

Expression of Interest

Professional Design Services for
Coonskin Park
Maintenance Complex
Building Design

Solicitation CEOI 0306 ADJ1500000003

January 6, 2015



West Virginia Purchasing Division, West Virginia
Division of Engineering and Facilities, and
Adjutant General's Office



engineering | architecture | geospatial

GRW | 200 Sixth Avenue | St. Albans, WV 25177 | 304-727-5501

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West Virginia Purchasing Division



engineering | architecture | geospatial

200 Sixth Avenue / St. Albans, WV 25177 / 304.727.5501

January 6, 2015

Department of Administration
Purchasing Division
2019 Washington Street East
Charleston, West Virginia 25305-0130

RE: Coonskin Park Maintenance Complex Building Design

Dear Selection Committee:

GRW appreciates the opportunity to submit our Letter of Interest for the Coonskin Park Maintenance Complex Building Design. As we outline our capabilities, expertise and approach for helping you meet your project goals, we demonstrate the following key elements:

- Knowledge and experience with the design of military facilities
- Qualified staff with expertise, local knowledge and capacity
- Commitment to meet your goals

We Know Maintenance Buildings. Attachment A also illustrates some of the innovative design elements GRW has incorporated into our maintenance building projects. Some of these features include:

- Large interior concrete slab areas specified with type 'K' cement eliminating the need for control joints
- Central vehicle fluid system (POL) piped to each service bay for replacement and used fluids
- Clerestory windows provide maximum daylight
- Central office area / shipping and receiving
- Supervisor's office with view of shop floor
- Exterior covered wash bay
- Stormwater solids collector utilized as an additional incremental increase in water quality, project received additional LEED points
- Salt storage facilities

The following project summaries highlight a few of our maintenance facility projects.

The Corbin City Utilities Commission Office, Maintenance and Warehouse Buildings project involved the renovation of an existing automobile dealership into a maintenance garage, as well as a new office and storage facility in Corbin, Kentucky.

The Clark County Schools Transportation Offices and Bus Maintenance Facility involved four drive-through maintenance bays (three equipped with lifts), wash bay and offices.

West Virginia Department of Administration

January 6, 2015

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The Ohio Army National Guard (ARNG) Joint Armed Forces Readiness Center and Maintenance Shops encompass 85,865 SF including a 24,963 SF maintenance shop with 10 drive-through bays, exterior covered wash bay and offices.

The Aliceville Federal Correctional Institution (FCI) Vehicle Maintenance Facility has service bays equipped with vehicle exhaust ventilation systems and electro-hydraulic lift for both cars and buses. The facility's bus wash includes a sand trap, and exits through an oil/water separator.

The Kentucky ARNG Joint Armed Forces Reserve Center and Field Maintenance Shops is a new KY ARNG facility that replaced two ARNG armories and a small USAR Reserve Center, and is located next to a municipal airport in Paducah, Kentucky. The FMS is a 13,917 SF facility with administrative, educational, storage, building operating and support spaces, and six vehicle work bays.

Our team offers expertise and local talent. GRW's design experts understand the unique challenges presented in a military environment and we will offer innovative solutions based upon our technological know-how and past experiences. Our team's local knowledge and capacity has been strengthened by GRW's recent acquisition of Chapman Technical Group, a 36-person West Virginia-based firm. Our combined resources now provide you access to more than 250 professionals, including two building design studios including 12 architectural professionals and more than 40 electrical, mechanical, structural and civil/site engineers and landscape architects. The majority of the work for the Coonskin Park project will be performed by our St. Albans design team.

We are committed to your success. Taking care to meet your goals for your budget and schedule is a priority, as it is on every GRW project. From our extensive federal, state and local government experience, we know how to "design to cost" by matching the design to the funds available for the project, thus eliminating the need for redesigns and rebids to bring the cost within budget. We use a variety of cost estimating methods, in addition to maintaining a current database of bid tabulations for similar projects, and we keep track of materials and labor cost trends.

We believe the GRW team is ideally suited to work with you to produce functional, modern and aesthetically-pleasing facilities that can be easily maintained for many years. Thank you for your consideration and for the opportunity to work with the West Virginia Army National Guard. We look forward to the next step in your selection process where we can present our project and further discuss your project.

Sincerely,

GRW



Joseph E. Bird, ASLA
Vice President



engineering | architecture | geospatial

Expression of Interest

**A/E Services
Design Coonskin Park
Maintenance Complex Building
Solicitation No.: CEOI 0603 ADJ1500000003**

**State of West Virginia
Army National Guard**

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Building Design and Construction's Giants 300 report ranks GRW among the nation's top firms in design and construction.

Attachment A: Firm Experience and References

Founded 50 years ago, GRW is an employee-owned, architectural, engineering and geospatial services firm with more than 250 employees including two building design studios with architectural professionals, as well as electrical, mechanical, structural, and civil/site engineers and technicians.

