Michael Baker Jr., Inc.
A Unit of Michael Baker Corporation

5088 West Washington Street
Second Floor
Charleston, WV 25313

304.769.0821 Phone
304.769.0822 Fax

May 8, 2014

Ms. Tara Lyle
State of WV Department of Administration
Purchasing Division
2019 Washington Street East
Charleston, West Virginia 25305-0130

RE: Expression of Interest to provide Architectural and Engineering Services DEFK14029 – Exterior Renovations at the Joint Forces Headquarters Building Charleston, West Virginia

Dear Ms. Lyle:

Michael Baker Jr., Inc. (Baker) is pleased to present our qualifications and experience as they relate to the above referenced project for the West Virginia Army National Guard. During your review of the enclosed information, you will see that Baker has completed or is currently working on project assignments which are very similar in nature to the above referenced project.

Baker is a national consulting firm of some 6,000 members in over 90 office locations and vast DOD experience with all branches of the military. We propose to manage this assignment from our Charleston office which employs over 30 individuals including architects, engineers, landscape architects, planners, surveyors, environmental specialists, and technicians.

We feel that our combination of DOD expertise, regional experience and close proximity is unique to Baker and will provide efficient, timely, personal, cost effective, and quality solutions for the West Virginia Army National Guard and the Construction and Facilities Management Office.

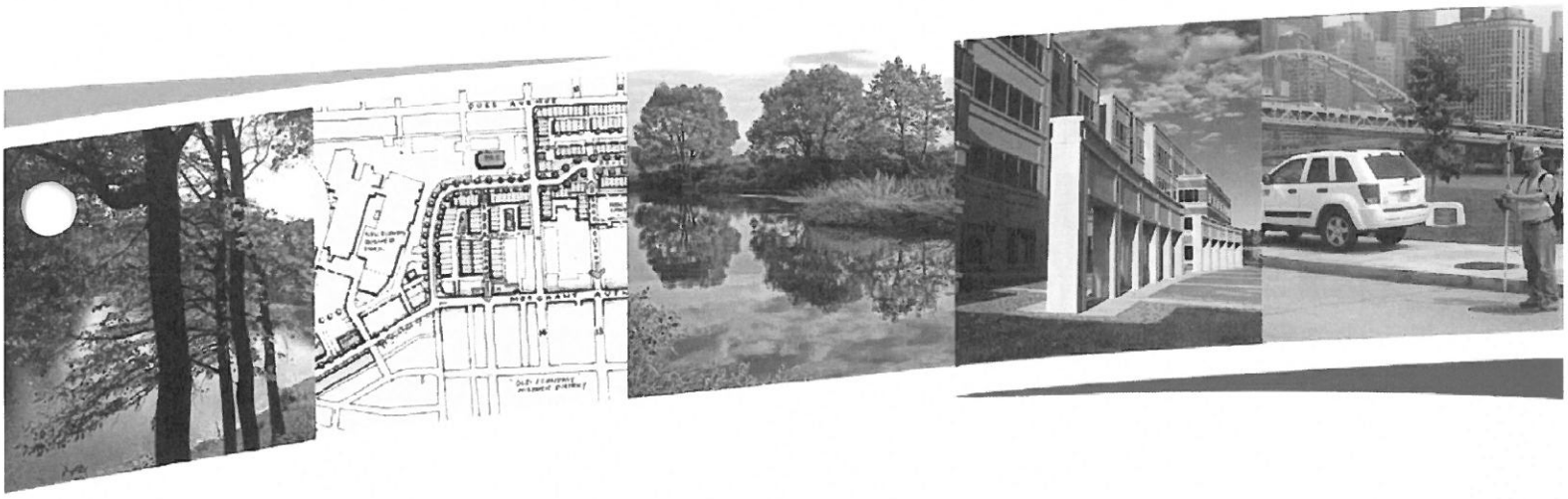
We would welcome the opportunity to personally present our qualifications and proposed approach for this important project. Should you have any questions or require additional information, please contact me at (304) 769-0821 or by e-mail at pfogarty@mbakercorp.com.

Very truly yours,

Michael Baker Jr., Inc.

Patrick W. Fogarty, P.E., P.S., LEED®GA
Practice Manager

Enclosure



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Part 1 – Introduction

The Construction and Facilities Management Office, West Virginia Army National Guard is seeking a highly qualified firm experienced in program management, planning, design, and construction administration to provide A/E services for exterior renovations at the Joint Forces Headquarters Building in Charleston, WV. Michael Baker Jr., Inc. (Baker) is a highly qualified firm with extensive experience in providing these services, and we are extremely interested in continuing our professional relationship with the West Virginia Army National Guard (WVArNG).

". . . we are extremely interested in continuing our professional relationship with the WVArNG."

Corporate Capabilities

Baker is a wholly owned subsidiary of Michael Baker International, employs over 6,000 people in 90 offices world-wide, and ranks in the top 10% of the nation's top 500 engineering firms. Baker provides consulting, engineering, architecture, operations, and technical services worldwide. The firm has a national practice with over 50 offices throughout the U.S. from which to serve clients nationally. Our multi-national architectural/engineering services result in over $400M gross revenue per year. Since our founding in 1940, Baker has compiled an outstanding record of transportation engineering design achievements including more than 1,000 bridges of every description and over 100,000 miles of roadway. We are committed to using computer technology and provide services in the areas of Facilities Design, Water Resources, Environmental Science and Permitting, Geographic Information Systems, GPS and Field Data Collection, Infrastructure Management, Database Development, Computer Programming, and CADD.

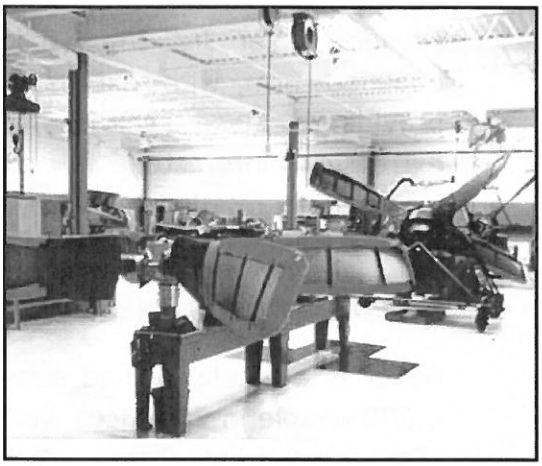
Design/Build of U.S. Army Reserve Training and Maintenance Center, Wheeling, WV

Baker has extensive resources and the required qualifications to provide planning and design services for the WVArNG for this important project. We have nationally recognized experts with the technical experience necessary for this assignment.

In addition, Baker's team of experienced professionals have an established record of delivering quality work products to our clients, on schedule and within budget.

In summary, Baker's staff can provide documentation of our extensive experience in the following areas for this project:

- Nationally recognized expertise in Program Management Assignments
- Facilities (Buildings, Access, Parking, Site Development) Plan Preparation
- Interior Design/Space Planning
- Construction Administration and Construction Monitoring
- Coordination with State and Federal Agencies, as required



Aircraft Engine Inspection and Repair Shop, WV Air National Guard

Baker's Charleston office is a "single-stop resource" capable of providing comprehensive professional services, from environmental planning, final design, and construction management through operational support. From major new building facilities, bridges and roadway designs, to surface mine permitting, aviation, and water resource projects, Baker has evolved into one of the leading engineering and energy services firms by consistently providing targeted solutions for its clients most complex challenges.

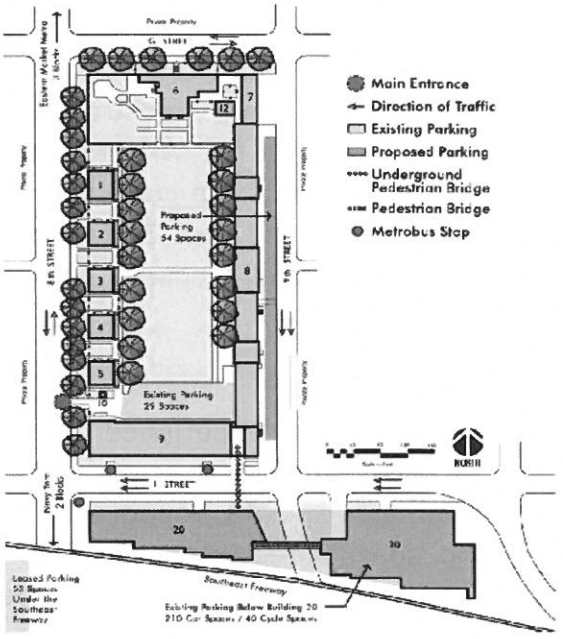
Baker's clients for site development projects include, but are not limited to, counties, parishes, cities, townships, local municipalities, state departments of transportation, military facilities, airport complexes, and private sector clients. Baker's geographic location and extensive experience enables us to quickly respond to wide-ranging scopes of service in order to meet our client's needs.

U.S. Army Reserve Readiness Training Center, OMS/AMSA, Wheeling, WV

Part 2 – Qualifications

Baker routinely provides architectural/engineering services and project management for the design of new buildings as well as upgrades to existing facilities, and the associated construction oversight when required. Project assignments have included headquarters facilities, maintenance facilities, garage facilities, medical facilities, emergency services facilities, and office buildings. Services for these assignments have included planning, surveying, mapping, right of way services, geotechnical design, architecture, interior design, civil, mechanical, electrical, plumbing and structural engineering, public safety programming, permitting and cost estimating. Specific project elements have included, architecture, landscaping, retainage structures, access road design, utility adjustment/relocation, storm drainage, water, and sewer connections, site design, parking, fire protection design, pump stations, electrical duct banks, gas mains, fiber optic communication systems, and corrosion control systems, HVAC design, oil/water separators, and security systems.

- Program Management
- Conceptual Planning
- Design Charrettes
- Coordination and Public Involvement
- Sub-surface Investigation
- Land Development Planning
- Building Facility Siting
- Architecture and MEP
- Screening and Noise Abatement
- Landscape Architecture
- Permitting
- Construction Cost Estimating
- Right of Way and Easements
- Pre-Bid Meeting
- Bidding and Contracting
- Construction Inspection Services



Naval Facilities Planning, Chesapeake, Virginia

In addition, and of particular importance to this project, Baker is committed to sustainable design and the reuse of recycled materials on all projects with client approval. We have numerous LEED® accredited professionals on staff who are completely familiar with the five elements of the LEED GB Rating System.

Part 3 – Technical Expertise

Baker can offer the WVArNG proven experience in the following Professional Services consistent with the requirements of projects of the type identified in your Request for Proposals. These services are performed ***The Baker Way*** which means that our client benefits from the streamlined internal process of Project Management, Communication, Quality Assurance and Project Delivery.

". . . which means that our client benefits from the streamlined internal process of Project Management, Communication, Quality Assurance and Project Delivery."

Preliminary Planning and Costs

During this phase, Baker proposes to prepare a Preliminary Engineering Report, Concept Plan, and Opinion of Probable Construction Cost. These documents will detail the individual elements required for the engineering, public safety, environmental and permitting issues associated with the proposed improvements.

Members of our Charleston office have recently completed both Design Development and Construction Document submissions for local clients in accordance with the WVArNG, and other local development agency requirements. These documents are currently awaiting the Bidding and Construction phases of the project. Detailed Cost Estimates for Construction, Operation and Maintenance, and Engineering are prepared and included in the Preliminary Engineering Report submittals.

