

STATEMENT OF QUALIFICATIONS

Supervision, Inspection, and Overhead Services For An Access Control Point At The Camp Dawson National Guard Training Site, Kingwood, WV

04/09/13 10:21:25 AM
West Virginia Purchasing Division

April 9, 2013

Submitted by:
Stantec Consulting Services Inc.



Stantec



Stantec Consulting Services Inc.
111 Elkins Street
Fairmont, WV 26554
Tel: (304) 367-9401
Fax: (304) 367-9403

Stantec

April 9, 2013

West Virginia Department of Administration, Purchasing Division
Engineering & Facilities Division
2019 Washington Street, East
PO Box 50130
Charleston, West Virginia 25305-0130
Attention: Ms. Tara Lyle, Buyer

Reference: Expression of Interest for the SIOH Services

Dear Ms. Tara Lyle,

Stantec is pleased to respond to the Expression of Interest request for SIOH services for the Camp Dawson National Guard Training Site. Prepared in our expression of interest, you will find an abundance of information that describes in detail our qualifications and experience. The information includes a statement of our qualifications, personnel summaries and project experience to reflect the broader scope of services identified in your EOI.

Successfully completing this project requires working with a project team that 1) has extensive relevant experience, 2) has capacity to deliver the work in a timely manner, 3) offers a comprehensive team of proven design professionals, and 4) is dedicated to the success of the project. The Stantec team can provide all four.

We are very excited about the opportunity to continue our working relationship with the West Virginia Department of Administration- Engineering & Facilities Division and look forward to providing supervision, inspection, and overhead services on this most important project. We believe no other company can meet our quality of work, which, when coupled with our experience, allows us to be more efficient and therefore very cost competitive.

Should any questions arise, or if we can supply additional information or be of further service to you, the Purchasing Division, or the Engineering & Facilities Division, please contact me anytime at (304) 367-9401.

Respectfully Submitted,

STANTEC CONSULTING SERVICES INC.

Gary J. Fazalare
Principal-In-Charge
Tel: (304) 367-9401
Gary.Fazalare@stantec.com

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STANTEC 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 12,000 employees operating out of more than 200 locations in North America. **Stantec** trades on the TSX and on the NYSE under the symbol STN. The list on the right identifies the practice areas provided by the firm.

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

Our West Virginia offices (Charleston, Buckhannon, and Fairmont) are staffed with a diverse group of experienced engineers, surveyors and inspectors.

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

STANTEC OVERVIEW

Construction Services

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

We are accredited by the American Association of State Highway and Transportation Officials (AASHTO) and assessed by the Cement and Concrete Reference Laboratory (CCRL) and continue to participate in proficiency sample testing and accreditation programs. Stantec laboratories adhere to ASTM E329, ASTM C1077, and ASTM D3666 for tests of concrete, steel, and bituminous materials; ASTM D3740 and ASTM E543 for testing and inspection of soils and rock, as well as non-destructive testing; and ASTM E548 for all work not in connection with concrete, steel, bituminous materials, or non-destructive tests.

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

Stantec's team of Certified Special Inspectors cover all types of Building Code Special Inspections. In addition to the standard inspections required by the local building department, most structures are required to have the owner employ one or more special inspectors to provide observation and testing of structural items during construction. These items include: reinforced concrete; bolts in concrete; moment-resisting concrete frame; reinforcing steel; prestressing steel tendons; welding; high-strength bolting; structural masonry; reinforced gypsum concrete; insulating concrete fill; spray-applied fireproofing; piling, drilled piers, and caissons; shotcrete; special grading and structural fill; and building systems such as plumbing, electrical, HVAC, and fire protection. Our extensive, diversified staff allows us to provide the appropriate personnel at the required proficiency to satisfy the demands of the project.

PROJECT UNDERSTANDING & APPROACH

Stantec understands the project goals and objectives for the Camp Dawson National Guard Training Site project. Stantec understands that if hired we will be providing Supervision, Inspection, and Overhead Services for this project. Responsibilities for such work are listed below:

- Stantec will observe the quality of the work to ensure in general that work is proceeding in accordance with the contract documents. Stantec will notify the Owner and Designer of Record immediately if work doesn't conform to the contract documents or requires special investigation by the Owner, Designer of Record, or Contractor.
- Stantec will notify the Designer of Record and Owner immediately if we observe what we believe to be non-conforming work. Stantec will document and report findings to the Designer of Record and Owner for action (photographs and video recording shall be used where applicable.) Stantec will summarize in daily and monthly reports our observations, including dates and status.
- Stantec will be responsible for the tracking and reporting of the status of Non-Compliance Notices once the Designer of Record or the Owner has issued one. Stantec will also develop a Non-Compliance Notice log tracking system and will provide as an attachment to the End of the Month Report.
- Stantec shall conduct a weekly review with the Contractor/Builder's superintendent to have a complete understanding of the scope of work.
- Stantec will attend project meetings or other coordination meetings as directed by the Owner.
- Stantec will, as directed, coordinate and document Owner's independent testing and observe and report testing results as performed by the Contractor/Builder.
- Stantec will maintain records at the construction site in accordance with procedures as established by the Owner. Typical records include correspondence, contract documents, change orders, request for cost proposals, Architect's/Engineers supplemental instruction, reports of site conferences, shop drawings, product data, samples, supplementary drawings, color schedules, request for payments, names and addresses of contractors, subcontractors, subcontractors, and principal material suppliers.

PROJECT UNDERSTANDING & APPROACH

- Stantec will keep a log book containing project progress. The log will contain activities related to the project, weather conditions, nature and location of work being performed, inspections/testings, and problems encountered. The log book will also include, if unit price contract, quantities of work completed and accepted during review period.
- Stantec will provide assistance to the Designer of Record or designated party to review shop drawings, product data, and samples when requested by Owner.
- Stantec will observe the Contractor's record drawings for completeness and accuracy on a monthly basis. Stantec will notify the Owner, Designer of Record, and/or other designated party of the Contractor's failure to maintain proper records.
- Stantec will assist the Owner or Designer of Record or designated party in the review and approval of the Contractor's request for payments. Stantec will be responsible for the daily tracking and reporting of work completed and will be the basis for authorization of payment for work completed. Stantec shall submit a written certification regarding acceptability for each Application for Payment as submitted by the Contractor/Builder.
- When requested by the Owner, Stantec will provide detailed cost estimates for Contractor's change order requests, value engineering proposals, claims, and other cost issues. Stantec will submit recommendations to the Owner and prepare background information for change orders and construction change directives to be submitted to the Designer of Record for processing.
- Stantec will maintain records on authorized work performed under unit costs and any additional work performed on the basis of actual costs of labor and materials, commonly referred to as "Time and Material Work".
- Stantec will observe the process of construction to determine if the Contractor is maintaining process IAW the CPM schedule as developed.
- Stantec will review the proposed change orders and/or claims that may affect schedule or request additional time to complete the associated changes. Stantec will review the construction schedule and report on the impact of such changes or claims.

PROJECT UNDERSTANDING & APPROACH

- Stantec will review the monthly construction schedule and provide recommendation regarding adherence to the schedule by the Contractor.
- Stantec will assist the Owner, Designer of Record, and/or designated party in the review and acceptance of work completed to determine the status for Certificate of Substantial Completion of the project or portions thereof. When applicable, Stantec will assist in the review of list of items to be completed or corrected which is submitted by the Contractor with a request for an issuance of a Certificate of Substantial Completion of the project or portions thereof.
- Stantec will assist the Owner, Designer of Record and/or designated party in the final inspection(s) as requested by the Contractor and Owner.

SIMILAR EXPERIENCE

Monongahela Conservation District- Stream Bank Stabilization in Camp Dawson Area Monongalia, West Virginia

As part of a general service agreement with the Monongahela Conservation District, Stantec designed stream bank stabilization along the Cheat River in the Camp Dawson area. Included in the design was field surveying, revetment design, hydrologic and hydraulic computations and development of specification . Two options were developed to the stream bank stabilization these are the use of classic Rip-Rap material and the second option is using concrete blanket mats. In addition to the Stream Bank Stabilization project Stantec has been asked to assist in future projects which include the design of corrective actions for multiple hillside slip areas, drainage improvements and a lake restoration project.

2009-2010 WVDOH Statewide Construction Inspection Contract Various Locations, West Virginia

APPALACHIAN CORRIDOR H WV 93 – DISTRICT 5

Stantec performed survey and construction inspection services on both the grade and drain project and two bridges on a section of Corridor H. The inspectors were responsible for operations and documentation of all items for these projects.

The Grade and Drain Project was 1.37 miles long with Route 93 splitting the project. This job started as a large uneven wooded area and is now a four lane dirt grade with all drainage installed and with a Right of Way Fence. This job had 2,995,846 Cubic Yards of material to be cut and filled. Approximately 2 million yards of material was on the east side of Rt. 93 and approximately 1 million on the west side of Rt. 93. Along with cutting and placing fill, the contractor cut fill benches and filled/placed SE material on them. There is also a large amount of pipe that has been laid since three quarters of this project's final grade is at 6% with a truck escape ramp. Erosion and Sediment control was also a major issue that needed attention every day. The bridges are a total length of .26 miles. The first bridge has a total length of 792 L.F. which spans over route 93. The second bridge spans over country route 1 and has a total length of 579 L.F.



VIRGINIA STATE LINE- INWOOD ROAD/I-81 PAVING – DISTRICT 5



Stantec provided construction inspection services to all phases of the project included but not limited to attending the preconstruction meeting with the contractor, reviewing the plans for errors and/or omissions prior to construction, field measuring, calculating and documenting all work performed so as to assure that all work was done in accordance with the applicable plans and specifications and completed items were reported for prompt payment to the contractor.

The existing roadway consisted of two 12' lanes northbound and southbound with a variable width median. The riding surface was Portland cement concrete overlaid with hot mix asphalt. The project entailed erecting permanent and temporary traffic control so as to close one lane while maintaining traffic in the abutting lane. After removing 1-1/2 inches of the existing asphalt by rotomilling, numerous full depth concrete repairs were made where the existing Portland cement was exhibiting distress. This involved full depth saw cutting to the existing pavement at the limits of the removal, removing the existing Portland cement, installing dowel bars and hook bolts where new concrete tied to the

SIMILAR EXPERIENCE

old and load transfer joints as required, then placing high early strength concrete and temporary striping so as to reopen the roadway for morning traffic. The work was completed by resurfacing the roadway with superpave hot mix asphalt and installing permanent pavement markings. The bid construction cost was \$1.5M.

WHEATLAND AVENUE INTERSECTION – DISTRICT 5

The project is at the intersection of U.S. Route 11 and Wheatland Avenue. The project consisted of inspection of water and sewer line locations, tie-ins, drainage with drop inlets, curb and gutter replacement, and resurfacing. It also included the stripping of U.S. Route 11 for the addition of a center lane of approximately 1 mile in length. Placement, documentation, and inspection of Junction Boxes and PAJ System were included in this contract. Stantec's inspector was responsible to make sure that all material used for the finished product meets specifications, assure that all quality control testing was done properly and that all paperwork associated with the aforementioned was correct and in proper form.