GRW Service Offerings

- Architecture
- Mechanical Engineering
- Electrical Engineering
- Structural Engineering
- Civil/Site Engineering
- Landscape Architecture
- Water Resources Engineering
- Transportation Engineering
- Construction Administration and Resident Project Representation (Inspection)
- Master Planning
- Sustainable Design
- Cost Estimating
- Aerial Mapping, Surveying and GIS
- Anti-Terrorist Force Protection and Physical Security

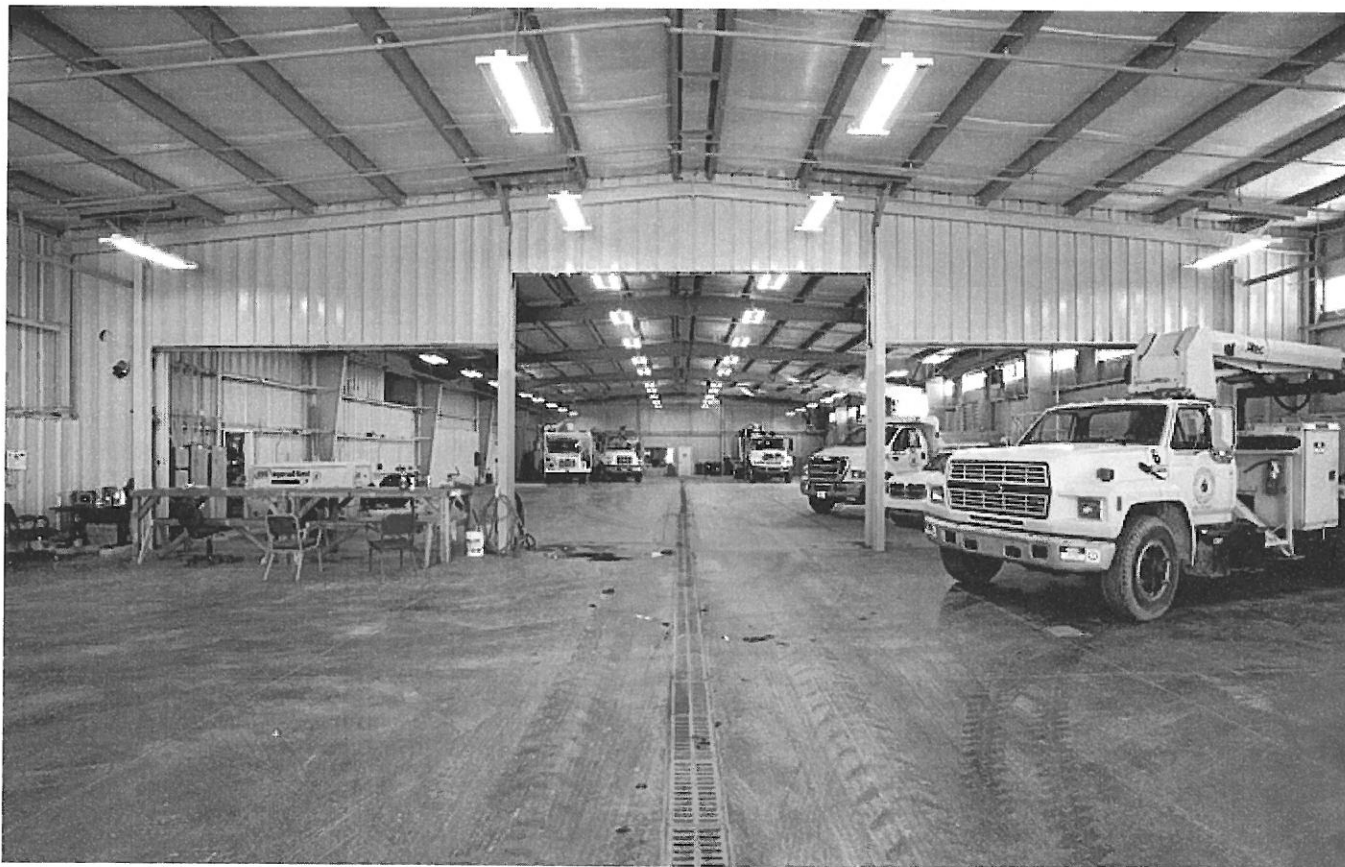
Maintenance Facility Experience

When you choose GRW, you can be assured of a team familiar with National Guard procedures, as well as expertise with maintenance facility design. We have selected the following project examples to illustrate this experience:

- Corbin City Utilities Commission Office, Maintenance and Warehouse Buildings
- Clark County Schools Transportation Offices and Bus Maintenance Facility
- Berea Municipal Utilities and Street Department Operations Center
- Ohio Army National Guard Joint Armed Forces Readiness Center and Maintenance Shops
- Kentucky Transportation Cabinet District Offices Renovation
- Northpoint Training Center Replacement
- Aliceville Federal Correctional Institution Vehicle Maintenance Facility
- Kentucky ARNG Joint Armed Forces Reserve Center and Field Maintenance Shops
- Louisville International Airport Quick Turnaround (QTA) Facility

Reference information, including project name and address, completion date, construction amount, and current contact name and phone number, has been provided for each of these projects.

