



**Statement of Qualifications for
Architectural / Engineering Design Services
Bluefield Area Transit – PTR10034
Administrative and Maintenance Facility
Near Bluefield, West Virginia**

submitted to:

Mr. Frank Whittaker, Buyer 44
Department of Administration
Purchasing Division
Building 15
2019 Washington Street, East
Charleston, West Virginia 25305-0130

submitted by:

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

March 3, 2010

Baker
Engineering & Energy

ChallengeUs.

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DIVISION

Baker

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

5088 West Washington Street
Second Floor
Charleston, WV 25313

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March 3, 2010

Mr. Frank Whittaker, Buyer 44
Department of Administration
Purchasing Division
Building 15
2019 Washington Street, East
Charleston, West Virginia 25305-0130

Re: Statement of Qualifications to Provide Architectural / Engineering Design Services – Bluefield Area Bus – PTR10034 - Near Bluefield, 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 Bluefield Area Bus Section 5311 Rural Transit Provider for Mercer and McDowell Counties. Baker is currently under contract with the WV Division of Transit for the Little Kanawha Bus Facility and design is approximately 40% complete.

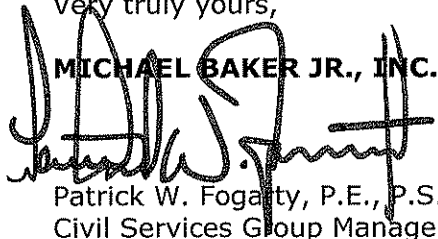
Baker is a global engineering and energy firm with some 4,700 members in 50 office locations. We propose to undertake this assignment from our Charleston office with a staff of over 40 individuals including architects, engineers, landscape architects, planners, surveyors, environmental specialists, construction managers, public safety specialists, inspectors, and technicians.

We feel that our combination of global expertise and West Virginia based experience is unique to Baker and will provide efficient, timely, personal, cost effective, and quality solutions for the Bluefield Area Bus Section 5311 Rural Transit Provider.

We are extremely interested in providing the required services on this important project for the Bluefield Area Bus Section 5311 Rural Transit Provider. 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

ChallengeUs.

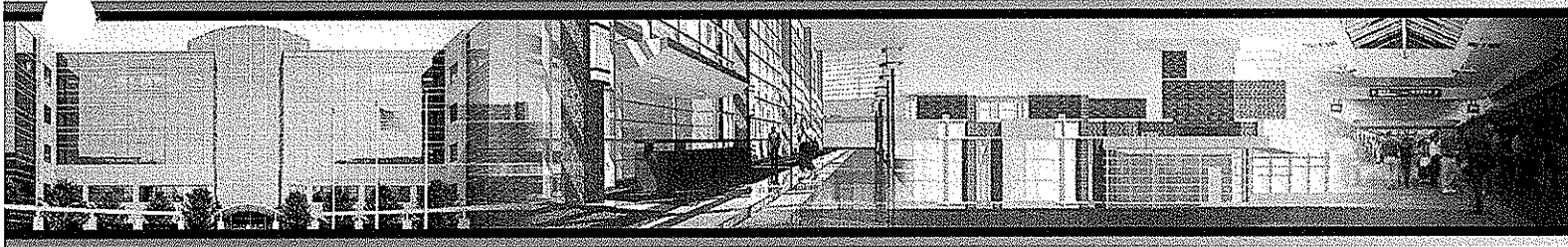


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Part 1 – Introduction

The Bluefield Area Bus Section 5311 Rural Transit Provider is seeking a highly qualified firm experienced in the planning, design, and construction administration to develop a new office and warehouse distribution facility to be located in Bluefield, 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 5,000 people in 50 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 34 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 Bluefield Area Bus Section 5311 Rural Transit Provider 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.

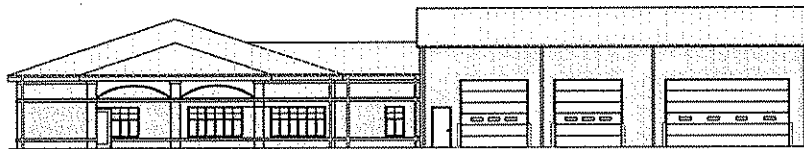
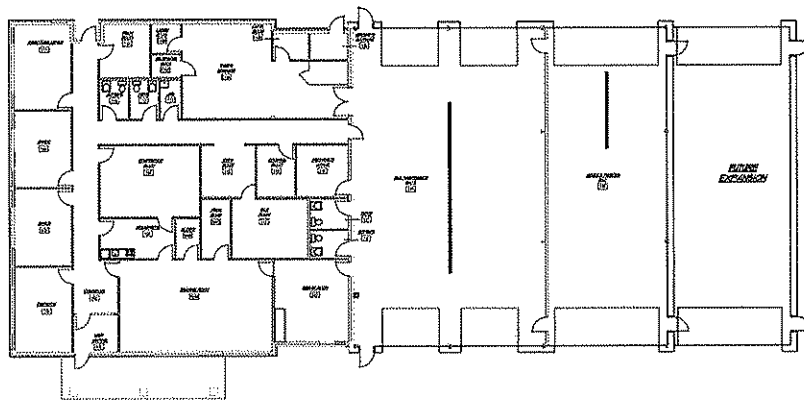
Baker's Charleston office is a "single-stop resource" capable of providing comprehensive professional services, from environmental and public safety planning, final design, and construction management through operational support. From major new bridges and roadway designs to surface mine permitting and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

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

Baker's clients for 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 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

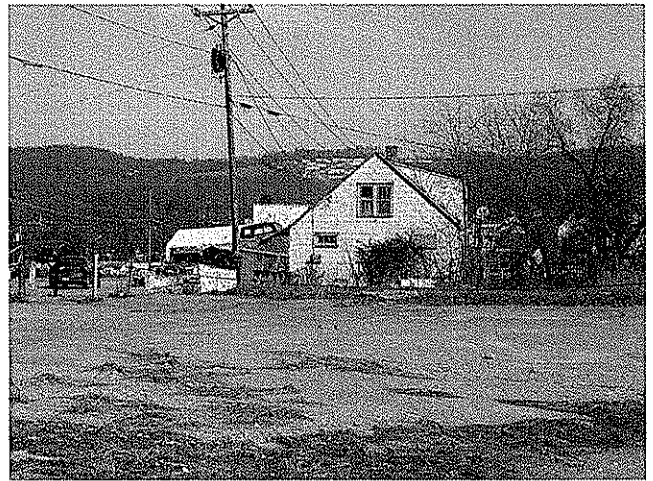
Part 2 – Qualifications

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



View from Project Site

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 Bluefield Area Bus Section 5311 Rural Transit Provider proven experience in the following Professional Services which are typical for projects such as the type identified in your Request for Qualifications:

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.