2007-2008 WVDOH Statewide Construction Inspection Contract Various Locations, West Virginia

JENNINGS RANDOLPH BRIDGE RT. 30 OVER OHIO RIVER - DISTRICT SIX

The project consisted of the removal of 3 inches of existing concrete deck surface and replacement with a specialized concrete overlay; either latex modified concrete or micro silica concrete. The contractor chose to use micro silica for this project. Stantec's responsibilities included the inspection of all aspects of the project to ascertain that all work was performed in accordance with the WVDOH standard specifications, supplemental specifications and project plans. Inspection duties included traffic control setup on a four lane highway; rotomilling and hydro demolition of existing deck surface; water blast cleaning of the deck after hydro demolition; placement of the micro silica overlay; grooving the new deck surface using a gang saw machine and permanent roadway striping.



MATERIAL INSPECTION FOR VARIOUS PROJECTS - DISTRICT FIVE



The project was on US Rt. 50 between Skyline and Abrams Creek. The project consisted of widening and resurfacing of Rt. 50 for approximately 4 miles. The job was done by Southern West Virginia Asphalt from their Scheer, West Virginia plant. Stantec's inspector was responsible to make sure that all material used for the finished product met specifications, assure that all quality control testing is being done properly and that all paperwork associated with the aforementioned was correct and in proper form. He also took acceptance samples for the DOH and observed the contractor and technicians to make sure that all quality control requirements were met.

SIMILAR EXPERIENCE

Construction Inspection Services for Various Projects Within Districts 1-10

Various Locations, West Virginia

CONSTRUCTION AND INSPECTION SERVICES FOR APPALACHIAN CORRIDOR H

Stantec performed construction inspection services on this project as a **sub-consultant**. The project consisted of grading, drainage, superpave hot mix asphalt and guardrail and construction of two bridges over the South Branch Valley Railroad and Dumpling Run. The project is a 4 lane construction and included a portion of the Moorefield Bypass and the tie in to US 220. This project also included the widening to three lanes of US 220. Stantec inspection staff ensured quality and conformance to plans and specifications on all portions of the project including the predrilled caissons, MSE walls, concrete piers and abutments as well as the decks and LMC overlays, striping and signage.



CONSTRUCTION AND INSPECTION SERVICES - SOUTH MARTINSBURG INTERCHANGE



This project consisted of grading, drainage, superpave hot mix asphalt paving, signing, Pavement markings, traffic signals, roadway lighting, phased demolition of existing bridges, and new construction of twin reinforced concrete bridges over WV Rt. 45. The project utilized phased construction widen 0.7 miles of US I-81 from 4 to 6 lanes while maintaining uninterrupted flow of traffic through the work area. Also included is the widening of WV Rt. 45 from 3 to 4 lanes. The structure work utilizes a reinforced concrete deck slab with latex modified overlay, steel girders, and reinforced concrete abutments. The major items associated with the structures were predrilled steel bearing piles, reinforced concrete abutments, deck slab and mechanically stabilized earth (MSE) retaining walls. The

project utilizes steel piles, lagging and tie-backs to maintain the integrity of the existing US I-81 embankments while excavating 25 feet vertically immediately adjacent to the traveled way of US I-81. The project construction cost was over \$7,100,000.

I-81 IMPROVEMENTS PROJECT

Stantec provided inspection services on six projects on Interstate 81 in the area of Martinsburg, in Berkeley County, West Virginia. These projects included construction of three bridges, demolition of three bridges, refurbishing one bridge, widening route 45 to three lanes, widening I-81 to six lanes and installing cable guardrail, paving with superpave, striping and signing. These projects are more particularly described as follows:

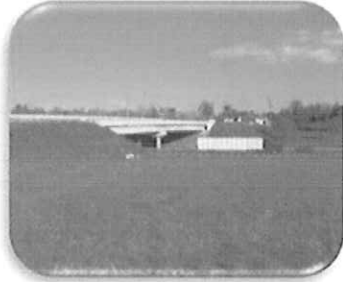
I-81 LANE WIDENING (3.7 MILES)

This project consisted of constructing an additional lane in both south bound and north bound directions as well as new approach and exit ramps. A new eight lane bridge was built over Tuscarora Creek and the existing structure was demolished. Stantec inspectors ensured and documented quality and quantities on all aspects of the project including grading to the median side for the additional lane, drainage, pavement removal, superpave hot mix asphalt, pavement markings, signing, pile driving, MSE wall installation, concrete abutments and deck and LMC overlays. Our inspectors also assisted in materials testing, materials certification and checking final pay quantities to the contractor.



SIMILAR EXPERIENCE

KING STREET INTERCHANGE – EXIT 13



This project consisted of constructing a new five lane structure for King Street over I-81, widening King Street and installing traffic signals. Stantec provided all inspection staff for the construction of the bridge including concrete pier and abutment installation, precast concrete beams, deck and LMC overlay, existing bridge demolition, grading, paving, traffic markings, signing, curb and gutters and traffic signals of King Street. Our inspection included materials testing and certification and determination of final pay quantities.

DRY RUN INTERCHANGE – EXIT 14

This project consisted of construction of a new interchange on I-81 to serve the Martinsburg Hospital and traffic on Dry Run Road. Stantec inspection staff assured compliance with plans and specifications on all phases of the project including utility relocation, building demolition, clearing and grubbing, predrilled concrete caissons, concrete pier and abutment construction, deck and LMC placement, grading and drainage of approach and exit ramps, widening of Dry Run Road, paving, pavement marking and signage. Stantec inspectors also performed materials testing and calculations of final pay quantities.



Veterans Memorial Drive Access Road Boulder City, Nevada



The purpose for this roadway project was to provide highway access to the new Veterans Home in Boulder City, Nevada. Stantec designed approximately one mile of 4-lane roadway with median islands connecting Industrial Road at Yucca to US-93. In addition to design of the roadway, our team provided design of a bridge for the new roadway to pass under the existing railroad. Additional project tasks included installation of storm drains

and sewers capable of accommodating the previous installation of 16-in and 30-in water lines, power and telephone lines, geometric roadway design alternatives, roadway plan and profile drawings, grading, drainage, coordination of designs, traffic signal, and bridge design.

Boehringer Ingelheim North/South Access Roadway Danbury and Ridgefield, Connecticut

Stantec was responsible for the reconstruction of the main entrance roadway at Boehringer Ingelheim's 200-acre office park located in Danbury and Ridgefield, Connecticut. The existing roadway was reconstructed to improve drainage and increase pavement life. In order to incorporate Best Management Practices into the drainage design, catch basins were avoided and replaced with a series of paved "leak-offs" into grass swales that run parallel to the road.

SIMILAR EXPERIENCE

Sodus Central School District Roadway Access Evaluation

Sodus, New York

Stantec completed an evaluation of the roadways leading to the Sodus project site. Stantec reviewed transportation options for the delivery of large wind turbine components to a potential wind turbine site. Three optional routes were reviewed with regard to obstructions, ditches and roadway width. Site visits were made to the intersections to look for obstructions and ditch / roadway issues.



I-295/ Meadowville Interchange

Chesterfield, Virginia

This design-build project is located in Chesterfield County, Virginia, and includes the first phase of construction for a new interchange on Interstate 295 (I-295) at VA 618 (Meadowville Road) and will provide access to the Meadowville Technology Park. The project includes construction of the outer ramps of the interchange as well as auxiliary lanes along northbound and southbound I-295 between the new interchange and the interchange located at VA 10.

Additionally, existing Meadowville Road will be upgraded to include additional lanes and intersection movements, new overhead signage will be installed along I-295, and new storm water management facilities are to be constructed. This project is Phase I of an ultimate full-CD cloverleaf interchange that will also include collector-distributor (CD) lanes. Construction of the proposed interchange loop ramps, CD lanes and new bridge structures over I-295 are not included within this scope of this Project. The total length for Phase I is approximately 2.4 km.

Stantec is providing supplemental utility mapping and location and utility relocation coordination services. Utility conflicts will be identified with utility designating and test holes. Stantec will determine the cost sharing responsibilities for the utility relocations, provide design coordination for the utilities relocation plans, review the relocation plans for conformance with VDOT's utility relocation manual and review progress and final billing from the utilities. Utilities on the project include a 24-inch waterline, overhead and underground electric distribution lines, and underground fiber optic telecommunication lines.

Department of Homeland Security HQ Consolidation

St. Elizabeths, Washington DC

Stantec is an integral part of this high profile project to consolidate many agencies of the US Department of Homeland Security. Stantec, under multiple contract vehicles is providing design services for the construction of the new Department of Homeland Security Headquarters on the former 176-acre mental institution property. Stantec has performed civil site design environmental and archeological studies, is the surveyor of record for the consolidated site and has been involved with transportation analysis to support the increase of 14,400 people working at the new consolidated Department of Homeland Security Headquarters, which is the biggest federal construction project since the Pentagon was built 68 years ago.

As part of the campus consolidation, Stantec provided civil engineering services for design of the major intersection of the St. Elizabeths Access Road with existing Firth Sterling Avenue, including design of modifications to Firth Sterling Avenue and other local roadways in the area. Stantec is performing design of roadway geometry, erosion and sediment control, stormwater management, storm drains, relocation of existing utilities, signage and pavement markings for traffic control, and Maintenance of Traffic Plans for controlling existing traffic during the construction phase. The design was reviewed by NCPC, CFA and other members of the Consulting Parties. Final approval was obtained from DDOT, DDOE, DC Water and other City agencies.

SIMILAR EXPERIENCE

Clarkson University- Technology Advancement Center Potsdam, New York

Stantec served as the Commissioning Agent, to support the commissioning (Cx) component of the project, LEED-NC v2.2 Energy and Atmosphere category, the prerequisite for Fundamental Commissioning of the Building Energy Systems, for the construction of an 18,000 square foot addition to connect the Science Center to the Shuler ERC on the Clarkson University campus in Potsdam, NY.



The first floor of the building has dry research labs and offices. There is also an in-fill on the first floor at the connection to the Science Center. The second floor has dedicated study areas and classrooms. The building is a steel frame with brick veneer and EFIS. The mechanical systems include the following: three air handling units, an absorption chiller, solar hot water heater to supplement the domestic hot water heater, and a full DDC system. The electrical systems include the use of occupancy sensors and photosensors for staged daylighting control of the lighting systems. Services included the review of the BOD and OPR, development of a Commissioning Master Plan and a technical Commissioning specification section for the construction documents. Additionally Stantec has produced Functional Performance Tests (FPT) sheets and Prefunctional Check Lists (PFC) for use by the contractors. Services during the construction included meetings attendance, tracking and resolution of system deficiencies through the use of a commissioning issue log, site visits to review and verify the completion of the PFC, performing the FPT, completion of the Cx report, and completion of the LEED template.