Plans and Specifications Preparation

Baker has vast experience in the development of construction plans, details, and technical specifications for all types of architectural and engineering projects. Initial survey data, topography, and physical features are collected electronically and downloaded into our CADD system for use by the designers. Plan and/or Profile sheets are then developed. Detail Sheets are created from our Detail Library then modified to suit specific project applications. Specifications are created from our Master Spec Library and tailored to meet individual project requirements.

During the project design phase, Baker routinely prepares permit applications for public and private clients. We have recently been involved in this process for other clients.

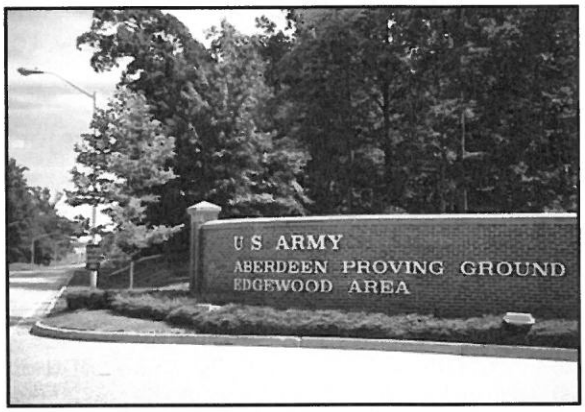
We have established relationships with the permitting agencies which will streamline the permit acquisition process.

Construction Administrative Services

Baker is well equipped to provide the administration and inspection of construction projects. Pre-Construction and regular job-site meetings, as well as shop drawing review, requests for information, pay requests and all other construction-related correspondence will be the responsibility of the Project Manager.

Resident inspection services (if required) will be conducted by Baker technicians or staff engineers trained in construction practices and certified, as required, for the particular type of installation. Constant communication between field and office is essential and will be achieved via cellular telephone, internet access, and facsimile.

National Guard Bureau IDIQ, Design/Build RFQ/RFP Development for Statewide Construction Program, Pennsylvania



US Army Corps of Engineers, Baltimore District Aberdeen Proving Ground, Maryland

Part 4 – Management and Staffing Capabilities

The management approach for this assignment will follow ***The Baker Way*** which is the clearly defined and scalable internal process by which all projects are managed throughout Baker. This process requires administrative training for all Project Managers. This training module is known as ***Baker BEST*** (Business Enterprise Systems Training) and includes project setup, delivery, and billing modules.

Through better organization, tools and methods to monitor budgets, an emphasis on communication, and a structured approach to delivering quality; ***The Baker Way*** clearly provides considerable value to our clients.

Baker's Charleston office possesses a large and diverse engineering, architectural, and environmental planning staff. Baker's proposed team of experienced professionals has demonstrated the ability to deliver quality work products to our clients, on-time and within budget. Baker can provide the entire depth of services necessary to complete the project without the need for costly sub-consultants.

Each individual on this project team has extensive experience in their field of expertise and have demonstrated success on projects of similar size and scope. The following provides a brief discussion of each team member's experience base relevant to this project.

As Principal-In-Charge, **Russell Hall, PE, PS,** will ensure that all required resources including staff and equipment are available to the project manager to execute the project successfully. Mr. Hall has over 26 years of experience in transportation engineering working in both the government and private sectors. Mr. Hall has been responsible for the design and management of multiple transportation projects of varying size and complexity. His experience, understanding of project delivery and dedication to client satisfaction will guide this project.

Patrick W. Fogarty, PE, PS, LEED®GA, is the Facilities Practice Manager. Mr. Fogarty has over 27 years of experience with civil engineering projects of various size and levels of complexity. Mr. Fogarty will ensure that quality deliverables are submitted according to project schedule and within budget. Some of his notable projects that are directly related to the current proposed project are as follows:

- Camp Dawson Improvements, State Armory Board for West Virginia
    - Training Set Fire Observation Facility
    - Ammo Supply Point
    - Fuel Supply Point

- Vehicle Storage Area Renovation

- 130th Airlift Wing, West Virginia Air National Guard
  - Aircraft Parking Apron Expansion
  - Squadron Operations Facility
  - Project 2000 Base Facilities Relocation
- Shop/Motor Pool Renovations, Barbour Amory
- Maintenance Shop and Parking Area Renovations, Clarksburg Armory
- Storm Water Management Planning, Eleanor Armory
- Construction Administration, Coonskin Park Maintenance Facility

Ron L. Bolen, AIA, LEED®AP, will serve as Project Manager. Mr. Bolen brings over 37 years of diverse experience including both new construction and retro-fit. Some of Mr. Bolen's directly related experience is as follows:

- Charleston Armory Headquarters HVAC and Architectural Improvements, WVArNG, Charleston, WV,
- Coonskin Park Maintenance Facility, WVArNG, Charleston, WV,
- Camp Atterbury, Indiana, Miscellaneous Building and Site Improvements, and
- Glen Jean Armory Design, Fayette County, WV.

David J. Hilliard, PE, LEED®AP, will provide the mechanical/electrical design for the project. Mr. Hilliard has over 24 years of experience in the design, manufacture and installation of HVAC, plumbing and lighting systems. Some of his notable projects include:

- Charleston Armory Headquarters HVAC and Architectural Improvements, WVArNG, Charleston, WV,
- Coonskin Park Maintenance Facility, WVArNG, Charleston, WV,
- Tobyanna Army Depot IDIQ HVAC design, Tobyhanna, Pa, and
- WV Division of Transit, Little Kanawha Bus Facility lighting, HVAC and Plumbing design, Mt. Zion, WV

Alana S. Pulay, RID, LEED® AP, will provide space planning and interior design and space planning services. Ms. Pulay has provided these services for educational, military, commercial, and residential clients for the past 12 years.

Part 5 – Project Outline

Project Understanding

The WVArNG C&FMO desires to renovate the exterior portion of the existing JFHQ Facility in Charleston, West Virginia. These renovations may include building cladding, doors and windows. The building renovations must comply with or exceed OSHA safety regulations. The design must also comply with the Department of Defense - Unified Facilities Criteria (UFC), Anti-Terrorism Force Protection standards and other appropriate codes.

Technical Approach

Pre-Design Planning

During this phase Baker will collect all available data including record drawings, site plans, etc. We will also have discussions with the WVArNG's selected groups for goals, aspirations, budget constraints and timelines. We will work with the WVArNG and the end users to develop the basic program and all other functional elements.

Preliminary Plans and Costs

Once all programming data has been acquired, we will work with the WVArNG to develop conceptual layouts for the retrofit. These documents will describe the individual elements required including cut sheets for the proposed improvements. Preliminary Cost Estimates for Construction will be prepared and included in the 10% submittal.

Design Development Documents

Once concepts and equipment have been approved by the WVArNG, Baker will prepare the Design Development Plans and Specifications for client review. A 30% Design Submittal of the construction documents will also be prepared for review and approval.

Plan and Specification Preparation

Upon receipt of comments from the Design Development submittal, Baker will finalize the construction plans, technical specifications, bid documents, final construction estimates, and any necessary constructions permit applications. Initial survey data, building measurements, and physical features are collected electronically and downloaded into our CADD system for use by the designers. Detail Sheets are created from our Detail Library then modified to suit specific project applications. Specifications are created from our Master Spec Library and tailored to meet individual project requirements.

Baker will make use of A.I.A. bidding and contracting documents, as normally dictated by the Client.

Project Bid Evaluation

During this phase, if needed, Baker will conduct the Pre-Bid Conference, answer any technical questions, and provide clarifications for the preparation of any necessary Addenda. Bids will be scrutinized by the Baker Project Manager and the WVArNG prior to recommendation of contract award.

Construction Administration and Inspection

Baker is well equipped to provide the administration and inspection of construction projects. Construction administration services may consist of shop drawing review, processing requests for information, monitoring construction progress, conducting construction meetings, processing payment applications, and Davis-Bacon compliance interviews.

Project Closeout

Baker will develop the final punch list for incomplete work. Once these items and final testing and balancing have been completed, we will coordinate a final walk through inspection with representatives of the WVArNG and the Contractor to ensure that improvements complete and the buildings are in a clean condition prior to releasing the Contractor.

The one-year warranty period will commence at that time. The WVArNG will be urged to contact the Baker Project Manager during that time should any problems arise. We will promptly respond with a confirmation site visit and follow-up with the Contractor to ensure compliance.

Part 6 – Related Prior Experience

The following Project Descriptions illustrate Baker's related prior experience. We have included examples of facilities used for emergency services, maintenance, training, parking and support functions for both military and civilian clients at various locations across the nation. Many of these projects are LEED® and/or SPiRiT (Sustainable Project Rating Tool) rated. We believe these projects show the depth of our expertise in all aspects of engineering and architecture. While we propose to conduct activities from our West Virginia operation, these diverse project locations are meant to emphasis our ***One Baker*** philosophy, which simply means that the WVArNG will have access to the human resources, expertise, and technology of all Baker locations as particular needs arise.

"...the WVArNG will have access to the human resources, expertise, and technology of all Baker locations should the need arise."

Mr. Ron Bolen, our proposed project manager, has provided program management services on architectural/engineering projects in West Virginia for the past 37 years. His experience includes numerous military facilities as well as medical, educational, commercial, and industrial facilities with elements similar to those which will be required for this project.

In addition to this project experience, members of Baker's Charleston office have established relationships with the numerous funding and regulatory agencies including:

- West Virginia State Fire Marshal
- West Virginia Bureau for Public Health
- USDA Rural Utility Service
- US Department of Commerce E.D.A.
- US Environmental Protection Agency
- WV Department of Environmental Protection
- WV Department of Transportation / Division of Highways

WVARNG Charleston Armory HVAC & Architectural Renovations

Charleston, West Virginia

The existing building/facility started as the Coonskin Armory constructed in 1961. The Headquarters Building was constructed simultaneously with the Coonskin Armory and occupied the second floor. Also in 1961, as a separate structure, the Adjutant General's Wing (TAG Wing) was constructed nearby. Later, in 1984 the Coonskin Armory/Headquarters Building was physically connected to the TAG Wing with an area of administrative offices. This final major construction project connected all the buildings into one major facility of over 50,000 square feet, referred to as the Charleston Armory.

Client
West Virginia Army National Guard
Division of Engineering and Facilities
1703 Coonskin Drive
Charleston, WV 25311-1085

Major Michael J. Beckner
Armory Facilities Manager
304-561-6333

Completion Date
Estimated: Spring 2010

Project Costs
$2,990,000 (Estimated Construction)
$72,100 (Fee)

Baker's Role

- Planning
- Architecture
- Mechanical Engineering
- Civil Engineering
- CADD Drafting
- Bidding
- Construction Administration

The West Virginia Army National Guard (WVARNG) Construction and Facilities Management Office (C&FMO) requested a study be conducted of the consolidated facility known as the Charleston Armory, to consider such items as the condition of existing HVAC/MEP systems, and proposed improvements or upgrades to those systems; examine the existing building envelope and recommend possible improvements to the envelope; and finally, investigate the requirements of LEED-certification as it relates to existing buildings.

