

Expression of Interest to Provide

Architectural/Engineering Services WV Division of Public Transit – PTR11023 Administrative and Storage Facility Near Philippi, West Virginia

submitted to:

Mr. Frank Whittaker, Buyer 44
Department of Administration
Purchasing Division
2019 Washington Street, East
Charleston, West Virginia 25305-0130

submitted by:

Michael Baker Jr., Inc.
5088 Washington Street West
Charleston, West Virginia 25313

December 16, 2010

Baker

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WV PURCHASING
DIVISION

Baker

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A Unit of Michael Baker Corporation

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December 16, 2010

Mr. Frank Whittaker, Buyer 44
Department of Administration
Purchasing Division
2019 Washington Street, East
Charleston, West Virginia 25305-0130

**Re: Expression of Interest to provide Architectural/Engineering Services
WV Division of Public Transit – PTR11023
Administrative and Storage Facility, near Philippi, WV**

Dear Mr. Whittaker:

Michael Baker Jr., Inc. (Baker) is pleased to present our qualifications and experience as it relates to the Planning and Design of the proposed Administrative and Maintenance Facility for the *Here and There Transit* Section 5311 Rural Transit Provider for Barbour County. Baker is currently under contract with the WV Division of Transit for the Little Kanawha Bus Facility.

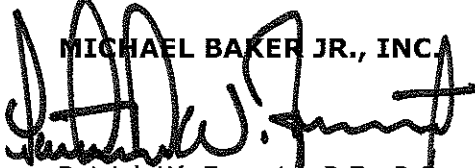
Baker is a global engineering firm with some 3,000 members in 80 office locations. We propose to undertake this assignment from our Charleston office with a staff of over 35 individuals including architects, engineers, landscape architects, planners, surveyors, environmental specialists, construction managers, public safety specialists, inspectors, and technicians.

We feel that our recent, specific experience and regional expertise as well as our location is unique to Baker and will provide efficient, timely, personal, cost effective, and quality solutions for the WV Division of Public Transit.

We are extremely interested in providing the required services on this important project and perpetuating our relationship with the WV Division of Public Transit. We look forward to meeting with the Selection Committee to personally present our approach to this project.

Very truly yours,

MICHAEL BAKER JR., INC.



Patrick W. Fogarty, P.E., P.S.
Civil Services Group Manager

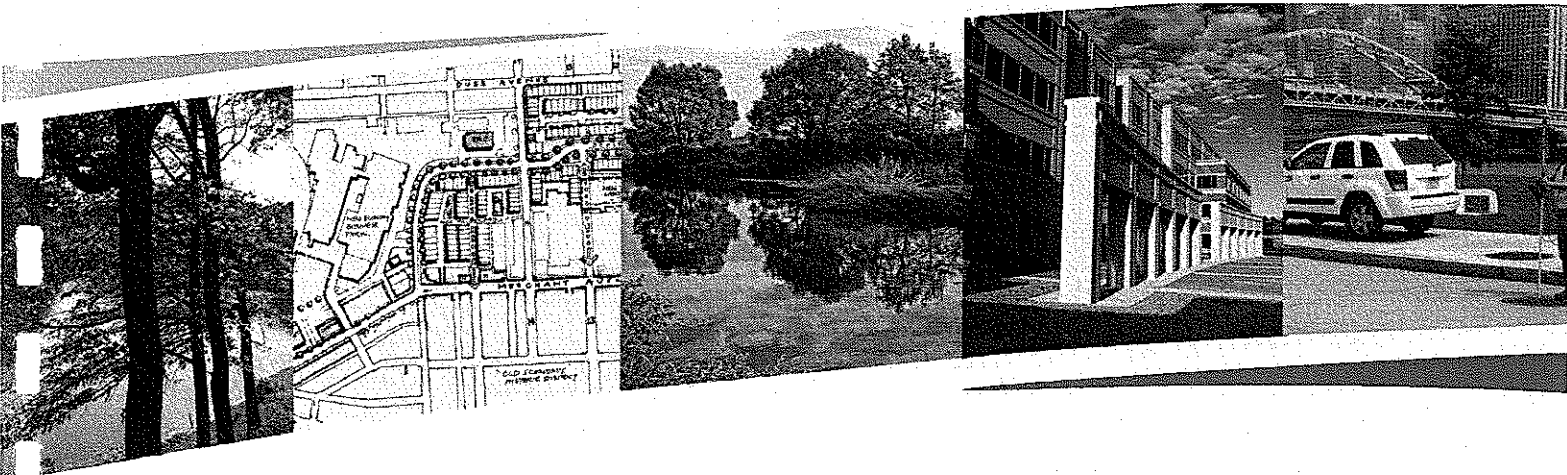


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Part 1 – Introduction

The WV Division of Public Transit is seeking a highly qualified firm experienced in the planning, design, and construction administration to develop a new administrative and storage facility for the *Here and There Transit* Section 5311 Rural Transit Provider to be located near Philippi, West Virginia. 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 WV Division of Public Transit.

"...we are extremely interested in continuing our professional relationship with the WV Division of Public Transit."

Corporate Capabilities

Baker is a wholly owned subsidiary of the Michael Baker Corporation (a publicly owned company traded on the American Stock Exchange), employs over 3,000 people in 80 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 60 offices throughout the U.S. from which to serve clients nationally. 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 Water Resources, Environmental Design and Permitting, Geographic Information Systems, GPS and Field Data Collection, Infrastructure Management, Database Development, Computer/Web Programming, and CADD.

Baker has extensive resources and the required qualifications to provide planning and design services for the WV Division of Public Transit 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 has 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;
- Full range of Public Transportation Services;
- Graphic Design Skills (CADD); and
- Coordination with State and Federal Agencies, as required.

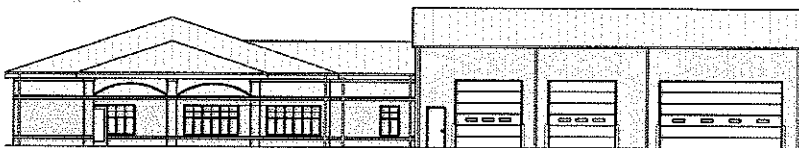
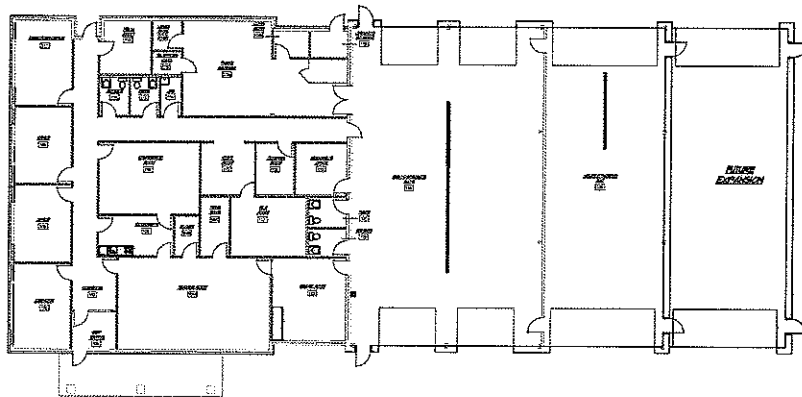
Baker's Charleston office is a "single-stop resource" capable of providing comprehensive professional services, from environmental and public safety planning, final design, and construction management through operational support. From major new bridges and roadway designs to surface mine permitting and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

"Baker has evolved into one of the leading engineering services firms by consistently providing targeted solutions for its clients' most complex challenges."

Baker's clients for facilities design and program management projects include, but are not limited to, the Counties, Cities, Towns, and local municipalities, numerous 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 client needs.

Cost Accounting System

Baker's cost accounting system segregates and accumulates costs by project and by task within each project. Through our work on past Highway, Bridge and Transportation Enhancement projects, the WVDOH is familiar with this system. A current Cost Accounting Information Statement is on file with the WVDOH and is available upon request.



Little Kanawha Bus Facility Mt. Zion, WV

Part 2 – Qualifications

Baker routinely provides architectural/engineering services and project management for the design of municipal facilities, and the associated construction oversight when required. Project assignments have included maintenance facilities, garage facilities, emergency services facilities, and office buildings. Services for these assignments have included planning, surveying, mapping, right of way services, geotechnical design, architecture, 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, corrosion control systems, HVAC design, oil/water separators, and security systems.

Baker's expertise includes but is not limited to:

- 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



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 that are completely familiar with the five elements of the Leadership in Energy and Environmental Design, Green Building Rating System.

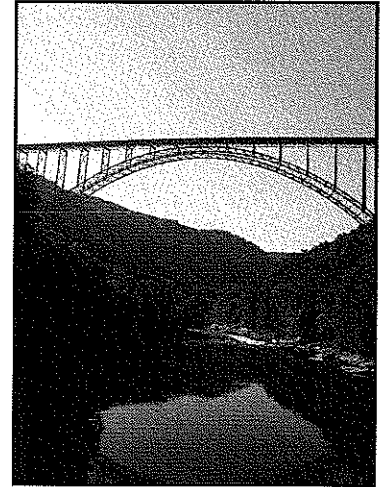
Part 3 – Technical Expertise

Baker can offer the WV Division of Public Transit proven experience in the following Professional Services which are typical for projects such as the type identified in your Request for EOI:

Preliminary Plans and Costs

Baker proposes to prepare preliminary site plans, elevations and schematic details with supporting design documentation. This document will describe the individual elements required for the architectural, engineering, public safety, environmental and traffic issues associated with the proposed facility.

Preliminary Cost Estimates for Construction will be prepared and included in the Preliminary Engineering Report submittal.



New River Gorge Bridge

Plan and Specification Preparation

Baker has vast experience in the development of construction plans and technical specifications for all types of architectural/engineering projects. Initial survey data, topography, and physical features are collected electronically and downloaded into our CADD system for use by the designers in either AutoCAD or Microstation format. Plan and/or Profile sheets are then developed. Detail Sheets are created from our Standard Detail Library then modified to suit specific project applications. Specifications in Microsoft Word format 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 local Municipalities. Permits which may be required for this project include:

- WV Department of Environmental Protection, NPDES Permit
- WVDOT/Division of Highways, MM-109 Permit
- WV Department of Health & Human Resources, Water & Sewer Permit
- WV State Fire Marshal's Office

"Baker has established relationships with each of these agencies which will streamline the permit acquisition process."

Baker has established relationships with each of these agencies which will streamline the permit acquisition process.

Bidding and Contracting Document Preparation

Baker generally makes use of E.J.C.D.C. and/or A.I.A. bidding and contracting documents, as normally dictated by the funding agencies. Blank copies of these forms are included in the Project Manual and made available to all plan holders during the bidding process to minimize the risk of confusion or controversy and "level the playing field" for all prospective bidders. In our bid documents, Baker makes use of additive/deductive alternates and the unit costs approach to bidding. This allows the owner flexibility in spending, to insure the project meets budgetary requirements and that no "surprises" are realized.

Project Bid Evaluation

Bids will be scrutinized by the Baker Project Manager. Likewise, detailed bid tabulations will be developed to allow WV Division of Public Transit and the funding agencies to work with the Project Manager toward the development of a Construction Contract award.

Construction Administration and Inspection

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 will be conducted by Baker technicians or staff engineers trained in construction practices and certified, as required, for the particular type of installation (i.e. concrete placement, compaction, asphalt, trenching, etc.). Constant communication between field and office is essential and will be achieved via cellular telephone, internet access, and facsimile.

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. While Baker can provide the entire depth of services necessary to complete the project, we are willing to subcontract certain services (i.e., surveying, geotechnical engineering, inspection and testing, etc.) in an effort to control cost or to meet any small and/or disadvantaged business participation goals established by the principal funding agency or the Bluefield Area Bus Section 5311 Rural Transit Provider.