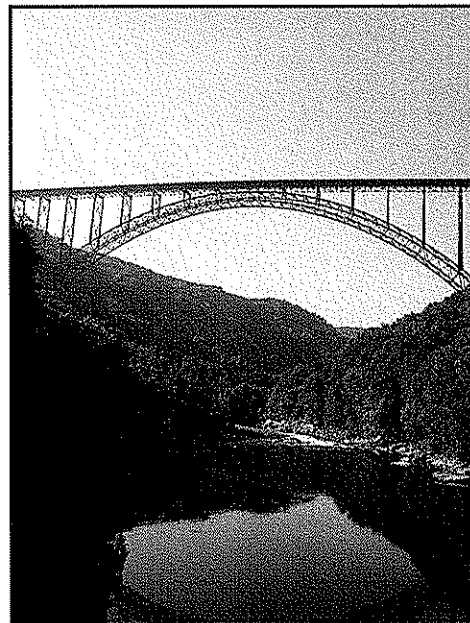
Preliminary Cost Estimates for Construction will be prepared and included in the Preliminary Engineering Report submittal.

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



New River Gorge Steel Arch Bridge

"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

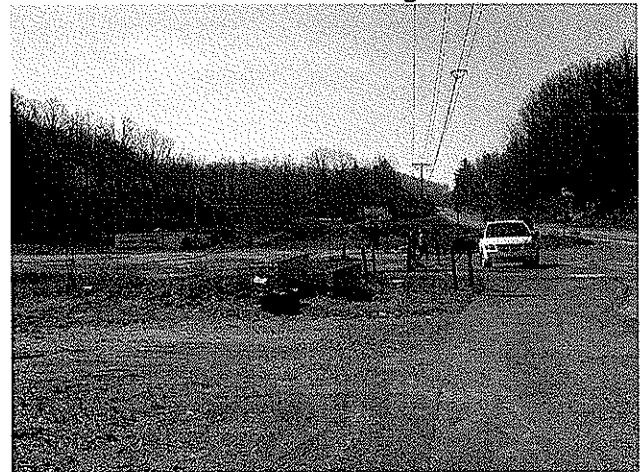
Baker generally makes use of E.J.C.D.C. and/or A.I.A. bidding and contracting documents, as normally dictated by the funding agencies. Blank copies of these forms are included in the Project Manual and made available to all plan holders during the bidding process to minimize the risk of confusion or 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.



View from Project Site

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 22 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 23 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:

Town of Lost Creek – Historic Train Depot Improvements (completed)

Lakewood Elementary School Boundary Survey (completed)

Bonham Elementary School Flood Protection Study (completed)

Charleston Housing Authority – Numerous Projects (completed)

With his unequalled expertise in structural design, 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, Granstville, WV (in design)

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.

Laura Cox, PLA, ASLA, has over 26 years of experience in fields of architecture, landscape architecture, and land planning. She has 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 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 West Virginia Division of Public Transit, located at 1900 Kanawha Blvd., East, Building 5 at the Capitol Complex administers the Bluefield Area Bus Section 5311 Rural Transit Provider for Mercer County.
- Proposed site is near Bluefield, West Virginia.

Project Understanding

- LEED Certified (If funds Permit) Pre-Engineered Metal and Brick Construction approximately 14,000 Square Feet.
- The New Facility will house Office and Maintenance Spaces
 - Offices
 - Driver Training Room (35 Individuals)
 - Restrooms
 - Money Counting Room
 - Parts Supply Room
 - Enclosed Passenger Waiting Area
 - 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.
- Site Assessments.
- Construction Administration and Supervision of Construction.

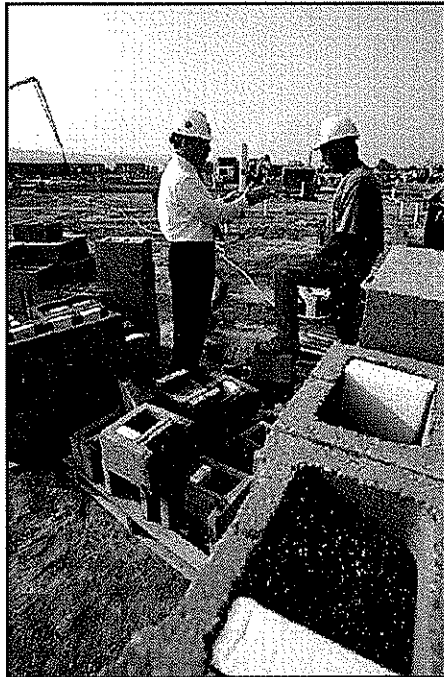
Based upon our knowledge to this point, we consider this an architectural and assignment. Architectural elements may include provisions for office space and restrooms within, development of interior finishes and amenities. Landscape architecture elements may include design geometrics, ADA compliance, road access, parking, utilities and earthwork.

Conceptual Planning Phase

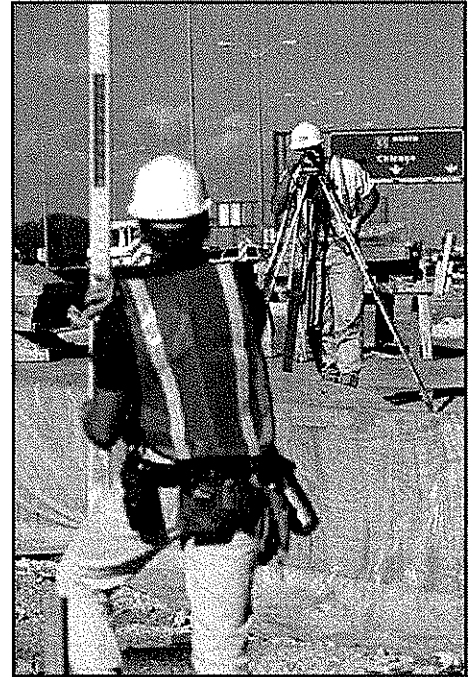
During this phase Baker will collect all available data including historic information, utility maps, soils surveys, etc. We will use our existing E-911 mapping with 10' contour intervals and edit with conventional field surveys. Once all graphic data has been acquired, we will prepare a mosaic of the information and review for concepts and conflicts. We will then develop conceptual layouts for the 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 the Preliminary Engineering Report and Cost Opinion for submission to the funding agencies. A 50% Design Submittal will also be prepared 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 Bluefield Area Bus Section 5311 Rural Transit Provider in the preparation of additional funding applications if necessary.