State University of New York at Buffalo- South Ellicott Student Housing Project Phase VI Buffalo, New York

Stantec is serving as the Commissioning Agent to support the commissioning (Cx) components of the project. Stantec will provide services in support of the LEED-NC v2.2 Energy and Atmosphere prerequisite for Fundamental Commissioning and the Enhanced Commissioning credit for the construction of a new 178,000 square foot mix-use dormitory building located on the University at Buffalo campus in Amherst, NY.



The building will be a brick with metal stud backing and glass structure intended for mix-use. The building will primarily be a sophomore-style dormitory which will provide living space for up to 600 occupants and be open virtually 24 hours per day, 7 days per week. Additional spaces will include: laundry units, multi-purpose space, office space, and conference rooms and data closets. Per the schematic design, a Silver Level of Certification would entail a Y-Shaped building oriented north to south with a well-insulated envelope. The glazing window to wall ratio is expected to be in the 30-40% range and will be comprised of a double low e glass with thermally broken aluminum frames. The roof systems will consist of a built up above deck continuous insulation with a white high albedo membrane. For the dormitory spaces the mechanical system will consist of a two pipe valance system to provide primary heating and cooling. Fan coil units, with the ventilation air hard ducted to them, will be utilized to provide space conditioning in the office, conference and multi-purpose spaces. Ventilation throughout the facility will be provided by air handlers with heat recovery. The chilled water loop is expected to be served by air cooled chillers, while the heating loop will be served by condensing boilers. The lighting for the facility is expected to consist of fluorescent fixtures with an emphasis on maximizing day lighting and associated controls.

SIMILAR EXPERIENCE

Nycomed – Pharmaceutical Manufacturing and R&D Facility Melville, New York

Stantec knows that the integration of manufacturing facilities with the process and support utilities is critical in the development and manufacture of pharmaceutical products. Stantec provided full-service planning, multidiscipline engineering design, and architecture services for this 155,000 square foot all-purpose pharmaceutical facility. Housing manufacturing, research and development laboratories, warehouse, and office functions, planning included Good Manufacturing Process (GMP) reviews, process studies, and staffing analysis. Design and project management services were subsequently provided for a 10,000 square foot multi-phased R&D renovation and upgrade incorporating QA/QC, instrument, chemistry, microbiology, and administrative offices. Project construction was accomplished in multiple phases to maintain ongoing operations and to minimize facility downtime. The multi-phased R&D renovation included programming (interviews with the laboratory managers), layout of all laboratory furniture and equipment, design of two (2) new rooftop mounted chillers, new HVAC equipment selection and system design, electrical design with consideration for emergency power circuits, lighting, data, security, and communications.



Fisher Mountain Development Pendleton County, West Virginia



Fisher Mountain Development located approximately 7 miles east of the Town of Franklin in Pendleton County, West Virginia is a new residential development to be constructed around a beautiful 18 hole golf course. The development is planned to have approximately 1200 lots when completed and residents will be centrally located to take advantage of the regional outdoor recreational opportunities available which include Skiing, mountain biking/climbing, and trout fishing among other outdoor activities.

Stantec was responsible for the preliminary lot layouts, final design and permitting for the first three phases of roads, lots, central water distribution and sewer collection. In addition to the lot development, Stantec has designed and permitted a 30,000 GPD wastewater treatment plant and a water treatment and storage system to serve 642 homes. Each phase of the project was started with a cost estimate to evaluate the highest and best use of the land available. Two recreational lakes have been studied using the Raleigh North Carolina Stantec office to complete a Hydraulic and Hydrographic study to determine the hazard classification and recommend final design criteria.

Flowers Bakery Marion County, West Virginia

Flowers Bakery is a local distributor of baked goods which is relocating from an old location in Marion County to the new 6,600 SF distribution center. The center includes different truck dock heights for both the relay and delivery trucks as well as adequate drive areas to maneuver tractor trailer.



SIMILAR EXPERIENCE

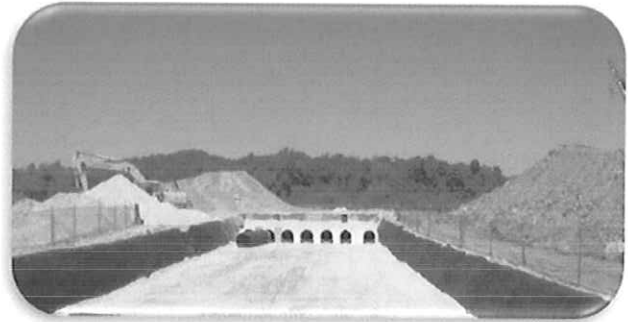
Stantec was selected by Butler Properties, Inc. of Atlanta, GA as the site designer for a 1.75 acre parcel in the Marion Regional Business Park. Initially, the team prepared the boundary and topographic survey for the site. The site design included, building location; parking lot layout; detailed utility design and location for water, sanitary sewer, storm drainage, gas and electric; stormwater management; erosion/sediment control; and finished grade elevations. As part of the site package, a NPDES application was prepared as required by the WVDEP.

The on-site stormwater management and drainage system was comprised of approximately five drop inlets/storm manholes, approximately 460 LF of storm sewer pipe which empties into an on-site open detention pond located adjacent to the parking lot. The outfall is a control structure utilizing a multiple orifice's designed to limit stormwater discharges to pre-development levels.

Fairmont General Hospital Healthplex Marion County, West Virginia

Fairmont General Hospital's Healthplex is a medical-fitness facility that will integrate physical therapy, cardiac rehabilitation, occupational medicine, and pulmonary rehabilitation. The focus of the project is to enhance the health status and improve the overall quality of life of the community.

Physician offices will be located at the facility to provide the community with an all-inclusive location for outpatient medical and rehabilitation services. The medical office area will house a variety of medical practices. The facility will serve the dual purpose of providing the necessary rehab for recovering patients and medically based fitness services for the community. In addition to rehabilitative medicine and medical offices, the Healthplex will include a therapy pool, heated lap pool and modern fitness area.



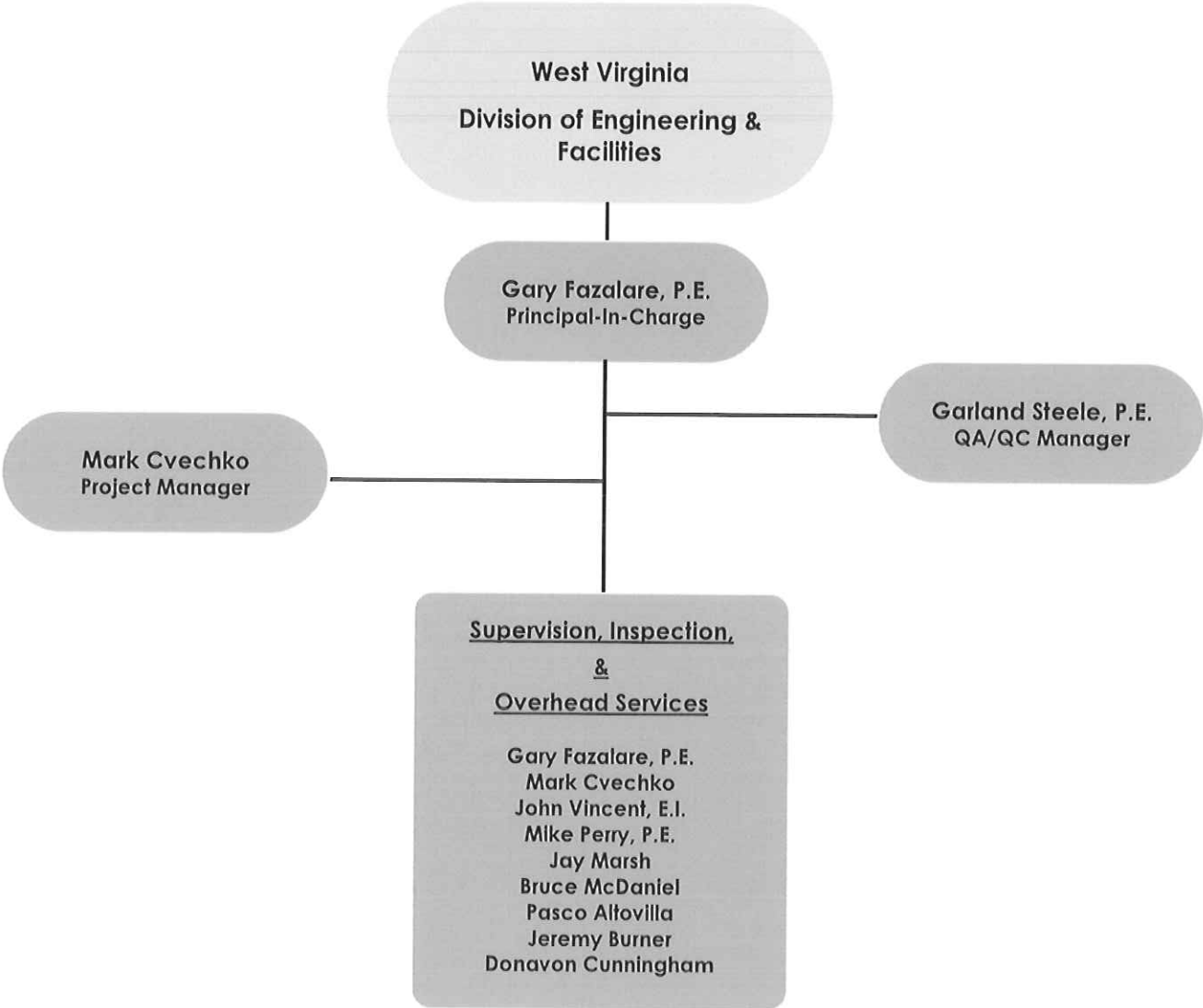
Stantec was selected by Fairmont General Hospital and Browning Day Mullins Dierdorf Architects of Indianapolis, IN as the site design sub-consultant for the 6.3 acre parcel. Initially, Stantec prepared the boundary and topographic survey for the site and coordinated the preliminary geotechnical investigations. The site design included, building location; parking lot layout; site access road; detailed utility design and location for water, sanitary sewer, storm drainage, gas and electric; stormwater management; erosion/sediment control; and finished grade elevations. As part of the site package, a NPDES application was prepared as required by the WVDEP.

The on-site stormwater management and drainage system was comprised of approximately six drop inlets/storm manholes, approximately 250 LF of storm sewer and an underground pipe gallery which provides approximately 10,000 cubic feet of on-site detention beneath the parking lot. The system consists of approximately 1350 linear feet of 36" diameter H.D.P.E. pipe with manifolds at each end. The outfall is a control structure utilizing an orifice/weir combination designed to limit stormwater discharges to pre-development levels.

Approximately 628 LF of PVC sanitary sewer was constructed on-site, with all necessary manholes and appurtenances. A small sanitary lift station was required to provide service to the bottom floor of the facility to drain a swimming pool.

