Engineering in relation to the project validation process.

Wyeth Pharmaceuticals - Building 480, Rapamune Manufacturing Facility, Guayama, Puerto Rico (Commissioning / Compliance Service Manager)
Managed commissioning team in development of commissioning documentation deliverables for project. Stantec field project manager for commissioning process.
Assisted client in development of internal commissioning and compliance procedures.

Wyeth Pharmaceuticals - Building (OTC), Vitamin Manufacturing Facility Expansion, Guayama, Puerto Rico (Commissioning / Compliance Services Manager)
Managed commissioning team in development of commissioning documentation deliverables for project. Stantec field project manager for commissioning process.
Assisted client in development of internal commissioning/validation and compliance procedures.

Wyeth Pharmaceuticals, Guayama, Puerto Rico (Field Project Manager)
Managed commissioning team in development of commissioning documentation deliverables for project. Stantec field project manager for commissioning process.

** denotes projects completed with other firms*

SECTION IV

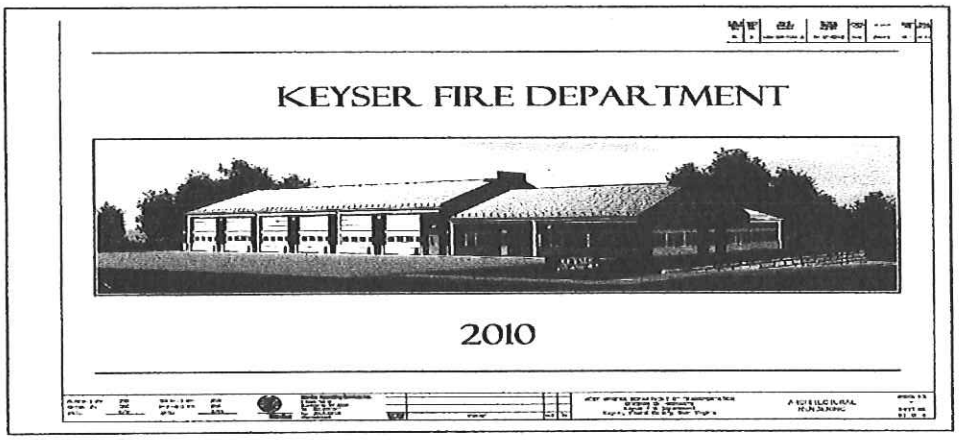
Expression of Interest

Relevant Project Briefs

Keyser McCool Fire Station Relocation

Keyser, West Virginia

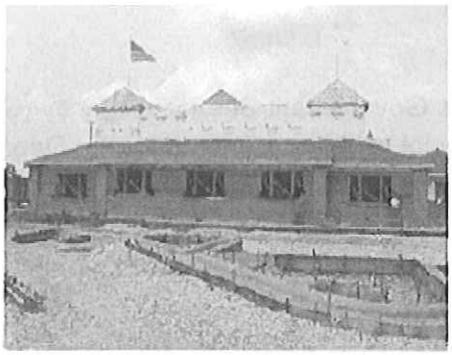
Stantec provided engineering services for the West Virginia Division of Highways including; planning, surveying, site design, permitting, and associated construction documents.



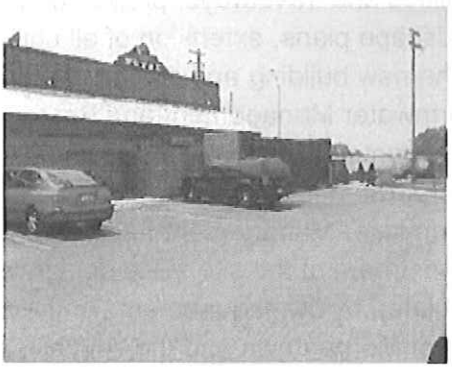
Texas Roadhouse
Parkersburg, WV

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

Stantec prepared construction drawings for site development Virginia. This site is located between Murdach Avenue and C Parkersburg. The project consisted of the redevelopment of residential property and included services from several discip



The site development included razing several existing buildin foot Texas Roadhouse restaurant. The project included 200 public right-of-way, pedestrian access and redeveloped/impr site. The site included a detailed construction plans, site asse study, storm water management, utility assessment/design a Additionally full survey services were performed that includec ALTA/ACSM survey and construction stakeout.