Bidding Phase

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

Construction Phase

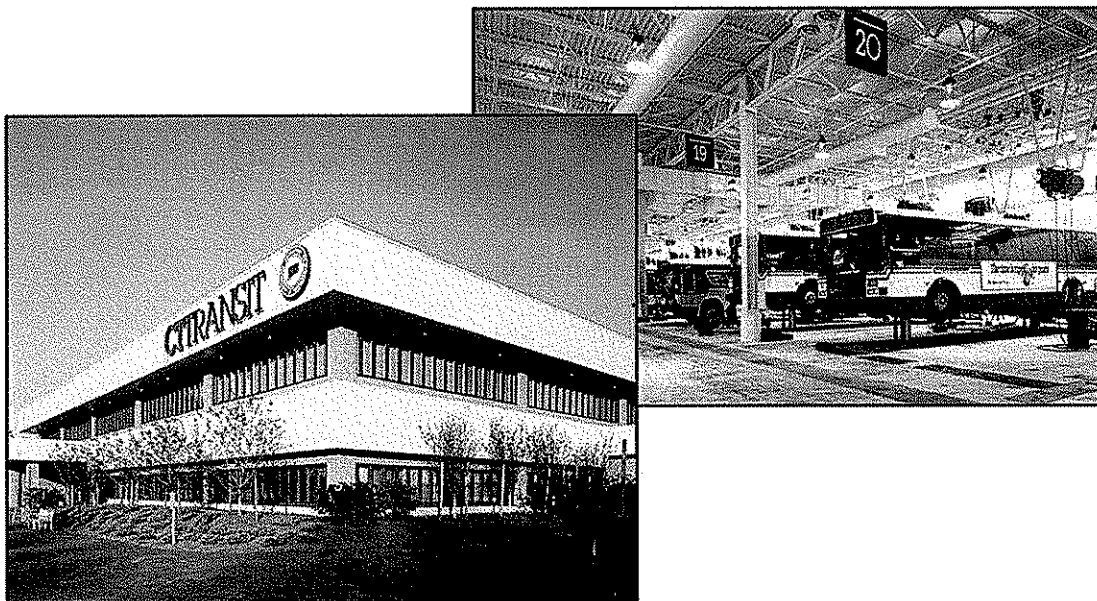
Initially, Baker will perform Construction administration services that will consist of shop drawing review, processing requests for information, monitoring construction progress, conducting construction meetings, processing payment applications, Davis-Bacon compliance review, and providing periodic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

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

Grantsville, 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 in 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

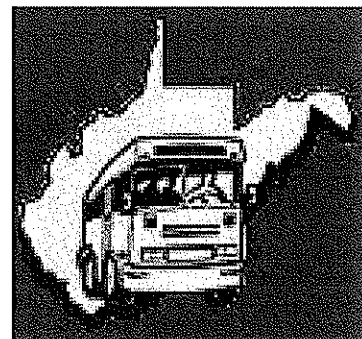
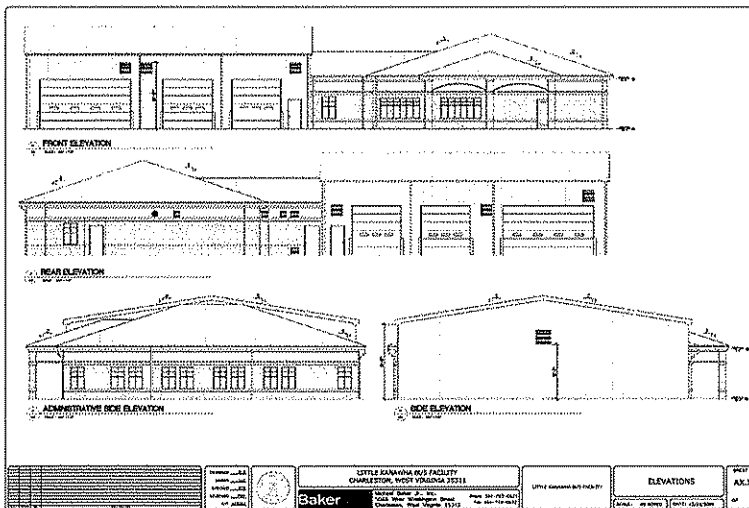
Ms. Susan O'Connell, Director
304-558-9018

Completion Date

Estimated: 2011

Baker's Role

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



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.

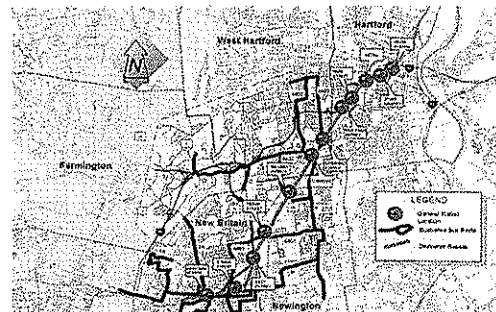
The project is currently in the final design stage, which is expected to last until May 2011. It is anticipated that the project will proceed as a design/bid/build project, with construction scheduled for completion in December 2013. Current planning is to issue multiple design/bid/build contracts for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

Route 1 Corridor, Bus Rapid Transit Feasibility Study

Mercer County, New Jersey

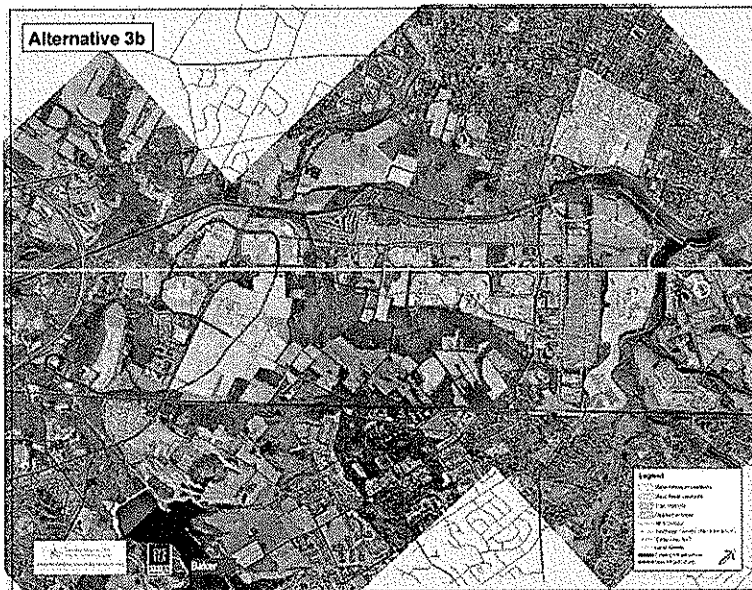
The Route 1 Corridor, one of the country's first "high tech" corridors, is among the most traveled roadways in the State of New Jersey.

Responding to a grass roots concern for managing traffic congestion and maintaining the economic vitality of the region, the Baker/SYSTRA team worked with the Greater Mercer Transportation Management Association to develop a vision for Bus Rapid Transit (BRT) in the Mercer County area.

This is one of the first applications of BRT to a strictly suburban corridor.