PROJECT TEAM

Below is our proposed project team for the Supervision, Inspection, and Overhead services for the Access Control Point located on Camp Dawson. Resumes are included on the following pages.



Gary Fazalare PE

Urban Development Sector Leader



Mr. Fazalare is a Professional Engineer registered in the State of West Virginia, with more than 18 years of experience in engineering design and project management. Mr. Fazalare has extensive WVDOH experience including Transportation, Construction Engineering and Inspection, and Protective Coatings Inspection.

EDUCATION

BS/Engineering Technology/Fairmont State College

Coursework/Design of Water Treatment Plants/Safe Drinking Water Act/University of Wisconsin

Coursework/Erosion and Sediment Control/Glenville State College

Coursework/KYPIPE Hydraulic Modeling/University of Kentucky

Training/Board Member's Mandatory Course/West Virginia Public Service Commission

RELEVANT REGISTRATIONS

Professional Engineer WV 14608

Professional Engineer PA PE-054868

Professional Engineer MD 40285

NACE Certified Coatings Inspector - Level 3

PROJECT EXPERIENCE

WV 93 Connector, Appalachian Corridor H – Scherr, West Virginia DOH.

Project Manager for an 870,000 cubic feet grade, drain and a 60 foot bridge project. Performed project manager duties concerning the construction and inspection services for this new four lane highway. G&O provided construction inspection, materials testing, and survey services for this project. G&O had one subconsultant on the project that provided construction inspection services. Responsible for the overall coordination and supervision for G&O on this project.

WV 9 Construction, U319-9-2-28, West Virginia Division of Highways, Jefferson County, WV.

Project Manager for construction of a new four-lane highway on WV 9 in Jefferson County. Responsibilities included overseeing the construction, inspection, and surveying services. The project is a grade and drain project with the construction of a four-lane bridge. The project length was 1.00 miles and involves moving 400,000 CY of earth and rock in constructing a modern fully controlled access four lane highway paralleling the

existing two lanes and includes a full length frontage road and bike path. The bridge on Currie Road spans 165 feet and consists of a reinforced concrete deck slab, steel girders, reinforced concrete substructure, mechanically stabilized earth (MSE) retaining walls and 66" diameter drilled caissons founded on rock.

0.16 Mi. W US 220- 1.48 Mi. E US220, Appalachian Corridor H, West Virginia Division of Highways, Hardy County, WV.

Project Manager for construction and inspection services. The project included the construction of a new four-lane from US 220 to Fort Run. Also, the construction of two bridges to build the US 220 interchange and widening of US 220 to three lanes.

1.9 Miles W of CR 3 to 0.22 Miles E of CR 3, Appalachian Corridor H, West Virginia Division of Highways, Grant County, WV.

Project Manager for Greenhome & O'Mara for this construction project. Services included providing construction inspection, materials testing, quality assurance, and surveying for the section of Corridor H from 1.9 mi west of CR 3 to 0.22 mi. east of CR 3. Responsibilities also included staffing and supervision of construction inspectors for the \$32M contract with the WVDOH. It involves more than 5.7 million cubic yards of excavation and construction of a four-lane, 613-foot-long bridge rising over wellands and a county road. The project also included more than a quarter-mile of 10-foot X 10 foot precast concrete box culvert drainage structure.

1.05 Miles W of WV 93 to 0.13 Miles E of CR 1, Appalachian Corridor H, West Virginia Division of Highways, Grant County, WV.

Performed project manager duties concerning the construction inspection, materials testing services, quality assurance, surveying, and related work as directed by the Department for construction of the section of Corridor H from 1.05mi. West of WV 93 to 0.13 mi. east of C.R. 1 in Grant County. It is a 3 million cubic yard project that included 1.37 miles of a four lane highway and two four lane steel bridges measuring a total of 1,265 feet long.

* denotes projects completed with other firms

Gary Fazalare PE

Urban Development Sector Leader

0.13 Mile E CR 1 to 0.57 Miles N CR 1/ CR 3/3 Intersection, Appalachian Corridor, West Virginia Division of Highways, Grant County, WV.

Project Manager for providing construction inspection, materials testing services, quality assurance, and surveying for the section of Corridor H from 0.13 mile east of C.R. 1 to 0.57 miles north of the C.R. 1/C.R. 3/3 intersection. The work included project inspection and materials sampling and testing services for a range of project tasks from grade, drain, and paving, to structural items. The project included 875,000 cubic yards of excavation and a 63 ft bridge over CR1.

2002-2012 Statewide Construction Inspection Contract, West Virginia Division of Highways.

Project Manager for providing construction engineering and inspection services for various assignments throughout the state. Assignments vary in duration and include grade, drain, paving, guardrail, utility inspection, materials testing/certification, and structures.

2002-2012 Statewide Construction Coatings Inspection Contract, West Virginia Division of Highways.

Project Manager for providing Coatings inspection services for various assignments throughout the state. Assignments vary in duration and include coating evaluation, coating system recommendation, failure analysis, and field inspection. Project sizes vary from more routine single span interstate bridges to more elaborate river crossings with larger main spans.

Deck Replacement on Jennings Randolph Bridge RT. 30 over Ohio River, West Virginia Division of Highways.

Project Manager for the removal of 3 inches of existing concrete deck surface and replacement with a specialized concrete overlay. Responsibilities included the oversight of the inspection of all aspects of the project to ascertain that all work was performed in accordance with the WVDOH standard specifications, supplemental specifications and project plans. Inspection duties included traffic control setup on a four lane highway; roto-milling and hydro demolition of existing deck surface; water blast cleaning of the deck after hydro demolition; placement of the micro silica overlay; grooving the new deck surface using a gang saw machine and permanent roadway striping.

Garland W. Steele PE, PS, FASCE

Project Manager



Stantec

Garland has more than 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.

He has in-depth experience implementing research findings in the field; working 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; working with state Department of Transportation maintenance and construction operations; and overseeing operations related to the management, recovery and repairs required in the wake of emergencies and disasters affecting the West Virginia highway system (including flooding, earth movements, winds, structural failures, ice and snow, and other traffic flow impacts).

EDUCATION

Concrete Technician (#136), WVDOT, Charleston, West Virginia, 1990

Aggregate Inspector (#5913), WVDOT, Charleston, West Virginia, 1990

Asphalt Technician (#159), WVDOT, Charleston, West Virginia, 1990

Licensed Class B Explosives Permit (#B060119285913), West Virginia, Charleston, West Virginia, 1990

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

Training, FHWA-NHI-130055 Safety Inspection of In-Service Bridges, National Highway Institute, West Virginia, 2012

REGISTRATIONS

Professional Land Surveyor #1386, State of West Virginia

Professional Engineer #25020, State of South Carolina

Professional Engineer #24347, Commonwealth of Kentucky

Professional Engineer #0402015191, Commonwealth of Virginia

Professional Engineer #3929, State of West Virginia

Member, West Virginia Section, American Society of Civil Engineers

PROJECT EXPERIENCE

Appalachian Corridor H (4-12-00), Tucker County, West Virginia

*Design, 4 lane with interchanges
State Project #X347-H-74.S5.00
Federal Project #APD-0484(191)C*

Culloden RR Overpass (11-19-03), Putnam County, West Virginia

*Construction Inspection
State Project #S340-60-0.03
Federal Project # BR-0060(144)E*

Davis Creek Bridge (8-3-04), Kanawha County, West Virginia

*Construction Inspection
State Project #U320-64-49-73.04
Federal Project #NH-0642-(114)*

Transportation Research Board*

Mr. Steele was retained under a TRB contract to analyze research needs in construction management. The purpose of the project was to evaluate all aspects of construction from a State DOT and FHWA perspective, including manpower management, contract administration, construction inspection, and quality assurance. Mr. Steele assisted in analyzing data obtained from workshop participants to assist in the prioritization of research needs.

Construction, Maintenance and Materials Engineer (1981-1985), WV Department of Highways*

After a department reorganization in 1981, Mr. Steele became the Department's Engineer for Construction, Maintenance, and Materials. In this capacity, he was responsible for all activities performed by the three functional units. During this time, Mr. Steele directed many important activities and initiatives, including:

- the supervision of a major effort to streamline Department operations and increase productivity;*

- the development and implementation (with consultant assistance) of an equipment management system and expansion of the training programs for each Unit under his direction.*

* denotes projects completed with other firms

Garland W. Steele PE, PS, FASCE

Project Manager

- the implementation of a program to store in an environmentally safe manner the Department's stockpiles of chlorides;
 - the investigation of all major highway-related emergencies, disasters, and other problems in the State; and
 - direct involvement with the construction contractors and fabricators on the State's first cable-stayed bridge and on a tied-arch bridge in Wheeling.
- In addition, Mr. Steele was assigned several responsibilities which had been those of the State Highway Engineer before the reorganization. This included most of the duties related to the Department's operational functions (e.g., serving as Chief Contracting Officer for construction and Maintenance

Chief Engineer-Operations (1977-1981), WV Department of Highways*

For four years before the Department's reorganization, Mr. Steele served as Chief Engineer for Operations. Mr. Steele was responsible for ten District Offices and all Operating Divisions, including maintenance, construction, equipment, materials, and roadside services. His duties and activities as Chief Engineer were similar to those for the position of Construction, Maintenance and Materials Engineer. During the 1977-1981 period, Mr. Steele was involved with several special initiatives, including:

- a major overhaul of the Department's pavement improvement program, which dramatically increased the number of miles improved per year and decreased project lead times; and
- the personal direction of keeping the State's highway system open during the State's 1978 record snowfall;
- 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;
- oversight of pavement design, geotechnical engineering design for roadway location and alignment, and the geotechnical design of cuts, fill slopes, and foundations on WV Interstate and other Highways; and
- the investigation of the Silver Memorial Bridge discontinuities.

Director, Materials Control, Soil and Testing Division (1965 - 1977)*

For 12 years, Mr. Steele managed this Division which had six major sections – Structural Steel, Concrete, Bituminous, Soils, Aggregates, and Administrative. The Division was responsible for all physical and chemical materials testing performed by the Department as needed by the Department's Construction, Maintenance, Traffic, Design, and Geotechnical Units. At its peak, Mr. Steele supervised a staff of 275, which included approximately 250 technical and professional personnel. During his tenure as Director, the Materials Control, Soil, and Testing Division gained national prominence for its programs. The Division was involved in many general and special initiatives. Mr. Steele participated in:

- the NTSB investigation of the Silver Bridge collapse;
- shop inspection of the New River Gorge Bridge;

- geotechnical investigation and mitigation of abandoned mines under the New River Gorge Bridge foundation;
- an increased emphasis on the field implementation of research findings;
- the development of a Materials Control Testing Manual to document the Department's specific criteria;
- the Department's development and adoption of a performance-based specification approach, which represented a major departure from the classical approach to quality assurance in construction;
- much of the initial geotechnical groundwork for West Virginia's Interstate highway system;
- the first in-depth testing and evaluation of traffic control devices;
- an upgrading of the available facilities for laboratory testing;
- a program of forensic studies for failures related to materials.