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

Expression of Interest

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
304-768-4978

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

SECTION VI

Expression of Interest

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, 2011 – June 30, 2012

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 OFFFICE)

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

Expression of Interest

Solicitation For Expressions of Interest & Addendum #1 (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
DEFK11031	1

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

VENDOR
RFQ COPY
TYPE NAME/ADDRESS HERE

Stantec Consulting Services Inc.
PO Box 173
Tornado, WV 25202

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
06/07/2011				

BID OPENING DATE: 07/12/2011 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, DIVISION OF ENGINEERING & FACILITIES, WV ARMY NATIONAL GUARD, IS SOLICITING EXPRESSIONS OF INTEREST FOR PROFESSIONAL ARCHITECTURAL ENGINEERING DESIGN SERVICES FOR THE STATE EMERGENCY CRISIS OPERATIONS CENTER IN CHARLESTON, WV, PER THE FOLLOWING BID REQUIREMENTS AND THE ATTACHED SPECIFICATIONS.

MANDATORY PRE-BID

A MANDATORY PRE-BID WILL BE HELD ON 06/22/2011 AT 10:00 AM AT THE NUEMEDIA BUILDING LOCATED AT LOCATION #1, FACILITY BUILD-OUT, PARCEL B, LOT 10 NORTHGATE BUSINESS PARK, CHARLESTON, WV. ALL INTERESTED PARTIES ARE REQUIRED TO ATTEND THIS MEETING. FAILURE TO ATTEND THE MANDATORY PRE-BID SHALL RESULT IN DISQUALIFICATION OF THE BID. NO ONE PERSON MAY REPRESENT MORE THAN ONE BIDDER.

AN ATTENDANCE SHEET WILL BE MADE AVAILABLE FOR ALL POTENTIAL BIDDERS TO COMPLETE. THIS WILL SERVE AS THE OFFICIAL DOCUMENT VERIFYING ATTENDANCE AT THE MANDATORY PRE-BID. FAILURE TO PROVIDE YOUR COMPANY AND REPRESENTATIVE NAME ON THE ATTENDANCE SHEET WILL RESULT IN DISQUALIFICATION OF THE BID. THE STATE WILL NOT

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE Barbara N. Steele TELEPHONE 304-206-4336 DATE 7-20-11

TITLE Project Manager 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
DEFK11031	2

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

VENDOR
RFQ COPY
TYPE NAME/ADDRESS HERE

Stantec Consulting Services Inc.
PO Box 173
Tornado, WV 25202

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DIV ENGINEERING & FACILITIES
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DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
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BID OPENING DATE: 07/12/2011 BID OPENING TIME 01:30PM

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

ACCEPT ANY OTHER DOCUMENTATION TO VERIFY ATTENDANCE. THE BIDDER IS RESPONSIBLE FOR ENSURING THEY HAVE COMPLETED THE INFORMATION REQUIRED ON THE ATTENDANCE SHEET. THE PURCHASING DIVISION AND THE STATE AGENCY WILL NOT ASSUME ANY RESPONSIBILITY FOR A BIDDER-S FAILURE TO COMPLETE THE PRE-BID ATTENDANCE SHEET. IN ADDITION, WE REQUEST THAT ALL POTENTIAL BIDDERS INCLUDE THEIR E-MAIL ADDRESS AND FAX NUMBER.