Project Features

- Visioning
- Partnering with Local Business Owners, Municipalities, Princeton University, Counties, New Jersey Transit and Delaware Valley Regional Planning Commission
- Alternative Selection
- Land Planning
- Transit-Oriented Design System Planning
- Environmental Review
- Ridership
- Cost-Estimating
- Queue Jumping and Other Priority Treatments for BRT



Client

Greater Mercer Transportation Management Association (GMTMA)
15 Roszel Road
Princeton, NJ 08540

Sandra Brillhart
Executive Director
609-452-1491

Completion Date

Estimated: 2005

Actual: 2002

Baker's Role

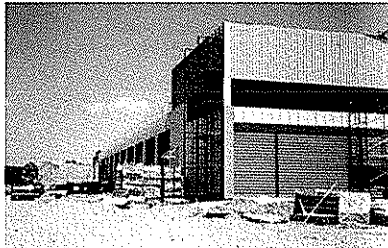
- Needs Assessments
- Stakeholder Consensus
- Alignment Studies
- Rider Information System Requirements
- Financial Packaging
- Traffic Evaluation
- Coordination with Central Jersey Transit Forum
- Coordination with Princeton University
- Coordination with Developers
- Development of Educational Tools for Municipal Government
- Land Use Planning
- Transit Integration

Brooklyn Bus Maintenance Facility

Southeast Brooklyn, New York

Baker performed construction inspection services for electrical, mechanical, and structural steel fabrication and erection as subconsultant to Deleuw Cather.

Special features of this new 8.6-acre NYC Arts Commission approved bus complex were: an outdoor parking lot for 145 buses and 185 employee/visitor automobiles, a 50,000 square foot first floor bus maintenance and parts storage area with 16 repair bays, a 10,000 square foot 2nd story for administration offices, a super-fastfill Compressed Natural Gas (CNG) fueling station capable of fueling a 60-120 CNG bus fleet on a daily basis, modern waste management, material storage, service cycle, bus washing and painting, and recycling services, bi-folding maintenance bay doors instead of conventional roll-up doors for improved facility maintenance, chassis dynamometer and paint spray booth bays, extensive perimeter landscaping/buffering of facility, and reconstruction of surrounding City streets.



Client

City of New York Department of
Transportation
59 Maiden Lane
36th Floor
New York, NY 10038

Daniel Horn, P.E.
212-788-1788

Completion Date

Estimated: 1997

Actual: 1998

Project Costs

\$27,000,000 (Construction)

Baker's Role

- Construction Inspection
- Structural Steel Fabrication
- Electrical and Mechanical

GIS Data Development Services - Bus Route Geocoding

Newark, New Jersey

New Jersey Transit requested the assistance for various GIS related tasks via an open-ended general GIS planning contract. Baker was selected to provide the two main tasks to New Jersey Transit. The first, geocoding of bus route patterns, required detailed knowledge of the NJ Transit GIS data model, Intergraph Modular GIS Environment software, and linear referencing concepts. Baker staff worked on-site at NJ Transit to geocode and apply linear referencing (route and milepost identification) to all variations of the 20+ bus routes originating out of NJ Transit's Fairview, New Jersey garage. Staff used available reference material such as timetables and driver directions to determine the actual routing of each variation (pattern) of each bus route, and then identify the street segments from the NAVTEQ base map used by NJ Transit that made up the route pattern. Challenges in the assignment included properly linear referencing bus routes that reverse back onto themselves and perform loops, two features not usually found when applying linear referencing to physical road layers. This project was unique because it involved combining spatial data sets from the 4 different states (New Jersey, New York, Delaware, and Pennsylvania) that make up the NJ Transit service area. As part of this task, Baker staff also assisted NJ Transit in matching real-time data from an autonomous GPS-based passenger counting system with the GIS route features. The passenger counting system recorded GPS coordinates whenever passengers entered or exited the bus as well as at regular intervals along the bus route. The challenge of this task was to match up the actual bus locations with expected bus location for that specific time of day, day of week, and month of year.

Client

New Jersey Transit Corporation
One Penn Plaza East, 4th Floor
Newark, NJ 07105-2246

Louis Millan

Director of GIS
973-491-7760

Completion Date

Estimated: 2007

Actual: 2007

The second task that Baker provided assistance to NJ Transit was geocoding of bus stop locations to the NAVTEQ street base network. NJ Transit has more than 25,000 bus stop locations that were not linked directly to the bus route patterns in the GIS. Baker examined the bus stop data and through a series of iterative steps, used automated and manual geocoding techniques to determine the geographical location of the closest intersecting street names for each stop. Challenges in this task were matching street names in the bus stop database to corresponding street names in the NAVTEQ base map. Many locations names had to be modified after careful research to determine the correct locations.

Project Features:

- Geocoding bus route patterns
- Linear referencing bus route patterns
- Analysis of GPS collected passenger data with expected bus routes
- Bus stop geocoding to base road layer

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



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 Charette. 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.

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

North Canton, Ohio

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

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

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

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

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

The OMS/AMSA portion of the building houses office and administrative areas, tool and parts storage, 10 work bays, one welding bay, controlled and flammable storage, wash bay, and building support functions. One drive-through bay is serviced by an overhead traveling crane.

The project also included paving design for on-site parking and storage for 238 military vehicles, including Hum-V's and trailers, along with 150 spaces for

Client

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

Joseph Gates

Project Manager
502-315-6849

Mary Ann Just

Project Engineer
502-315-6365

Completion Date

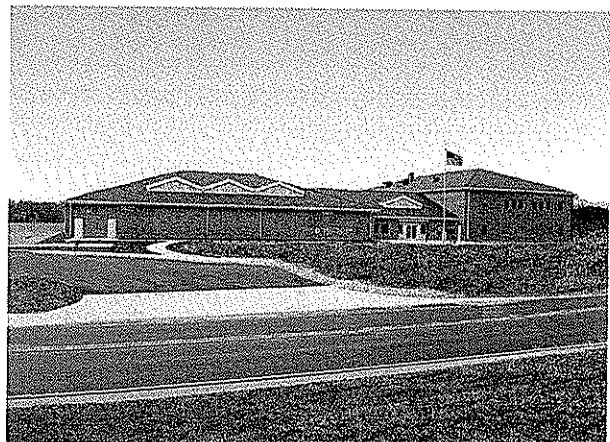
2006

Project Costs

\$11,051,699 (Construction)

Baker's Role

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





Part 7 - Resumes

Russell E. Hall, P.E., P.S.
Charleston Office Manager

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 22 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: 4

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

Patrick W. Fogarty, P.E., P.S.

Civil Services Group Manager

General Qualifications

Mr. Fogarty is an asset to the Michael Baker Jr., Inc. team with over 23 years of project management experience. He is responsible for technical and management aspects of planning, 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

Bicycle and Pedestrian Plan, Kanawha and Putnam Counties, West Virginia. *Regional Intergovernmental Council.* Project Manager. Responsible for the development of a 2-phase bike and pedestrian study for a 2-county area. The plan included data collection, facilities inventory, identification of activity centers, public involvement, community information analysis, identification of specific improvement locations and their corresponding physical deficiencies and improvement recommendations.

Capitol Campus Master Plan, State of West Virginia General Services Division. Project Manager. Responsible for the development of a campus-wide (55 acres) master plan for the West Virginia State Capitol Complex. Elements of the plan included: Vehicular and pedestrian access, security, utilities, parking, landscaping, and space planning.