Baker offered six potential solutions for the facility's HVAC issues in the Planning Study Report. During the review of the six solutions, Baker to understand the Owner's needs and expectations and the level of disruption they would allow. These factors were considered in the final system selection. Preliminary discussions quickly reduced the six considered solutions to two systems: a four pipe hot water/chilled water system and a loop pipe water source heat pump system. Finally, with fewer pipes and a lower installation cost, the loop pipe water source heat pump system was selected as the best system for this situation.

The water source heat pump system is modular and duct work is much smaller than other systems. Heat can be moved around the building such that the equipment would not energize during certain outside air conditions. By treating the building as one, as opposed to three, there is a greater opportunity to share energy produced by the office equipment and occupants located within the building during off peak hours.

Task 0007, Combat Support Hospital and Dental Clinic Contingency Design Standards

CENTCOM Area of Responsibility, Worldwide

Baker and its subconsultant, IKM Architects Inc., provided planning, architectural, and engineering services for the conceptual design of a Combat Support Hospital and final design for a Dental Clinic for use anywhere in the CENTCOM Area of Responsibility. The designs were completed on a fast-track schedule and serve as standardized facilities for use during contingency operations. To the extent possible, the construction methods and materials are suitable and readily available for construction in the Middle East and Africa.

Client
U.S. Army Corps of Engineers,
Middle East District (formerly TAC)
TransAtlantic Division
P.O. Box 2250
Winchester, VA 22604-1450

Robert Schaible, P.E.
Project/Program Manager
540-665-3652

Zenovia D. Wilcox
Project Manager
540-665-3785

Completion Date
2006

Project Costs
$669,320 (Fee)

Baker's Role
- Planning
- Architecture
- Mechanical Engineering
- Plumbing Engineering
- Fire Protection Engineering
- Electrical Engineering
- Structural Engineering

Combat Support Hospital
Conceptual design of the 8,209.9 square meter Combat Support Hospital was developed for a Level 3, 45-bed hospital that also included all required special use areas including Intensive Care Unit, Intermediate Care Ward, Surgical Suite, Central Material Services, and Emergency Room including Trauma, Radiology, Pharmacy, Laboratory, Outpatient Clinic, Patient Administration, Air Evacuation Tactical Operations Center, Orthopedics, Physical Therapy, Optometry, Respiratory Therapy, Logistics, and other Administrative support functions.

Supporting facilities included electrical distribution, transformers, switchgear, water and sewage distribution systems, and mechanical systems. Other supporting facility features include roads, drainage, parking, and a helipad. Anti-Terrorism/Force Protection (AT/FP) measures involved interpretation and use of established AT/FP criteria. This process included locating appropriate buffers for facilities within installations under contingency standards, protection of indoor air intakes, and hardening of windows and walls as required. Furniture and equipment plans were developed to ensure accurate sizing of functional spaces.

Dental Clinic
Final design of the 627.9-square-meter Dental Clinic was developed for a minimum of four Chair Exam Rooms with associated amenities such as a main lobby, waiting area, nurse's station, files room, storage, laboratory, two doctor's offices, and other functional areas required to make the clinic a fully functional facility.

The primary building envelopes for both the Combat Support Hospital and the Dental Clinic are concrete framed with painted CMU infill walls. Design documents included floor plans, elevations, building sections, associated schedules, details, furniture plans, and scheduled and associated mechanical, electrical, and plumbing plans.

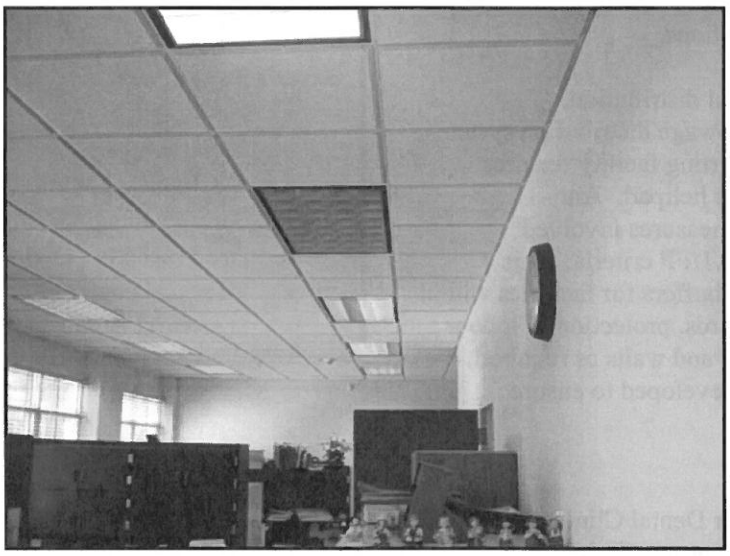
TAG Wing Renovations

Charleston, West Virginia

The State Army National Guard Headquarters in Charleston, West Virginia was originally constructed in the early 1960's. Over the years, there have been numerous upgrades to the facility. Baker was selected by the Division of Engineering and Facilities to provide complete design and construction administration services for the renovation of the first floor of the entire wing of the Office of the Adjutant General (TAG).

Baker worked closely with the Client during the planning phase to define a project scope that would upgrade the existing facility in a fashion consistent with previous renovations and within a limited budget.

Project elements included new acoustical ceilings, flooring, energy-saving light fixtures, duplex outlets, communications jacks, several new wall partitions, exterior door replacements, new interior doors and hardware, new wall finishes and asbestos removal.



Client
West Virginia Army National Guard
Division of Engineering and Facilities
1703 Coonskin Drive
Charleston, WV 25311-1085

Major Michael J. Beckner
Armory Facilities Manager
304-561-6333

Completion Date
2011

Project Costs
$225,000 (Estimated Construction)
$25,500 (Fee)

Baker's Role

- Planning
- Interior Design
- Asbestos Abatement
- Civil Engineering
- CADD Drafting
- Bidding
- Construction Administration

U.S. Army Reserve Center OMS/AMSA/STRG

North Canton, Ohio

The U.S. Army Reserve required a Training Center and Organizational Maintenance Shop/Area Maintenance Support Activity (OMS/AMSA) facility for the 88Reserve Support Command in North Canton, Ohio. The complex was to be of design-award-winning caliber as well as functional, durable, and easy to maintain while being sensitive to first costs, operating costs, and aesthetics. The 88th RSC includes the following units:

- 416th FETDA
- 192nd Company Petro Supply
- 762nd Transportation Company
- 758th Maintenance
- 256th CSH Hub Detachment 2
- 79th QM Company Detachment 2
- 447th MP Company
- AMSA 3-Canal Fulton

Approximately 400 reservists will work and train in the new facility. The Army Reserves units are currently housed in three government-owned facilities, two leased facilities, and one facility on leased land. The new complex will reduce operational costs to the government while significantly improving unit readiness and mobilization, and will increase the proficiency of service members.

This 61,344-gross-square-foot Training Center and OMS/AMSA comprise a one-story L-shaped building with a two-story element at the connection of two wings. Clerestory translucent panels were used in the maintenance bays and unit storage areas to allow the opportunity for daylighting and design expression.

The Training Center portion of the building houses offices and administrative spaces, caged unit storage, classrooms, library, learning center, physical readiness, engagement skills trainer, COMSEC training room, arms vault and armory's room, assembly hall, kitchen, toilets, lockers, showers, and building support functions.

The OMS/AMSA portion of the building houses office and administrative areas, tool and parts storage, 10 work bays, one welding bay,

Client
U.S. Army Corps of Engineers,
Louisville District
Room 821
600 Dr. Martin Luther King, Jr. Place
Louisville, KY 40201-0059

Joseph Gates
Project Manager
502-315-6849

Mary Ann Just
Project Engineer
502-315-6365

Completion Date
2006

Project Costs
$11,051,699 (Construction)

Baker's Role
- Design/Build Delivery
- Architecture
- Architectural Renderings
- Mechanical Engineering
- Fire Protection and Plumbing Engineering
- Electrical Engineering
- Structural Engineering
- Site/Civil Engineering

controlled and flammable storage, wash bay, and building support functions. One drive-through bay is serviced by an overhead traveling crane.

The project also included paving design for on-site parking and storage for 238 military vehicles, including Hum-V's and trailers, along with 150 spaces for privately-owned vehicles. Additional on-site storage is provided by an unheated storage building, a long narrow pre-engineered metal building with two small enclosed spaces for the storage of fittings. The remainder of the building is open on one side and used for the storage of fuel bladders.

Design Charrette

An on-site design charrette kicked off the project and included all project stakeholders: the U.S. Army Reserves, the U.S. Army Corps of Engineers, and the design/build team members. The project's conceptual design was jointly developed, carrying forward and further developing the design intent established in an earlier phase.

The new energy-efficient facility was designed to achieve a Silver SPiRiT Rating for sustainability. Design considerations include water-efficient landscaping, use of recycled and sound-absorbing building materials, collection and storage area to accommodate a recycling program, and an overall design that will accommodate other potential building uses into the future.

The Design/Build Team

Baker teamed with New Era Builders, Inc. and Mascaro Construction Company for this design/build project, providing the architectural and engineering design services from 35% documents through construction.

Project Features

- Project improves mission readiness for the 88th RRC unit of the U.S. Army Reserve.
- Project provides modern and convenient training and maintenance facilities for the 88th RRC unit of the U.S. Army Reserve.
- Designed for the Silver SPiRiT sustainable rating.

U.S. Army Reserve Center OMS/AMSA/STRG

Greenville, SC

Baker designed a replacement structure for the 1st Thomas Kukowski Army Reserve Center (Kukowski ARC) in Greenville, South Carolina. The facility, built in 1975, was determined to be in poor condition and didn't meet the minimum Department of Defense anti-terrorism/force protection standoff distance requirements for a primary gathering place, rendering the structure inadequate for expansion. Plans included demolishing the older facility and replacing it with a new 88,500-square-foot multi-story Training Center and Organized Maintenance Shop/ Area Maintenance Support Activity (OMS/AMSA), and Unheated Storage (STRG) to accommodate 600 reservists from the consolidation of the Kukowski ARC and two other ARCs.

The new permanent structures were designed with structural steel frames, masonry veneer exterior walls, and standing seam metal roofs. The project includes design of the HVAC mechanical, plumbing, fire suppression, electrical, and security systems, and has energy-efficient lighting, and automated building HVAC and lighting system controls. The Training Center and OMS/AMSA is equipped with a fire suppression sprinkling system. Interior design services are to follow furniture procurement package requirements for Army Reserve Centers, using the USAR Furniture Design Guide and USAR Furniture Standards Knoll Product Criteria.

Supporting facilities include site preparation, stormwater management plan, paving, fencing, security lighting, site signage, wash racks, storm drainage, and extension of utilities. Force protection measures were incorporated by using the maximum feasible standoff distances from roads, parking areas, and vehicle unloading areas.

Although asbestos and lead dust surveys had previously been performed by the government, Baker's state-accredited inspectors and environmental engineers took samples of suspected asbestos containing materials for testing at a NVLAP-accredited laboratory. An on-site inspection was also performed to identify potential PCB-containing equipment (e.g., transformers, light ballasts) to identify the extent of on-site hazardous materials requiring proper removal and disposal prior to demolition.