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, P.E., P.S.**, 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 24 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 Fogarty, P.E., P.S., will function as Project Manager. Mr. Fogarty has over 25 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:

Little Kanawha Bus Maintenance/Administrative Offices, Mt. Zion, WV (bidding)
Town of Lost Creek – Historic Train Depot Improvements (completed)

Elkins-Randolph County Airport Maintenance Facility (completed)

Yeager Airport Crash/Fire/Rescue Facility (completed)

Bonham Elementary School Flood Protection Study (completed)

Charleston Housing Authority – Numerous Projects (completed)

With his unequalled expertise in structural design and project management, we feel Mr. Fogarty would be a tremendous asset to the WV Division of Public Transit for this project.

Ron Bolen, AIA, with over 36 years of diverse experience, will serve as the Project Architect for this project. Mr. Bolen's project design experience includes master planning, educational, parks, recreation, institutional, commercial, housing, health care, long-term care, and religious facilities. He is experienced with the submittal process for various State Agencies, including WV SBA, State Board of Education and State Fire Marshal's office.

Little Kanawha Bus Maintenance/Administrative Offices, Mt. Zion, WV (bidding)

Raleigh County Schools Bus Maintenance New Facility, Raleigh County (completed)

Ghent Vehicle Maintenance New Facility, Raleigh County (completed)

Standard Vehicle Maintenance New Facility, Fayette County (completed)

WV Army National Guard – Charleston Armory Improvements (in construction)

West Virginia State Capitol Campus Master Plan (in design)

West Virginia State Capitol Restroom Renovation & Restoration (in design)

David Hilliard has over 20 years of mechanical/electrical engineering experience and will provide HVAC and MEP services for this project. Mr. Hilliard brings extensive MEP design experience from numerous educational facilities, housing projects, medical facilities, and commercial and industrial office space projects.

Todd Schoolcraft, PLA, ASLA, and **Laura Cox, PLA, ASLA**, will provide landscape architectural services for the project. They have over 45 years (combined) of experience in the fields of landscape architecture, and land planning. They have extensive knowledge of all phases of design from site analysis and conceptual planning through construction, documentation, permitting and administration.

Joseph Crowder, P.S. Mr. Crowder has over 17 years of surveying/civil engineering experience and will provide civil related services for this project. Mr. Crowder brings extensive civil design, surveying, construction inspection and field testing experience from numerous facilities projects. Mr. Crowder will be responsible for the data collection associated with surveying, easements, and right of way coordination for the project.

Part 5 – Project Outline

We have carefully reviewed your Request for Statements of Qualifications and visited the proposed site to improve our familiarity and to identify any key issues. Based upon this information, Baker has developed the following project outline:

Existing Conditions / Issues

- The WV Division of Public Transit, located at 1900 Kanawha Blvd., East, Building 5 at the Capitol Complex administers the *Here and There Transit* Section 5311 Rural Transit Provider for Barbour County.
- Proposed site is near Philippi, West Virginia.

Project Understanding

- Pre-Engineered metal and brick construction approximately 7,000 SF.
- The Proposed Site is approximately 2.5 acres and vacant at this time.
- The New Facility will house office and vehicle storage spaces:
 - Offices
 - Restrooms
 - Money Counting Room
 - Parts Supply Room
 - Vehicle Parking

Project Description

- Architectural/Engineering services for building, landscaping and site design.
- Preparation of:
 - Construction Specifications.
 - Contract Plans.
 - Related Documents.
- Assistance in preparation of Bidding Documents.
- Cost Estimates.
- Construction Oversight.
- Coordination with Local Officials, Utilities.
- Construction Administration and Inspection of Construction.

Based upon our knowledge to this point, we consider this a multi-service A/E assignment. Architectural elements include provisions for office space and restrooms within the facility, the development of interior finishes and amenities and exterior finishes. Engineering elements include MEP, Structural Design, Geotechnical Engineering, drainage and utilities. Landscape architectural elements may include design geometrics, ADA compliance, road access, parking, signage, and landscaping.

Conceptual Planning Phase

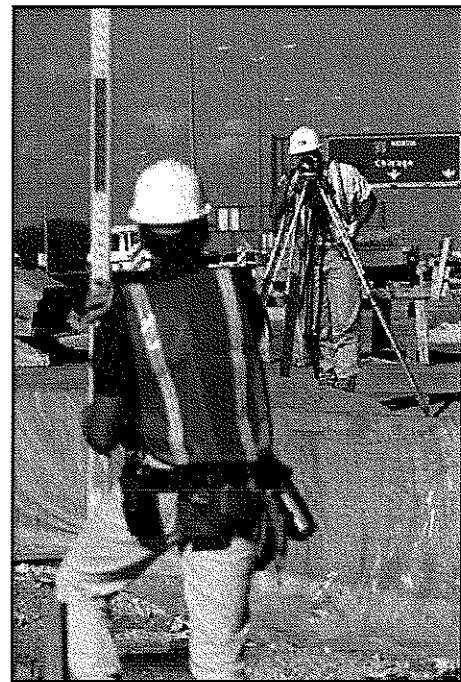
During this phase Baker will collect all available data including historic information, property plats, tax maps, utility maps, soils surveys, etc. We will use our existing E-911 mapping with 10' contour intervals and edit with conventional field surveys. Once all graphic data has been acquired, we will prepare a mosaic of the information and review for concepts and conflicts. We will then develop conceptual layouts for the architectural/structural elements, foundation design, and any other desired project elements.

Design Development Phase

Once conceptual plans have been approved by WV Division of Public Transit, Baker will prepare a Preliminary Engineering Report and Cost Opinion for submission and a 50% Design Submittal for review and approval.



Baker Construction Monitoring



Baker Surveying

Construction Documents Phase

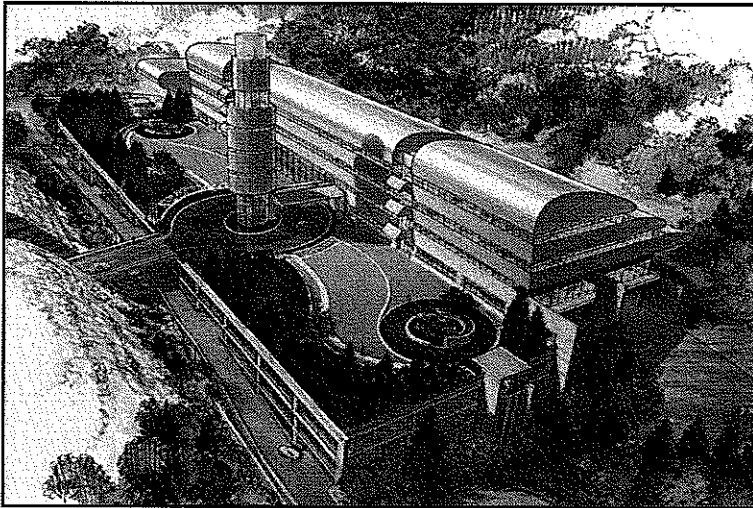
Upon receipt of comments for the Design Development submittal, Baker will prepare construction plans, technical specifications, bid documents, final construction estimates, and all necessary permit applications. Likewise, we will assist WV Division of Transit in the preparation of additional funding applications if necessary.

Bidding Phase

During this phase, Baker will participate in the Pre-Bid Conference, and prepare any necessary technical responses/clarifications to be included in Addenda.

Construction Phase

Initially, Baker will perform Construction administration services that will consist of shop drawing review, processing requests for information, monitoring construction progress, conducting construction meetings, processing payment applications, Davis-Bacon compliance review, and providing periodic construction inspection.



Institute for Scientific Research, Fairmont, WV

Part 6 – Related Prior Experience

The following Project Descriptions illustrate Baker's related prior experience. We have included examples of building facilities used for administrative office space, 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 all activities from our West Virginia operation, these diverse project locations are meant to emphasize our **One Baker** philosophy. Which simply means that the WV Division of Public Transit will have access to the human resources, expertise, and technology of all Baker locations should the need arise.

In addition to this project experience, members of Baker's Charleston office have established relationships with many potential funding agencies including:

- Federal Highway Administration (FHWA);
- WV Department of Transportation / Division of Highways;
- WV Development Office;
- USDA Rural Utility Service;
- US Department of Commerce E.D.A.;
- US Environmental Protection Agency; and
- WV Department of Environmental Protection.



ConnDOT – Hartford Bus Maintenance Facility

Little Kanawha Bus Administrative and Maintenance Facility

Mt. Zion, WV

Baker is currently providing general Architectural and Engineering services to the West Virginia Division of Public Transit for the Little Kanawha Administrative/Maintenance Facility. The facility will be located near Grantsville, West Virginia.

The WV Division of Public Transit selected Baker to provide complete design and construction administration services include the construction of a pre-engineered metal and brick construction, sited on the available property allowing for future expansion needs. Parking for the buses (in the rear of the building) and employee vehicles will surround the building. The proposed new site of the Little Kanawha Transit Authority facility is located in Calhoun County near Grantsville, West Virginia. The site is approximately 4.55 acres. A facility sign including an electronic message board and landscaping will be added to the site. The operations facility will have approximately 10,000 square feet of which 4,500 square feet will house four - five offices, a conference room, and money counting room, office storage space, copier and supply room, and a driver training room which will accommodate approximately 25 individuals. The remaining 5,500 square feet is dedicated to the maintenance functions. The garage will require a ceiling of a minimum of 16 feet to accommodate bus hoisting. With the structural roof members, the overall roof height will be about 18 feet. This area will also include space for indoor bus storage for approximately seven (7) vehicles. The building should be designed so that the vehicles can pull through the facility. The building should be designed to employ green building practices and LEED (Leadership in Energy & Environmental Design) Certified.

Client

State of West Virginia
Department of Transportation
Division of Public Transit
Building 5, Room 906
1900 Kanawha Blvd., East
Charleston, WV 25305-0432

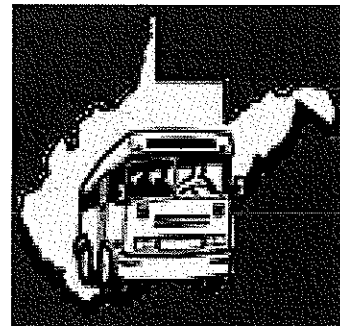
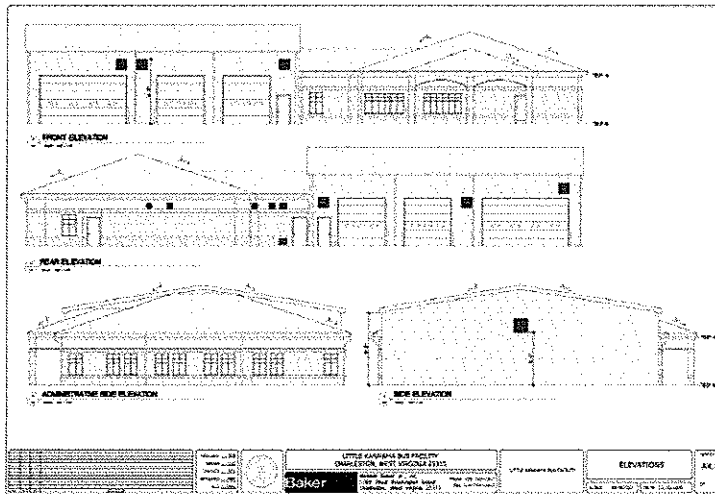
Ms. Susan O'Connell, Director
304-558-9018

Completion Date

Estimated: 2011

Baker's Role

- Architecture
- Civil Engineering
- Mechanical Engineering
- Landscape architecture
- Structural Engineering
- Bid Phase Services
- Construction Inspection
- Constructability Analysis
- Estimating



Bus Maintenance Facility

Baltimore/Washington International Airport (BWI), Baltimore, MD

To support the new consolidated rental car facility at Baltimore/Washington International (BWI) Airport a new fleet of buses, and a new facility to maintain them was required. The initial fleet size required was 25 buses, growing to an ultimate size of 40. Baker designed a 22,450 square foot building on a 12-acre site in close proximity to the rental car facility. The building provides for administrative space, four maintenance bays, shop space, break rooms, lockers, shower and toilet facilities, parts and equipment storage, maintenance equipment, building support areas, and vehicle wash and detail facilities. Features of the site include a controlled access entry, employee parking, and bus staging and cue areas employing a counter-clockwise site circulation pattern. Environmental requirements were met with the use of a storm filter system for water quality, and a storm sewer system with a detention pond for water quantity. Accommodations were made for a Compressed Natural Gas (CNG) facility on-site, which is planned for future construction.