Corridor Management Plan, Country Roads Scenic Byway, Various Counties, West Virginia. *Country Roads Byway, Inc.* Project Manager. Responsible for the development of a Corridor Management Plan for a designated State Scenic Byway over a multi-county area. The plan included an inventory of Intrinsic Qualities, an assessment and analysis of existing conditions, an opportunity analysis and proposed development alternatives. The focus of the plan was to provide for inclusion in the National Scenic Byway Program.

Years with Baker: 3

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

Registrations

Professional Engineer, West Virginia

Professional Engineer, Kentucky

Professional Engineer, Virginia

Professional Engineer, Pennsylvania

Professional Engineer, Maryland

Professional Engineer, Ohio

Professional Engineer, North Carolina

Professional Surveyor, West Virginia, Kentucky and Ohio

Certifications

Laboratory Procedures, FAA 1992

Construction Document Technologist, CSI 1996

Roadway Worker for Rail Line Sites, CSX 2001

40 Hour HAZWOPER, OSHA 29 CFR 1910.120, OSHA 2001

Technician, PCC, Asphalt, Aggregate, Compaction, WV DOT 1991

for notable airport clients include the following: Mercer County Airport Authority, Bluefield; Upshur County Regional Airport, Buckhannon; Wood County Airport Authority, Parkersburg; Raleigh County Airport Authority, Beckley; Grant County Airport Authority, Petersburg; Eastern West Virginia Regional Airport Authority, Martinsburg; Mason County Commission; Point Pleasant; Elkins-Randolph County Airport Authority, Elkins; Roane County Airport Authority, Spencer; Central West Virginia Regional Airport Authority, Charleston; Mingo County Airport Authority, Williamson; Philippi-Barbour County Airport Authority, Philippi; Nicholas County Airport Authority, Summersville; Marshall County Airport Authority, Moundsville.

Putnam County Parks and Recreation Commission, Various Projects, Hurricane, West Virginia.
Valley Park. Project Manager and Lead Designer. Provided Planning, Surveying, Design and Inspection Services on the waterslide and splashdown pool and the Museum in the Community, including structural and civil engineering.

Kanawha County Parks and Recreation Commission, Various Projects, Charleston, West Virginia.
Coonskin Park. Project Manager and Lead Designer. Provided Planning, Surveying, Design and Inspection Services for soccer fields, recreational trails, shelters and wedding garden.

Municipal Planning and Design, Various Locations, State of West Virginia
Performed numerous assignments as Lead Designer and Project Manager for various municipalities over the past 20 years, including: Planning, Bituminous and Concrete Pavement Design and Rehabilitation, Sidewalk Design, Storm Drainage Design and Stormwater Permitting, Wetlands Delineation and Mitigation, Equipment Specifications, Sanitary Sewage Collection and Potable Water Distribution Systems, Parking Lot Design, Security Lighting, Environmental Site Assessments, Pre-Bid Meetings, Bid Evaluation and Tabulation, Grant Applications, Construction Management, Pre-Construction Meetings, Construction Phasing Plans, Outlay Requests and Project Close-Out Packages. Notable clients include: Town of Poca; Town of Moorefield; City of Buckhannon; City of St. Albans; Town of Hambleton; City of Williamson; Town of Mason; Town of West Milford; City of Bridgeport

Professional Affiliations

American Society of Civil Engineers
International Right of Way Association
Construction Specifications Institute
American Planning Association
West Virginia Airport Managers Association

Previous Work History

Triad Engineering, Inc., Vice President/Senior Engineer/Civil and Survey Manager, 1996-2005
Chapman Technical Group, Vice President Transportation Engineering, 1991-1996
Chapman Technical Group, Project Engineer, 1986-1991
Steel Service Company, Senior Steel Detailer, 1985-1986

Ron L. Bolen, AIA

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

Professional Affiliations

American Institute of Architects (AIA)
West Virginia Board of Architects (WVBOA)
Comprehensive Education Facilities Planners, International (CEFPI)

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,

Gymnasium Facility. *Federal Bureau of Prisons Beckley, West Virginia.*

As Project Job Captain, he provided services through all phases of document preparation, consultant coordination, and client relations. This new facility design provided an indoor gymnasium facility for the medium security prison.

Americans with Disabilities Act (ADA) Compliance Studies. *Federal Bureau of Prisons, Beckley, WV.*

As Project Job Captain, Mr. Bolen provided services through all phases of document preparation, consultant coordination, and client relations to update existing facility with ADA standards for medium security prison.

Alderson Women's Dormitory, Alderson, WV.

Mr. Bolen provided Project Architect services during contract document preparation and client relations. This new facility design replaced an existing dormitory facility at the women's correctional facility.

Classroom and Outdoor Training Facility Upgrades, Camp Atterbury, Columbus, Indiana. *Directorate of Public Works, Post Engineer.* Project Architect. Project responsibilities included site surveying and base map preparation, site civil and architectural plan preparation, detailing, bidding, and construction administration for renovations required by the Post Engineer, Camp Atterbury, Indiana. Elements of the project included expansions and renovations to existing classrooms, expansion of existing office space, renovations to electrical, communications, and fire detection and suppression systems, and development of outdoor MWR facilities and training facilities such as a community park, and obstacle course. Periodic construction administration services were included during construction.

Glen Jean Armory, Glen Jean, Fayette County, West Virginia. *State of WV, Division of Engineering and Facilities.* Project Architect. Responsible for design development and construction document preparation for a new Armed Forces Readiness Center in Glen Jean, Fayette County, WV. The project consisted of military offices constructed of structural steel frame, brick veneer exterior, and EDPM membrane roofing system. The new Armory was constructed as a Readiness Center to consolidate the Oak Hill and Beckley Organizational Maintenance Shops and houses the 77th Bridge Troop Command from Charleston, the 18-63rd Transportation Company from Oak Hill's armory and the 150th Armored Division from Raleigh County's armory in Beckley.

Harrison County Emergency Squad Facility in Shinnston WV *Harrison County Commission.*

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 four truck bays, office spaces, and conference / training room, meeting hall, toilet and kitchen facilities.

David Pecharka, A.I.A., LEED AP

Senior Architect

General Qualifications

Mr. Pecharka's project design experience includes transportation, military, master planning, educational, institutional, commercial, housing, recreational, health care, long-term care, and religious facilities. He has a long-standing interest in environmentally sustainable building design, and has conducted and administered LEED® applications for several buildings. He is a founding member of the AIA Pittsburgh Committee on the Environment (COTE), and the AIA Pennsylvania COTE. Mr. Pecharka has acted as the Baker lead contact to the U.S. Green Building Council, and has provided LEED® consultation on numerous projects company-wide. He has consulted with the U.S. Army Corps of Engineers on sustainable issues and the use of SPiRiT and LEED® Guidelines.

Mr. Pecharka's work at Baker has focused exclusively on the federal government, the majority for the Department of Defense. This work has been comprised of full designs, preparation of RFP's for design/build solicitations, and technical design as designer-of-record in response to RFP's and normally includes design work for multiple buildings. Since 2003, all of this work has been designed to conform to prevailing Anti-terrorism/Force Protection guidelines. In addition, all Baker projects for the federal government have been conducted according to SPiRiT or LEED®. Each year, the project requirements have increased to incrementally higher LEED® levels, requiring greater project commitments from all team members.