This project is a Task Order under an Indefinite Delivery

Client
U.S. Army Corps of Engineers,
Louisville District
Room 821
600 Dr. Martin Luther King, Jr. Place
Louisville, KY 40201-0059

Mary Ann Just
Project Engineer
502-315-6365

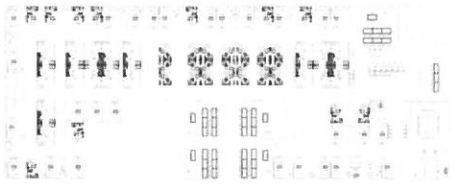
Completion Date
2005

Project Costs
$13,813,700 (Est. Construction)
$1,338,640 (Fee)

Baker's Role

- Planning
- Design Charrette
- Site/Civil Engineering
- Hydraulics and Hydrology
- Stormwater Management
- Erosion and Sedimentation Control
- Permitting
- Utility Investigations/ Relocation Design
- Geotechnical Engineering
- Anti-Terrorism/Force Protection
- Architecture
- Life Safety and ADA Compliance
- Structural Engineering
- Mechanical Engineering
- Plumbing Engineering
- Fire Protection Engineering
- Electrical Engineering
- Environmental Engineering
- Scheduling

Indefinite Quantity Contract with the Louisville District, U.S. Army Corps of Engineers. Professional services range from conducting a design charrette to preparing construction bid documents, to performing construction administration. A complete design, including plans and specifications that meet a Gold SPiRiT rating, seismic analysis, bid schedule, an order of work clause, construction contractor submittal register, quantity and cost estimates, M-CACES construction cost estimates, proposed construction schedule, design analysis and calculations, design documentation report, and engineering considerations and instructions reports, as well as preparation of DD Form 1354 (Transfer of Real Property) are components of this project.

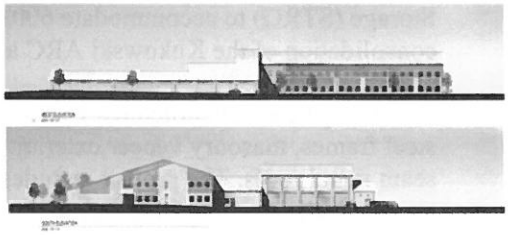


Project Features

Training Center is 67,000 square feet.

Organized Maintenance Shop is 18,000 square feet.

Unheated Storage Facility is 3,500 square feet.



Building designs comply with Department of Defense Uniform Facilities Criteria and the Design Guide for U.S. Army Reserve Facilities, UFC 4-171-05, dated November 2003.

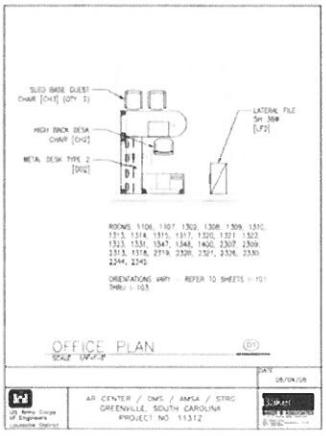
- UFC 1-200-1 Design: General Building Requirements (provides guidance for the use of model building codes for design and construction of DoD facilities)

- Public Law 104-113, National Technology Transfer and Advancement Act of 1995 requires Federal use of private sector consensus standards wherever practicable. The goal of the law is to reduce reliance on Federal standards by using industry standards when there is potential to simplify contracting, increase timeliness and cost effectiveness, and promote the safety and welfare of users

- The Louisville District Design Guide (LDDG)

- An important guidance document for doing business with the Louisville District and contains technical information, detailed requirements, and quality expectations supplemental

- Federal, state, and industry standards



Software that was used on project:

- SPECSINTACT
- M-CACES
- CADD Software: MicroStation

Design/Build RFQ/RFP Development for Statewide Construction Program

PAARNG Stryker Brigade Combat Team, Statewide, PA

Under a National Guard Bureau IDIQ, Baker was selected by the United States Property and Fiscal Office for Pennsylvania (USPFO) and the Pennsylvania Army National Guard (PAARNG) to provide a series of defined and optional services for the development of Design/Build Requests for Proposals (RFPs) to support the PAARNG's 56th Brigade's conversion to a Stryker Brigade Combat Team (SBCT) for two sites, Erie and Philadelphia. Subsequently, Baker was selected for a "Stryker specific" indefinite delivery indefinite quantity (IDIQ) contract to support PAARNG's statewide Stryker transformation. In addition, Baker worked with the Pennsylvania Department of General Services (DGS) to create the program's Application for Qualification for potential design/build teams that wish to be considered for contracts under the program.

Client
US Property and Fiscal Office for Pennsylvania
PA Department of Military and Veteran Affairs
Building S 0-47, Fort Indiantown Gap
Annville, PA 17003-5003

Michael G. Koontz
Contracting Officer
717-861-8643

Completion Date
Estimated: 2007

Project Costs
$97,300,000 (Construction)
$3,933,188 (Fee)

Baker's Role

- Sustainable Design (SPiRiT/ LEED®)
- Architecture
- Civil Engineering
- Structural Engineering
- Mechanical, Plumbing, and Fire Protection Engineering
- Electrical Engineering
- Outline Drawings and Specifications
- Cost Estimating
- Scheduling
- RFQ Development
- Construction Management Support Services
- Land Development
- Permitting

The Stryker, first put into service in 2001, is the new lightweight tank with rubber tires that is designed for urban warfare maneuverability and portability to any place on Earth within 96 hours or less.

Baker's current work under the $167,000,000 statewide construction program includes the development of program and project-level design/build RFP documents for sites throughout the Commonwealth of Pennsylvania. Key program components include two building types: Readiness Centers for the training of SBCT Soldiers and Field Maintenance Shops for the maintenance and storage of a variety of military vehicles, including the Stryker military vehicle. The Readiness Centers consist of administrative offices, training centers, and conference facilities, with support spaces such as kitchens and dining areas. The Field Maintenance Shops consist of vehicle maintenance bays, storage facilities, and support spaces. The sustainable design goal is for each finished facility to qualify for a SPiRiT Gold sustainable design rating for FY 2006 and FY 2007, and meet an equivalent LEED® Silver Rating for FY 2008.

Baker's task orders include Design/Build RFP document development for structures at the following sites: Erie - a new Readiness Center and a new Field Maintenance Shop; Philadelphia - a new Readiness Center and Field Maintenance Shop; Elizabethtown - a new Readiness Center and a new Field Maintenance Shop; and Bradford and Huntingdon - new Readiness Centers.

Additionally, Baker is developing Design/Build RFP documents for the additions and alternations to Readiness Centers in Lewistown, Punxsutawney, Butler, Hanover, and Lebanon.

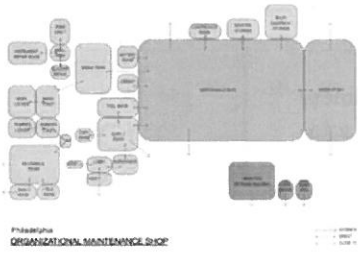
Baker's services include the following: site investigation, an on-site programming and design charrette for each site, significant architectural and structural engineering services, sustainable design focusing on the military's SPiRiT rating and LEED®, the development of outline specifications for multidiscipline engineering services in support of the design/build teams that will be selected later by the Pennsylvania DGS, "nearly complete" civil engineering and foundation design services, surveying and geotechnical engineering, land development, permitting, scheduling, cost estimating, and other related construction management support services.

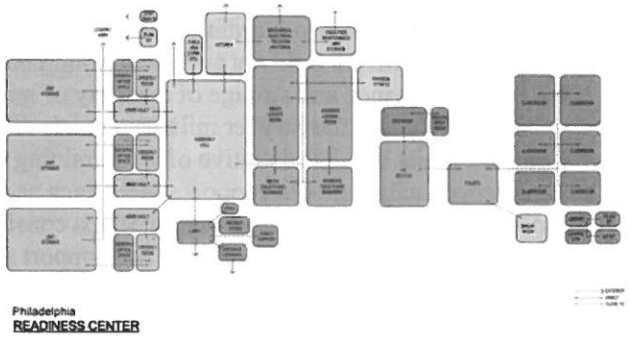
In 2005, Baker's architectural space layouts, engineering requirements, and certain equipment and material selection modules that were prepared for the statewide program were incorporated into the Army National Guard's Design Guides.

Baker will also support the USPFO, the PAARNG, and their state partner, the Pennsylvania DGS, during their selection of the design/build teams that will carry forward Baker's Project Definition Documents to completed buildings. As construction at the various Pennsylvania sites takes place, Baker also anticipates being contracted to provide construction management services to DGS.

Project Features

Special Requirements: Design new and renovation of existing facilities to current building codes standards with particular attention paid to Anti-terrorism & Force Protection, security and intrusion detection, sustainable design (SPiRiT and LEED®) all while working within limited budgets.





West Virginia State Capitol Restrooms Renovation and Restoration Project

Charleston, West Virginia

The West Virginia Capitol Building was constructed in the 1930's following the vision of Cass Gilbert, one of America's most significant architects of the first half of the 20th century. The Capitol Building represent his most mature work, as it was conceived and executed towards the end of his career and life. This multi-phased project will include the renovation / restoration of thirty two existing restrooms, keeping them in the "spirit " of Cass Gilbert's original design, while at the same time rendering them compliant with both the latest building codes and ADA accessibility standards.

Client
State of West Virginia
Department of Administration
General Services
Building 1, Room MB60
1900 Kanawha Blvd., East
Charleston, WV 25305-1023

Mr. Robert Krause, AIA, PE
304-558-9018

Completion Date
Estimated: 2012

Project Costs
$315,750 (Fee)

Baker's Role

- Planning
- Architectural restoration
- Architectural Services
- Engineering Services
- Construction Administration

Baker's tasks include preparation of a planning study, schematic design, architectural and engineering design, preparation of construction documents and specifications, cost estimating, contract administration, and construction administration. Phase I of the project entails a Planning Study which will be inclusive of the renovation/restoration of three of the existing thirty-two restrooms in the historic West Virginia Capitol Building.

The Planning Study is intended to assess the existing facility and its conformance to current code requirements and code required capacities, compliance with ADA requirements, quantification of the building occupancy (during normal and peak periods) and an evaluation of existing gender distribution of restrooms within the Capitol.

The Study will address in a more general manner the design framework for the renovation of

the selected restrooms, provide an overall project cost and propose a logical sequence of design, construction and schedule of implementation for the next three years.

The renovation/restoration of the three restrooms will include a short, combined, Schematic/Design Development Phase (5 weeks) followed by a (7 week) Construction Document Phase. We expect a four-month construction period within which we would expect this first phase of work to be completed.

Studies, Planning, and Design for Host Nations Programs

Afghanistan and Saudi Arabia

Through a series of Task Orders, Baker has provided the client with A/E planning and design related services to support a wide range of projects related to Host Nation Programs that the client is managing the planning, design, and construction elements for the Program sponsor(s). This support has been provided throughout the client's AOR. Highlighted in the following paragraphs are examples of Baker's support to TAC.