ALL POTENTIAL BIDDERS ARE REQUESTED TO ARRIVE PRIOR TO THE STARTING TIME FOR THE PRE-BID. BIDDERS WHO ARRIVE LATE, BUT PRIOR TO THE DISMISSAL OF THE TECHNICAL PORTION OF THE PRE-BID WILL BE PERMITTED TO SIGN IN. BIDDERS WHO ARRIVE AFTER CONCLUSION OF THE TECHNICAL PORTION OF THE PRE-BID, BUT DURING ANY SUBSEQUENT PART OF THE PRE-BID WILL NOT BE PERMITTED TO SIGN THE ATTENDANCE SHEET.

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.

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.

TECHNICAL QUESTIONS CONCERNING THIS SOLICIIATION 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.

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE	TELEPHONE	DATE
Garland W. Stutler	304-206-4336	7-20-11

TITLE Project Manager 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
DEFK11031	4

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

VENDOR
RFQ COPY
TYPE NAME/ADDRESS HERE

Stantec Consulting Services Inc.
PO Box 173
Tornado, WV 25202

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DIV ENGINEERING & FACILITIES
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LINE	QUANTITY	UOP	CAT. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT

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

CONTACT PERSON (PLEASE PRINT CLEARLY):

****** THIS IS THE END OF RFQ DEFK11031 ****** TOTAL:

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE Garland W. Stotts TELEPHONE 304-206-4336 DATE 7-20-11

TITLE Project Manager FEIN 11-2169170 ADDRESS CHANGES TO BE NOTED ABOVE

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

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 #:	DEFK11031
Opening Date:	07/12/2011
Opening Time:	1:30 PM

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	June 10, 2011
Firm's Written Questions Submission Deadline	June 28, 2011
Addendum	TBD
EOI Submission date	July 12, 20111

1.17 **Mandatory Pre-bid Conference:** There will be a mandatory pre-bid meeting held on June 22, 2011 at 10:00 a.m. in the NEUMEDIA Building - Location #1, Facility Build-Out, Parcel B, Lot 10 - Northgate Business Park - Zoning C-10 -Kanawha County, West Virginia.

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:**

2.1.1 Agency is located at:

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

2.1.2 Project proposal are located at:

1. Location #1, Facility Build-Out, NEUMEDIA Building
   Parcel B, Lot 10
   Northgate Business Park
   Zoning C-10
   Kanawha County, West Virginia

b. Advantages and disadvantages of the proposed systems; potential or speculative advantages as well as disadvantages described to determine what realistic choices will arise once the project goes to construction. An estimated facility operations cost will need provided along with indirect cost associated with construction and operations cost for each proposal.

c. Space requirements; Space requirements / comparisons for occupants and their operation specific needs at proposed locations.

d. Basic layout; Agency floor space, offices, facility and agency specific equipment and requirements for new construction and to building out based on information provided by users and confirmed by CFMO.

e. Equipment needs and cost; will include facility system needs such as fire alarm, HVAC, sprinkler, etc., included in research will be equipment and systems needed / utilized by agencies occupying the facility to perform intended function and also incorporating needed utility and communication support services.

f. Comparison of current and proposed systems; a discussion of building and equipment cost needed in the next ten years. This will also include potential future expansion for location described in Section 2.1.2.

g. Project schedule; that includes realistic dates for each phase as it relates to the actual design and construction of proposed projects.

h. Final Recommendation; based on research conducted including the rationale for the recommendation and financial evidence that supports the recommendation. These detailed descriptions include should be comprehensive and include items such as; building schematics including floor plans, furniture, budgets for equipment, energy efficiency plans, and a narrative description of each space, and any other pertinent information. Selection by the WVARNG, Adjutant General and confirmed by the WVARNG, FMO of new construction and its location verses build-out of the NEUMEDIA building will end phase I and allow phase II commencement.