The Bus Maintenance Facility was a successful project due in large part to an organized planning and design process, involving close client and end user coordination. The facility's design plan responded to the programming, planning and conceptual efforts developed in conjunction with various user groups with respect to organization, planning and user amenities layout. Baker has been involved with this project from inception through construction, performing the following project tasks:

Site Planning. After the kick-off meeting, the initial task for the feasibility study, planning and conceptual design was to review any site constraints and limitations. Consideration included a review of the additional bus traffic regarding its impact on existing intersections. The design team studied environmental concerns specific to the selected site including previous reforestation areas, wetlands, endangered plants and species and archaeological sites including existing cemeteries. Important functional site relationships were reviewed relative to the adjacent properties, the airport runway, the Consolidated Rental Car Facility and Customer Service Building, and the new BWI Tenant Parking Facility.

The design team investigated any applicable zoning and code impacts, utility location and access, fuel storage, bus washing facilities, storage, parking and

Client

Maryland Aviation Administration
PO Box 8766
Third Floor, Terminal Building
BWI Airport, MD 21240-0766

Benjamin Chin, P.E.
Manager, Design
410-859-7093

Completion Date

2004

Baker's Role

- Site Planning
- Programming
- Program Comparison
- Fueling Options
- Design Charrette
- Preliminary Design Report
- Design Phase Services
- Bidding Assistance
- Construction Phase Services
- Operator Selection



loading dock requirements for spare parts and tires.

Baker initiated coordination with Anne Arundel County Planning Department. Issues arose from the proposed facility's proximity to the existing Church and western site development (by Rock Realty). This included County road requirements, adjacent Smith Farm Road easements, water system requirements, sanitary sewer system requirements, and others. Baker reviewed potential wastewater pretreatment requirements that the County may require for discharge into the sanitary sewers.



Programming. Baker pursued a proactive regimen and initiated formal questions (via email) to develop programmatic requirements. This effort included future staff projection and growth for the bus maintenance facility. This effort was supplemented by a 2-hour teleconference meeting with Maryland Aviation Administration (MAA) to discuss three initially developed schemes. The program requirements included:

- Data collection from individual user groups including MAA, MAA's Program Manager, and the Rental Car Agencies (RACs)
- Current and future staff projections;
- Growth for the Bus Maintenance Facility;
- Typical work standards (spatial relationships for maintenance and administrative staff) development.
- Preliminary program diagrams development.
- Teleconference interviews with MAA user groups to review preliminary program and determine adjacency requirements.
- Blocking and stacking.

From the teleconference conversation, the diagrammatic development process was undertaken. This included:

- Revised blocking and stacking diagrams.
- Final program document development.
- Initial space and interior room layout.
- Narrowed the conceptual design to two schemes

Program Comparison. Baker provided a program comparison between the proposed concepts for BWI and similar built facilities. Four closely sized maintenance facilities were selected and reviewed to verify the proposed building square footage, namely:

- Consolidated Rental Car Bus Maintenance Facility at George Bush Intercontinental Airport, Houston, Texas
- El Metro Facility in Laredo, Texas
- Beaver County Transit Authority's (BCTA) Expressway Travel Center and Maintenance Facility in Center, Pennsylvania
- Cuyahoga County Board of Mental Retardation (CCBMR) East Transportation Facility in Cleveland, Ohio.



Fueling Options. Baker studied the pros and cons of building a diesel versus a CNG-fueled maintenance facility. The study demonstrated that additional safety measures were required for a CNG facility (i.e. explosion-proof fixtures, radiant floor heating, etc.), and a gas line had to be installed to service the site. Despite the higher costs, MAA chose to go with a CNG facility, and use the cleaner running CNG buses. Baker contacted four third party vendors for designing, building, operating, and maintaining the proposed CNG fueling facility for a minimum duration of 8 to 10 years. MAA ultimately decided to use the existing CNG fueling facility at BWI Airport for the immediate future.

Design Charrette. Baker hosted a day-long design charrette with key personnel from MAA and their Program Manager. Two conceptual plans were prepared for discussion at the charrette. The conceptual plans included existing and proposed contours; property lines, preliminary storm water management requirements and plans, utility service plan, parking, preliminary horizontal mapping, and the building floor plan layout. This offered the opportunity to discuss in great detail the programming needs and requirements for the Bus Maintenance Facility.

Preliminary Design Report. The final conceptual design was documented in a final feasibility and planning/programming report. All preliminary design documentation was included and summarized to including a discussion of all areas of investigation; description of alternatives; recommendations; preliminary construction phasing; and preliminary costs including design, construction, and construction management/inspection costs.

A project schedule was also prepared as part of the Preliminary Design Report. The schedule included milestones for the design and construction phases of the project. Milestones for the design phase included a Conceptual, 40%, 60%, 90% and Final Bid Document submittals of the plans and specifications; submittal of Engineer's Report and Safety/Phasing Plans; and submittal of documents to the Maryland Department of the Environment for Erosion and Sediment Control and Stormwater Management approval. Milestones for the construction phase were based on the Preliminary Construction Phasing Plan.

A “pre-final” conceptual design was presented at the “Draft” Preliminary Design Report Meeting. The purpose of this meeting was to present the “draft” report to the attendees. Specific emphasis of this meeting was to inform the Rental Car Agency Representatives of the concepts developed and discussions held to date on the Bus Maintenance Facility Project. The comments from this meeting were included in the final report, which formalized the design criteria for the Final Design Phase of the project.

Design Phase Services. Baker prepared a series of submissions consisting of technical specifications from the 40%, 60%, 90%, and Final levels of design. Comments were received on each submission, and incorporated into the subsequent submission. Baker formulated an Internal Technical Review Team to conduct peer reviews of all project elements, including that of subconsultants.

Bidding Assistance. Plans and Specifications were reproduced and distributed as required to obtain competitive levels for the construction of each package. Contract bid documents were distributed to MAA Divisions; all prospective bidders; plan rooms and minority business clearing houses; and agencies as requested.

A Prebid Conference was conducted at MAA’s offices to familiarize bidders with the scope of the project, the project site, and the conditions and stipulations upon which the bid was to be offered. Baker prepared the agenda for this meeting and led the appropriate parts. A tour of the project site was given following the meeting.

A meeting record was prepared, as with a list of bidder’s questions and clarifications to those questions. These were issued as part of Addendum No.1 to further clarify bid requirements and technical issues.

When bids were received, Baker tabulated, checked for accuracy, compared to the Engineer’s Estimate, and analyzed for responsiveness. Baker prepared a Recommendation of Award for the construction contract, with all supporting analyses and justification needed for presentation by MAA to the Board of Public Works.

Construction Phase Services. Baker attended the Pre-Construction Conference to answer questions and discuss issues regarding the plans and specifications. Other construction phase tasks included reviewing shop drawings and submittals, providing responses to Requests for Information (RFI), performing periodic site inspections, consulting as required, and preparing As-Built drawings.

Operator Selection. Baker provided assistance to MAA and the RAC’s for the proposal for the selection of the operator of the Bus Maintenance Facility, including preparing exhibits, and assisting with the compilation of operating and maintenance items from the equipment specifications.

New DASH Bus Maintenance Facility

Alexandria, Virginia

Baker is providing planning, architectural, interior design, and structural engineering services for a new, \$35 million, design-build bus maintenance facility for Alexandria's multimodal transit system, Driving Alexandria's Safely Home (DASH).

The new 156,500-square-foot building provides administrative, operations, maintenance, and bus storage space for up to 96 buses, with expansion capability to 130 buses. The maintenance garage includes 10 bus maintenance bays, with two bus fueling and washing lanes. All bus storage is covered and heated to minimize the impact of cold weather on operations. Driver spaces feature locker rooms, quiet room, and an exercise facility. The facility also includes a 99,800-square-foot rooftop parking deck.

Baker designed the building to achieve the U.S. Green Building Council's Leadership in Energy and Environmental Design (LEED®) Silver rating standards. The design incorporates many environmentally friendly features, such as natural lighting in the shops and offices, bus wash-water reclamation, and in-ground bus lifts, which capture oil and other chemicals and prevent them from leaking onto the ground. The facility design also meets Americans with Disabilities Act requirements.

The new bus maintenance facility is the first design-build transit project of its kind to be approved by the Commonwealth of Virginia Transportation Board and the Virginia Department of Transportation. Funded by a combination of state, local, and federal appropriations, the project had to meet the requirements of all the funding agencies and is now the test case for such projects in Virginia.



Client

City of Alexandria, Virginia
Dept. of Transportation &
Environmental Services
301 King Street
Alexandria, VA 22314

Jeremy McPike
Division Chief, Capital Projects
703-838-4770

Michael Barker
703-370-4590

Adrian King
City of Alexandria, Project
Manager
703-838-4376 x227

Completion Date

Estimated: 2010

Project Costs

\$35,000,000 (Construction)

Baker's Role

- Planning
- Architecture
- Interior Design
- Structural Engineering

New Britain-Hartford Bus Rapid Transit (BRT)

New Britain and Hartford, Connecticut

The New Britain-Hartford Busway was the recommended alternative from a Major Investment Study of the Hartford West Corridor. The busway will be a Bus Rapid Transit (BRT) facility connecting New Britain, Newington, West Hartford, and Hartford, Connecticut. The 9.4 mile-long busway will run along inactive and active railroad corridors. It will consist of a two-lane bus-only roadway and 10 stations that will include sheltered platforms and other amenities.

The New Britain-Hartford Busway was selected as one of 10 Federal Transit Administrations BRT demonstration projects. The BRT initiative aims to implement projects which improve the speed, reliability and convenience of bus service, along with improving mobility and promoting a healthy environment.

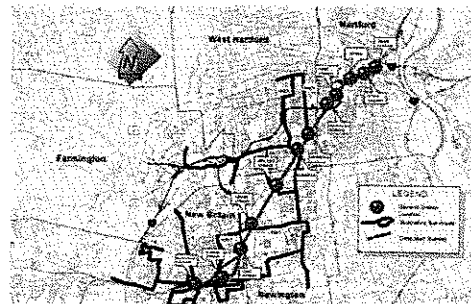
The project is currently in the final design stage, which is expected to last until May 2011. It is anticipated that the project will proceed as a design/bid/build project, with construction scheduled for completion in December 2013. Current planning is to issue multiple design/bid/build contracts for the busway.

Project challenges include: shared right-of-way with Amtrak, utility relocations, ITS applications, station area development, and working with four different municipalities and ConnDOT.

Baker is providing program management, surveying, preliminary design, environmental support, right-of-way services, review of final design, and construction management services to ConnDOT.

Project Features

- Busway Design
- Station Design
- Intense Community Involvement
- Transit Oriented Development
- Intelligent Transportation Systems
- Railroad Relocation
- New/Rehabilitated Bridges
- Design/Bid/Build
- Multi-use Trail



Client

Connecticut Department of Transportation
2800 Berlin Turnpike
P.O. Box 317546
Newington, CT 06131-7546

Mark D. Rolfe, P.E.