Client
U.S. Army Corps of Engineers,
Middle East District (formerly TAC)
TransAtlantic Division
P.O. Box 2250
Winchester, VA 22604-1450

Dave Worthington
A-E Contracts Manager
540-665-3775

Richard Dickson
AED Reach Back Program Manager
540-665-1250

Completion Date
2008

Project Costs
$3,794,892 (Fee)

Baker's Role
- Design Engineering
- Specifications
- Cost Engineering
- Planning and Programming Reports
- Engineering Studies
- Environmental Engineering
- Engineering Support Services
- Provide Services in the TAC AOR

AfghanistanNational Army Hospital Master Plan, Kabul. *DACA78-02-D-0007, TO 001.* Baker performed site surveys and building/infrastructure condition assessments for an aging Soviet-constructed hospital complex of 450,000 square feet in 14 buildings. With the assistance of local facilities staff who had existing drawings and specifications, as well as the information obtained from the assessments, Baker prepared Design-Build RFP documents including architectural plans and 3D drawings of the main facilities. Baker also provided scope and technical quality requirements for the complete renovation of the complex.

AfghanistanNational Army Planning and RFP Development, Afghanistan Engineer District (AED). *W912ER-05-D-0002, TO 0016.* Working in support of AED, Baker provided a master planning team to perform field surveys, planning, and design for solicitation documents for three design/build contracts for the Afghanistan National Army. Baker provided expertise in architecture and landscape architecture, electrical, civil, and structural engineering, and cost estimating services. The first project included gymnasiums, community centers, and other support facilities at nine ANA garrisons throughout Afghanistan, totaling approximately 35,000 square meters at approximately $92 million. The second project provided three 3,061-square-meter hospital additions at Kandahar, Heart, and Gardez garrisons totaling $16 million. The third project, totaling approximately 45,000 square meters and estimated at $57 million, provided a National Maintenance Center for the ANA in Kabul. This project included wheeled and tracked vehicle maintenance, manufacturing, assembly, vehicle hardstands, billeting, and administration on a secure site near the Kabul International Airport.

Evaluation and Assessment of the Royal Saudi Naval Forces Underground Command Center Ventilation System, Riyadh, Saudi Arabia. *DACA78-02-D-0007, TO 0003.* Baker provided a Mechanical Engineer to evaluate and assess an existing underground ventilation system, particularly the intake and exhaust fans at the Royal Saudi Naval Forces (RSNF) Underground Command Center, located in Riyadh, Saudi Arabia. Baker prepared a report containing an evaluation and assessment of the existing system, recommendations, and a cost estimate for modifications to the system. An oral out-brief of preliminary recommendations was conducted by Baker for U.S. Navy and Saudi military personnel.

Master Planning for the Afghan National Army Academy, Kabul, Afghanistan. *DACA78-02-D-0007, TO 0009.* Baker provided a master planning team to perform site surveys to develop a master plan for the Afghan National Army Academy near Kabul, Afghanistan. Baker provided expertise in architecture, electrical, civil, computer-aided design, and cost-engineering disciplines to accomplish the assignment. The team assessed relevant data including topography, geotechnical, water sources, power sources, base access, force protection, disposal sites, and other Afghanistan requirements. Existing facilities were surveyed to determine if they could be renovated economically. Work was coordinated with the Afghanistan District Office (AED) personnel. The final master planning report summarized all data gathered, listed assumptions, recommended options, and provided a preliminary cost estimate. A Scope of Work for a follow-on design/construct contract was also prepared. The master planning report was completed in Kabul at the AED Office following the site surveys.

Facility Design Development, Afghanistan Engineer District (AED). *W912ER-05-D-0002, TOs 0029, 0030, and 0032.* Through a series of task orders, Baker supported AED's mission to provide planning, design, and construction management to the Afghanistan National Civil Order Police, Afghanistan National Border Police Zone Command, and the Afghanistan National Border Police Unit Command by preparing the Ready-to-Advertise complete designs, specifications, and construction cost estimates for various sized standard-type compounds for each program. Each design was intended to function as a proto-typical design for use by AED, in Afghanistan, with final designs site adapted for use at any geographic location within the country. An important element of each design was the requirement that the compound be fully sustaining and self-sufficient, requiring that each compound design include electrical generation capability (diesel generators), fuel storage/dispensing facilities, water supply, treatment and distribution systems, sanitary sewer systems and on-site sanitary treatment, provisions for stormwater management, primary and secondary entry control points, and an internal roadway system. Because of anticipated fuel shortages that could limit electric power availability, the water system design incorporated mechanical backups to maintain water supply and pressure without electric power, where practical.

Force protection measures were incorporated into the design by including the maximum feasible standoff distances from the force protection perimeter wall. Due to unknown conditions, the site layouts were developed using the smallest feasible footprints.

Several building types were included in each compound, including: Administration Building, Dining Facility (DFAC), Training Facility, Toilet and Shower building, Middle Barracks, Women's Barracks, Senior and High Barracks, Logistics Facility, Warehouse, Laundry building, Vehicle Maintenance Facility, Ammunition Supply Building, Guard Shack, Gate House, Guard Towers, Canopies, and Well House. The various structures were designed to take advantage of using typical details common to multiple building types. The sizes and general layouts of the facilities were developed in accordance with project requirements issued at the beginning of the project and confirmed through the Design Charrette.

Each design project included structures/buildings, infrastructure, and force protection requirements to house, feed, train, protect, maintain, and sustain elements of each program.

To facilitate meeting the client's requirements, a Design Charrette was conducted shortly after project initiation and weekly telephone conferences were held to discuss and seek early resolution of design issues. Formal submittals included 65%, 95%, and pre-final designs for client review and comment. The final designs, specifications, and construction cost estimates were submitted following receipt and concurrence with the client's comments.

SpecsIntact software was used for the preparation of the project specifications in accordance with ER 1110-1-8155. Client CADD standards were used as the basis for production of drawing files and layout to be completed and provided in AutoCAD. Construction cost estimates were prepared in accordance with USACE requirements using MCACES Gold software.

Power Utility Systems Study for ANA Garrisons, Afghanistan Engineer District (AED). *W912ER-05-D-0002, TO 0031.* Baker conducted on-site surveys and feasibility studies to evaluate the technical and economic viability of connecting eight different Afghan National Army (ANA) Garrisons to the nearest municipal or commercial power utility system(s). The eight Garrisons included Herat Brigade, Mazar-e-Sharif Brigade, Darualaman Brigade, Pol-e-Charki Brigade, KMTC, KIA Air Corps, Jalalabad Garrison, and Konduz Garrison. For each Garrison, the components of the feasibility study included the following:

- Description of existing power generation and distribution systems, including size and capacity of the generating plant, generating voltage, spare stand-by capacity, and primary high-voltage power distribution system.
- Description of known or planned future growth of the Garrison to include future electric demand load requirements and projected timing of such growth.
- Description of Operation and Maintenance economic analysis of the existing power plant at each Garrison, including current O&M costs, as well as projected operating costs for the next 10 years.
- Assessment of the existing condition and capabilities of the local municipal or commercial power system(s) including consideration of reliability, capacity, and the availability of power to meet current and future Garrison electric load demands.
- Cost estimates to provide the high-voltage connection from the local municipal or commercial source to the Garrison.
- Assessment of existing and any projected utility electric rates and projected power usage costs to each Garrison for the next 10 years.
- Identification of the organization responsible for O&M and cost to maintain the utility connection to the Garrisons.
- Preparation of cost comparisons for the next 10 years of the recovery or break-even point associated with the utility supplied power vs. the existing on-site generation.
- Development of conclusions and recommendations with regard to the practicality of connecting the Garrisons to the local electric grids.

Project deliverables included monthly progress reports, conceptual evaluation reports, and detailed technical and economic feasibility reports. All work and services were completed within 240 days.

Part 7 – Resumes

Russell E. Hall, P.E., P.S.

Principal-In-Charge

General Qualifications

Mr. Hall is an experienced transportation engineer who has been involved in numerous engineering design projects in West Virginia for over 26 years. His project management responsibilities involve overseeing staff from project inception through completion, and ensuring that the clients' needs and requirements are met.

He has over seven years of experience in office management as well. His office management responsibilities include financial oversight and accountability for a staff of over 45 engineers, architects, scientists, and administrative personnel for Baker's Charleston office. His major strengths include organizing and managing a project team, quality control and quality assurance, and problem resolution. He provides overall direction and maintains direct communications with all clients.

Years with Baker: 8

Years with Other Firms: 18

Education
B.S., 1985, Civil Engineering, West Virginia Institute of Technology

Professional Registrations
Professional Engineer, West Virginia, 1990, 10947
Professional Surveyor, West Virginia, 1996, 1878

Mr. Hall is very proud of the fact that he has been able to spend his entire career in West Virginia working to address West Virginia's transportation needs.

Experience

2004 to Present, Michael Baker Jr., Inc. – *Office Manager* for the Charleston, West Virginia office.

1998 to 2004, Neff, Longest, and Beam, L.L.C. – *Office Manager* for the Charleston, West Virginia office. Responsibilities included the duties of both project manager and office manager. The following is a list of representative projects:

- **WV 9, Charles Town Bypass to Virginia State Line, Jefferson County** – The project provided for the preparation of construction and right of way plans for an approximately five mile section of 4-lane highway. This project included the design of two interchanges, four bridges, and multiple intersections and access roads. This project was divided into seven construction contracts.

- **Fetterman Truss Bridge, Taylor County** – The project provided for the preparation of construction and right of way plans for the replacement of the existing Fetterman Bridge in Grafton, West Virginia. This project included the design of a multiple span curved bridge over the Tygart River and a 200,000 gallon CSO tank.

- **Corridor H, Hardy County** – The project provided for the preparation of construction and right of way plans for a two mile section of 4-lane divided highway. This project included the design of one interchange, two bridges, and multiple intersections and access roads. This project was divided into three construction contracts.

- **Wellington Bridge, Roane County** – The project provided for the preparation of construction and right-of-way plans for the replacement of the existing Wellington Bridge over Spring Creek.

- **I-64 Widening, Putnam County** – This project provided for the preparation of a design report and contract plans for the upgrade of I-64 to six-lane for the proposed US 35 interchange to the existing six-lane section at the 25th Street Overpass Bridge. Neff is a subconsultant to Site-Blauvelt and is

responsible for surveys, right-of-way plans, all bridges except the Kanawha River bridge crossing, and the St. Albans interchange. The project is in the final stage of the design report phase. The design report phase assesses the engineering and environmental impacts of multiple alignments and interchange configurations.

- **US 35/I-64 Interchange, Putnam** – Neff was a subconsultant to Baker responsible for all right-of-way plan development.
- **New River Parkway, Summers and Raleigh counties** – Neff is a subconsultant to Kimley-Horn responsible for all right-of-way plan development.
- **US 52, King Coal Highway, US 119 Mingo County to US 460 Mercer County** – Neff was program manager for the entire corridor. The responsibilities include all engineering design review and approval; develop and maintain schedules; and coordinate with all resource agencies, the WVDOH, and the public.
- **Statewide Services Contract** – Neff provided construction and right-of-way development and review on an as needed basis.

1996 to 1998, West Virginia Department of Transportation – *In-House Design Section Head* for the WVDOH. Responsibilities included the management of four design squads containing approximately 15 engineers and 10 engineering technicians. The In-House Design staff was responsible for the design and preparation of construction and right of way plans for multiple projects throughout the state.

1994 to 1996, West Virginia Department of Transportation – *Consultant Review Section Head* for the WVDOH. Responsibilities included the management of five project managers. Each project manager was responsible for the oversight, review, and approval of consulting engineers' design work. Each manager was responsible for several consultants, most with multiple projects.