As you browse through this section, we also encourage you to review a summary of GRWs' extensive Guard and Department of Defense experience.



The KY ARNG project received two awards from the DBIA, Ohio Valley Chapter: First Place Award for Public Sector Projects over \$15 Million and a Design-Build Excellence Award.

Kentucky Army National Guard Reserve Center and Field Maintenance Shops Paducah, Kentucky

GRW provided the engineering design services as part of a Design-Build team for this \$14.7 million BRAC project, which meets the LEED Silver design criteria.

The 13,917 SF Field Maintenance Shops include:

- Six vehicle work bays
- Tools and parts storage
- Battery room
- Bulk POL storage and lubrication system storage
- Private offices
- Classrooms and a library
- Building operating spaces and support spaces
- Unheated storage building

Sustainable design features of the AFRC/FMS complex include occupancy sensor controlled interior lights throughout; T5 low mercury, high-efficiency fluorescent lamps and electronic ballasts throughout for 12.5% energy reduction over ASHRAE 90.1 baseline figures; and energy submetering connected to building management system (DDC).

Site work included parking, wash platform, loading dock, access roads and ramps; flammable material storage and controlled waste facilities; site force protection measures, security lighting, utilities, and landscaping..

Complex Issues | Unique Solutions

Two complex project issues requiring unique solutions are related to the POL system and shop equipment. For POL, the ARNG desired remote dispensing systems in the vehicle bays for anti-freeze, ATF, 10W30 oil, 15W40 oil and grease. GRW's staff engineered a creative solution that was successful and well received by the user. The pumping equipment was housed in a remote room with easy access for product deliveries (and consolidated containment), and the layout had flexibility to allow the ARNG to seamlessly change fluid vendors. Tubing to the bays (**shown at left**) was stainless steel and placed on the sidewall of a floor trench system that doubled as a trench drain for the bays.

A second challenge involved existing, un-cataloged shop equipment at multiple locations in Paducah and Frankfort. To successfully relocate equipment and connect to building utilities, GRW organized a team meeting to discuss this equipment, and then reviewed and cataloged each piece on site. Catalog information included nameplate ratings/requirements, and proper space allocation to properly fit out the facility.

Completion Date: January 2009 **Construction Cost:** \$14,700,000

Client Contact: Col. Steve King, CFMO for KY, Kentucky Army National Guard, Boone National Guard Center, (502) 607-1874; steven.t.king@us.army.mil



Ohio Army National Guard Joint Armed Forces Readiness Center and Maintenance Shops Springfield, Ohio

"I want to take this opportunity to tell you and your team how much the Ohio ARNG appreciated the design GRW produced for the Springfield AFRC and FMS. Of particular note was your Project Manager, Jimmy Piper, who did an outstanding job coordinating all design disciplines, incorporating the Ohio ARNG design comments, and following all required design guidance from the NGB to ensure all design submissions were timely and complete."
*Colonel Robert C. Clouse,
Ohio ARNG*

GRW provided full-discipline A/E services for planning, design and construction of a new LEED Silver Certified 85,865 SF Joint Armed Forces Readiness Center (AFRC) and Field Maintenance Shop (FMS) for the Ohio Army National Guard (ARNG) and the US Army Reserves (USAR). Designed to match the architecture of the facilities on an adjacent site occupied by the Ohio Air National Guard, the complex includes many sustainable design features such as low flow plumbing fixtures; maximized daylight in service bays; occupancy sensor-controlled interior lights; T5 low mercury, high-efficiency fluorescent lamps and electronic ballasts; energy submetering connected to building management system; and a geothermal system for heating and cooling of the facilities.

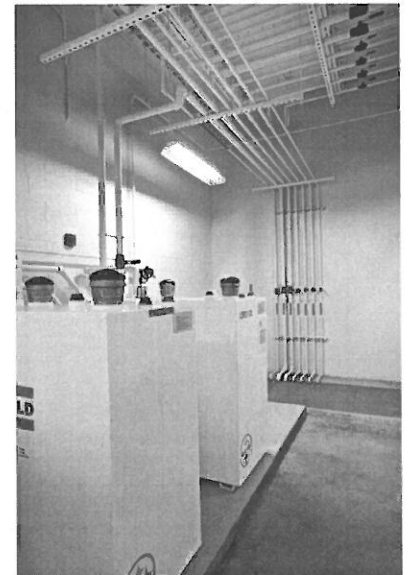
The 24,963 SF Field Maintenance Shops includes:

- 10 drive-through bays
- Tools and parts storage
- Battery room
- Bulk POL storage and lubrication system storage
- Flammable material storage and controlled waste facilities
- Private shop offices
- Classrooms and library

Additional site work involved parking, wash platform, loading dock, access roads, force protection measures, security lighting, utilities and landscaping.