Assistant Director, Materials Control, Soil and Testing Division (1962 - 1965)*

As a result of a Department reorganization, Mr. Steele became the Assistant Director of the Division. His responsibilities were similar to those described for Mr. Steele's position as Director. Specifically during his service as Assistant Director, the Department greatly expanded its testing facilities with the remodeling of the newly leased building for both the office and laboratory functions. As a result, Mr. Steele's duties were greatly increased commensurate with the Division's increased capacity to properly manage a major sampling and testing program.

Assistant to/Assistant Chief Soils Engineer (1957 - 1961)*

Mr. Steele's four years in the Soils Section provided him with the foundation needed for performing his job responsibilities in later years with the Department. During this time, Mr. Steele:

- gained his initial understanding of the geomorphology of the Appalachian Region;
- as part of his initial work with the Interstate system, addressed special soil density and compaction problems;
- developed a practical understanding of the precision of sampling and testing methods and the use of statistics and probability;
- participated in pavement design, geotechnical engineering design for roadway location and alignment, and the geotechnical design of cuts, fill slopes, and foundations on WV Interstate and other Highways;
- participated in testing program for the AASHTO Road Test; and
- gained an understanding of geotechnical problems in construction.

Mr. Steele also was heavily involved in a research program with West Virginia University to conduct an in-depth analysis of the Department's pavement structure designs. The project involved sampling roads from all over the State with a variety of cross sections and performance. The project resulted in recommendations for the Department's typical subgrade, base and surface pavement structure. Mr. Steele devoted 6 - 7 man-months of time to the project.

* denotes projects completed with other firms

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.

Route 50 By-Pass*

Field superintendent responsible for all aspects of roadway construction, including safety, production, scheduling supply deliveries, coordinating subcontractors, maintaining cost control and schedule, submitting change orders and pay estimates.

* denotes projects completed with other firms

Mark Cvechko

Project Manager

Glenville Federal Prison

Quality Control/Quality Assurance Manager responsible for the daily scheduling of workforce to assigned to provide quality control testing of materials such as concrete, soils, aggregates, etc. Prepare reports for Federal Prison representative. Submit invoices and monitor safety.

Hazelton Federal Prison

Assurance Manager responsible for the daily scheduling of workforce to assigned to provide quality control testing of materials such as concrete, soils, aggregates, etc. Prepare reports for Federal Prison representative. Submit invoices and monitor safety.

Bluestone Dam Rehabilitations

St. Joseph Hospital Addition

4 Mile Overland Beltline

Glady Fork Mine Treatment Plant

Corhart Manufacturing Press Building-

Traffic Operations

Statewide Traffic Study

Mr. Vincent has more than 16 years of experience in civil engineering projects. His career has encompassed many aspects of civil engineering including highway design, site development, sanitary sewer and surveying.

EDUCATION

B.S./1994/Civil Engineering Technology/Fairmont State College

A.S./1994/Architectural Technology/Fairmont State College

RELEVANT REGISTRATIONS

Engineer Intern, State of West Virginia

PROJECT EXPERIENCE

Appalachian Corridor H West of Co. Rt. 3 – East of Co. Rt. 3.

West Virginia Division of Highways, Grant County, WV. Project Designer responsible for providing surveying and construction verification of structure locations for the 1.96 mile section of Corridor H.

Appalachian Corridor H W.WV 93 – E. Co. 1

West Virginia Division of Highways, Grant County, WV. Project Designer responsible for providing surveying and earthwork quantities for the 1.37 mile section of Corridor H.

Appalachian Corridor H WV 93 Connector - Scherr, West Virginia Division of Highways, Grant County, WV.

Project Designer responsible for providing surveying, earthwork quantities and final "as-built" roadway cross-sections for the 1.42 mile section of Corridor H and WV 93 Connector.

I-495 Capitol Beltway HOT/HOV Lanes PPP Fluor-Lane, LLC, Fairfax, VA.

Project Designer responsible for water and sanitary utility relocation services for 12 miles of widening and reconstruction with four High Occupancy Toll (HOT)/High Occupancy Vehicle (HOV) lanes in each direction.

Hampton Truss Bridge Replacement. West Virginia Division of Highways, Upshur County, WV.

Highway designer responsible for the design of roadway elements and right-of-ways for the replacement of the Hampton Truss Bridge. The project consists of the preparation of a preliminary design report, detailed

design, and preparation of construction contract plans and all related documents for the new bridge and roadway approaches to replace an existing through-truss bridge carrying C.R. 22/2 over the Buckhannon River in Upshur County. The proposed bridge is a steel truss structure with a span of approximately 150 feet. Roadway approaches have been revised to match the proposed grade changes to the bridge. The approximate length of the roadway is 175 feet.

Morgantown Traffic Calming Project. City of Morgantown, Morgantown, WV.

Project Designer responsible for the design of traffic calming devices in White Park, Marilla Park, and the Evansdale Campus area within the City of Morgantown. The project consists of constructing speed humps in both White and Marilla Parks and the construction of speed tables in the Evansdale Campus area. Designed in accordance with the Manual on Uniform Traffic Control Devices (MUTCD) and from the Institute of Transportation Engineers (ITE). Duties consist of a field verification visits, preparation of construction contract plans and all related documents.

WV 705 Connector Design Study. West Virginia Division of Highways, Monongalia County, WV.

Highway Designer responsible for the development of two mainline alternatives to connect WV705 to County Route 857 at Easton Hill. In conjunction with the two mainline alternatives, various interchange and at-grade intersection options were developed at either end of the project.

King Coal Highway (Taylorville to Calico) Nicewonder Contracting, Mingo County, WV.

Highway Designer responsible for roadway design tasks and CADD duties associated with preliminary engineering and final design tasks for a public/private project involving Nicewonder Contracting, West Virginia Division of Highways and Mingo County. The final design of the King Coal Highway consists of a nine-mile section of a new four-lane and a two-mile relocation of WV 65 that connects Taylorville and Red Jacket to the King Coal Highway with an at-grade intersection.

Realignment of the Intersection of Stewart St., Protzman St., Hoffman Ave. & Vangilder St., City of Morgantown, Morgantown, WV.

Project Designer responsible for the realignment of a five-legged intersection within the City of Morgantown. The project consists of installing traffic control devices,

* denotes projects completed with other firms

John Vincent ^{ET}

Transportation Engineer

sidewalks and pavement stripping to simplify a confusing and congested intersection. Duties consist of a field verification visits, preparation of construction plans.

Open-End Contract, Pennsylvania Department of Transportation, District 9-0.

Project Designer responsible for Final design of three separate Act 44 mill and overlay projects on S.R. 1007 in Bedford County, S.R. 0022 in Cambria County, and S.R. 350 in Blair County.

Dolls Run Bridge Replacement, West Virginia Division of Highways, Monongalia County, WV.

Highway Designer responsible for selected design tasks and CADD duties associated for the preparation of final design plans. Work consisted of developing a temporary detour road, the improvement of the existing roadway and property access issues.

Headsville Bridge Replacement, West Virginia Division of Highways (WVDOH), Mineral County, WV.

Highway Designer responsible for selected design tasks and CADD duties associated with the development of two additional alternatives to supplement the four alternatives developed by the WVDOH for the Bridge Replacement Study. The additional alternatives provided will include a narrative description, plan and profile sheets and cost estimates.

Mingo County Airport Feasibility Study, West Virginia Division of Highways, Mingo County Airport Authority, Mingo County, WV.

CADD Technician responsible for preparing exhibits, runway layouts, and reports for an airport feasibility study. The study considered a 550-acre site for the construction of a new general-aviation airport.

Internal Revenue Service Enterprise Computing Center, GSA Allegheny Service Center, Kearneysville, WV.

Project Designer responsible for the updating of an existing Spill Prevention, Control, and Countermeasure (SPCC) Plan and WVDEP Underground Injection Permit. Work included field investigation of storm sewers and oil water separators to determine illicit discharge connections and surveying of existing features to development base mapping.

United States Custom House, GSA Allegheny Service Center, Philadelphia, PA.

Project Designer responsible for the preparation of a Spill Prevention, Control, and Countermeasure (SPCC) Plan and Operation and Management (O&M) Plan. Work

included field investigation of basement sumps, underground storage tanks and discharge points into storm sewers, to determine possible illicit discharge connections, surveying of existing features to development base mapping and the design of secondary containment practices within the building location.

* denotes projects completed with other firms



Mike manages client relationships, leads business development efforts and oversees day-to-day office operations. He is also a structural engineer with more than 11 years of professional experience involving various types of prestressed concrete bridges, steel welded plate girder and tub girder bridges, and reinforced concrete culverts. His responsibilities have included project management, preliminary and final design, preliminary and final quantity estimates, project coordination meetings, plan and specification preparation and verification of bridge, culvert and other highway structures.

In addition to structures design, Mike is a certified NBIS team leader for bridge inspections and a team leader for rope access bridge inspection team. He has inspected numerous bridges, including major river crossings on the Ohio River. Mike's responsibilities included developing inspection procedures and methods of access, coordinating project-specific safety concerns, supervising a team of inspectors, completing arm's length inspection, rating bridges using NBI and element level systems, and preparing and submitting inspection reports.

Mike is familiar with a number of industry software programs, including Microstation, Ansys/Civil FEM, MDX, Leap Bridge, CONSPAN, RC Pier, STAAD, LARSA, BRASS-CULVERT, GT Strudl, MathCad, InRoads, and various other structural design software programs.

EDUCATION

Master of Science, Civil Engineering, University of Kentucky, Lexington, Kentucky, 2004

Bachelor of Science, Civil Engineering, University of Kentucky, Lexington, Kentucky, 2002

RELEVANT REGISTRATIONS

Professional Engineer #17865, State of West Virginia

MEMBERSHIPS

Board of Directors- President-Elect, American Council of Engineering Companies of West Virginia

Transportation Division Director, American Council of Engineering Companies of West Virginia

ACEC/WV and WV DOT Joint Forum Committee, American Council of Engineering Companies of West Virginia

Transportation Division Committee -Technical Publications Committee, American Council of Engineering Companies of West Virginia

Member, West Virginia Society of Professional Engineers

Member, American Institute of Steel Construction

Member, National Society of Professional Engineers

PROJECT EXPERIENCE

Swago Creek Bridge Replacement, Pocahontas County, West Virginia (Project Manager and Structural Engineer)

Mr. Perry was the engineer-of-record for this project to replace a 92-foot long bridge. The new bridge will have two 12-foot lanes and two 8-foot shoulders. The proposed superstructure configuration is a simple span with spread prestressed concrete box beams. The semi-integral abutments will be full-depth reinforced concrete.

Currie Road over Relocated WV 9, Jefferson County, West Virginia (Structural Engineer)

Mr. Perry prepared plans for a 103-foot long simple span bridge. The abutments were founded on drilled shafts located behind MSE walls. The superstructure was framed with 39-inch hybrid, unpainted, weathering steel plate girders using HPS grade 70 steel in the bottom flanges.