1991 to 1994, West Virginia Department of Transportation – *Consultant Review Section Project Manager* for the WVDOH. Responsibilities included oversight, review, and approval of consulting engineers' design work. Each manager was responsible for several consultants, most with multiple projects.

1988 to 1991, West Virginia Department of Transportation – *In-House Design Section Squad Leader* for the WVDOH. Responsibilities included the management of one design squads containing approximately 3 engineers and 2 engineering technicians. The design squad was responsible for the design and preparation of construction and right of way plans for multiple projects throughout the state.

1988 to 1991, West Virginia Department of Transportation – *In-House Design Section Project Engineer* for the WVDOH. Responsibilities included the design and preparation of construction and right of way plans for multiple projects throughout the state.

Patrick W. Fogarty, P.E., P.S., LEED® GA

Practice Manager/Quality Assurance Officer

General Qualifications

Mr. Fogarty is an asset to the Baker team with over 27 years of project design and management experience. He is responsible for technical and management aspects of civil design and surveying projects within the office. Mr. Fogarty has designed and managed projects in numerous disciplines including civil, structural and transportation engineering, site development, planning and surveying. These projects have included retail/commercial site preparation, airports, streets/highways, bridges, parking lots, buildings, retaining walls/foundations, sanitary systems and structures, as well as boundary and topographic and photogrammetric surveys. Duties included field surveying, drawings and specification preparation, design, design drafting, construction inspection, quality control testing, shop drawing review, project management, contract administration and report preparation. Management duties include financial planning, management and staff utilization for two departments, human resource planning, marketing, and strategic planning.

Experience

Flood Protection Options Report-Bonham Elementary School, Kanawha County, West Virginia. *West Virginia Division of Homeland Security and Emergency Management.* Project Manager. Responsible for the development of a report listing potential flood protection options for the facility. Baker was retained by the West Virginia Division of Homeland Security and Emergency Management to prepare a report to address flood protection options for Bonham Elementary School in Kanawha County, West Virginia.

West Virginia Army National Guard - Tag Wing Improvement, Charleston, West Virginia. *State Army National Guard Headquarters.* Project Manager. Engineer of Record responsible for the coordination of all activities. Baker performed complete planning, design, and construction management services for renovations to the Office of the Adjutant General at the State Army National Guard Headquarters in Charleston, West Virginia. Project elements included new acoustical ceilings, flooring, energy-saving light fixtures, duplex outlets, communications jacks, several new wall partitions, exterior door replacements, new interior doors and hardware, new wall finishes and asbestos removal. Baker provided Construction Administration and inspection services as well as periodic site review during construction.

Years with Baker: 7

Years with Other Firms: 20

Education

B.S., 1985, Civil Engineering, West Virginia University Institute of Technology

Diploma, 1993, Surveying and Mapping, International Correspondence Schools

Coursework, Business Administration, Heriot-Watt University, Edinburgh College of Art

Licenses/Certifications

Professional Engineer:
Civil/Structural, West Virginia, 1990
Kentucky, 2000
Virginia, 2002
Pennsylvania, 2003
Ohio, 1996
North Carolina, 2008

Professional Surveyor:
West Virginia, 1993
Kentucky, 2001
Ohio, 1996

Construction Documents Technologist, 1996

FAA, Eastern Region Laboratory Procedures Manual Certificate (P-401), 1992

Asphalt Paving Technician, West Virginia, 1991

Concrete Technician, West Virginia, 1991

Soils Compaction, West Virginia, 1991

Aggregate Sampling Inspector, West Virginia, 1991

LEED® Green Associate, 2012

A/E Services for the Office of the Adjutant General, West Virginia Army National Guard, Division of Engineering and Facilities, Charleston, West Virginia. *State Army National Guard Headquarters.* Project Manager. Responsible for the management and coordination of all activities. The Facilities Management Officer (FMO) for the State of West Virginia, Division of Engineering and Facilities (DEF), West Virginia Army National Guard (WVARNG) selected Baker for a lump sum/fixed fee contract for architectural and engineering services. Baker was selected by the Division of Engineering and Facilities to provide complete design and construction administration services for the renovation of the first floor of the entire wing of the Office of the Adjutant General (TAG). The Owner requested the need for modernization of approximately 12,000 square feet of existing outdated office space - project elements included new acoustical ceilings, flooring, energy-saving light fixtures, duplex outlets, communications jacks, alterations to the existing floor plan, exterior door replacements, new interior doors and hardware, new wall finishes and asbestos removal.

West Virginia State Capitol Restroom Renovations. *State of WV General Services Division.* Project Manager. Responsible for the overall management of the project including the coordination of the subconsultant. Baker is leading a planning study for the renovation of 31 restrooms in the historic West Virginia Capitol Building. The planning study will assess the facilities and their conformance to current code requirements and code-required capacities, compliance with Americans with Disabilities Act (ADA) requirements, quantification of the building occupancy during normal and peak periods, and an evaluation of gender distribution of restrooms within the capitol. Baker will provide design, construction sequence, and scheduling recommendations. Upon approval of the design, Baker will prepare construction documents and provide construction administration services for the renovation of three restrooms on the basement level.

130Airlift Wing West Virginia Air National Guard, Various Projects. *Yeager Airport, Charleston, West Virginia.* Field Engineer/Staff Engineer/Project Manager/Lead Designer. Provided planning, design, and construction administration services at this facility on numerous projects including: As a Field Engineer, provided full construction administration services to include inspection, quantity determination, specification interpretation, and the coordination of all testing for the 15,000 cy PCC extension of the aircraft parking apron. As a Staff Engineer, provided surveying and design services to include site, structural steel and concrete design, coordination with Architectural and MEP consultants and scheduling and budgeting for the 3 story addition to the Squadron Operations Facility. As a Project Manager and Lead Designer, provided complete services toward the development of construction plans and specifications for the 50 acre site preparation element of Project 2000 (the relocation of all major base facilities from runway elevation to the former Coonskin Driving Range).

Drainage Improvements and Reclamation Measure Design for Four Abandoned Mine Sites, Kanawha County, West Virginia. *WVDEP - Office of AML&R.* Project Manager. Responsible for the management and coordination of all activities. Baker is providing surveying and mapping, field investigation, subsurface investigation, water testing and sampling, and conceptual, preliminary and final design for the reclamation of four abandoned mine sites that are affected by uncontrolled drainage, debris, and hazards from open portals. Baker is also providing bid phase and construction phase support for the remedial measures.

On-Call Engineering/Architectural Services, Yeager Airport (CRW), Charleston, West Virginia. *Central West Virginia Regional Airport Authority.* Project Manager. Responsible for management planning and lead design for miscellaneous assignments. Additionally, provided engineering consultation on a current construction project as needed. Baker provided multi-discipline, on-call services to the Central West Virginia Regional Airport Authority (CWVRAA), which owns and operates Yeager Airport (CRW). Baker provided a full range of services to CWVRAA on an "On-Call/As-Needed" basis, including architecture, civil, structural, mechanical, electrical and environmental engineering, general engineering administration, surveying, and construction management.

Ron L. Bolen, RA, AIA, LEED® AP

Senior Architect/Project Manager

General Qualifications

Mr. Bolen brings over 36 years of design and project coordination experience to the project. Mr. Bolen insists on listening to the client's needs and bringing those desires to reality in a distinctive, functional and state of the art facility – on time and within budget. Project types include a multitude of small and large-scale designs, including office, hotel, and multi-purpose facilities, augmented by varied experience in a wide range of opportunities in renovation and new facility design. Truly innovative designs are based on a well-articulated program developed in a close and continuing interaction between the client and the design team.

While at Baker, Mr. Bolen has focused most of his time on design and coordination with clients while maintaining a close relationship with the design team. Increasingly, Mr. Bolen's facilities have become the result of collaborative problem solving with other design professionals and our clients. The results are design solutions that balance interests, intentions and objectives with concepts that reflect quality, integrity and aesthetic appeal.

Years with Baker: 4
Years with Other Firms: 36

Education

B.S. Architectural Design, Parkersburg Community College / WVU Ext., 1980

Registrations

Registered Architect, No. 3135, West Virginia, 1999

LEED Green Associate, 2010

Professional Affiliations

American Institute of Architects (AIA)
Comprehensive Education Facilities Planners, International (CEFPI)
LEED® Accredited Professional, BD+C, 2012

Experience

A/E Services for the Charleston Armory Improvements, West Virginia Army National Guard, Division of Engineering and Facilities, Charleston, West Virginia. *State of West Virginia, Division of Engineering and Facilities.* Project Architect. Responsible for design and document quality oversight. The Facilities Management Officer (FMO) for the State of West Virginia, Division of Engineering and Facilities (DEF), West Virginia Army National Guard (WVARNG) selected Baker for architectural and engineering services. The State Army National Guard Headquarters in Charleston, West Virginia was originally constructed in the early 1960's. Over the years, there have been numerous upgrades to the facility. Baker was selected by the Division of Engineering and Facilities to provide complete design and construction administration services for architectural improvements of the first floor of the Office of the Adjutant General (TAG), and further provide MEP and HVAC design improvements for the entire TAG Wing, Headquarters Building, and Armory/Drill Floor. The Owner desired the modernization of approximately 55,000 square feet of existing outdated heating, ventilation, and air conditioning equipment. Total project elements included new acoustical ceilings, flooring, energy-saving light fixtures, duplex outlets, communications jacks, alterations to the existing floor plan, exterior door replacements, new interior doors and hardware, new wall finishes, asbestos removal, and a new 4-pipe environmental control system. Baker worked closely with the client during the planning phase to define a project scope to upgrade the existing facility consistent with previous renovations and within a limited budget.

A/E Services for the Capitol Campus Master Plan, State of West Virginia, Charleston, West Virginia. *State of West Virginia, General Services Division.* Architectural Project Manager. Mr. Bolen is currently providing the State of West Virginia General Services Division a comprehensive campus-

wide master plan for the 55+ acre state capitol campus. Working in conjunction with the owner and a team of specialized sub-consultants, Ron is currently providing elements including:

- Master Planning
- Public Involvement
- Programming
- Architectural / Review
- Document Management
- GIS
- Project Scheduling
- Cost Estimating
- Facilities Planning
- Sub-consultant Management
- Client Coordination

Non-Baker Project Experience

Comprehensive Education Facilities Plans (CEFP) 2000-2010
Mr. Bolen assisted in the development of the various Counties' Facilities Plan for the ten-year period of 2000 - 2010. The plans included evaluation of all existing facilities, plans for bringing existing facilities up to current codes and guidelines, cost estimates to bring facilities up to current standards, and final planning scenarios. The following are counties that Mr. Bolen assisting in the development of their CEFP:

- **Nicholas County Board of Education**
- **Cabell Co. Board of Education**
- **Wetzel County Board of Education**
- **Raleigh County Board of Education (required update)**

Mr. Bolen provided Project Manager Services for the development of the various Counties' Facilities Plan for the ten-year period of 2000 - 2010. The plans included evaluation of all existing facilities, plans for bringing existing facilities up to current codes and guidelines, cost estimates to bring facilities up to current standards, and final planning scenarios. The following are counties that Mr. Bolen developed the CEFP plan in conjunction with educational component of DeJong and Associates in the development of their CEFP:

- **Pocahontas County Board of Education**
- **Marshall County Board of Education**
- **Monroe County Board of Education**

A/E Services for Berlin McKinney Elementary School. *Wyoming County Board of Education*
Ron provided Project Manager Services from pre-design through all phases of document preparation, consultant coordination, client relations, and construction administration. This major renovation design repaired classrooms, toilets and auxillary spaces for an existing school which was flooded and provided the project within the required state guidelines. The project was funded by the School Building Authority as a Needs Project.