Innovative design features incorporated into this project include:

- Large interior concrete slab areas specified with type 'K' cement eliminating the need for control joints
- Central vehicle fluid system (POL) piped to each service bay for replacement and used fluids
- Clerestory windows provide maximum daylight
- Central office area / shipping and receiving
- Supervisor's office with view of shop floor
- Exterior covered wash bay
- Stormwater solids collector utilized as an additional incremental increase in water quality, project received additional LEED points



Completion Date: June 2011 **Construction Cost:** \$14,521,060

Client Contact: George McCann, Project Manager, CFMO, Ohio Army National Guard, (614) 336-7413, george.c.mccann@us.army.mil



"The geothermal applications have made a huge difference in cutting our energy costs. The board's vision was not only to make it a comfortable, inviting and professional environment for our customers, but also for our valued employees. It's a win-win for the community!" *Ron Herd, General Manager, City Utilities Commission*

Corbin Utilities Office, Maintenance and Warehouse Buildings Corbin, Kentucky

GRW provided full serve A/E design and construction administration services for the renovation of an existing automobile dealership into a new office, maintenance garage, and storage facility for City Utilities Commission.

Situated at the front of the site and the primary project focus, the 30,500 SF Building One provides

- 18,180 SF for maintenance and storage
- 12,320 SF of office space
- Shower and locker room facilities
- Warehouse for company service vehicles
- Public lobby with cashier's counter

The exterior work included re-grading the site and removing areas of the existing asphalt paving to control site drainage and run-off. Secure parking is provided for employees, as well as two drive-thru bays for customer convenience.

The following energy efficient items were incorporated into the renovation project: hydronic geothermal system, direct digital control (DDC) system, high-efficiency plumbing fixtures, and high-efficiency lighting and lighting controls.

Completion Date: December 2010 **Construction Cost:** \$2,540,973

Client Contact: Ron Herd, General Manager, Corbin City Utilities Commission, (606) 528-4026 Ext.100; ron.herd@corbinutilities.com

Berea Municipal Utilities and Street Department Operations Center Berea, Kentucky

An existing vacant manufacturing facility containing approximately 97,000 SF was renovated and adapted for reuse as a new operations facility for the City of Berea. Space within the renovated facility was allocated as follows:

- 33,000 SF of drive-in storage/maintenance space for Berea Municipal Utilities
- 31,000 SF of drive-in storage/maintenance space for city streets/roads
- 20,000 SF of unassigned warehouse space
- 13,000 SF of shared office space

The shared office area was renovated to create a new public lobby that includes multiple cashier's counters for walk-in customers, general office space, shower and locker room facilities for employees, meeting spaces, and a break room. The office environment is designed to be functionally efficient for the general public and sensitive to the needs and safety of the employees. ADA and life-safety upgrades were accomplished as part of the renovation work.

Along with the renovation of the existing facility, a **new 6,000 SF vehicle maintenance addition** was included as part of the work. This addition allows the City to perform light maintenance on their service vehicles. This addition includes:

- One drive-through wash bay
- Two drive-through maintenance bays for large vehicles
- Two smaller single-door maintenance bays
- Vehicle lifts at two bays

Completion Date: December 2006

Construction Cost: \$850,000

Client Contact: Dale VanWinkle, Codes and Planning Administrator, City of Berea, KY; (859) 986-8528; dvanwinkle@bereaky.gov





Northpoint Training Center Replacement Burgin, KY

GRW provided design and construction oversight services for this fast-track project to rebuild prison facilities at the Northpoint Training Center, after a fire in 2009 rendered five buildings at the site complete losses.

Following a week-long programming charrette with the Kentucky Department of Corrections and Division of Engineering & Contract Administration, the 41,646-SF project program (two new buildings, renovation of seven buildings, as well as the 1,900 SF addition/renovation of the control building) was defined and preliminary building placement locations were determined.

Project highlights include:

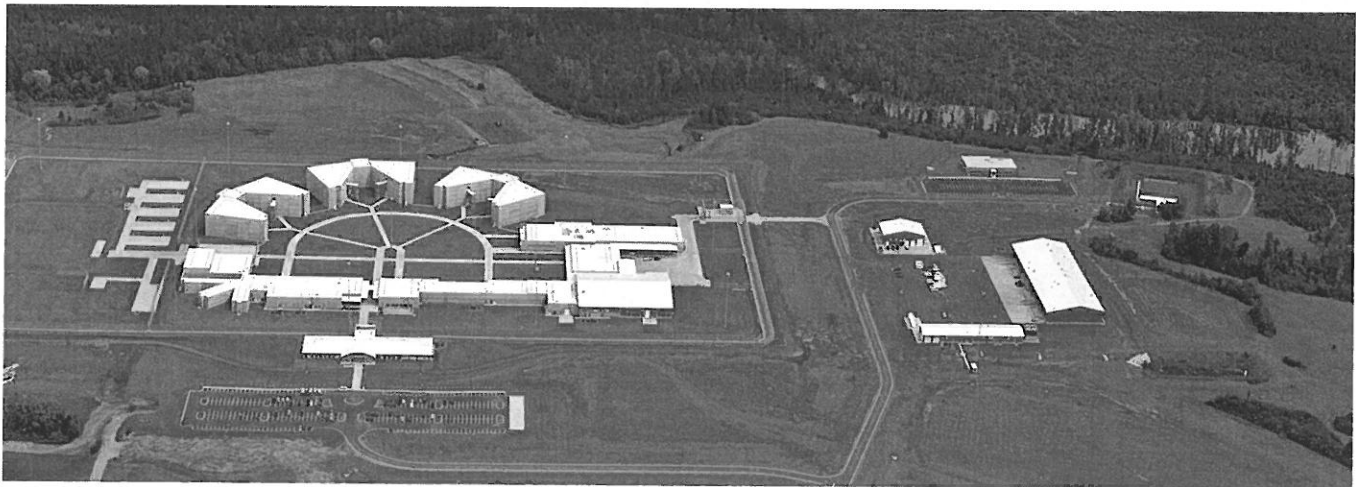
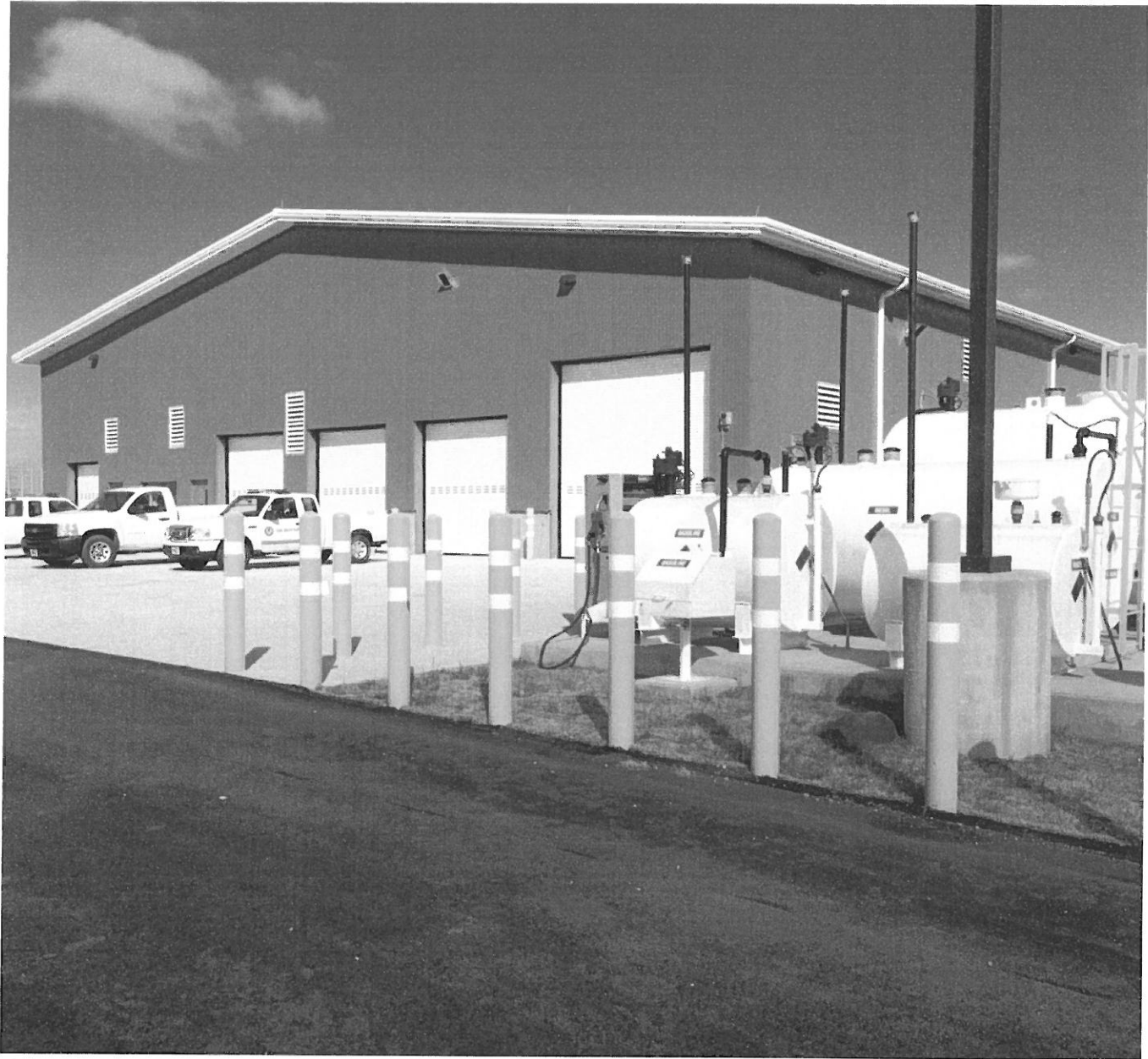
- 40,000 SF Program Building (commercial kitchen, two dining rooms, medical and dental clinics, canteen, multipurpose classrooms, library, and sanitation)
- 6,400 SF Visitation Building
- New two megawatt central auxiliary power generator (12.47 KV) and power distribution system for the entire prison
- New security electronics and exterior door replacement at the six existing two-story dormitories
- Met LEED Certified Design Criteria

The project was bid in six bid packages – **building demolition**, fencing, site/foundation, structural steel, building envelope and mechanical/electrical/ kitchen equipment/security electronics/corrections doors/hardware/ interior finishes) – to allow the contractor to break ground and complete site utilities, foundations, building envelopes before winter weather.