Construction Division Chief
860-594-2660

Completion Date

Estimated: 2010

Project Costs

\$550,000,000 (Construction)

Baker's Role

- Program Management
- Preliminary Design
- Reviews of Final Design
- Construction Management

West Ox Bus Maintenance Facility Design

Fairfax, Virginia

The West Ox Bus Operations Facility can accommodate operations and maintenance for a combined fleet of up to 300 Washington Metropolitan Area Transit Authority (WMATA) and Fairfax Connector buses. The project was phased such that the first phase provided fully functional facilities for 150 buses while serving the unique needs of each operator. It provides shared spaces which were operationally feasible to reduce redundant program area. After in-depth user and owner interviews and meetings a program was developed, which incorporated the needs of both users. The preliminary functional site and building designs were developed during a weeklong Design Charrette, which included intensive meetings involving users, County agencies and the design team. This process included presentations, analysis and redesign as necessary to satisfy the needs of all stakeholders. The conceptual floor plans for all three buildings were developed, modified and further discussed until consensus was reached on the final layouts. The site and building were developed and program adjusted to accommodate opportunities realized during the interactive design process. The schematic design provided for both, Phase I, 150 bus and Phase II, 300 bus facilities.

Ultimately it was decided that three separate buildings allowed the most efficient use of the site and provided the highest level of safety. The maintenance facilities occupy the main facility along the southern edge of the site, which also acts as a buffer to a nearby residential neighborhood across the Parkway. It will provide space for 13 maintenance bays in Phase I and an additional 13 in phase two. A paint and body shop were moved into the Phase I development. The administration and operations components are separated from the maintenance facilities and located in a separate building adjacent to the employee parking area, which will help to reduce the need for bus drivers to cross bus circulation as often as a single building layout would. The fuel and wash facilities are located near the north face of the maintenance building. This location provides some space saving opportunities due to proximity and eliminated most non-service related bus circulation from the maintenance bay entrance area. The current program requires approximately 96,000 SF of building area in Phase I and another 38,000 SF in Phase II.

Client

County of Fairfax
DIT Administration
12000 Government Center Parkway
Fifth Floor, Suite 527
Fairfax, VA 22035

Hossein Malayeri, P.E.

703-324-2992

Completion Date

2007

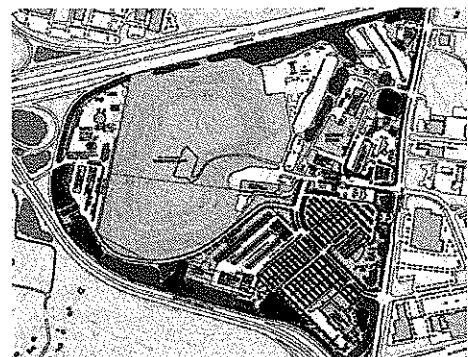
Project Costs

\$31,000,000 (Construction)

\$1,351,707 (Fee)

Baker's Role

- Planning
- Architecture
- Mechanical Engineering
- Electrical Engineering
- Structural Engineering
- Transportation Engineering



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.

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.

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



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.



Part 7 – Resumes

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

Charleston Office Manager, Principal-In-Charge

General Qualifications

Mr. Hall is an experienced transportation engineer who has been involved in numerous bridge and highway design projects in West Virginia for over 23 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, 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.

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

Years with Baker: 5

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

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.

Project Manager

General Qualifications

Mr. Fogarty is an asset to the Baker team with over 24 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

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.

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

Years with Baker: 5

Years with Other Firms: 19

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

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 Green Associate

Senior Architect

General Qualifications

Mr. Bolen brings over 35 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.

Experience

A/E Services for the Harrison County Extension Service and the Parks and Recreation –Clarksburg, West Virginia. *Harrison County Commission, Clarksburg, West Virginia.* Project Manager. Responsible for Design, Document Preparation, and Construction Administration for the renovation of an existing facility for use as Administrative Offices and as Storage Facility. The Harrison County Commission selected Baker to provide complete design and construction administration services for architectural improvements. The existing facility located near Clarksburg, West Virginia was originally constructed in the early 1960's and was used recently as a business for a local exterminating firm. Over the years, there have been additions and upgrades to the facility. Baker was selected by the Harrison Co. Commission to upgrade of front area of the facility for the Harrison County Extension Service's offices and back area of the facility for use as storage by the Harrison County Parks and Recreation. With funding through a ARRA Stimulus Grant, the Owner desires the modernization of approximately 6,000 square feet of existing with appropriate "Green Building" materials. Upgrades of the exterior doors and windows, interior partitions and finishes replacing the outdated heating, ventilation, and air conditioning equipment, and replacing the existing electrical service with energy efficient product. Total project elements included new acoustical ceilings, flooring, energy-saving light fixtures, duplex outlets, communications jacks, alterations to the existing floor plan, exterior window and door replacements, new interior doors and hardware, new wall finishes, updated water saving toilet facilities and a new energy efficient HVAC system. Baker is currently working closely with the client during the planning phase to define a project scope to upgrade the existing facility into an energy efficient facility and within their budget.

Years with Baker: 1
Years with Other Firms: 35+

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)

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

Main Harts Creek Vol. Fire Station *Main Harts Creek Vol. Fire Department.*

As Project Manager, Mr. Bolen provided services from pre-design through all phases of document preparation, consultant coordination, and client relations. The design was for renovation to an existing emergency medical service facility by modifying it to meet the surrounding area's needs. The facility houses six emergency vehicles, dayroom area, kitchenette, two bunkrooms, toilets and showers.

Raleigh Co. Board of Education Bus Maintenance Facility *Raleigh County Board of Education.*

Mr. Bolen performed duties as Project Manager Services through From Schematic Design through Contract Document. Design for a new facility to replace an existing building for the Bus Maintenance program with new facility within the required state guidelines.

Ghent Maintenance Facility *WV Parkways Authority.* As Project Manager, Ron provided services through pre-design and all phases of document preparation, consultant coordination, client relations, and construction

administration. This new facility design replaced an existing building for the Snow Removal Vehicle Maintenance Program. The WV Parkways Authority funded this project.

Standard Maintenance Facility *WV Parkways Authority*. As Project Manager, Ron provided services through pre-design and all phases of document preparation, consultant coordination, client relations, and construction administration. The new facility design replaced the existing building for the Snow Removal Vehicle Maintenance Program. The WV Parkways Authority funded this project.

Ronceverte Vol. Fire Station & Community Center *Ronceverte Vol. Fire Department*.

As Principal / Project Manager, Mr. Bolen provided services from pre-design through all phases of document preparation, consultant coordination, client relations, and construction administration. The design replaced an existing fire station. The facility was designed with five truck bays, office spaces, and conference hall, large meeting hall, toilets, and kitchen facilities and equipped with facilities for community flood relief.

Glennville State College, *Glennville, West Virginia*

Mr. Bolen provided Project Manager Services for the development of two projects at Glennville State College as follows:

- ◆ Science Hall – Mr. Bolen provided Project Manager Services through Pre-design and all phases of Document Preparation, Consultant Coordination, Client Relations, and Construction Administration. Design for an addition of four-story office complex with elevator, making an existing building ADA accessible.
- ◆ Louis Bennett Hall – Mr. Bolen provided Project Manager Services through Pre-design and all phases of Document Preparation, Consultant Coordination, Client Relations, and Construction Administration. Design for a addition of three story office complex with elevator and walking bridge between two buildings, (Louis Bennett Hall and Administration Building) making each existing building ADA accessible.

West Virginia University, *Morgantown, West Virginia*

Mr. Bolen provided Project Manager Services for the development of two projects at West Virginia University as follows:

- ◆ Ruby Memorial Hospital – Mr. Bolen provided Project Job Captain & CADD tech services through Design Development and Contract Document. Design for an addition renovation to an existing facility for the ICU department with the University Hospital.
- ◆ WVU – Indoor Practice Facility – Mr. Bolen provided Project Job Captain & CADD tech services through the Programming and Pre Design phase for an addition Design Build project to an provide a new indoor sports practice facility for the Athletic Department with the University.
- ◆ WVU – Natatorium Facility – Mr. Bolen provided Project Job Captain & CADD tech services through the Programming and Pre Design phase for an addition Design Build project to provide an addition to the existing natatorium facility for the Athletic Department with the University.

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)

Comprehensive Education Facilities Plans (CEFP) 2000-2010

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 CEFPP plan in conjunction with educational component of DeJong and Associates in the development of their CEFPP:

- ◆ 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 auxiliary spaces for an existing school which was flooded and provided the project within the required state guidelines.

A/E Services for Beckley Elementary School. *Raleigh County Board of Education.*
Mr. Bolen provided Project Manager Services from pre-design through all phases of document preparation, consultant coordination, client relations, and construction administration. This new facility design replaced two existing schools within the required state guidelines and funded by the School Building Authority.

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.

A/E Services for Daniels Elementary School. *Raleigh 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 / addition design replaced two existing schools within the required state guidelines, and the project was funded by the School Building Authority.

A/E Services for Cheat Lake Elementary and Middle School. *Monongahela County Board of Education.*
Mr. Bolen was Project Job Captain through Pre Design and all phases of Document Preparation, Consultant Coordination, and Client Relations. Design for a major addition / renovation to the existing facility to replace four existing schools with new facility within the required state guidelines. The two schools shared the dining / kitchen facilities.

A/E Services for Lincoln County High School. *Lincoln County Board of Education.*
As Project Architect, Ron provided services through Contract Document Preparation. Design for a new facility to replace two existing schools with new facility within the required state guidelines. This project included new administration, kitchen / dining, gymnasium, classrooms and labs. The project was a silver LEED designed project.

A/E Services for Roane County High School. *Roane County Board of Education.*
Ron performed duties as Project Job Captain through Pre Design and all phases of Document Preparation, Consultant Coordination, and Client Relations. Design for a new facility to replace two existing schools with new facility within the required state guidelines. The project included new administration, kitchen / dining, gymnasium, classrooms and labs. This project won the state AIA Design Award.

North Central Regional Juvenile Detention Center. *WV Division of Juvenile Services, Parkersburg, WV.*
Mr. Bolen provided construction administration services during the renovation and expansion of the North Central Juvenile Detention Center. Responsibilities included site visits, periodic project walk through, documentation of contractor progress, and approving contractor billings.

Sam Perdue Juvenile Detention Center. *WV Division of Juvenile Services, Princeton, WV.*
Mr. Bolen provided bidding and construction administration services during the renovation and expansion of the South Regional Juvenile Detention Center. Responsibilities included site visits, periodic project walk through, documentation of contractor progress, and approving contractor billings.

David J. Hilliard

Senior Mechanical Designer

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 the complex mechanical design of such projects as the complex CAMC Hospital, 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.

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 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.

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

Years with Baker: 1

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

Professional Affiliations

ASME

ASHRAE

SMACNA

-
- 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.

Mountain State University School of Business and Applied Technologies; Beckley WV

Mr. Hilliard worked on Design Evaluation and Coordination of the Mechanical System. He prepared shop drawings and coordinated construction.

Southern West Virginia Community and Technical College; Mount Gay WV

Mr. Hilliard was charged to Value Engineer and Coordinated Construction of this three story building. He prepared VE shop drawings which were instrumental in returning money to the owner.

Air National Guard Maintenance Facility; Ashland KY

Mr. Hilliard worked on coordination drawings and managed construction of the HVAC system; including infrared heat, gas unit heaters, auto fume exhaust and make-up air.

City of Charleston Fire Department -2; Virginia Street West, Charleston WV

Mr. Hilliard prepared shop and construction drawings for the HVAC system including gas unit heaters, Carmon retractable auto fume exhaust and make-up air facilities.

Jackson County High School, Jackson, OH

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.

Huntington High School, Huntington, WV

Mr. Hilliard worked on Design Evaluation and Coordination of the Heat Pump Mechanical System. He prepared shop drawings and coordination drawings. His duties also included Construction Administration.

Other miscellaneous projects

Waverly City Schools, Waverly, OH (Three schools were built in the same complex. Elementary, Middle and High School).

Kings Daughters Medical Center Parkview addition, Ashland, KY

Emergency Response Center (911) Huntington, WV

Army National Guard Construction & Facilities Management Office, Charleston, WV

Mountaineer Challenge Academy, Camp Dawson Kingwood, WV

PREVIOUS WORK HISTORY

Air Systems Sheet Metal Company; Contractors & Engineers, 1990 - 2009, Drafter / Designer / Construction Manager / Estimator. Air Systems is currently the largest sheet metal contractor in West Virginia. They engineer, fabricate and install both commercial HVAC and industrial ventilation systems in the tri-state area.