Orchard Access Road over Relocated WV 9, Jefferson County, West Virginia (Structural Engineer)

Michael was responsible for plan preparation for the new 30.5-foot wide, two-span (162 feet ~ 155 feet) 63-inch welded steel plate girder bridge over the relocated mainline and a CSX Railroad track. Features include LRFD design code, an integral abutment on steel bearing piles behind an MSE retaining wall, architectural treatment of barriers, MSE wall, and pier, and a hybrid design with the use of HPS-70W steel in portions of the flanges.

* denotes projects completed with other firms

Michael B. Perry PE

Transportation Engineering Manager

**Relocated WV 9 over Existing WV 9 (East Crossing),
Jefferson County, West Virginia (Structural Engineer)**

Mr. Perry was responsible for plan preparation for two new 3-span (98 feet ~ 146 feet ~ 98 feet), 60-inch welded steel plate girder mainline bridges. The bridges are on a 66-degree skew. The bridge widths are 44.5 feet and 61.5 feet. Features include LRFD design code, severe skew, semi-integral abutments on drilled shafts, and drilled shaft supported multi-column piers with architectural treatment designed for the LRFD vehicular impact loading.

**Jefferson CR 9/1 (Currie Road) over Existing WV 9,
Jefferson County, West Virginia (Structural Engineer)**

Responsible for design and final plan preparation. The structure was a 167-foot simple span composite 72-inch welded steel plate girder bridge with M270 grade 50W and HPS 70W weathering steel.

**Route 80 Connector over Hunt's Creek, Buchanan
County, Virginia (Structural Engineer)**

Mr. Perry was the engineer of record on the CR 80 over Hunt's Creek Bridge, which is part of a large design-build contract. The three-span (105 feet ~ 90 feet ~ 108 feet) bridge utilizes a 54-inch PPC Bulb Tee Beam superstructure. Other features of the bridge include a variable skew angle, curved alignment with chorded beams, semi-integral abutments behind MSE retaining walls, and multi-column piers founded on drilled shafts. As the engineer of record, Mike's activities have included: project coordination among the design-build team, supervising design team efforts, project delivery, refining substructure layout, design of prestressed beams, pier design, drilled shaft design, MSE wall layout, and overseeing other miscellaneous design processes.

Jay Marsh

Inspector



Mr. Marsh has over 15 years of experience in performing, testing and inspection of construction materials. He has performed and directed testing of concrete, soils, aggregate and asphalt in the laboratory to check for compliance with the governing specifications. He has performed and directed the testing of the same materials on a variety of projects on federal and state funded projects as well as privately funded projects

EDUCATION

Compaction Inspection, ID # 6339, WV Department of Highways, Charleston, WV, 2012

Bituminous Asphalt Technician, # 6339, WV Department of Highways, Charleston, WV, 2012

Portland Cement Concrete Inspector, #6339, WV Department of Highways, Charleston, WV, 2012

Portland Cement Concrete Technician, #6339, WV Department of Highways, Charleston, WV, 2012

Aggregate Inspector, # 6339, WV Department of Highways, Charleston, WV, 2012

WVTRET Certification, Level III, #2572, WV Department of Highways, Charleston, WV, 2012

PROJECT EXPERIENCE

Bridges

Annamoriah Bridge, Calhoun County, WV

Mr. Marsh was the inspector on this project. He was in charge of daily reports, in-telling the work pre-formed by the contractor, and material incorporated into the bridge or roadway

Roadways

WV Division of Highways, WV

Mr. Marsh was responsible for the in-place density testing on soils and aggregate incorporated in to the roadways and backfilling of conduits and structures, along with testing the concrete used on the projects for their properties.

Urban Land Engineering

Glenville Federal Correction Facility, Glenville, WV

Mr. Marsh was in charge of the in-place density testing of the soils and aggregates being incorporated into the fills and roadways along with the testing of properties of the concrete delivered for construction on buildings, sidewalks and parking lots.

Wastewater

Cannan Valley Wastewater Treatment Facility, Cannan Valley, WV

Mr. Marsh was responsible for the in-place density of soils and aggregates incorporated in the fills and roadways, along with the testing of concrete used in the construction of buildings and treatment basins.

*denotes projects completed with other firms

Bruce McDaniel

Construction Inspector



Mr. McDaniel has more than 39 years of public sector experience in water and wastewater utility management, operations and maintenance and municipal government administration. His career has encompassed water, wastewater, and storm water utility construction, project management, systems start-up and personnel training. During his career, he has managed several projects in West Virginia that entailed definition of project scope, project financing, rate setting, design and construction review, and implementing utility management structures from the ground up. He has been responsible for projects ranging from public parking garages, municipal public safety buildings, and water and sewer systems. He has developed professional relationships with regulatory and funding agencies at all levels of government.

EDUCATION

Center College/WV/Business
Management/Computer Programming/1971

US EPA/WV State Health Department WV/44 week
Wastewater Treatment Plant Operator Training and
Certification Course/1972

Water & Wastewater Technical School MO/EPA
Certified Instructor/ Wastewater Treatment/ 1975

US EPA/Train the Trainer/WV/1975

US EPA/PA/Troubleshooting Operation &
Maintenance at Municipal Wastewater Treatment
Plants/1976

RELEVANT REGISTRATIONS

Class IV Wastewater Treatment Plant
Operator/WV/ # WVOP04693

EPA Certified Instructor/ Wastewater Treatment;
ACI Concrete Field Testing Technician/ Grade I,
#01190591

Certified Portland Cement Concrete Inspector,
WVDOH; Certified Compaction Inspector, WVDOH

Certified Aggregate Sampling Inspector, WVDOH

Certified Asphalt Field Technician, Compaction
Certified, WVDOH

PROJECT EXPERIENCE

Preston County PSD#4, Lenox-Cuzzart Waterline
Extension Project, Preston County, WV.

Construction Manager/ROW agent for the design and specifications of a water system extension project for 341 additional customers. This project involves over 42 miles of waterline extensions, four water booster pump stations, three pressure reducing valve stations, hydraulic calculations, environmental reporting.

Preston County PSD#4, Clifton Mills Water Extension, Preston County, West Virginia

Construction Manager/ROW agent for a water system extension project for a 190 additional customers. Our services included providing a preliminary engineering report and funding application preparation and construction plans for water line extensions, improvements and upgrades to the water treatment plant and water wells.

Morgantown Utility Board Water/Sewer Inspection Services, Morgantown Utility Board, Monongalia County, WV.

Performed construction inspection and project administrator services for a 25 million dollar expansion and upgrade project for various components of MUB's water and wastewater systems. The contract's main focus was to provide resident inspection services for the proposed construction activities and similar projects. Activities inspected included but were not limited to construction/modification of gravity sanitary sewers, sanitary sewer force mains, waterlines, sewage pumping stations, odor control facilities, water storage tanks, tank painting, and related construction.

Barry Street Sewer System Evaluation Survey (SSES), City of Fairmont, WV, Fairmont, Marion County, WV.

Construction Inspector for providing SSES to determine the cause of basement flooding of 10 residents from the sanitary sewer system along Barry Street in the City of Fairmont. G&O's work includes smoke testing the Barry Street drainage shed that provides sanitary and storm sewer service to approximately 200 City of Fairmont customers to determine illegal connections to the sanitary sewer system. Illegal connections can be the connection of roof leaders (down spouts), drive way

Bruce McDaniel

Construction Inspector

drains, and foundation drains. G&O will also provide dye testing and Close Circuit TV inspection services to determine the cross connections of the storm sewer to the sanitary sewer. G&O will also provide a written report summarizing the deficiencies found and provide a written recommendation for corrections that will include a preliminary cost estimate for construction.

Grafton Sanitary Sewer Improvements Project, City of Grafton, WV, Taylor County, WV.

Construction Inspector for sanitary sewer improvements by installing a new sanitary collection system in an area of an older city that currently has a combined storm/sanitary system. The project will include approximately 10,000 LF of line installation, along with 54 manholes.

Alpine Lake Water System Improvements Project, Alpine Lake Public Utilities Company, Terra Alta, WV.

Construction Inspector / Project Administrator for a water system improvements and upgrade project for a 500-resident, 2000-acre private community. Services included providing construction inspection for improvements and upgrades to the water treatment facilities, water booster pump stations, water storage tanks, radio telemetry, and production well development, owner / operator training, and project close-out.

Alpine Lake Sewer System Improvements Project, Alpine Lake Public Utilities Company, Terra Alta, WV.

Construction Inspector/Project Administrator for a sewer system improvements and upgrade project for a 500-resident, 2000-acre private community. Services included providing construction inspection for a new utility office and operations building, improvements and upgrades to the sewer treatment facilities, (new / replacement wastewater treatment plant) sewer lift stations, (six new / replacement lift stations) and collection system rehabilitation (SSES of the existing system & replacement of an existing trunk line to WWTP Main Lift Station H). Also responsible for start-up services, owner operator training, compilation of Operation and Maintenance manuals as built drawings, and project close-out.

Previous Experience

City of Fairmont, Fairmont, WV.

Served as City Manager for 11 years providing management and administrative leadership for a comprehensive water system improvement project which included replacement and upgrades to the raw water pumping, water treatment, water transmission & distribution systems and finished water storage facilities, a major Combined Sewer Overflow abatement project mandated by Fairmont's NPDES Permit, formation of a Storm Water Utility, and additional public facility projects including a multi level parking garage and a new public safety building.

Served as Utility Manager for the City of Fairmont for 15 years managing the City's drinking water utility and sanitary sewer system. Responsibilities included construction oversight, start-up, personnel training, and management, operation and maintenance of the entire wastewater treatment and collection system along with management of the drinking water utility including several capital facilities upgrades.

Precision Pump Service, Cross Lanes, WV.

Served as Municipal Sales manager for water and wastewater pumping equipment and systems. Precision Pump represented a complete line of water, wastewater, and chemical pumps. During this time, the company began manufacturing packaged, concrete water booster stations, sewage lift stations, valve vaults, and specialized in retrofitting existing facilities.

From 1979 - 1981, worked out of the Cross Lanes office and plant. During that time, Precision Pump also started representing process equipment manufacturers. Lakeside Equipment, Eimco, Infilco / Degremont, and Capital Controls were some of the lines represented by the municipal sales department at Precision Pump.

In 1981, opened a branch office in Pittsburgh, PA for Precision Pump and was responsible for servicing the western Pennsylvania / Northern West Virginia territory.

Mr. Altovilla has more than 40 years of construction experience with the WV Division of Highways. His responsibilities with the WV Division of Highways have provided him with valuable on-hands experience in construction materials and methods. This experience will be invaluable for the completion of this project. Mr. Altovilla has also supervised thirteen offices and field technicians during his career.