Mr. Pecharka's Department of Defense work has included full design projects in multiple temperate climate locations, as well as full design and master planning in remote and desert or arid climates, ranging from Fort Irwin, California and the Idaho National Laboratory site near Idaho Falls, Idaho, to Camp Arifjan in Kuwait, as well as Bagram AFB and Kabul in Afghanistan. Since the spring of 2007, Mr. Pecharka's work has been focused as Baker Project Manager and Lead Architect on the Armed Forces Reserve Center in Bell, California, working in close coordination with the prime contracting firm.

Experience

Civil Site Design Services in Support of Design-Build Projects, Quantico Marine Corps Base, Virginia. *Naval Facilities Engineering Command, Atlantic Division.* Consultant. Developed LEED® sustainable design rating scorecard in response to project features. Baker provides civil site design services in support of design-build projects on Naval Facilities in the Mid-Atlantic Region. On these projects, Baker's scope includes storm-water management, erosion and sediment controls, site earthwork and grading, roads, parking, sidewalks, driveways, water supply, fire protection, sanitary sewer service,

Years with Baker: 8

Years with Other Firms: 18

Education

B.S., 1983, Architecture, Georgia Institute of Technology

M.Arch., 1986, Architecture, Georgia Institute of Technology

Licenses/Certifications

LEED® Accredited Professional, 2000

NCARB, 1988

Registered Architect, Idaho, 2004

Registered Architect, Ohio, 2003

Registered Architect, Pennsylvania, 1987

Registered Architect, West Virginia, 2004

Pennsylvania Department of General Services. Project Architect. Size 700,000 square feet. (Construction cost \$80,000,000.

Previous Work History

L.D. Astorino & Associates, Vice President of Sustainable Design/Vice President of Construction Design/Project Manager, 1993-2001

Image & Associates, Senior Project Architect, 1992

MacLachlan, Cornelius & Fidoni, Project Architect, 1989-1992

Hayes Large Architects, Project Architect/Intern Architect, 1986-1988

Heery & Heery, Intern Architect, 1983-1986

Continuing Education/Training

ASHE/AHA Institute on Health Facilities, Codes and Standards Update, 1987

Dale Carnegie Course in Effective Speaking and Human Relations, 1988

Volunteer, AIA Rebuilding Cities Conference and RUDAT, 1988

ASHE/AHA National Conference on Health Facilities Planning, Design, and Construction, 1989

AIA Building Connections Video Conference, 1993

National Trust for Historic Preservation, 1993 "Transportation Planning for Livable Cities Conference - ISTE A", University of Wisconsin - Madison, 1998 "Detecting Deficiencies in Working Drawings and Specifications"

LEED® Training Seminar, 2000

USGBC Federal Summit, 2001, 2002

Teaching and Leading

Chairman, Steering Committee, 1996

AIA Committee on the Environment Design Charrette

"Reshaping the Region - Planning for a Sustainable Future"

AIA COTE (Committee on the Environment) / MBA Instructional Seminar, 2001

"Contractors and LEED® "

Specialized Experience

David Hilliard
Senior Mechanical Designer

General Qualifications

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 a large Charleston, WV hospital. 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 in school, he used his HVAC work experience to evaluate mechanical problems and make design recommendations on two campus buildings. He has continued his education and professional development through his involvement with ASHRAE and other pertinent organizations.

Experience

A/E Services for the Harrison County Extension Service and the Parks and Recreation – Clarksburg, West Virginia. *Harrison County Commission, Clarksburg, West Virginia.* Mechanical engineer. Mr. Hilliard is Responsible for the Mechanical, Electrical and Plumbing Design, MEP Document Preparation, and Construction Administration for the renovation of an existing facility for use as county Extension Administrative Offices and as a Parks and Recreation Storage Facility. The Harrison County Commission selected Baker to provide complete design and construction administration services to upgrade the building and increase energy efficiency. With funding through an ARRA Stimulus Grant, the Owner desires the modernization of approximately 6,000 square feet of the existing building with appropriate “Green Building” materials. Replacements of outdated heating, ventilation and air conditioning equipment, as well as the existing electrical service with energy efficient products are at the core of the design. Some of the elements to be included in the design are energy-saving light fixtures, duplex outlets, communications jacks, alterations to the existing floor plan, updated water saving toilet facilities and a high efficiency 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.

WV Capitol Building Restrooms Restoration/Renovations, State of WV, Charleston, WV. *State of WV, General Services Division.* Mechanical Engineer.

Mr. Hilliard is currently providing the State of West Virginia General Services Division a comprehensive plumbing plan for the renovation and renovation of the 33 restrooms of the WV State Capitol Building.

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

Donald R. Kuhn Juvenile Detention Center; Julian WV Project Coordinator / Mechanical Engineer
Mr. Hilliard developed HVAC shop drawings, Masonry Opening drawings and worked as a construction coordinator.

Lakin Correctional Center; West Columbia WV Project Coordinator / Mechanical Engineer
Mr. Hilliard developed HVAC shop drawings, Masonry Opening drawings and worked as a construction coordinator.

Camden-Clark Memorial Hospital -, Parkersburg, WV. Mechanical Engineer.
Mr. Hilliard developed Plumbing, HVAC ductwork, piping coordination drawings for the five story addition. Included in that building were eleven operating and patient rooms. Construction Administration was also part of his duties.

Riverside High School; Charleston, WV
Mr. Hilliard worked on Design Evaluation and Coordination of the VAV Mechanical System. He prepared shop drawings and coordination drawings. His duties also included Construction Administration.

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.

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

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 (Quick Pen software), construction management, submittal review, procurement of supplies and air balancing were also part of his working experience.

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.

Laura L. Cox, P.L.A., A.S.L.A.
Landscape Architect

General Qualifications

Ms. Cox is a Registered Landscape Architect with over 26 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

A/E Services for the Harrison County Extension Service and the Parks and Recreation –Clarksburg, West Virginia.
Harrison County Commission, Clarksburg, West Virginia.

Project Site Civil Designer. Ms. Cox will be responsible for all site and civil design aspects 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.

Dunbar Zoning Ordinance Update, Dunbar, West Virginia. *Town of Dunbar.* Project Manager, Ms. Cox is assisting the Town of Dunbar in updating its Zoning Ordinance and Mapping System. The original ordinance adopted in 1961 and its associated mapping have undergone very little updating. This project, when complete will bring the current Ordinance into the Twenty first Century along with its GIS based

Years with Baker: 2

Years with Other Firms: 28

Education

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

Computer Aided Drafting, Putnam County Technical Center, 1995

Registrations

CLA, Virginia, 1987

PLA, West Virginia, 2008

NICET Level 3 (Highway Design), 1983

Professional Affiliations

American Society of Landscape Architects

WV Chapter – American Society of Landscape Architects

WV Chapter – American Institute of Architects

recommended improvements to the 2-county area was proposed to improve bicycle and pedestrian safety and user-friendliness throughout the project area.