During his tenure at Air Systems, he managed and directed the drafting and design department preparing shop, design and value engineered drawings. He also worked as a project coordinator for HVAC ductwork, piping, plumbing and sprinkler. Estimating jobs (QuickPen software), construction management, submittal review, procurement of supplies and air balancing were also part of his working experience at Air Systems.

CS Lewis Contracting Co., 1985 - 1990, Partner, Designer/Builder. As a business partner he designed and built homes and light commercial building from the ground up; including plumbing, electrical, HVAC. He also supervised the installation of underground utilities and concrete roads for various subdivisions; running a six to twelve men crew.

Xenia Construction Co., 1979 - 1984, Commercial Carpenter/Mason. Worked as a carpenter and concrete mason building mid-sized commercial buildings and half million dollar homes.

Brown & Root Construction Co., 1975 - 1978, Structural Fitter. In Houston Texas, Mr. Hilliard worked high steel in an Arco Petroleum Refinery as a pipe hanger fitter. The work included; layout, fabrication and installation of steel supports and hangers for pipe ranging from 1.5" to 102" in diameter.

Sinclair Construction Co., 1972 - 1975, Residential Carpenter. Carpenter and mason's helper on a wide range of new home construction.

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 7 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 taught 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 mentored 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.

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

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

Years with Baker: 1

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

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.

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.

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

Landscape Architect

General Qualifications

Mr. Schoolcraft has over 19 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.

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 an 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.

Years with Baker: 3

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

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.

Lost Creek Train Depot Improvements, Lost Creek, West Virginia. *Town of Lost Creek and the Harrison County Commission.* Project Landscape Architect. Responsible for concept planning design and document quality oversight. The Town of Lost Creek retained Baker for the planning and design of the rehabilitation of a historic train depot adjacent to the Harrison County Rail Trail. Phase I involved foundation work associated with the structure. Over the years, surface drainage had migrated under the building and deteriorated many of the posts and portions of the beams. Baker prepared a plan to raise the structure, make repairs to the deteriorated timber, excavate and place the concrete foundation system, then lower the structure to rest on the new foundation. The foundation system included a new perimeter concrete wall foundation to support the posts and exterior floor beams. The interior beam was supported by concrete piers on spread footings. The perimeter concrete wall will raise the finish floor elevation by 12" and provide a barrier against storm water intrusion.

City of Parsons Sidewalk Improvements Project, Parsons, West Virginia. *City of Parsons.* Project Manager. Responsible for design and document quality oversight. Baker performed complete planning, design, and construction management services for new sidewalks and storm sewer improvements for various locations in historic Parsons, Tucker County. The improvements included concrete sidewalks with adjacent 2-foot lawn panels, new curbing, driveway curb cuts, ADA accessible curb ramps with truncated domes, ladder-style crosswalks, storm water improvements, benches, trash receptacles, and landscaping. The final design made accommodations for original wrought-iron fencing at various locations, and a historic "carriage step" from the turn of the century. Baker is currently providing construction administration and periodic site review during construction.

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

Salem Train Depot & Trailhead, North Bend Rail Trail, Salem, West Virginia. *WYK Associates, Inc. and the Town of Salem.* Project Landscape Architect. Responsible for design development and construction document preparation. Teamed with WYK Associates, prepared detailed plans and specifications for site improvements to support architectural improvements to the Train Depot, which served as trailhead for the

North Bend Rail Trail. As well as the renovation to the historic train depot, site amenities included, brick walkways, period lighting, wrought iron benches and trash receptacles, and storm sewer improvements.

KRT / Amtrak Train Station, Montgomery, West Virginia. *City of Montgomery.* Project Manager. Responsible for design and document quality oversight. Prepared detailed design, construction documents, provided bidding and construction management services for improvements to the combined Amtrak Train Station and Kanawha Rapid Transit (KRT) Bus Stop in Montgomery, WV. Project consisted of an outdoor canopy shelter, concrete sidewalk replacement, lighting, concrete retaining walls, ornamental railing, wheelchair ramp, concrete steps with ornamental hand railing, truncated dome panels, storm sewer, benches and trash receptacles. The project was bid using unit costs resulting in the base bid award, plus the addition of several park benches added based unit prices submitted by the contractor. The City went on to use many of the proposed amenities and materials in this project for other street and sidewalk improvement projects.

Historic Saint Albans Train Station Master Plan, St. Albans, West Virginia. *City of St. Albans.* Project Landscape Architect. Responsible for concept development and master plan graphics. Prepared schematic design and concepts for a proposed master plan for the Historic Saint Albans Train Station in St. Albans, Kanawha County, WV. Plan consisted of an outdoor plaza space, specialty pavers, period lighting, benches and trash receptacles.

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.

Hancock County Courthouse and Police Station ADA 504 Plan, New Cumberland, West Virginia. *Hancock County Commission.* Project Manager. Responsible for field inventory and analysis, plan preparation, research and review. Prepared an ADA Section 504 Transition Plan for the Hancock County Courthouse and the Hancock County Jail. After extensive inventories of the courthouse and jail facilities, the many existing obstacles and barriers were identified that deter public access. The accessibility assessment was then prepared to include a Policy of Non-Discrimination, Self-Evaluation for Compliance with Section 504 of the Rehabilitation Act of 1973, survey of items not in compliance with Americans with Disabilities (ADA) Act standards, recommendations for improvements of the identified problems with projected dates for completion, and a list of vendors able to supply the needed equipment, material, or hardware needed.

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.

Logan County Courthouse Accessibility Improvements, Logan, West Virginia. *Logan County Commission.* Project Manager. Responsible for design and document quality oversight. Prepared detailed design, construction documents, provided bidding and construction management services for improvements to the Logan County Courthouse in Logan, WV. Project consisted of the design and construction of a new wheelchair accessible ADA compliant concrete ramp that was sympathetic to the existing structure and fit well into the architectural fabric and style of the building. Other improvements included granite veneer

panels, ornamental aluminum handrails, automatic door openers, security upgrades (swipe cards), concrete sidewalks and curbing, lighting, concrete retaining walls, truncated dome panels, and benches.

Stonewall Jackson Lake Resort State Park, Weston, West Virginia. *McCabe-Henley-Durbin, LLP and WVDNR, Parks & Recreation.* Project Landscape Architect. Responsible for master planning, conceptual design, detailed design, construction documents, bidding, and construction administration. Assisted in the development of a Master Plan for the expansion of Stonewall Jackson Lake State Park into a Resort Park. Further developed concepts, and finally detailed design and construction documents for the site development of a 200-room lodge with conference facilities and restaurants, patio and deck overlooking the lake, children's playground, 8 exposed timber-frame deluxe cabins, 18-hole Arnold Palmer Signature Golf Course with Clubhouse, maintenance facility, parking lots, roads, utilities, trails, campgrounds, boat launch ramp, boat dock, and other recreational facilities for this highly successful public/private joint venture to expand the facilities at Stonewall Jackson Lake near Weston, Lewis County, West Virginia.

Mud River Lake Recreation Area, Lincoln County, West Virginia. *US Soil Conservation Service.* Landscape Architect. Master planning, conceptual design, detailed design, and construction document preparation. Assisted in the development of a Master Plan and construction documents for the development of a recreational facility associated with the flood control impoundment, Mud River Lake, Lincoln County, West Virginia. Plans included a bath house, beach and swimming area, two comfort stations, boat launch facility, handicap accessible fishing pier, playgrounds, picnic shelters, water treatment facility, sewer treatment plant, maintenance facility, parking lots, roads, lighting, signage, trails, and other amenities for this destination fishing and recreation facility.

West Virginia State Parks Accessible Cabins, State of West Virginia. *West Virginia Department of Natural Resources, Division of Parks & Recreation.* Project Landscape Architect. Responsible for field inventory and analysis, base map preparation, site selection, conceptual design, and construction document preparation. Developed construction documents for \$3,300,000.00 in new ADA-compliant deluxe cabins for the following WV State Parks and Forests: Twin Falls State Park, Pipestem State Park, Bluestone State Park, Greenbrier State Forest, Watoga State Park, Seneca State Forest, Holly River State Park, Kumbrabow State Forest, Tygart Lake State Park, Blackwater Falls State Park, Lost River State Park, and Cacapon State Park.

Various Military Installation Improvements, Camp Arifjan, Kuwait. *Directorate of Public Works, Post Engineer.* Project Manager. While on deployment in the Middle East with the 111th Engineer Group, West Virginia Army National Guard (WVARNG) was tasked to perform various improvements to Camp Arifjan through the Directorate of Public Works (DPW) and the Post Engineer. Projects included the Camden Yard Engineer Troop Wash Point; DPW Morale, Welfare and Recreation (MWR) Restroom Facility; DPW Third Country Nationals (TCN) Restroom Additions; and many other improvements.

Offices Held

- Current Secretary, WV State Board of Landscape Architects
- Past Treasurer, WV State Board of Landscape Architects
- Past President, WV Chapter American Society of Landscape Architects
- Past Treasurer, WV Chapter American Society of Landscape Architects
- Past Secretary, WV Chapter American Society of Landscape Architects

Honors and Awards

- WV Chapter – ASLA; 2009 Merit Award – Historic Wellsburg / Bethany Scenic Byway
- WV Chapter – ASLA; 2008 Merit Award – Kanawha/Putnam County Bicycle – Pedestrian Plan
- WV Chapter – ASLA; 2005 Merit Award – Russell Residence House and Site Improvements
- United States Army; 2003 Bronze Star – Operation Iraqi Freedom
- ASLA; 1999 Medallion Award – Charleston Village District Streetscapes
- WV Chapter – ASLA; 1999 Merit Award – Tamarack: The Best of West Virginia
- WV Chapter – ASLA; 1995 Honor Award – NorthGate Business Park

Laura L. Cox, PLA, ASLA
Landscape Architect

General Qualifications

Ms. Cox is a Registered Landscape Architect with over 30 years of experience in the fields of landscape architecture and land planning. She has knowledge of all phases of design from site analysis and conceptual planning through construction documentation, permitting and administration. Her design experience includes large scale site preparation and grading, drainage analysis, storm water conveyance and detention, and utility and infrastructure design.

Ms. Cox has an extensive background in site and land use planning for counties and municipalities including, feasibility studies, review and evaluation of preliminary and final subdivision plans, special exceptions, rezoning applications, yield studies, special use permits and client representation at public hearings and meetings with civic groups.

Experience

Dunbar Zoning Update, Dunbar, West Virginia. *City of Dunbar.* Planner. Responsible for assisting the Dunbar Planning Commission in the necessary public involvement process, as well as ordinance writing, research, mapping and coordination efforts for this project.

West Virginia Army National Guard - Tag Wing Improvement, Charleston, West Virginia. *State Army National Guard Headquarters.* Landscape Architect. Assisted in the preparation of the construction documents. 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.

Parsons City-Wide Comprehensive Parks and Recreation Master Plan, Parsons, West Virginia. *Parsons Park Board, Inc.* Landscape Architect. Assisted in the plan preparation and public outreach for this project. Baker prepared a Master Plan of improvements and recommendations for existing and proposed parks and recreation amenities for the City of Parsons, WV. The City, over time, had acquired many parcels of FEMA-condemned properties due to the flood-prone topography of Parsons; in an effort to properly manage 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 developed with recommendations for ball fields, hiking and biking trails, recreation center, miniature golf course, play structures, picnic facilities, ADA-compliant fishing access, interpretive signage, and landscaping improvements for existing and new park areas.