EDUCATION

Training/Project Supervisors/
Engineers Seminars/WVDOT

Training/Materials Control, Soils, and Testing
Division/Basic Welding Inspection

Training/Project Inspection, Administration, and
Documentation/
WVDOH

Salem College, 1975-76, 33 Credit Hours toward
Safety and Health Degree

Diploma/High School

RELEVANT REGISTRATIONS

Certified Portland Cement Concrete Technician

National Institute for Certification of Engineering
Technicians: Level IV Senior Engineering
Technician, #62994

Fairmont State College – Transportation
Engineering Technician Senior Construction
Specialization TET – SC # 1122

Bituminous Concrete Technician/WVDOT

Aggregate Sampling Inspector/WVDOT Bridge
Painting Inspection/S.G. Pinney & Associates

Basic Bridge Welding Inspection/WVDOT, Weld
Testing/Sperry School for Non-Destructive Testing

Material Control and Acceptance/National
Highway Institute

Pipe Placement Inspection/ WVDOT

PROJECT EXPERIENCE

Jane Lew PSD – Proposed Potable Water System Improvements Project, Lewis County, WV.
Construction Inspector for the replacement of approximately 11,500 lineal feet of 2" galvanized waterline including valves, removal and replacement of 25 existing gate valves, installation of 17 new gate valves in the existing distribution system, installation of 13 bypass meters, installation of an 8" diameter river crossing pipe to replace an existing crossing, install a SCADA controlled solenoid valve station and booster chlorination station, install 1,500 lineal feet of 2" PVC water line and a 37 gpm booster pump station to provide service to six new customers, and fence an existing 100,000 gallon water storage tank.

Burroughs Run/Poponoe Run Stormwater Project, Morgantown Utility Board, Morgantown, West Virginia.

Mr. Altovilla provided inspection services for expansions and various upgrades to the stormwater conveyance systems within the Burroughs Run and Poponoe watersheds. He was responsible for serving as a liaison between the contractor and MUB, conducting on site observation of the work, observing tests, equipment and system set ups.

City of Shinnston, Water Improvements Project, Shinnston, West Virginia.

Mr. Altovilla provided inspection services for installation of 73,000 linear feet of new water lines, booster pump stations, and fire hydrants and renovation and upgrading of the existing potable water treatment plant and construction of one new 88,000 gallon water storage tank and one new 276,000 gallon water storage tank with all necessary appurtenances.

Kingmill Valley Sanitary Sewer Improvements Project, Marion County, WV.

Construction Inspector for the planning and designing sanitary sewer improvements to Millersville and surrounding areas of the Kingmill Valley service area. Duties include inspection to insure compliance with approved plans and specification with approved plans and specifications for the installation of approximately 7357 LF of 8" thru 6" PVC Gravity Sewer line, 3,355 LF of 8" PVC C-900 Class 150 Force Main, 1320 LF of 10" HDPE

Pasco Altovilla

Construction Inspector

Directional Bore River Crossing, 27 Pre-cast Manholes, and all necessary fittings, accessories, and sewer connections. It also includes the upgrade of 9 Sewage Lift Stations and all necessary fittings, accessories, and sewer connections.

City of Morgantown, Sidewalk Improvements, Morgantown, West Virginia.

Provided inspection services for installation of concrete sidewalks and integral curbs including handicap access ramps. Project consists of the construction of 282 S.Y. of concrete sidewalk with handicap access ramps and integral curb, 100 L.F. of concrete wall and the removal of 550 L.F. of concrete curb along James Street, and construction of 377 S.Y. of concrete sidewalk with handicap access ramps and integral curb, 20 L.F. of concrete wall and the removal of 730 L.F. of concrete curb along Darst Street.

High Street Sidewalk and Retaining Wall Improvements, Shinnston, WV

Mr. Altovilla provided inspection services for the removal of 422 S.Y. of concrete sidewalk and steps, followed by the replacement of 422 S.Y. of concrete sidewalk and steps with 786 L.F. of Type I safety railing and 73 L.F. of Type II safety railing, 114 L.F. of pile and lagging style retaining wall, grouting repair of existing MPA style wall, 23 L.F. of MSE style retaining wall, and the replacement of 76 S.Y. area of asphalt along High Street.

Town of Fairview, Sidewalk Improvement, Fairview, West Virginia

Project Inspector for the removal and replacement of 1,000 square yards of concrete sidewalk including the installation of handicap access ramps along Main Street.

West Virginia Department of Transportation, Division of Highways, 1961-62, 1965 - 2004.

Quality Assurance/Inspection, District Material Supervisor, WVDOH District 4. Duties included the oversight of the plants and testing of materials used in construction including Portland Cement Concrete, Bituminous Concrete, and Aggregate; the supervision of the District laboratory; the supervision of field technicians and field offices.

Jeremy Burner

Construction Inspector



Mr. Burner has a Bachelor's degree in Mechanical Engineering Technology and 13 years experience of supervisory skills. The combination of his education and experience will prove to be valuable on construction sites as a Construction Inspector.

EDUCATION

B.S./ Mechanical Engineering Technology/
Fairmont State University/2000

RELEVANT REGISTRATIONS

NACE Certified Coatings Inspector –Level 2
WVDOH Compaction Inspector/WV/3867/2011
WVDOT Engineering Technician Level
III/WV/2465/2010
WVDOH Portland Cement Concrete
Inspector/WV/3867/2011
ASE Certified Automotive Parts Specialist/1998-
Present

PROJECT EXPERIENCE

Arch A. Moore Jr. Bridge, WVDOH Project # S 326 –
P2 – 0.01 00,

Provided inspection for maintenance operation involving the total removal of the existing paint system. The bridge has a total length of 2,629 lf, the steel structure has been designed as a main span, arch bridge with vertical cables suspended deck and 2 approaches, girder structure with cross bracings. Inspector responsible for the inspection of Surface preparation; abrasive blasting at SP 10 standard on the main steel structure and SP 15 power tooling on corroded spots inside the top chords and bottom chords boxes. It is 645,000 sqf total removal. Paint system: OZEU (organic zinc, epoxy, urethane) for the main steel structure and Penetrant Sealer + Epoxy Aluminum Mastic inside the boxes.

Hazellton Overpass Bridge, WVDOH,

The Hazellton Overpass Bridge carries Preston County Route 5 over Interstate 68 near the community of Hazellton, Preston County. The bridge is located 0.17 miles south of CR 5/7. The bridge is 283'-0 1/2" long and 38'-6" wide. The bridge has four spans, including 3 piers and two abutments, and the span type is CSPG. The existing paint is believed by the owner to contain lead. Duties included taking conditions daily with the use of a Sling Psychrometer and a laser surface thermometer. Performed blast inspection after each day's production. Observed the contractor perform the Chloride Tests on the blasted steel. Performed surface profile tests after each day's

blasting operations with the use of Testex Tape. Observed the contractor's mixing and application procedures. Performed DFT (Dry Film Thickness) readings on each coat with the use of a Positector 6000 DFT gauge. The contractor applied the coatings system of Organic Zinc Primer, Epoxy Intermediate Coat and Urethane Finish Coat with the use of airless spray equipment.

Dave Sugar Compaction Testing, Dave Sugar Excavating, LLC for the Sun Valley PSD Sewer Extension Project located in Harrison County, WV. *Provided the equipment and materials required to perform compaction testing at locations requested by client, perform testing in accordance with WVDOH Standards and MP's. Provided results of testing and prepared appropriate documentation and records, and performed One Point Proctor Field Test as required and/or requested by client.*

Holiday Detection at MUB Water Treatment Plant, Morgantown Utility Board, Morgantown, WV. *Inspection duties were as follows: Taking daily conditions to ensure proper conditions for painting; Performing blast inspections to ensure the surface preparation met the specification; Performing surface profile tests using Testex Tape, to ensure the surface profile met the specification; Observing all mixing, thinning, and painting processes to ensure the contractor observed the specification and/or the product data sheets for the coatings; Performing Dry Film Thickness (DFT) measurements for each coat to ensure the coating thickness met the specification using a Positector 6000 DFT gauge.*

Morgantown Utility Board Water/Sewer Inspection Services, Morgantown Utility Board, Monongalia County, WV.

Performing resident inspector duties for a 25 million dollar expansion and upgrade project for various components of MUB's water and wastewater systems. The contract's main focus is to provide resident inspection services for the proposed construction activities and similar projects. Activities to be inspected include but are not limited to construction/modification of gravity sanitary sewers, sanitary sewer force mains, waterlines, sewage pumping stations, odor control facilities, water storage tanks, tank painting, and related construction.

Donavon Cunningham

Construction Inspector



Stantec

Inspector has more than 7 years of construction and survey experience. The inspector's responsibilities have provided valuable on-hands experience in construction materials and methods. This experience will be invaluable for the completion of this project.

EDUCATION

United Tech Center/CADD and Design/Certificate/1999
A.S./2004/Electronic Tech/Fairmont State College
Short Course/Foundation Concepts in GIS/ West Virginia University
Short Course/Accuracy and Precision in Land Surveying/Fairmont State University
2007/Coating Inspection Level I/NACE International
2012/Coating Inspection Level III/NACE International
2008/Portland Cement Concrete Inspector

RELEVANT REGISTRATIONS

Level II/Transportation Engineering Technician Associate (TRETAS)/ Fairmont State University
NACE Coatings Inspector Level III/2012/CIP.14613
Nuclear Handling/Radiation Portable Gauge Safety Training

PROJECT EXPERIENCE

Holiday Detection at MUB Water Treatment Plant, Morgantown Utility Board, Morgantown, WV.
Inspection duties were as follows: Taking daily conditions to ensure proper conditions for painting; Performing blast inspections to ensure the surface preparation met the specification; Performing surface profile tests using Testex Tape, to ensure the surface profile met the specification; Observing all mixing, thinning, and painting processes to ensure the contractor observed the specification and/or the product data sheets for the coatings; Performing Dry Film Thickness (DFT) measurements for each coat to ensure the coating thickness met the specification using a Positector 6000 DFT gauge.

2011-2012 Statewide Coatings Inspection. – William S. Ritchie Jr. Bridge.

Provided coating inspection services for bridge and Ohio approach 900' girder span. Total 550,000 Sqft of steel to be blasted to SSPC-10 and coated using three coat system of Organic Zinc, Epoxy and Urethane supplied by PPG industries. Responsible for all Rigging containment

inspection, coating inspections, Traffic control on Three Phase lane closer set up and all necessary paper work Required by WVDOH along with computer entrees, pay estimates and daily reports.

2009-2010 Statewide Coatings Inspection, 8/23/2010 - 10/31/2010 – Macomber Truss Bridge.

Inspector provided project specification supervision as well as all production related quality assurance inspections. Included was Rigging, Containment, Traffic Control, Hazardous Waste Containment, Collection and Storage and Ambient Air Monitoring. Inspector provided inspection services for all production aspects of the clean and paint project. Project consisted of an abrasive blast cleaned to an SSPC SP-10 (Near White) blast. A two-coat paint system was used with organic zinc as the prime coat and a high-build acrylic finish coat. All structural steel and defined concrete areas were washed with Chlorid, a salt remover, before any blast cleaning or painting was done. Inspector provided inspection of each phase of production and ensured that all applicable test were done and recorded and each phase was done according to all applicable standards and specifications.