A/E Services for Elkins Middle School . *Randolph County Board of Education*
As Job Captain, he provided services from design development through all phases of document preparation, and consultant coordination. This addition / renovation design to the existing facility provided needed classroom, and toilet facilities within the required state guidelines.

David J. Hilliard, P.E, LEED® AP

Senior MEP Engineer

General Qualifications

Mr. Hilliard has a wide range of "hands on" design and construction experience. From his simple beginnings as a carpenter he has expanded his professional abilities. His recent design experience has included work on the complex mechanical design of such projects as CAMC Memorial Hospital Cath Labs in Charleston, WV. His resume covers over 20 years of real world work in design, layout, fabrication, construction and finishes in both the mechanical and general trades.

Over the years, while practicing his profession, Mr. Hilliard continued his education. He attended night school and began working on a civil engineering degree, which later changed to mathematics then finally to mechanical engineering. While attending college, he used his HVAC work experience to evaluate mechanical problems and make design recommendations on numerous public and commercial buildings.

Years with Baker: 4

Years with Other Firms: 19

Education

B.S., 2002, Mathematics, West Virginia State College

B.S., 2005 Mechanical Engineering, West Virginia University Institute of Technology

Licenses/Certifications

Professional Engineer, WV, 2010

LEED® Accredited Professional, BD+C, 2012

Professional Affiliations

ASME

ASHRAE

SMACNA

USGBC

Experience

Tobyhanna Army Depot IDIQ. Tobyhanna, Pennsylvania . *Department of Defense, Directorate of Public Works.* Mr Hilliard designed a series of projects under this IDIQ including the Radio Metrics Labs as well as renovations of building 5, working areas and latrines.

Little Kanawha Bus, Mt Zion, West Virginia. *West Virginia Department of Transportation, Division of Transit.* As project mechanical designer, Mr. Hilliard was responsible for the design of the multifaceted HVAC and plumbing systems including vehicle exhaust and office energy recovery systems. A vehicle bus wash water reclaim system was also included in the design. Mr. Hilliard also coordinated and worked with site, architectural and electrical designers to exceed ASHRAE 90.1 2007 Building Energy Standard.

A/E Services for the Charleston Armory Improvements, West Virginia Army National Guard, Division of Engineering and Facilities, Charleston, West Virginia. *State of West Virginia, Division of Engineering and Facilities.* Project Engineer. Responsible for detailed design, QA/QC, construction administration and inspection. The Facilities Management Officer (FMO) for the State of West Virginia, Division of Engineering and Facilities (DEF), West Virginia Army National Guard (WVARNG) selected Baker for architectural and engineering services. The State Army National Guard Headquarters in Charleston, West Virginia was originally constructed in the early 1960's. Over the years, there have been numerous upgrades to the facility. Baker was selected by the Division of Engineering and Facilities to provide complete design and construction administration services for architectural improvements of the first floor of the Office of the Adjutant General (TAG), and further provide MEP and HVAC design improvements for the entire TAG Wing, Headquarters Building, and Armory/Drill Floor. The Owner desired the modernization of approximately 55,000 square feet of existing outdated heating, ventilation, and air conditioning equipment. Total project elements included new acoustical ceilings, flooring, energy-saving light fixtures, duplex outlets, communications jacks, alterations to the existing floor plan, exterior door replacements, new interior doors and hardware, new wall

finishes, asbestos removal, and a new 4-pipe environmental control system. Baker worked closely with the client during the planning phase to define a project scope to upgrade the existing facility consistent with previous renovations and within a limited budget.

WV Capitol Building Restrooms Restoration/Renovations , State of WV, Charleston, WV. *State of WV, General Services Division.* Mechanical Engineer. Mr. Hilliard is currently providing the State of West Virginia General Services Division a comprehensive plumbing plan for the renovation and renovation of the 33 restrooms at the WV State Capitol Building.

A/E Services for the Capitol Campus Master Plan, State of West Virginia, Charleston, West Virginia. *State of West Virginia, General Services Division.* Project Engineer. Mr. Hilliard is currently providing the State of West Virginia General Services Division MEP engineering support for a comprehensive campus-wide master plan for the 55+ acre state capitol campus. Working in conjunction with the Owner and a team of specialized sub-consultants, Mr. Hilliard is currently providing MEP support for many planning elements including:

- Master Planning
- Public Involvement
- Programming
- Architectural / Review
- Document Management
- GIS
- Project Scheduling
- Cost Estimating
- Facilities Planning
- Sub-consultant Management
- Client Coordination

Non-Baker Project Experience

CAMC Memorial, Kanawha City, West Virginia
Performed design calculations, layout of Plumbing, HVAC ductwork, piping and components for three floors of the Clinical Teaching Center; Lobby, Cath Labs and patient rooms. This work was all done in affiliation with BSA Life Structures.

Raleigh General Hospital Surgery Suite; Beckley West Virginia
Worked on value engineered and shop drawing for a 20,000 square foot surgery addition, as well as managed and coordinated construction of this complex mechanical design.

Ashland Community and Technical College; Ashland, KY
Mr. Hilliard worked on Design Evaluation and Coordination of the Medium Pressure VAV Mechanical System. He prepared shop drawings and coordination drawings. His duties also included Construction Administration.

West Virginia Army National Guard support Maintenance Shop; Eleanor WV
Mr. Hilliard worked on Design Evaluation and Coordination of construction of the HVAC system; including infrared heat, gas unit heaters, auto fume exhaust and make-up air.

Alana S. Pulay, IIDA, LEED® AP

Interior Designer

General Qualifications

Ms. Pulay is a professional interior designer with comprehensive knowledge of architecture and the design industry with over 9 years of experience in commercial and residential design, project budgeting, specifications writing, bid preparation and contract negotiations, construction job site scheduling, and green building design. Ms. Pulay has led and managed numerous interior design projects where she was responsible for the design, development, and coordination of all interior elements of the projects, including selection of all finishes, furnishings, and equipment.

Ms. Pulay also teaches junior level interior design studio classes for the University of Charleston, which included syllabus preparation and development of the course interior design project for the semester. She also mentors senior interior design students.

Ms. Pulay is a well organized professional who enjoys a challenge and is committed to lifelong self-improvement. She is an effective team player with proven listening, interpersonal, and communications skills. Ms. Pulay is proficient in AutoCAD, SketchUp, Adobe Photoshop, MS Word, MS Excel, and MS PowerPoint.

Years with Baker: 4

Years with Other Firms: 7

Education

M.S. Architecture Specializing in Interior Design, University of Nebraska, 2010

B.S., Interior Design, The Ohio State University, 2003

Registrations

NCIDQ, 2005

LEED AP, 2008

Professional Affiliations

International Interior Design Association

Experience

Little Kanawha Bus Facility, Grantsville, Calhoun County, West Virginia. *West Virginia Division of Public Transit.* Interior Designer. Baker is providing architectural and engineering services, interior design, landscape architecture, and construction-phase support for a new 10,000-square foot pre-engineered metal and brick bus maintenance and transit operations facility. The 4,500-square-foot administrative area will include offices, a conference room, a money-counting room, and a driver-training room, and the 5,500-square-foot bus maintenance area will include storage for seven buses. The facility will be ADA-compliant and is being designed to achieve LEED® certification. Services include site survey and design, geotechnical testing, environmental compliance, utility coordination, bid documents, bid-phase support, and as-built drawings.

West Virginia State Capitol Restroom Renovations, Charleston, West Virginia. *State of West Virginia, General Services Division.* Interior Designer. Ms. Pulay is currently providing the State of West Virginia General Services Division interior design support for a comprehensive restroom renovation and upgrade effort for Building 1 of the West Virginia Capitol. Working in conjunction with the Owner and a team of specialized sub-consultants, Ms. Pulay is currently assisting the MEP effort to replace and update the plumbing and lighting fixtures in all the restrooms to meet new ADA standards, yet remain sympathetic to the original and historic Cass Gilbert original design.

Non-Baker Project Experience

Lincoln County High School, Hamlin, West Virginia, *Lincoln County Board of Education.* Interior Designer. Prepared complete construction drawings for entire project interior. Lincoln County High School combines four existing high schools into one school. Completed in August 2006, the new $31.4 million facility provides 217,000 SF for 950 enrolled students. To formulate a more comprehensive approach to this

project, the Owner also added the vocational school's curriculum to broaden students' learning opportunities. Students can now attend regular curriculum classes and vocational classes under one roof. The classrooms themselves provided a showcase for state-of-the-art technology. By simply observing how automatic lighting controls enhance natural day lighting in their classrooms, students are able to visualize sustainable design, energy conservation, and technology working in tandem. A full integrated computer system allows students and faculty computer access throughout the entire facility and in every typed of classroom. The interior design combines concepts from "green" design and bright colors to make a dynamic environment for the students in the shared common areas. The classrooms were designed in neutral color palette for an optimized learning environment. Linoleum flooring was selected along with carpet tiles to help achieve a sustainable design.

Wayne Elementary School, Wayne, West Virginia, *Wayne County Board of Education.* Interior Designer. Prepared complete construction drawings for entire project interior. The new 48,276 SF Wayne Elementary School replaces an outdated facility on a more centrally located site. This school included new kindergarten rooms, classrooms, art instruction studio, music room, separate dining and physical education spaces, a state of the art media center, and other academic areas. This project was funded mostly by a West Virginia School Building Authority grant. The outstanding use of color throughout the building creates a bright, exciting environment for learning. The interior design for this project included creating the interior floor pattern, selection of finished and furnishings, developing the construction documents and following through with the final punch list after completion of construction. The color scheme was developed as a collaborative effort with the school's "Color Committee". This group consisted of teachers, parents, community members, and faculty who are involved within the school system. There was also collaboration with the project architect to align architectural elements with the floor pattern. Total project cost: $7,132,429.00. Completion date: Fall, 2006.

Erma Byrd Higher Education Center, Beaver, Raleigh County, West Virginia. *Southern West Virginia Community and Technical College.* Project Interior Designer. Responsible for space planning and the selection of finishes and furnishings. This project provides a central location for classroom and administrative space to be shared by six different colleges and universities. It is the first building of a planned campus environment comprised of other classroom buildings and research facilities. The project consists of 29,700 SF on the main level and 3,300 SF of mechanical mezzanine. Being a teaching facility the building itself is designed to be a teaching tool. Day lighting is incorporated throughout the building and the mechanical equipment is designed to be viewed and monitored by students in a learning environment. Using data collected by various sensors, the control system can graphically display how all systems react to changes in environmental conditions. The design concept was based on "green" principles. Fritz tile, linoleum flooring, and low VOC paints were specified to complete the design. Total project cost: $7.5 million. Completion date: September 2007.