1.2.2 **Phase II, Design Charette:** Before the actual conduct of the charette, the State will conduct a scoping meeting with the selected A/E firm to

e. Identify potential opportunities, challenges and issues surrounding AT/FP, and sustainable design (i.e., achieving a LEED rating of Silver), provide an order of magnitude analysis of the impact of these items on project costs, and initiate the LEED checklist.

f. Prepare a summary of the A-E assumptions used to cost each of the components of the project.

g. Produce a rudimentary concept design (e.g., hand-sketched single line drawings), to include bubble diagrams that show the relationship of all functional areas and planning analysis drawings that show site conditions and restrictions and provide options on locating facilities and utilizing the project site.

h. Produce a document that all stakeholders must sign approving the project description and scope.

Phase II will end once Design / Programming Charette has been completed to the satisfactory approval of the FMO and all agreed upon deliverables submitted to the same. Selection by the WVARNG, Once Phase II ends Phase III will be approved to proceed.

3.2.3 **Phase III, Design and Engineering Services:** Provide a complete design and over sight package that includes all required drawings and specifications ready for construction bidding by the West Virginia State Purchasing Division. Design and Engineering will encompass the facility site and outside supporting facilities including 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.

Phase III will end once the A&E contract for Design, Engineering, administrative and contract over sight services has been completed through West Virginia State Purchasing.

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.

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

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.

RFQNO.DEFK11031

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 Wood, 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: Roger J. Morgan Date: July 14, 2011

State of Ohio

County of Franklin, to-wit:

Taken, subscribed, and sworn to before me this 14 day of July, 2011.

My Commission expires December 8, 2013

AFFIX NOTARIAL SEAL HERE

MELISSA A. CAMMARATA
Notary Public, State of Ohio
My Commission Expires 12-08-13

NOTARY PUBLIC Melissa A. Cammarata

Purchasing Affidavit (Revised 12/16/09)

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
DEFK11031	1

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

RFQ COPY

VENDOR
Stantec Consulting Services Inc.
PO Box 173
Tornado, WV 25202

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
07/06/2011				

BID OPENING DATE: 07/21/2011 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 07/12/2011 TO 07/21/2011.
3. PRE-BID SIGN-IN SHEETS ATTACHED.
4. 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.

0001	1	JB		906-00-00-001		

ARCHITECT/ENGINEERING SERVICES, PROFESSIONAL

****** THIS IS THE END OF RFQ DEFK11031 ****** TOTAL:

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE Garland W. Stubbs TELEPHONE 304-206-4336 DATE 7-20-11

TITLE Project Manager FEIN 11-2167170 ADDRESS CHANGES TO BE NOTED ABOVE

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

DEFK11031
ADDENDUM NO. 1

Q1: What is the connections between RFQ DEFK11028 & RFQ DEFK11031?

A1: DEFK11028 is an EOI for new construction design services and DEFK11031 is an EOI for a multi-phase project that begins with a feasibility study for a decision and follows on design services based on that decision made by the WVARNG.

Q2: Does 11031 supersede 11028?

A2: Yes.

Q3: For the Nuemedia Building, are there complete construction documents for the building as-builts/existing conditions information (especially architectural, site/civil, and structural)? Is this information available in AutoCAD format?

A3: There is no information available at this time.

Q4: Is copy of sign-in sheet for mandatory pre-bid meeting to be provided to all attendees?

A4: The sign-in sheets are attached.

Q5: Can details of Locations #1 and #2 at the Coonskin Complex be given?

A5: Two proposed location sites were announced during the site visit to all attendees. First was the NEUMEDIA Building and the other site was located on the same side of the road as the Air Guard on Coonskin Road, just before the fencing (Community/public housing side of the Air Guard fencing). During the feasibility phase of the contract, additional details will be provided, no other information is needed for this EOI stage in the process.

The bid opening has been moved from 07/12/2011 to 07/21/2011.