Country Roads Scenic Byway Corridor Management Plan, Boone, Logan and Mingo Counties, West Virginia. *Coalfield Convention and Visitors Bureau.* Project Landscape Architect. Ms. Cox was responsible for field inventory and analysis, community input facilitation, and document preparation. She helped prepare 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.

Valley Park Sidewalk Improvements Project, Hurricane, West Virginia. *Putnam County Parks and Recreation Commission.* Project Landscape Architect. Ms. Cox was responsible for design and construction document preparation. She assisted in complete planning, design, and construction management services for new sidewalks and streets 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, ladder-style crosswalks, and storm water improvements. The park sidewalks have a unique colored stamping of natural elements found in West Virginia, such as leaves and ferns, animal tracks, and flowers. Ms. Cox helped provide Construction Administration and inspection services as well as periodic site review during construction.

Habitat for Humanity Restore Parking Lot and Rain Garden Project, Charleston, West Virginia. *Habitat for Humanity Corporation.* Project Landscape Architect. Ms. Cox was responsible for design and construction document preparation. She 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.

Non-Baker Project Experience

FPC Alderson, Federal Prison Camp; Alderson WV Landscape Architect. / Civil Designer
Ms. Cox worked on concept campus plans as well as complete site and landscape plans for the renovation and expansion of two dormitories along with extensive renovations to existing site recreational features.

Gene Spadero Juvenile Detention Center; Mt. Hope WV Landscape Architect / Civil Designer
Ms. Cox designed all site amenities including entrance configuration, parking; roads; grading; utilities; fencing and landscaping.

Lakin Correctional Center; West Columbia WV Landscape Architect / Civil Designer
Ms. Cox designed parking; roads; grading; utilities; fencing and landscaping for a new dormitory and a Correctional Industries Building.

Erma Byrd Center, Beaver, Raleigh County, West Virginia. *Southern West Virginia Community and Technical College.* Project Landscape Architect. Ms. Cox was responsible for master planning of the campus, detailed design, and site construction document preparation. She 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. Laura was responsible for storm sewer design for a new recreational feature for the Park. Services included site drainage analysis and design of storm conveyance system.

supervised a design review team; Her responsibilities included organization and implementation of office procedures; enforcement of subdivision and zoning ordinances; review and evaluation of preliminary and final subdivision plans, special exceptions and rezoning. She answered public inquiries; represented the county at public meetings. In addition Ms. Cox provided reports and recommendations directly to the Fauquier County Planning Commission and Board of Supervisors.

Land Design Concepts, Incorporated, JUNE 1989 - AUGUST 1990, *Senior Planner/Office Manager*, Ms. Cox was responsible for oversight of office procedures and performed and supervised a broad spectrum of planning tasks. She managed the staffing, organizing, marketing and supervising the equipping of an office for a new planning firm; Ms. Cox was in charge of management of both office and planning staff; She developed all client contacts; prepared and negotiated contracts and supervised billing; Ms. Cox was responsible for preparing and processing rezoning applications, preliminary plans, feasibility studies, site and land use analysis, yield studies and conceptual design in Stafford and Spotsylvania Counties.

Kidde Consultants, AUGUST 1986 - MAY 1989, *Chief, Planning & Landscape Architecture Section*, Ms. Cox was in charge of a team that was involved in all phases of planning and landscape architecture. Her responsibilities included: coordinating with and assisting clients' attorneys in obtaining rezoning, special exceptions and special use permits; contract preparation, negotiation and billings; She represented clients at public hearings and meetings with civic groups in Arlington, Fairfax, Prince William and Stafford Counties.

Huntley, Nyce and Associates, P. C., OCTOBER 1984 - AUGUST 1986, *Staff Landscape Architect*, Ms. Cox was responsible for small and large scale landscape design, civil design and graphics presentations. She was in charge of a squad of design and drafting personnel. She prepared site, subdivision and landscape plans in Fairfax and Loudon Counties.

Paciulli, Simmons and Associates, APRIL 1984 - OCTOBER 1984, *Designer*, Ms. Cox was responsible for the design of commercial and residential site plans and all phases of site design including utility and drainage computations, layout grading plans and roadway design.

WVDOT Division of Highways, DECEMBER 1980 - APRIL 1984, *Highway Design Technician*, Ms. Cox was responsible for highway design including repair and improvement; horizontal and vertical layout of roads, quantity calculations, report graphics and drafting.

Joseph Crowder

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

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.

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
PTR10034

PAGE
1

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

RFQ COPY
 TYPE NAME/ADDRESS HERE

PROPERTY

Baker
Michael Baker Jr., Inc.
 5095 West Washington Street
 Charleston, WV 25313
 304-769-0821

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	FOB	FREIGHT TERMS
02/01/2010				

BID OPENING DATE: **03/03/2010** BID OPENING TIME **01:30PM**

LINE	QUANTITY	UOP	CAT. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
0001	1	LS		906-00-00-001		
<p>ARCHITECTURAL/ENGINEERING SERVICES FOR ADMIN. BLDG.</p> <p>EXPRESSION OF INTEREST (EOI)</p> <p>THE WEST VIRGINIA STATE PURCHASING DIVISION FOR THE AGENCY, THE WEST VIRGINIA DIVISION OF PUBLIC TRANSIT, IS SOLICITING PROPOSALS FOR ARCHITECTURAL AND ENGINEERING SERVICES FOR THE CONSTRUCTION OF A LEED CERTIFIED BRICK AND METAL ADMINISTRATION BUILDING AND MAINTENANCE FACILITY LOCATED IN BLUEFIELD, WEST VIRGINIA PER THE ATTACHED SPECIFICATIONS.</p> <p>ALL TECHNICAL QUESTIONS CONCERNING THE DESIGN OF THIS PROJECT MUST BE SUBMITTED IN WRITING TO FRANK WHITTAKER IN THE WEST VIRGINIA STATE PURCHASING DIVISION VIA MAIL AT THE ADDRESS SHOWN IN THE BODY OF THIS EOI, VIA FAX AT 304-558-4115, OR VIA EMAIL AT FRANK.M.WHITTAKER WV.GOV. DEADLINE FOR ALL TECHNICAL QUESTIONS IS FEBRUARY 17, 2010 AT THE CLOSE OF BUSINESS. ALL TECHNICAL QUESTIONS RECEIVED WILL BE ANSWERED BY ADDENDUM AFTER THE DEADLINE HAS LAPSED. ANY QUESTIONS RESULTING FROM ANY SITE VISIT MUST BE SUBMITTED IN ACCORDANCE WITH THESE PROVISIONS.</p> <p>QUESTIONS CONCERNING THE PROCESS BY WHICH A VENDOR MAY SUBMIT A PROPOSAL TO THE STATE OF WV ARE NOT CONSIDERED TO BE TECHNICAL QUESTIONS AND MAY BE SUBMITTED AT ANY TIME PRIOR TO THE OPENING DATE FOR THE PROPOSALS AND IN ANY FORMAT.</p>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE <i>Donald E. Hall</i>	TELEPHONE (304) 769-0821	DATE 3/1/10
TITLE Assistant V.P.	VEIN 2512286358	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
PTR10034