Little Kanawha Bus Facility, Calhoun County, West Virginia. *WV Division of Public Transit.* Landscape Architect. Responsible for all aspects of site/civil design for this project. Baker is providing architectural and engineering services, 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

Years with Baker: 3

Years with Other Firms: 27

Education

B.S., 1978, Landscape Architecture,
West Virginia University

Certificate, 1995, Computer Aided
Drafting, Putnam County Technical
Center

Licenses/Certifications

Landscape Architect, Virginia, 1987

NICET III Transportation-Highway
Construction, West Virginia, 1983

Registered Landscape Architect,
West Virginia, 2008

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.

Ararat River Restoration, Greenway, and Parks Project, Mount Airy, North Carolina. *City of Mount Airy, North Carolina.* Landscape Architect. Assisted in the preparation of construction documents and provided construction administration and construction inspection for three (3) parks along the Ararat River in North Carolina. Baker is preparing construction documents and construction administration and inspection services for three parks along the Ararat River in North Carolina: the first park, Riverside Park, includes basketball courts, playground structures, parking areas, a premier soccer field, picnic shelters, nature trails, canoe launch facility, restrooms, fencing, signage and landscaping. Rowe Environmental Park will showcase environmental issues in the park design and construction including an outdoor amphitheater/classroom, picnic facilities, nature trails, parking area, pedestrian bridge to nearby middle school, fishing access and canoe launch facility. The final park, Tharrington Park, will include a premier soccer field, additional soccer fields to create a soccer complex, access road and parking, fitness trail, restroom facility, concessions, and maintenance building.

Country Roads Scenic Byway Corridor Management Plan, Boone, Logan and Mingo Counties, West Virginia. *Coalfield Convention and Visitors Bureau.* Landscape Architect. Assisted in field inventory and analysis, community input facilitation, and document preparation. Baker prepared a Corridor Management Plan for the Country Roads Byway in southern West Virginia in preparation for Federal recognition in the National Scenic Byway Program. The plan showcased the story of organized labor and its relation to the industrial revolution in West Virginia, as well as developing recreational opportunities and improving safety along the nearly 180-mile scenic corridor loop.

City of Parsons Sidewalk Improvements, Parsons, West Virginia. *City of Parsons.* Landscape Architect. Assisted in the preparation of construction documents. Baker performed complete planning, design, and construction management services for new sidewalks and streetscape elements for various areas within the City of Parsons. The improvements included concrete sidewalks with integral concrete curbs, driveway curb cuts, ADA accessible curb ramps with truncated domes, ladder-style crosswalks, and storm water management, landscape beds and street trees, side street parking elements, and wrought iron park benches and trash receptacles. Baker provided Construction Administration and inspection services as well as periodic site review during construction.

Town of Winfield Planning Services, Winfield, West Virginia. *Town of Winfield.* Planner. Responsibilities include acting as Planning Director to the Town, providing support directly to the Planning Commission and Town Staff, grant writing and advising the Town and the Mayor on various planning issues. Under an on-call planning agreement, Baker is providing a wide range of planning, architectural, and engineering services. Acting as city planner, Baker attends city council meetings and planning and zoning committee meetings on an as-needed basis, and receives planning assignments at those meetings. Assignments include review of planned development, zoning appeals, and proposed changes to the zoning ordinance.

Habitat for Humanity Restore Parking Lot and Rain Garden Project, Charleston, West Virginia. *Habitat for Humanity Corporation.* Project Landscape Architect. Responsible for design and construction document preparation. Baker performed complete planning and design services for a new parking lot that included a rain garden. This was a pilot project of the City of Charleston and is the City's first rain garden. This Low Impact Design element is an innovative solution to urban storm water detention problems.

Valley Park Sidewalk Improvements, Hurricane, West Virginia. *Putnam County Parks.* Landscape Architect. Assisted in complete planning, design, and construction management services for new sidewalks and streets improvements for access into Valley Park, Putnam County. Baker performed complete planning,

design, and construction management services for new sidewalks and street improvements for access into Valley Park, Putnam County. The improvements included concrete sidewalks with integral concrete curbs, driveway curb cuts, ADA accessible curb ramps with truncated domes, crosswalks, and storm water improvements. The park sidewalks now have a unique colored stamping of natural elements found in West Virginia, such as bear and raccoon tracks, leaves and flowers. Baker also provided construction administration and periodic inspection services.

US 33 Streetscape Improvement Project - Phase II, Mason, West Virginia. *Town of Mason.* Landscape Architect. Assisted in the preparation of construction documents. Baker performed complete detailed design, construction document preparation and construction management services for new sidewalks and storm sewer improvements the Mason Phase II Streetscape Project. The improvements included concrete sidewalks with integral concrete curbs, driveway curb cuts, ADA accessible curb ramps with truncated domes, ladder-style crosswalks, storm sewer improvements, benches and trash receptacles. Baker provided construction administration and inspection services.

Historic Wellsburg and Bethany Scenic Byway Corridor Management Plan, Brooke County, West Virginia. *Brooke County Commission.* Landscape Architect. Responsible for field inventory and analysis, community input facilitation, and document preparation. Helped prepare a Corridor Management Plan for the Historic Wellsburg and Bethany Scenic in preparation for Federal recognition in the National Scenic Byway Program. Baker developed a corridor management plan (CMP) for over 20 miles of roadway extending from S.R. 27 near Brooke Hills Park and onto S.R. 2 to S.R. 67 near Bethany College, as part of the application process to have the corridor designated a scenic byway by the West Virginia Department of Transportation and to encourage recreational use and economic development along the corridor.

North Bend Rail Trail Historic Depot and Trailhead Improvements, Pennsboro, West Virginia. *City of Pennsboro.* Landscape Architect. Assisted in the preparation of construction documents. Baker is providing engineering, bid support, and construction management services for the construction of improvements to the parking area of the historic B&O train depot and the Pennsboro trailhead to the North Bend Rail Trail, a 72-mile hiking, biking, and horseback-riding trail. Improvements include drainage, handicapped accessibility, drinking fountains, and landscaping.

Kanawha-Putnam Bike/Pedestrian Plan, Phase I, South Charleston. *Regional Intergovernmental Council.* Landscape Architect. Provided assistance in field inventory and analysis, plan preparation and graphic support. She helped perform a two-phase bicycle and pedestrian circulation study for Kanawha and Putnam Counties. Baker performed a cursory inventory of existing bicycle and pedestrian facilities, identified areas with a high level of bicycle and pedestrian activity, collected existing resources and performed a broad base public outreach effort to identify bicycle and pedestrian issues in Kanawha and Putnam Counties for the Regional Intergovernmental Council (RIC). All data, survey results and preliminary findings were compiled for analysis and incorporation into the final plan during Phase II of the study.

West Virginia State Capitol Campus Master Plan, Charleston, West Virginia. *State of WV General Services Division.* Landscape Architect. Responsibilities include assisting in various phases of the Master Planning effort including site analysis, design recommendations and coordination of graphics for publication.

Non-Baker Project Experience

Erma Byrd Center, Beaver, Raleigh County, West Virginia. *Southern West Virginia Community and Technical College.* Project Landscape Architect. Responsible for master planning of the campus, detailed design, and site construction document preparation. Developed site design and construction documents for the development of a new multi-purpose education facility. Future plans for the campus include additional buildings arrayed around a central water feature.

Miniature Golf Course at Chief Logan State Park, Logan County, West Virginia. *Environmental Design Group.* Consultant. Responsible for storm sewer design for a new recreational feature for the Park. Services included site drainage analysis and design of storm conveyance system.

Byrd Park Redevelopment Master plan, Richmond, Virginia. *Richmond Parks and Recreation Board.* Project Manager. Responsible for site inventory and analysis, public outreach and preparation of a revitalization master plan for one of the oldest parks in the City.

Glen Jean Armory, Glen Jean, Fayette County West Virginia. Staff Landscape Architect. Prepared Complete Landscaping and Entrance Area Ramps/Stairs Plans addressing ADA and force protection issues.

Logan Readiness Center, Logan, West Virginia. Staff Landscape Architect. Designed parking lot and sidewalk system and prepared Landscaping Plan

Jackson County National Guard Facility, Cottageville, West Virginia. Staff Landscape Architect. Provided preliminary site analysis and conceptual plans for public comment phase of the project.

Morgantown National Guard Facility, Morgantown, West Virginia. Staff Landscape Architect. Provided conceptual site plan for submission to client.

St Albans High School, St Albans West Virginia. *St. Albans School Board.* Staff Landscape Architect/ Civil Designer - Prepared Complete Phased Civil and Site Construction Drawings for entire campus plan.

Lincoln County High School, Hamlin, West Virginia. *Lincoln County Board of Education.* Staff Landscape Architect/ Civil Designer. Prepared Complete Phased Civil and Site Construction Drawings for entire campus plan, including design of DOH roadway and extensive site grading.

Southside Elementary/Southwest Middle School, Huntington, West Virginia. *Cabell County Board of Education.* Staff Landscape Architect/ Civil Designer - Prepared Complete Phased Civil/Site/Landscape Construction Drawings for urban campus plan, which included a sustainable underground storm collection system

Milton Middle School, Milton, West Virginia. *Cabell County Board of Education.* Staff Landscape Architect/ Civil Designer - Prepared Complete Phased Civil/Site Construction Drawings for rural campus plan, which included extensive site grading along with a sustainable underground storm collection system.

Previous Work History

Fauquier County Department of Community Development. Chief of Planning Division. Supervisor of the processing of land use applications. Supervision of a design review team; Organization and implementation of office procedures; Enforcement of subdivision and zoning ordinances; Review and evaluation of preliminary and final subdivision plans, special exceptions and rezonings; Answering public inquiries; Representing the county at public meetings. Providing reports and recommendations directly to the Fauquier County Planning Commission and Board of Supervisors. August 1990 - December 1993.

Land Design Concepts, Incorporated. Senior Planner/Office Manager. Oversight of office procedures and performed and supervised a broad spectrum of planning tasks. Staffing, organizing, marketing and supervising the equipping of an office for a new planning firm; Management of both office and planning staff; Overseeing all client contacts; Preparation and negotiation of contracts and billing; Preparing and processing rezoning applications, preliminary plans, feasibility studies, site and land use analysis, yield studies and conceptual design in Stafford and Spotsylvania Counties. June 1989 - August 1990.

Kidde Consultants. Chief, Planning & Landscape Architecture Section. Supervisor of all phases of planning and landscape architecture. Responsibilities included: Management of a planning team involved in various planning functions; Coordinating with and assisting clients' attorneys in obtaining rezonings, special exceptions and special use permits; Involved in contract preparation, negotiation and billings; Representing clients at public hearings and meetings with civic groups in Arlington, Fairfax, Prince William and Stafford Counties. August 1986 - May 1989.

WVDOT Division of Highways. Highway Design Technician. Responsible for highway design including repair and improvement. Horizontal and vertical layout of roads, quantity calculations, report graphics and drafting. December 1980 - April 1984.

Joseph L. Crowder, P.S.
Surveyor

General Qualifications

Mr. Crowder is currently employed as a surveyor at the Charleston, West Virginia office of Baker's South Region. Mr. Crowder has over 11 years of diverse experience that includes assignments in civil design, surveying, construction inspection and field testing.

Experience

CAMC-Flood Protection Project-Phase 1. *CAMC.* Surveyor. Assisted with field work during survey process. Also served as instrument person.

Coal River Energy-Aldrich Branch Permit. *Coal River Energy, LLC.* Surveyor. Assisted in GPS survey control for project. Also served as Instrument Person and Survey Party Chief during field surveys.

Commonwealth of Kentucky-Upper Cane Creek of Red River. *Commonwealth of Kentucky.* Surveyor. Participated as Instrument Person and Survey Party Chief to physically locate streams during survey. Also participated with GPS Surveying of control for Lidar Mapping of project.

Town of West Milford-Sidewalk Improvements, West Milford, West Virginia. *Town of West Milford.* Surveyor. Participated in construction stakeout and monitoring. Baker performed complete planning, design and construction management services for new sidewalks along U.S. Route 270 (Main Street) for the Town of West Milford. The improvements included concrete sidewalks with integral concrete curbs, driveway curb cuts, ADA accessible curb ramps with truncated domes, "ladder-style" crosswalks and storm drainage design. Baker provided Construction Administration and resident inspection services as well as periodic site review during construction.