Gene Spadaro Juvenile Center, Mt. Hope, West Virginia, *West Virginia Division of Corrections.* Interior Designer. Prepared complete construction drawings for entire project interior. This is a prototype juvenile center design evolving from a hardware-secured correctional institution to a staff-secured, rehabilitative center for at risk youths. Completed in October 2004, the building is constructed of load-bearing masonry walls with brick and natural stone veneer. The interior steel structure is exposed and painted. Innovative color schemes were used to create stimulating variety in the spaces. Lighting was carefully designed to supplement natural sunlight and ensure comfortable lighting levels. The shift to staff-secured programming required even greater levels of observation, communication and control, and the open layout of the plan meets these objectives. To offset the comfortable spaces of the shared areas, sleeping quarters resemble those in more institutional facilities, thus educating the youth about what their future could be if efforts to turn them away from delinquency and crime are ignored.

R. Todd Schoolcraft, PLA, ASLA, LEED® GA

Landscape Architect

General Qualifications

Mr. Schoolcraft has over 21 years of experience in the fields of landscape architecture and land planning, with over 26 years of experience in the building and construction industry. Mr. Schoolcraft has extensive experience managing complex projects and leading multi-disciplined teams of professionals resulting in the successful delivery of numerous quality projects on-time and on-budget. Major areas of specialty include commercial development, military installation design, land planning, public development, site planning and design, park and recreation design, trails and greenways, streetscape design and urban planning, and residential subdivision layout. Mr. Schoolcraft is a retired U.S. Army Officer, holding the rank of Major, with over 23 years of time in service in the U.S. armed forces. In the last years of service, he held the position of Operations Officer with the newly formed Chemical, Biological, Radiological, Nuclear or High Yield Explosive Enhanced Response Force Package Team (CERFP Team) with the West Virginia Army National Guard. Prior to this, he was a combat engineer with the Design Section of the 111th Engineer Group, West Virginia Army National Guard. The 111th Engineer Group served in the Middle East in support of Operation Iraqi Freedom and Operation Enduring Freedom. During that time, Mr. Schoolcraft was awarded the Bronze Star Medal for meritorious service associated with a multitude of engineering and architectural projects in Kuwait and Iraq. Mr. Schoolcraft has been appointed to the West Virginia State Board of Landscape Architects by Governor Joe Manchin, and currently serves as Secretary of the Board.

Years with Baker: 6

Years with Other Firms: 16

Education

B.S. Landscape Architecture, West Virginia University, 1991
Safe Spaces: ASLA Security Design Symposium, Chicago, IL, 2004
AQUA Conference Educational Sessions, Las Vegas, NV, 2005
CERFP Team Training, WV Army National Guard, 2006

Registrations

PLA, West Virginia, 1995
RLA, North Carolina, 2008
PLA, Ohio, 2002
CLARB Certified, 2001

Professional Affiliations

WV State Board of Landscape Architects
American Society of Landscape Architects
WV Chapter – American Society of Landscape Architects
American Planning Association
Associate Member – AIA West Virginia
Society of Military Engineers
National Guard Association
WV Rails-to-Trails Society
Elkland Pool Board

Experience

Parsons City-Wide Comprehensive Parks and Recreation Master Plan, Parsons, West Virginia. *Parsons Parks Board.* Project Manager. Responsible for master planning design and document quality oversight. Baker prepared a Master Plan of improvements and recommendations for existing and proposed parks and recreation amenities for the city limits of Parsons, Tucker County, West Virginia. The City of Parsons, over time, has acquired many parcels of FEMA-condemned properties due to the flood prone topography of Parsons. In and effort to properly manage the existing facilities, yet prepare for the future of the additional facilities scattered throughout the community, this master planning effort was begun. Through a series of public meetings and stakeholder meetings, a final plan was realized with recommendations for ball fields, hiking and biking trails, a recreation center, skateboard park, miniature golf course, additional play structures, picnic facilities, ADA-compliant fishing access, interpretive signage, and landscaping improvements for the existing and new park areas.

Pennsboro Trailhead, Depot and Old Stone House Restoration. *City of Pennsboro and the Ritchie County Historical Society.* Project Manager. Responsible for design, document quality oversight, and construction administration. Originally built in 1810, the Old Stone House served as a hotel/boarding house for frontiersmen heading west on the Northwest Turnpike, and continued to serve east-west travelers along what became U.S. 50 well into the 20th Century. Now the house serves a museum to the time period in which it was built. The residents also have preserved the train depot in town commemorating the town's place in America's railroad heritage. The former Baltimore and Ohio rail bed has become the North Bend Rail Trail. The rail trail provides over 50 miles of trail between Clarksburg and Parkersburg WV for hikers, bikers, and horseback riders. The Old Stone House and the restored depot are also located along the trail. In an effort to develop a formal trailhead destination on the North Bend Trail, as well as preserve and further restore the Old Stone House and Depot, Ritchie County Historical Society, in cooperation with the City of Pennsboro, selected Michael Baker Jr., Inc., and Pickering Associates to develop plans and specifications, and further provide bidding and construction services for extensive facility improvements.

A/E Services for the Office of the Adjutant General, West Virginia Army National Guard, Division of Engineering and Facilities, Charleston, West Virginia. *State of West Virginia, Division of Engineering and Facilities.* Project Manager. Responsible for design and document quality oversight. The Facilities Management Officer for the State of WV, West Virginia National Guard, selected Baker for a lump sum/fixed fee contract for architectural and engineering services. Baker was to provide complete design and construction administration services for the renovation of the first floor of the entire wing of the Office of the Adjutant General. Project elements included new acoustical ceilings, flooring, energy-saving light fixtures, duplex outlets, communications jacks, alterations to the existing floor plan, exterior door replacements, new interior doors and hardware, new wall finishes and asbestos removal.

Non-Baker Project Experience

Peterson Central Elementary School, Weston, West Virginia. *WYK Associates, Inc. and the Lewis County Board of Education.* Landscape Architect. Responsible for conceptual design, detailed design, construction document preparation and document quality oversight. This new K-4 elementary school consolidated Peterson, Polk Creek and Shadybrook Elementary Schools. The new facility, constructed in 2000, induced a better learning atmosphere. The new construction enabled Lewis County to provide computer networking, indoor/outdoor physical education, a learning resource center and a multi-purpose room with the capacity for presentations, all housed in this new 45,523 square foot facility.

Spring Valley High School, Huntington, West Virginia. *ZMM, Architects & Engineers, and the Wayne County Board of Education.* Landscape Architect. Responsible for conceptual design, detailed design, construction document preparation and document quality oversight. This consolidated senior high school for 1,200 students grades 9 through 12 includes two gymnasiums (one with seating for 1,200), full food service facilities, and auditorium with seating for 600, and a library with media technology distribution capabilities. For Wayne County's comprehensive building, the building was designed with hinge points, volume transitions and a bright color palette, and at 175,000 square feet, details were incorporated in the design that give the large building a human scale. Site features include a massive earth moving effort in the site preparation phase, stream relocation, extensive culvert design, WVDOH-approved storm sewer system, football stadium, baseball field, landscaping, and ADA compliant accessibility.

Part 8 – References

Each of the Project Profiles found in Part 6 lists Baker's client and contact information for your use as a reference. Additionally, we offer the following diverse list of past or current clients and contact information:

- **WV Department of Transportation – Division of Public Transit**
  1900 Kanawha Boulevard East,
  Building 5, Room 906
  Charleston, WV 25305-0432
  Mr. Todd M. Dorcas, Community Development Specialist
  (304) 558-0428
- **Regional Intergovernmental Council**
  315 D Street
  South Charleston, WV 25303
  Mr. Mark Felton, Executive Director
  (304) 744-4258
- **City of Charleston**
  915 Quarrier Street, Suite 5
  Charleston, WV 25301-2607
  Mr. Chris Knox, P.E., City Engineer
  (304) 348-8106
- **WV Division of Homeland Security and Emergency Management**
  1900 Kanawha Boulevard, East
  Building 1, Room EB-80
  Charleston, WV 25305
  Mr. Jimmy Joe Gianato, Director of Homeland Security
  (304) 530-6142
- **Harrison County Planning Commission**
  301 West Main Street
  Clarksburg, WV 26301
  Ms. Terry Schulte, Director
  (304) 624-8690
- **City of Winfield**
  1 Main Street
  Winfield, WV 25213
  Honorable Randy Barrett, Mayor
  (304) 586-2122

Attachment A – WV Purchasing Division Quotation Forms

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

Solicitation

NUMBER	PAGE
DEFK14029	1

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

VENDOR
RFQ COPY
TYPE NAME/ADDRESS HERE
Michael Baker Jr., Inc.
5088 West Washington Street
Charleston, West Virginia 25313

SHIP TO
DIV ENGINEERING & FACILITIES
ARMORY BOARD SECTION

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

DATE PRINTED
04/07/2014

BID OPENING DATE: 05/08/2014 BID OPENING TIME 01:30PM

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

ARCHITECT/ENGINEERING SERVICES, PROFESSIONAL

EXPRESSION OF INTEREST (EOI)

THE WEST VIRGINIA PURCHASING DIVISION, FOR THE AGENCY, DIVISION OF ENGINEERING & FACILITIES, WV ARMY NATIONAL GUARD, IS SOLICITING EXPRESSIONS OF INTEREST FOR ARCHITECTURAL AND ENGINEERING SERVICES FOR EXTERIOR RENOVATIONS AT THE JOINT FORCES HEADQUARTERS BUILDING LOCATED IN CHARLESTON, WV, PER THE ATTACHED DOCUMENTATION.

ATTACHMENTS INCLUDE:

DEFK14029 EXPRESSION OF INTEREST
INSTRUCTIONS TO VENDORS SUBMITTING BIDS
GENERAL TERMS AND CONDITIONS
CERTIFICATION AND SIGNATURE PAGE
PURCHASING AFFIDAVIT

VENDORS SHOULD PROVIDE ONE (1) ORIGINAL PROPOSAL AND TWO (2) CONVENIENCE HARD COPIES AND ONE (1) SUBMISSION ON CD-ROM.

SIGNATURE	TELEPHONE	DATE
Russell S. Hall	304.769.0821	May 8, 2014
TITLE: Assistant Vice President	FEIN: 25-1228638	ADDRESS CHANGES TO BE NOTED ABOVE

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

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.

Michael Baker Jr., Inc.

(Company)

(Authorized Signature)

Russell E. Hall, Assistant Vice President

(Representative Name, Title)

304.769.0821 **304.769.0822**

(Phone Number) (Fax Number)

May 8, 2014

(Date)

RFQ No. DEFK14029

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 exceed 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* §61-5-3) 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: Michael Baker Jr., Inc.

Authorized Signature: Lynnell E. Hall Date: May 8, 2014

State of West Virginia

County of Kanawha, to-wit:

Taken, subscribed, and sworn to before me this 8th day of May, 2014

My Commission expires April 14, 2023

AFFIX SEAL HERE

NOTARY PUBLIC Stephanie A. Hensley

OFFICIAL SEAL
NOTARY PUBLIC
STATE OF WEST VIRGINIA
STEPHANIE A HENSLEY
MICHAEL BAKER JR. INC.
5088 WEST WASHINGTON ST.
CHARLESTON, WV 25313
My commission expires April 14, 2023