2009/2010 Statewide Coatings Inspection Cheat Lake Bridge, Morgantown, WV.

Inspector provided coating inspection services under the 2010 WVDOH Statewide Coating Contract. The bridge was constructed in 1976 and spans Cheat Lake in Morgantown, WV and is 1,964. The bridge is a simple under truss with around 600,000 sqft. of steel to be cleaned and painted. The project included a complete clean and paint of the main span. Surface preparation was a SSPC-SP10 blast with full containment for lead removal. The coating system selected by the WVDOH utilized a three part system of organic zinc and a two coat of water based acrylic coating. Project also included bolt replacement of eroded bolts from corrosion areas along with changing of high strength bolts in main weight distributed areas. The project included inspection of the contractors rigging, containment, bolt replacement, air monitoring, traffic control, and cleaning and painting procedures.

2009/2010 Statewide WVDOH Route 30 Jennings Randolph Bridge, Chester, WV.

Inspection of cleaning and coating of the Route 30 Trestle Bridge. Project consists of setup of full containment for clean and paint. Maintain traffic control with shut

Donavon Cunningham

Construction Inspector

down of outside lanes for duration of job. Inspection of cleaning and painting of existing steel bridge coated with lead base paint. Washing of bridge with Chlor-rid for removal of soluble salt. Inspection of blast cleaning on main trestle and all joints using SSPC-SP10. Inspection of painting using three coat system, zinc rich primer, intermediate coat and urethane top coat by Cardoline, and record keeping of daily inspection using all proper WVDOH State Paperwork.

WVDOH, 36th Street Bridge Recoating, Charleston, West Virginia.

Provided coating inspection for recoat of 36th street bridge, crossing the Kanawha River. Inspection included proper removal of existing coating, proper application of new coating, proper containment over the work site, all HAZMAT material is properly contained and disposed of. All inspection performed complied with the WVDOH coating specifications.

Morgantown Utilities Board (MUB) Burroughs Run/Poconoe Run Waterways Improvement Project, Morgantown, WV.

Provided inspection and quality assurance for storm water improvements, stream restoration and sanitary sewer installation improvements. Inspection included installation of 5,800 linear feet of sanitary sewer line, 2,200 linear feet of storm sewer line, 11,000 linear feet of channel restoration, construction of seven precast arch bridge crossings, and installation of 1,000 linear feet of precast box culverts for flow control of waterway. Quality assurance included field testing on concrete footers, wing walls, and culverts. Compaction testing was performed on backfill, stream bank restoration, and asphalt paving. Inspector also serves as a liaison between the contractor and MUB, conducting on site observation of the work, observing tests, equipment and system set ups.

Lantz Ridge Manheim Road, West Virginia Division of Highways, Preston County, WV.

Instrument Person/Surveyor for mapping control, topographic survey, utility locations, right-of-way plan development, property research, and boundary control for new 2.1 mile roadway replacing CR 80 from Manheim to Rowlesburg.

Alpine Lake Water System Improvements Project, Alpine Lake Public Utilities Company, Alpine Lake, WV.

Inspector for a water system improvements and upgrade project for a 360-resident, 2000-acre private community. Services include providing preliminary engineering, and construction inspection for improvements and upgrades to the water treatment facilities, water booster pump

stations, water storage tanks, radio telemetry, and production well development.

City of Shinnston, Water Improvements Project, Shinnston, West Virginia.

Providing inspection services for installation of 73,000 linear feet of new water lines, booster pump stations, and fire hydrants and renovation and upgrading of the existing potable water treatment plant and construction of one new 88,000 gallon water storage tank and one new 276,000 gallon water storage tank with all necessary appurtenances.

A-E Services for Engineering Field Surveys and Related Surveying, U.S. Army Corps of Engineers, Huntington District.

Instrument Person/Surveyor for survey services to the Huntington District, consisting of the following: horizontal and vertical control surveys, HTRW surveys, structural deformation studies, route surveys, quantity surveys, land surveys, construction layout surveys, hydrographic surveys, geodetic surveys, and real property surveys of Government-owned land tracts, such as levees, reservoirs, or dredge disposal areas. Sample projects include: Topographic Design Surveys for Sulton Lake Fishing Area and Marlinton, West Virginia Floodwall Projects, Boundary Monumentation/Property Research in Grundy, Virginia, and Hydraulic Bridge Cross Sections for various structures along streams under USACE jurisdiction.

As-Needed Construction Surveying Services for WVDOH, Corridor H, West Virginia Department of Highways, Moorefield, Hardy County, WV.

Instrument Person/Surveyor for construction surveys for Corridor H, South Branch of the Potomac to East Dumpling Run Bridge. Under this contract, G&O is providing construction engineering and inspection services and as-needed surveying services for two bridges carrying the new Corridor H over U.S. 220 near Moorefield, WV. This project includes new highway and bridge construction, culvert replacements, roadway improvements, pavement overlays, or other various projects typical to road and bridge rehabilitation. Provided survey control, construction stakeout, Quality Assurance for survey field work performed by contractor.

Fairmont-Mannington Water Main Extension, City of Fairmont.

Instrument Person/Surveyor in charge of all surveying aspects 13-mile water main extension project including topographic and location surveys, survey and mapping control, property research and boundary control, and the preparation of right-of-way plats and descriptions suitable for recordation.

REFERENCES

The following references are given to provide insight on our quality of work and commitment to our clients.

Mr. Robert (Al) Bailey, Chairman
Preston County Public Service District #4
PO Box 370
Bruceeton Mills, WV 26525
304-379-3130

Mr. Gregg Smith, P.E.
West Virginia Department of Environmental Protection
209 South Main Street
Philippi, WV 26416
304-842-1900

Mr. Gene Saurborn, P.M.
West Virginia Conservation Agency
4720 Brenda Lane, Building Five
Charleston, WV 25305
304-367-2770

Ms. Nancy Seger, P.E.
Ohio Department of Natural Resources
Division of Mineral Resources Management
2045 Morse Rd. Building H-3
Columbus, OH 43229-6693
614-265-6633

Mr. Mike Steinmaus, Director
Monday Creek Restoration Project
P.O. Box 129
New Straitsville, OH 43766
740-394-2047

REQUIRED FORMS

The forms on the following pages are submitted in accordance with the requirements of the Expression of Interest for the Supervision, Inspection, and Overhead services for the Access Control Point located on Camp Dawson.

CERTIFICATION AND SIGNATURE PAGE

By signing below, I certify that I have reviewed this Solicitation in its entirety; understand the requirements, terms and conditions, and other information contained herein; that I am submitting this bid or proposal for review and consideration; that I am authorized by the bidder to execute this bid or any documents related thereto on bidder's behalf; that I am authorized to bind the bidder in a contractual relationship; and that to the best of my knowledge, the bidder has properly registered with any State agency that may require registration.

Stantec Consulting Services, Inc.

(Company)

(Authorized Signature)

Principal

(Representative Name, Title)

304-367-9401

304-367-9403

(Phone Number)

(Fax Number)

4/9/2013

(Date)

STATE OF WEST VIRGINIA
Purchasing Division

PURCHASING AFFIDAVIT

MANDATE: Under W. Va. Code §5A-3-10a, 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: (1) the debt owed is an amount greater than one thousand dollars in the aggregate; or (2) the debtor is in employer default.

EXCEPTION: The prohibition listed above does not apply where a vendor has contested any tax administered pursuant to chapter eleven of the W. Va. 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.

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.

"Employer default" means having an outstanding balance or liability to the old fund or to the uninsured employers' fund or being in policy default, as defined in W. Va. Code § 23-2c-2, failure to maintain mandatory workers' compensation coverage, or failure to fully meet its obligations as a workers' compensation self-insured employer. An employer is not in employer default if it has entered into a repayment agreement with the Insurance Commissioner and remains in compliance with the obligations under the repayment agreement.

"Related party" means a party, whether an individual, corporation, partnership, association, limited liability company or any other form or business association or other entity whatsoever, related to any vendor by blood, marriage, ownership or contract through which the party has a relationship of ownership or other interest with the vendor so that the party will actually or by effect receive or control a portion of the benefit, profit or other consideration from performance of a vendor contract with the party receiving an amount that meets or exceeds five percent of the total contract amount.

AFFIRMATION: By signing this form, the vendor's authorized signer affirms and acknowledges under penalty of law for false swearing (W. Va. Code §81-5-3) that neither vendor nor any related party owe a debt as defined above and that neither vendor nor any related party are in employer default as defined above, unless the debt or employer default is permitted under the exception above.

WITNESS THE FOLLOWING SIGNATURE:

Vendor's Name: Stantec Consulting Services, Inc.

Authorized Signature: [Signature] Date: 4/9/2013

State of West Virginia

County of Marion, to-wit:

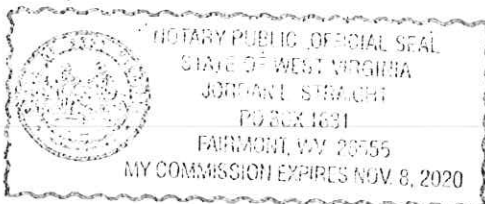
Taken, subscribed, and sworn to before me this 9th day of April, 2013.

My Commission expires Nov 8, 2020

AFFIX SEAL HERE

NOTARY PUBLIC

[Signature]
Purchasing Affidavit (Revised 07/01/2012)



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, 2012 – June 30, 2013

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

WEST VIRGINIA
BOARD OF PROFESSIONAL SURVEYORS

Certificate of Authorization

ISSUED TO:

**STANTEC CONSULTING
SERVICES, INC.
(Buckhannon, WV)**

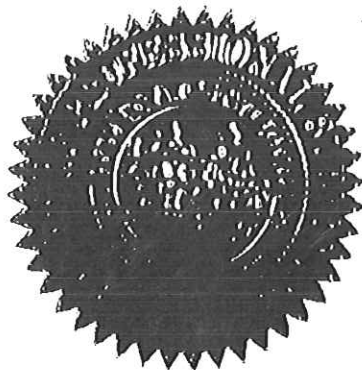
CERTIFICATE OF AUTHORIZATION No. **13-5694**

This certificate is issued by
the West Virginia Board of Professional Surveyors
in accordance with *West Virginia Code § 30-13A-20*

The person or organization identified on this certificate is licensed to
conduct professional surveying and mapping services
in the State of West Virginia for the period
January 1, 2013 through December 31, 2013

This certificate is not transferrable and must be displayed at the location for which issued.

In witness whereof I have put my hand,
this 12th day of December, 2012



A handwritten signature in black ink, appearing to read "Roy E. Shrewsbury, II".

ROY E. SHREWSBURY, II, Chairman

A handwritten signature in black ink, appearing to read "Nelson B. Douglass".

NELSON B. DOUGLASS, Secretary