Miscellaneous Surveying and Mapping Projects, Various Locations. *Columbia Gas Transmission Corporation.* Surveyor. Participated in duration of complete survey. Responsible for courthouse research, helped with actual field locations and mapping and plotting of deeds. Also, assisted in writing of legal description. Over the past nine years, Baker has performed well over 120 miles of extensive gas line surveys and mapping projects throughout the Columbia Gas System.

Non-Baker Project Experience

DuPont, near Washington Works Plant, Wood County, WV. Sampling of water wells. Assisted in gathering data from residents, locating potential sample points, such as old drilled water wells, cisterns, and springs. Assisted in actual water sampling using various methods - bailers, air pumps, etc.

Winfield ACF Site, ACF/Corps of Engineers, Winfield, WV. Work included Boundary, Topographic, Construction Layout, and Sample Point Layout of 15 acres along the Kanawha River. This project had over 12,000 sample points laid out on a 3' grid.

Years with Baker: 2
Years with Other Firms: 16
Education
A.S., 1989, Computer Aided Drafting, West Virginia State University
Licenses/Certifications
Real Estate License, West Virginia
Registered Land Surveyor, West Virginia

Poor Charlie, Riverside Site, Glasgow, WV; Poor Charlie, Sattes Site, Nitro, WV; Poor Charlie, Cramer Metals Site, Parkersburg, WV. Work included Boundary, Topographic, Location and Boring Stakeout of various VERA sites and adjoining properties.

Elkem Metals Disposal Facility, Elkem Metals, Alloy, WV. Work included Control Network, Boundary, Topographic Surveys, and yearly volume reports.

Solutia, Nitro, WV. Work included Boundary, Topographic and Location Surveys for various projects, disposal facility caps, charcoal filtering systems, and monitoring well control network throughout the site and adjoining properties.

Nicholas County Landfill, Summersville, WV. Work included Control Network, Boundary and Topographic Surveys for expansion of cells and yearly volume reports.

Pocahontas County Landfill, Pocahontas County, WV. Work included Control Network, Boundary and Topographic Surveys for expansion cells and yearly volume reports.

Fleming Landfill, WVDEP, Sissonville, WV. Work included Boundary and Topographic Surveys, along with control network and baseline stakeout for landfill closure.

Cunard Landfill, WVDEP, Fayetteville, WV. Work included Topographic and Construction Layout for landfill closure.

Mingo County Landfill, J & B Contracting, Mingo County, WV. Work included Topographic and Construction Layout for landfill closure.

Mercer County Landfill, Jimmy Dunn, Mercer County, WV. Work included Topographic and Construction Layout for landfill closure.

Merritts Creek Connector Road, WVDOT, Barboursville, West Virginia. Preliminary route survey of 2.2 miles of four-lane roadway. Work included courthouse research, property owner questionnaires, stake proposed centerline, tie to properties, set and reference construction control points. Crew Chief/Project Manager.

Bentons Ferry Bridge Replacement, WVDOH, Fairmont, West Virginia. Work included Topo survey of project area, property owner questionnaires, tie to property lines, river cross sections, stake and reference centerline and construction control points. Crew Chief/Project Manager.

North Bridgeport Connector Road, WVDOH, North Bridgeport, West Virginia. Work included GPS control survey of project area, preliminary route survey of centerline, tie to property lines, stake and reference centerline and construction control points, courthouse research, property owner questionnaires. Crew Chief/Project Manager.

Corridor H, WVDOH, Section 15, Elkins, West Virginia. Work included courthouse research, property owner questionnaires, GPS control of project area, preliminary route survey of 2.2 miles of centerline, tie to property lines, stake and reference centerline and construction control points. Crew Chief/Project Manager.

Corridor D, WVDOH, Martown Section, Parkersburg, West Virginia. Work included courthouse research, property owner questionnaires, GPS control of project area, preliminary route survey of 2.2 miles of centerline, tie to property lines, stake and reference centerline and construction control points. Crew Chief/Project Manager.

Martha Truss Bridge Replacement, WVDOH, Milton, West Virginia. Work included Topo survey of project area, property owner questionnaires, tie to property lines, river cross sections, stake and reference centerline and construction control points. Crew Chief/Project Manager.

Martha Girder Bridge Replacement, WVDOH, Milton, West Virginia. Work included Topo survey of project area, property owner questionnaires, tie to property lines, river cross sections, stake and reference centerline and construction control points. Crew Chief/Project Manager.

Smith Bridge, WVDOH, Wetzel County, West Virginia. Work included Topo survey of project area, property owner questionnaires, tie to property lines, river cross sections, stake and reference centerline and construction control points. Project Manager.

Opaquen Bridge, WVDOH, Wetzel County, West Virginia. Work included topographic survey of project area, property owner questionnaires, tie to property lines, river cross sections, stake and reference centerline and construction control points. Project Manager.

King Coal Highway, WVDOH, Mingo County, West Virginia. Work included courthouse research, property owner questionnaires, GPS control of project area, preliminary route survey of 2.2 miles of centerline, tie to property lines, stake and reference centerline and construction control points. Project Manager.

Sharon Heights Connector Road, WVDOH, Mingo County, West Virginia. Work included courthouse research, property owner questionnaires, GPS control of project area, preliminary route survey of 2.2 miles of centerline, tie to property lines, stake and reference centerline and construction control points. Project Manager.

Kanawha Turnpike, WVDOH, Charleston, West Virginia. Work included courthouse research, property owner questionnaires, GPS control of project area, preliminary route survey of 2.2 miles of centerline, tie to property lines, stake and reference centerline and construction control points. Project Manager.

East Huntington Bridge, WVDOH, Huntington, West Virginia. Work included annual bridge inspection survey of cable stay bridge over the Ohio River. Crew Chief/Surveying Supervisor.

Cogentrix Energy, Cogentrix, Marshall County, West Virginia. Work included GPS control survey of project area, boundary survey of 292 acres, topographic survey of 177 acres for site construction, courthouse research. Surveying Supervisor.

Big Sandy Peaker Plant, Constellation Power, Cabell County, West Virginia. Work included GPS control survey of project area, boundary and topographic of 42 acres, boundary and route survey for 1 mile of transmission lines, construction stakeout. Crew Chief/Surveying Supervisor.

Paintsville Power Plant, Energy Services, Paintsville, Kentucky. Work included control and topographic survey of a 180-acre site for proposed power plant, construction stakeout. Survey Supervisor.

Greenbrier Pipeline, Dominion, West Virginia, Virginia, and North Carolina. Work included control and preliminary route survey of a 264-mile pipeline running from Corton, West Virginia to Raleigh, North Carolina. Survey Supervisor.

Upshur County Power Plant, Dominion, Upshur County, West Virginia. Work included control survey and construction survey of a 170-acre power plant. Survey Supervisor.

Cellular telephone tower sites, Nextel, West Virginia, Kentucky, and Ohio. Work included courthouse research, boundary and topographic survey for 86 tower locations. Crew Chief/Survey Supervisor.

West Virginia-American Water Company. Work included boundary survey for 180 water tank sites throughout West Virginia. Crew Chief/Survey Supervisor.

National Lumber Plant Site, Roane County, West Virginia. Work included boundary and topographic survey, construction stakeout for plant site. Crew Chief/Survey Supervisor.

Buckskin Council Boy Scout Camp, Boy Scouts of America, Pocahontas County, West Virginia. Work included topographic survey and construction stakeout for new water and sewer system. Survey Supervisor.

Hampton-Clarke, Philips Lighting Company, Fairmont, West Virginia. Work included boundary and topographic survey, construction stakeout for cullet pile of hazardous waste site. Crew Chief/Survey Supervisor.

BIDCO, Kanawha County, West Virginia. Work included boundary and topographic survey of several parcels in the development, also stakeout of spec building and parking lots.

University of Charleston, Charleston, West Virginia. Work included boundary survey of several parcels of land for student housing and parking lot. Crew Chief/Survey Supervisor.

Marshall University, Charleston, West Virginia. Work included boundary and location survey of research complex. Survey Supervisor.

Marshall University, Huntington, West Virginia. Work included courthouse research, boundary and topographic survey of several city blocks for student housing and parking buildings. Crew Chief/Survey Supervisor.

Chief/Survey Supervisor.

Previous Work History

Triad Engineering, Inc., Survey Party Chief, July 2006-September 2007

HNTB Corporation, Survey Party Chief, July 2006-July 2005

Potesta & Associates, Survey Manager, Inc., 1999-2005

Design Tech, L.L.C., Survey Party Chief, 1997-1999

Site Blauvelt Engineers, Survey Party Chief, 1996-1997

Dunn Engineers, Survey Party Chief, 1993-1996

Professional Affiliations

West Virginia Society of Professional Surveyors (WVSPS)

Part 8 – References

Each of the Project Profiles found in Part 7 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:

- City of Parsons
341 Second Street
Parsons, WV 26287
Mr. Jason Myers, City Administrator
(304) 478-2311
- West Virginia Department of Transportation – Division of Highways
1900 Kanawha Boulevard East,
Building 5, Room A-109
Charleston, WV 25305
Mr. Darrell Allen, P.E., Deputy State Highway Engineer
(304) 558-3304
- City of Charleston
915 Quarrier Street, Suite 5
Charleston, WV 25301-2607
Mr. Tony Fish, P.E., Assistant City Engineer
(304) 348-8106
- WV Division of Homeland Security & Emergency Mgmt., E-911 Mapping
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
- Habitat for Humanity of Kanawha & Putnam County ReStore
815 Young Street
Charleston, WV 25301
Ms. Amy McLaughlin, Director
(304) 720-0141
- West Virginia Army National Guard – Division of Engineering and Facilities
1707 Coonskin Drive
Charleston, WV 25311-1099
Major Michael J. Beckner, Facilities Management Officer
(304) 561-6333

Part 9 – Attachments



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

Request for Quotation

RFQ NUMBER
PTR11023

PAGE
1

ADDRESS CORRESPONDENCE TO ATTENTION OF:
**FRANK WHITTAKER
 304-558-2316**

RFQ COPY
 TYPE NAME/ADDRESS HERE

Baker

Michael Baker Jr., Inc.
 5088 W. Washington Street
 Charleston, WV 25313

DIVISION OF PUBLIC TRANSIT
 BUILDING 5, ROOM 906
 1900 KANAWHA BOULEVARD, EAST
 CHARLESTON, WV
 25305-0432 304-558-0428

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
10/25/2010				

BID OPENING DATE: **12/16/2010** BID OPENING TIME **01:30PM**

LINE	QUANTITY	UOP	CAT. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
0001	1	JB		906-00-00-001		
<p>ARCHITECT/ENGINEERING SERVICES, PROFESSIONAL</p> <p>THE WEST VIRGINIA PURCHASING DIVISION, FOR THE AGENCY, THE WEST VIRGINIA DIVISION OF PUBLIC TRANSIT IS SOLICITING EXPRESSIONS OF INTEREST FOR ARCHITECTURAL & ENGINEERING SERVICES FOR THE CONSTRUCTION OF A PRE-ENGINEERED METAL AND BRICK ADMINISTRATIVE AND MAINTENANCE FACILITY PER THE ATTACHED.</p> <p>ALL TECHNICAL QUESTIONS MUST BE SUBMITTED IN WRITING TO FRANK WHITTAKER IN THE WV PURCHASING DIVISION VIA EMAIL AT FRANK.M.WHITTAKER@WV.GOV OR VIA FAX AT 304-558-4115. DEADLINE FOR ALL TECHNICAL QUESTIONS IS 11/30/2010 AT 4:00 PM. ALL TECHNICAL QUESTIONS WILL BE ADDRESSED BY ADDENDUM AFTER THE DEADLINE.</p> <p>EXHIBIT 10</p> <p>REQUISITION NO.: PTR11023</p> <p>ADDENDUM ACKNOWLEDGEMENT</p> <p>I HEREBY ACKNOWLEDGE RECEIPT OF THE FOLLOWING CHECKED ADDENDUM(S) AND HAVE MADE THE NECESSARY REVISIONS TO M PROPOSAL, PLANS AND/OR SPECIFICATION, ETC.</p> <p>ADDENDUM NO.'S:</p> <p>NO. 1</p>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE: *[Signature]* TELEPHONE: 304-769-0821 DATE: 12/16/2010