Completion Date: May 2012 **Construction Cost:** \$17,250,959

Client Contact: Bruce Wilson, DECA; (502) 564-3155 x 273; bruce.wilson@ky.gov





Federal Correctional Institution Vehicle Maintenance Facility Aliceville, Alabama

GRW led the design team for the design-build of this women's medium-security Federal Correctional Institution (FCI) and minimum-security Federal Prison Camp – the first LEED Silver FCI completed for the Federal Bureau of Prisons. This \$196 million project has a gross building area of approximately 665,889 SF.

Among the 26 buildings, the complex includes several pre-engineered metal buildings such as the Vehicle Maintenance Facility for central fueling and maintenance of all fleet vehicles including buses. The service bays are equipped with vehicle exhaust ventilation systems and electro-hydraulic lift for both cars and buses. A bus wash facility is also associated with this structure, which utilizes a sand trap, and exits through an oil/water separator.

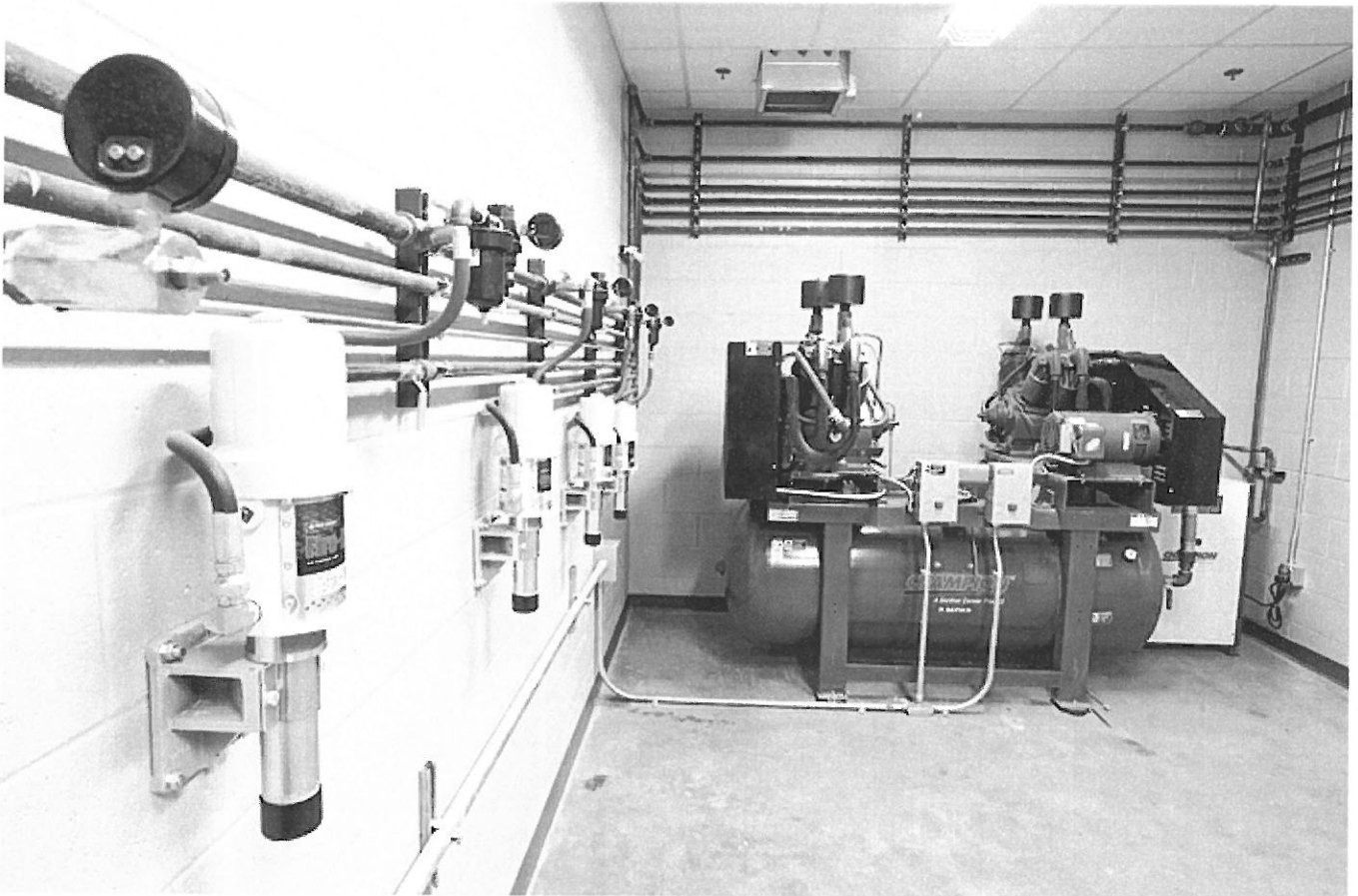
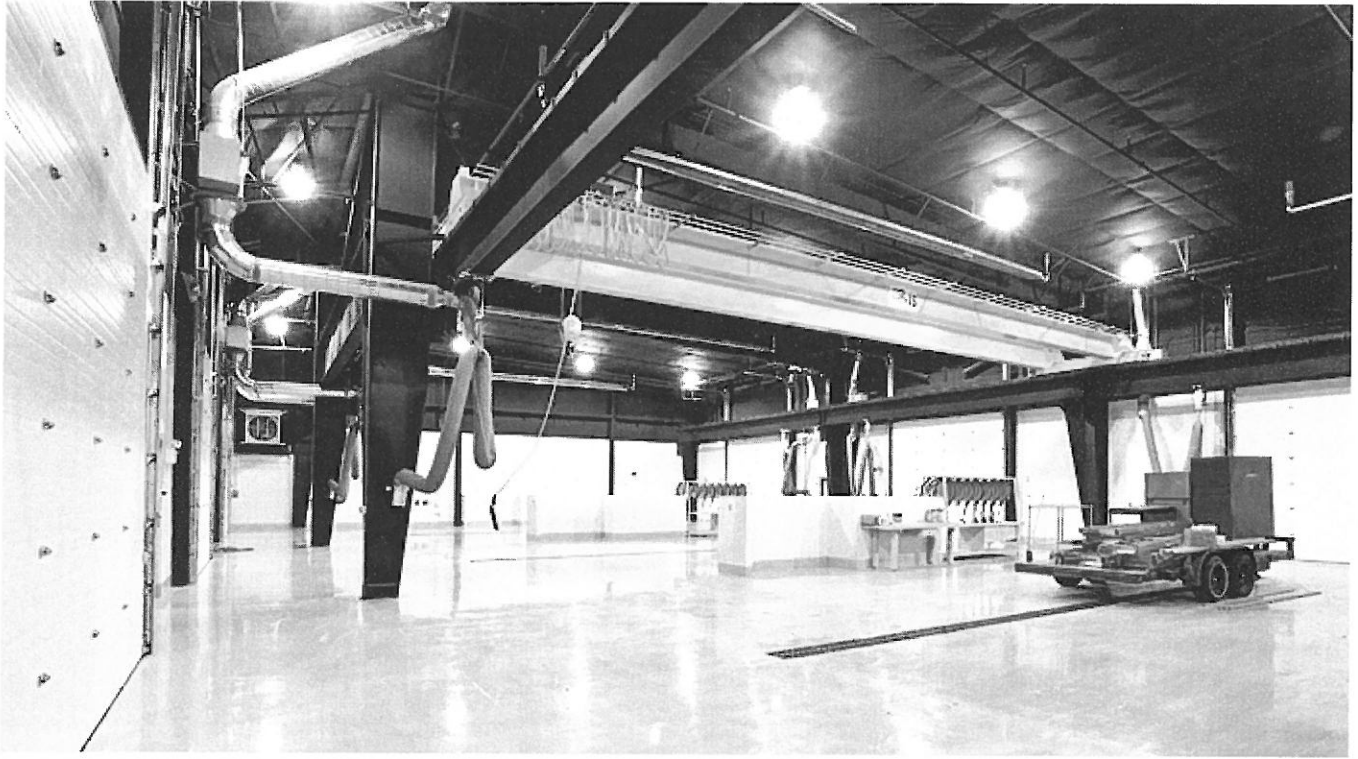
Fuel dispensing of both unleaded and diesel is controlled by a computer located in this facility. Authorized users scan a card reader at the dispensers, located outside the building. Waste oil and anti-freeze tanks are also provided. Fuel and waste oil tanks are above ground, secondary containment type tanks; diesel is 2000-gallon capacity and unleaded is 6000-gallon capacity. Waste oil and anti-freeze tanks are 250 gallons each.