SIGN IN SHEET

Request for Proposal No. DEFK 11031 **PLEASE PRINT**

Date: 6/22/2011

*** PLEASE BE SURE TO PRINT LEGIBLY - IF POSSIBLE, LEAVE A BUSINESS CARD**

FIRM & REPRESENTATIVE NAME	MAILING ADDRESS	TELEPHONE & FAX NUMBERS
Company: PARADIGM ARCHITECTURE Rep: PAT HART Email Address: SSnider@paradigm-arch.com	2223 CHEAT RD SUITE 300 MORGANTOWN 26508	PHONE 304 284-5015 x4 TOLL FREE FAX 304 284-5014
Company: SWANKE HAYDEN CONNELL LTD. Rep: JOE ALIOTTA Email Address: ALIOTTA.JE@SHCA.COM		PHONE 212-219-6789 TOLL FREE 212-219-6789 FAX 212-219-0488
Company: Gannett Fleming Rep: Brad Diffenbaugh Email Address: bdiffenbaugh@gfnet.com	P.O. Box 67100 Harrisburg, PA 17106	PHONE 717-763-7211 TOLL FREE FAX 717 763 8150
Company: UMS Rep: N. Wood Email Address: Nwood@UKYDC.com		PHONE 304-346-2900 TOLL FREE FAX
Company: NorthGate Rep: K.O. DAMRON Email Address: KODAMRON@AOL.COM		PHONE 304 389-1455 1455 TOLL FREE FAX 346-3798

Rick Neu
rneu@gfnet.com (Second person)

SIGN IN SHEET

Request for Proposal No. DEFK 11031 **PLEASE PRINT**

Date: 6/22/2011

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FIRM & REPRESENTATIVE NAME	MAILING ADDRESS	TELEPHONE & FAX NUMBERS
Company: L.R. Kimball Rep: Rob Sterner Email Address: rob.sterner@lrkimball.com	4400 Deer Path Rd. Harrisburg, PA 17110	PHONE 717 324-7732 TOLL FREE FAX
Company: Jacobs/Wyper Arch's Rep: Tim Lisle, AIA Email Address: TWL@JacobsWyper.com	1232 Chancellor St. Philadelphia, PA 19107	PHONE 215-985-0400 TOLL FREE FAX
Company: Stantec Consulting Services Inc Rep: Garland Steele Email Address: garland.steele@stantec.com	Box 173 Tornado, WV 25202	PHONE 304-727-8719 TOLL FREE FAX 304-472-6239
Company: West Virginia Heal. & Plans Rep: Michael Ball Email Address: michaelballwvhp@yahoo.com	P.O. Box 1507 Charleston WV 25325	PHONE 304 342-3197 TOLL FREE FAX 304 342-3184
Company: Capitol Engineering, Inc Rep: Jeremy Sayre Email Address: JSayre@capitolengineering.com	1206 Kanawha Blvd. E, Suite 201 Charleston, WV 25301	PHONE 304-344-0720 TOLL FREE FAX 304-344-0820

SIGN IN SHEET

Request for Proposal No. DEFK 11031

PLEASE PRINT

Date: 6/22/2011

* PLEASE BE SURE TO PRINT LEGIBLY - IF POSSIBLE, LEAVE A BUSINESS CARD

FIRM & REPRESENTATIVE NAME	MAILING ADDRESS	TELEPHONE & FAX NUMBERS
Company: Greenman Pedersen	11720 Beltsville Dr, #1000	PHONE 301 586 1800
Rep: Ken Jones	Calverton, MD 20705	TOLL FREE —
Email Address: kjones@[illegible].com		FAX 301 595 8889
Company: Alpha Associates	209 Prairie Ave	PHONE 304-296-8216
Rep: Bobbie Hawkins	Morgantown, WV 26501	TOLL FREE
Email Address: bhawkins@alphaaec.com		FAX 304-296-8216
Company: FOX ENGINEERING, PLLC	101 NORTH COURT ST.	PHONE (304) 372-3705
Rep: DANIEL A. METHENY	RIPLEY, WV 25271	TOLL FREE
Email Address: dmetheny@foxengineering.net		FAX (304) 372-4100
Company:		PHONE
Rep:		TOLL FREE
Email Address:		FAX
Company:		PHONE
Rep:		TOLL FREE
Email Address:		FAX