PAGE
2

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

RFQ COPY
 TYPE NAME/ADDRESS HERE

VENDOR

Baker
Michael Baker Jr., Inc.
 5088 West Washington Street
 Charleston, WV 25313
 304-769-0821

SUPPLIER

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
02/01/2010				

BID OPENING DATE: **03/03/2010** BID OPENING TIME **01:30PM**

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
EXHIBIT 10						
REQUISITION NO.:						
ADDENDUM ACKNOWLEDGEMENT						
I HEREBY ACKNOWLEDGE RECEIPT OF THE FOLLOWING CHECKED ADDENDUM(S) AND HAVE MADE THE NECESSARY REVISIONS TO MY PROPOSAL, PLANS AND/OR SPECIFICATION, ETC.						
ADDENDUM NO.'S:						
NO. 1						
NO. 2						
NO. 3						
NO. 4						
NO. 5						
I UNDERSTAND THAT FAILURE TO CONFIRM THE RECEIPT OF TH ADDENDUM(S) MAY BE CAUSE FOR REJECTION OF PROPOSALS.						
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.						
.....						
SIGNATURE						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS		
SIGNATURE <i>Frank Whittaker</i>	TELEPHONE (304) 769-0821	DATE 3/01/10
TITLE Assistant V.P.	FEIN 251228638	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
PTR10034

PAGE
3

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

RFQ COPY
 TYPE NAME/ADDRESS HERE

PROPERTY

Baker
Michael Baker Jr., Inc.
 5088 West Washington Street
 Charleston, WV 25315
 304-769-0821

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	FOB	FREIGHT TERMS
02/01/2010				

BID OPENING DATE: **03/03/2010** BID OPENING TIME **01:30PM**

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
				Michael Baker Jr., Inc. COMPANY 3/01/10 DATE		
<p>NOTE: THIS ADDENDUM ACKNOWLEDGEMENT SHOULD BE SUBMITTED WITH THE PROPOSAL.</p> <p>REV. 09/21/2009</p> <p>APPLICABLE LAW</p> <p>THE WEST VIRGINIA STATE CODE, PURCHASING DIVISION RULES AND REGULATIONS, AND THE INFORMATION PROVIDED IN THE "EXPRESSION OF INTEREST" ISSUED BY THE PURCHASING DIVISION IS THE SOLE AUTHORITY GOVERNING THIS PROCUREMENT.</p> <p>ANY INFORMATION PROVIDED IN SPECIFICATION MANUALS, OR ANY OTHER SOURCE, VERBAL OR WRITTEN, WHICH CONTRADICTS OR ALTERS THE INFORMATION PROVIDED FROM THE SOURCES AS DESCRIBED IN THE ABOVE PARAGRAPH IS VOID AND OF NO EFFECT.</p> <p>BANKRUPTCY: IN THE EVENT THE VENDOR/CONTRACTOR FILES FOR BANKRUPTCY PROTECTION, THE STATE MAY DEEM THE CONTRACT NULL AND VOID, AND TERMINATE SUCH CONTRACT WITHOUT FURTHER ORDER.</p> <p>REV. 5/2009</p> <p>NOTICE</p>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE <i>Frank Whittaker</i>	TELEPHONE (304) 769-0821	DATE 3/01/10
TITLE Assistant V.P.	FEIN 251228638	ADDRESS CHANGES TO BE NOTED ABOVE

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

Bid Form #6

RFQ No PTR 10034

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: 03/01/10

State of West Virginia

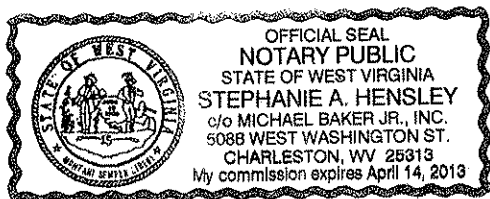
County of Kanawha, to-wit:

Taken, subscribed, and sworn to before me this 1st day of March 2010

My Commission expires April 14 2013

AFFIX SEAL HERE

NOTARY PUBLIC [Signature]



BID FORM #5

CERTIFICATION OF RESTRICTIONS ON LOBBYING

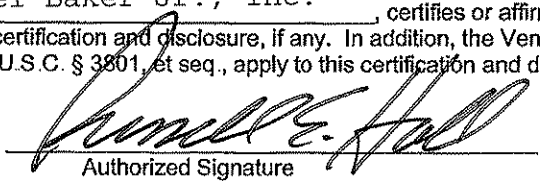
The undersigned (Vendor, Contractor) certifies, to the best of his or her knowledge and belief, that:

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.

03/01/10
Date


Authorized Signature

Assistant V.P.
Title

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),

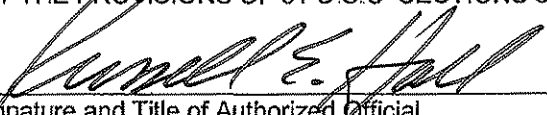
Michael Baker Jr., Inc (COMPANY NAME) certifies to the best of its knowledge and belief, that it and its principals:

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),

Russell E. Hall, P.E., P.S. 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
Assistant Vice President

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.

03/01/10

Date


Authorized Signature

Assistant V.P.

Title

Michael Baker Jr., Inc.
Company Name

Buyer: FW-44 Page: _____ PO# PTR10034
Spending Unit: Division of Public Transit
Department of Transportation

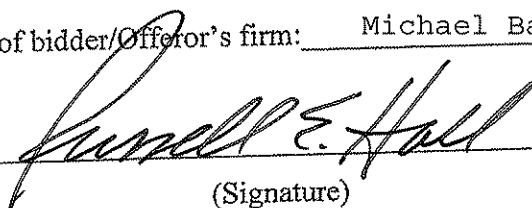
**BID FORM #2: DISADVANTAGED BUSINESS ENTERPRISE (DBE)
UTILIZATION**

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 V.P.
(Signature) (Title)

Buyer: FW-44 Page: _____ PO# PTR10034
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: 5055 West Washington Street

City: Charleston State: WV Zip Code: 25313

Name of DBE firm: Novell Geo-Environmental, PLLC

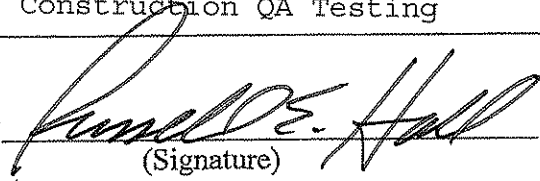
Address: 806 B Street

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

Telephone: (304) 201-5180

Description of work to be performed by the DBE firm:

Surface Investigation, Drilling, Laboratory Testing,
Construction QA Testing

By:  Assistant V.P.
(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.)