TITLE: Assistant V.P., FEIN: 251 228 638

ADDRESS CHANGES TO BE NOTED ABOVE

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



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

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 CHARLESTON, WV
 25305-0432 304-558-0428

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10/25/2010				

BID OPENING DATE: **12/16/2010** BID OPENING TIME **01:30PM**

LINE	QUANTITY	UOP	CAT. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
NO. 2					
NO. 3					
NO. 4					
NO. 5					
<p>I UNDERSTAND THAT FAILURE TO CONFIRM THE RECEIPT OF THE ADDENDUM(S) MAY BE CAUSE FOR REJECTION OF BIDS.</p> <p>VENDOR MUST CLEARLY UNDERSTAND THAT ANY VERBAL REPRESENTATION MADE OR ASSUMED TO BE MADE DURING ANY ORAL DISCUSSION HELD BETWEEN VENDOR'S REPRESENTATIVES AND ANY STATE PERSONNEL IS NOT BINDING. ONLY THE INFORMATION ISSUED IN WRITING AND ADDED TO THE SPECIFICATIONS BY AN OFFICIAL ADDENDUM IS BINDING.</p> <p style="text-align: center;"> SIGNATURE Michael Baker Jr., Inc. COMPANY December 16, 2010 DATE </p> <p>NOTE: THIS ADDENDUM ACKNOWLEDGEMENT SHOULD BE SUBMITTED WITH THE BID.</p> <p>REV. 09/21/2009 BANKRUPTCY: IN THE EVENT THE VENDOR/CONTRACTOR FILES FOR BANKRUPTCY PROTECTION, THE STATE MAY DEEM THE CONTRACT NULL AND VOID, AND TERMINATE SUCH CONTRACT</p>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE 	TELEPHONE 304-769-0821	DATE 12/16/2010
TITLE Assistant V.P.	FEIN 251 228 638	ADDRESS CHANGES TO BE NOTED ABOVE

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



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

Request for Quotation

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FRANK WHITTAKER
304-558-2316

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VENDOR

Baker

Michael Baker Jr., Inc.
 5088 W. Washington Street
 Charleston, WV 25313

SECTION

DIVISION OF PUBLIC TRANSIT
 BUILDING 5, ROOM 906
 1900 KANAWHA BOULEVARD, EAST
 CHARLESTON, WV
 25305-0432 304-558-0428

DATE PRINTED	TERMS OF SALE	SHIP VIA	FOB	FREIGHT TERMS
10/25/2010				

BID OPENING DATE: **12/16/2010** BID OPENING TIME **01:30PM**

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
<p>WITHOUT FURTHER ORDER.</p> <p>NOTICE</p> <p>A SIGNED BID MUST BE SUBMITTED TO:</p> <p>DEPARTMENT OF ADMINISTRATION PURCHASING DIVISION BUILDING 15 2019 WASHINGTON STREET, EAST CHARLESTON, WV 25305-0130</p> <p>THE BID SHOULD CONTAIN THIS INFORMATION ON THE FACE OF THE ENVELOPE OR THE BID MAY NOT BE CONSIDERED:</p> <p>SEALED BID</p> <p>BUYER: 44</p> <p>RFQ. NO.: PTR11023</p> <p>BID OPENING DATE: 12/16/2010</p> <p>BID OPENING TIME: 1:30 PM</p> <p>PLEASE PROVIDE A FAX NUMBER IN CASE IT IS NECESSARY TO CONTACT YOU REGARDING YOUR BID: 304-769-0822</p> <p>-----</p>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE <i>Russell E. Hall</i>	TELEPHONE 304-769-0821	DATE 12/16/2010
TITLE Assistant V.P.	FAX 251 228 638	ADDRESS CHANGES TO BE NOTED ABOVE

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



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

Request for Quotation

RFQ NUMBER
PTR11023

PAGE
4

ADDRESS CORRESPONDENCE TO ATTENTION OF
**FRANK WHITTAKER
 304-558-2316**

RFQ COPY
 TYPE NAME/ADDRESS HERE

VENDOR

Baker

Michael Baker Jr., Inc.
 5088 W. Washington Street
 Charleston, WV 25313

SHIP TO

DIVISION OF PUBLIC TRANSIT
 BUILDING 5, ROOM 906
 1900 KANAWHA BOULEVARD, EAST
 CHARLESTON, WV
 25305-0432 304-558-0428

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
10/25/2010				

BID OPENING DATE: **12/16/2010** BID OPENING TIME **01:30PM**

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
CONTACT PERSON (PLEASE PRINT CLEARLY):				Patrick W. Fogarty		
***** THIS IS THE END OF RFQ PTR11023 ***** TOTAL:						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE <i>Ronald Hall</i>	TELEPHONE 304-769-0821	DATE 12/16/2010
TITLE Assistant V.P.	FEIN 251 228 638	ADDRESS CHANGES TO BE NOTED ABOVE

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

Buyer: FW-44 Page: _____ PO# PTR11023
Spending Unit: Division of Public Transit
Department of Transportation

BID FORM # 1: Letter of Intent

Name of Bidder/Offeror's Firm: Michael Baker Jr., Inc.

Address: 5088 West Washington Street

City: Charleston State: WV Zip Code: 25313

Name of DBE firm: NGE, P.L.L.C.

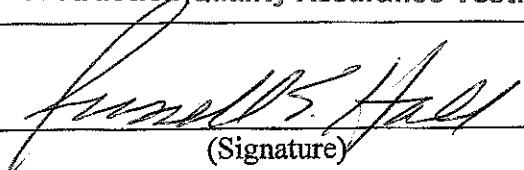
Address: 806 B Street

City: St. Albans State: WV Zip Code: 25177

Telephone: 304.201.5180

Description of work to be performed by the DBE firm:

Drilling and Subsurface Investigation, Laboratory Testing, and
Construction Quality Assurance Testing.

By:  Assistant Vice President
(Signature) (Title)

If the Bidder/Offeror does not receive award of the prime contract, any and all representations in this Letter of Intent and Affirmation shall be null and void.

(Submit this page for each DBE subcontractor.)

Buyer: FW-44 Page: _____ PO# PTR11023
Spending Unit: Division of Public Transit
Department of Transportation

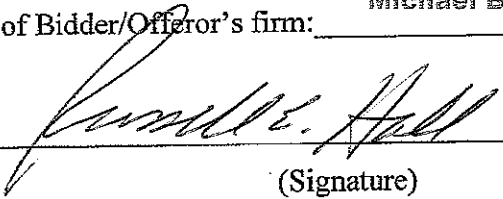
BID FORM #2: DISADVANTAGED BUSINESS ENTERPRISE (DBE) UTILIZATION

The undersigned Bidder/Offeror has satisfied the requirements of the bid specification in the following manner (please check the appropriate space):

The Bidder/Offeror is committed to a minimum of 5.1% DBE utilization on this contract.

The Bidder/Offeror (if unable to meet the DBE goal of 5.1%) is committed to a minimum of 5.1% DBE utilization of this contract and submits documentation demonstrating good faith efforts.

Name of Bidder/Offeror's firm: Michael Baker Jr., Inc.


By:  Assistant Vice President
(Signature) (Title)

BID FORM#3

Michael Baker Jr., Inc. hereby certifies that it IS or IS NOT (specify one) included on the U.S. Comptroller General's Consolidated List of Persons or Firms Currently Debarred for violations of Various Public Contracts Incorporating Labor Standards Provisions.

December 16, 2010

Date


Authorized Signature

Assistant Vice President

Title

Michael Baker Jr., Inc.

Company Name

BID FORM #4

**CERTIFICATION OF PRIMARY PARTICIPANT REGARDING
DEBARMENT, SUSPENSION, AND OTHER RESPONSIBILITY MATTERS**

The Primary Participant (applicant for an FTA grant or cooperative agreement, or potential contractor for a major third party contract),

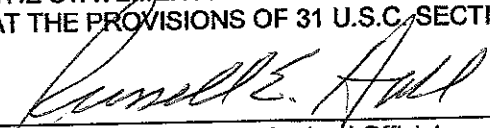
Michael Baker Jr., Inc. (COMPANY NAME) certifies to the best of its knowledge and belief, that it and its principals:

1. Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any Federal department or agency;
2. Have not within a three-year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;
3. Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State or local) with commission of any of the offenses enumerated in paragraph (2) of this certification; and
4. Have not within a three-year period preceding this application/proposal had one or more public transactions (Federal, State or local) terminated for cause or default.

(If the primary participant (applicant for an FTA grant, or cooperative agreement, or potential third party contractor) is unable to certify to any of the statements in this certification, the participant shall attach an explanation to this certification.)

THE PRIMARY PARTICIPANT (APPLICANT FOR AN FTA GRANT OR COOPERATIVE AGREEMENT, OR POTENTIAL CONTRACTOR FOR A MAJOR THIRD PARTY CONTRACT),

Michael Baker Jr., Inc., CERTIFIES OR AFFIRMS THE TRUTHFULNESS AND ACCURACY OF THE CONTENTS OF THE STATEMENTS SUBMITTED ON OR WITH THIS CERTIFICATION AND UNDERSTANDS THAT THE PROVISIONS OF 31 U.S.C. SECTIONS 3801 ET SEQ. ARE APPLICABLE THERETO.



Signature and Title of Authorized Official

Russell E. Hall
Assistant Vice President

BID FORM #5

CERTIFICATION OF RESTRICTIONS ON LOBBYING

The undersigned (Vendor, Contractor) certifies, to the best of his or her knowledge and belief, that:

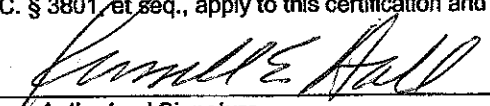
1. No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of an agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.
2. If any funds other than Federal appropriated funds have been paid or will be paid to any person for making lobbying contacts to an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions. [as amended by "Government Wide Guidance for New Restrictions on Lobbying," 61 Fed. Reg. 1413 (1/19/96). Note: Language in paragraph (2) herein has been modified in accordance with Section 10 of the Lobbying Disclosure Act of 1995 (P.L. 104-65, to be codified at 2 U.S.C. 1601, et seq.)]
3. The undersigned shall require that the language of this certification be included in the award documents for all subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by 31 U.S.C. § 1352 (as amended by the Lobbying Disclosure Act of 1995). Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure. [Note: Pursuant to 31 U.S.C. § 1352(c)(1)-(2)(A), any person who makes a prohibited expenditure or fails to file or amend a required certification or disclosure form shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such expenditure or failure.]

The Vendor, Michael Baker Jr., Inc., certifies or affirms the truthfulness and accuracy of each statement of its certification and disclosure, if any. In addition, the Vendor understands and agrees that the provisions of 31 U.S.C. § 3801, et seq., apply to this certification and disclosure, if any.

December 16, 2010

Date


Authorized Signature

Assistant Vice President

Title

PTR11023

RFQ No. _____

BF#6

STATE OF WEST VIRGINIA
Purchasing Division

PURCHASING AFFIDAVIT

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

DEFINITIONS:

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

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

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

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

WITNESS THE FOLLOWING SIGNATURE

Vendor's Name: Michael Baker Jr., Inc.

Authorized Signature: [Signature] Date: December 16, 2010

State of West Virginia

County of Kanawha, to-wit:

Taken, subscribed, and sworn to before me this 16th day of December, 2010

My Commission expires 4/14, 2013

AFFIX SEAL HERE

NOTARY PUBLIC [Signature]