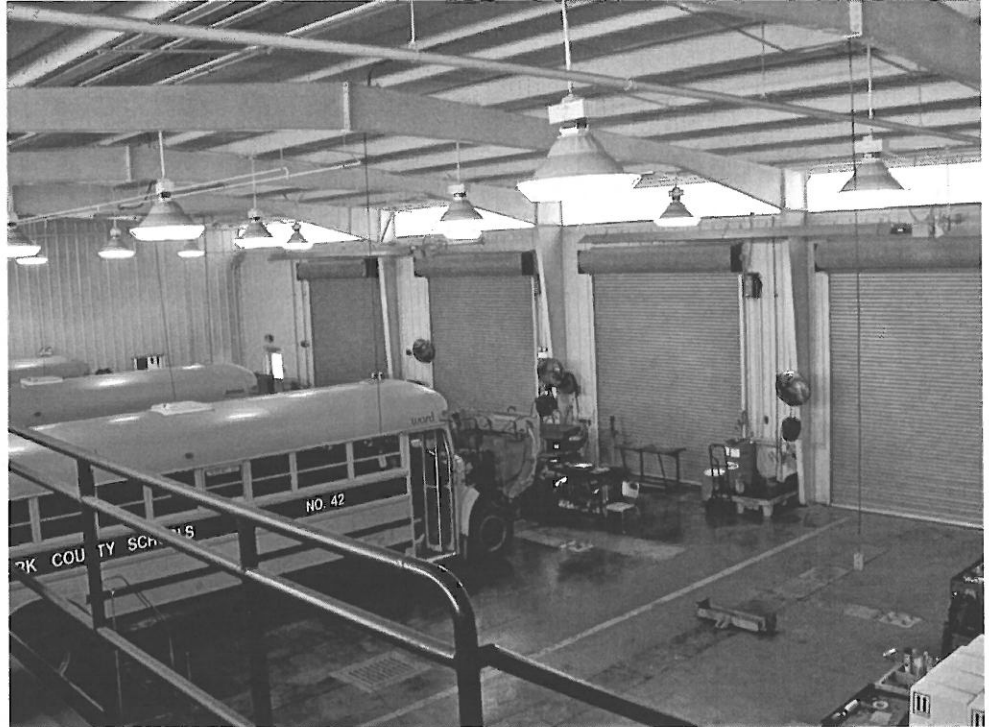
Completion Date: November 2011

Construction Cost: \$ 196,608,438 (entire prison campus)

Client Contact: Mitch Miskimins, Project Manager, Federal Bureau of Prisons, (202) 514-9582, mmiskimins@bop.gov







Clark County Schools Transportation Offices and Bus Maintenance Facility Winchester, Kentucky

This project involved the architectural design of a 2,250 SF of office space, 8,700 SF of maintenance space, and 2,450 SF of mezzanine space. The overall project program included:

- four drive-thru maintenance bays - three equipped with lifts
- drive-through "touch-free" wash bay
- mezzanine level space
- four individual staff offices
- two staff breakrooms, and
- ADA compliant men's and women's restroom facilities.

The exterior of the pre-engineered metal building consists of 8" split-face CMU and ribbed metal panels. Ribbed translucent "daylight" panels are located along the eave to allow additional light into the workspace.

The interior faces of the exterior walls are lined with ribbed metal panels to conceal the building structure and batt insulation while also upgrading the final appearance. The remaining interior office walls were constructed with 8" CMU.

Completion Date: July 1999 **Construction Cost:** \$984,800

Client Contact: Danny Fisher, Director of Transportation, Clark County Board of Education, (859) 744-5620

Attachment B: Project Team

For the Army National Guard's maintenance facility, GRW has assembled a team of professionals that specialize in this type of structure and who will work closely with you to ensure your new facility reflects your vision of the project.

GRW will provide project management and architectural, civil/site, landscape architecture, structural engineering, mechanical and electrical design, as well as construction phase services as required.

The project will be managed and coordinated from our St. Albans, West Virginia office by Joseph Bird. Shane Lyle, AIA, who has extensive Department of Defense experience, will be the lead architect, and will be supported by the architectural staff in St. Albans.

Our only subconsultant for this project will be geotechnical engineering.



WV ARNG



Project Manager

Joseph Bird, ASLA

Architectural Design

Shane Lyle, AIA, Lead Architect
Phill Warnock, AIA

Structural Engineering

David Hoy, PE

Interior Design

Sharon Chapman

Electrical Engineering

Monty Maynard, PE, LEED AP BD+C

Civil Engineering

Stephen Johnson, PE

Mechanical Engineering

Doug Cage, PE

Joseph E. Bird, ASLA

Vice President
Project Officer



Years of Experience: 36
Years with Chapman: 29

Education

B.S., Landscape Architecture,
1981, West Virginia University

Registration

Landscape Architect: WV, KY

Affiliations

WV Chapter, American Society of
Landscape Architects

Awards

Honor Award, WV ASLA
Shrewsbury Street Development Plan

Projects Include

St. Albans Streetscape Improvements
(St. Albans, WV)

Robert C. Byrd Federal Courthouse
Site Design (Beckley, WV)

VA Medical Center Healing Garden
and Site Design (Huntington, WV)

Canaan Valley State Park Ski Facility
Improvements (Canaan Valley, WV)

Lewisburg L & R Recreation Trail
(Greenbrier County, WV)

Smith Street Streetscape Improvements
(Charleston, WV)

Sixth Street Streetscape Improvements
(Covington, KY)

Qualifications

Site Development

Site planning and project management for numerous projects throughout West Virginia ranging from small campus sites to large sites for commercial, government, industrial, and institutional development. Projects include military complexes, campuses, public housing developments and other public facilities.

Parks and Recreation

Projects include swimming pools, bathhouses, cabins and support facilities for the West Virginia Division of Natural Resources and similar facilities for county and municipal park systems. Also involved in the design of facilities such as softball fields, fishing access facilities, recreation facilities for prisons, as well as passive recreation areas for public and private clients.

Miscellaneous

Other project experience includes the urban planning and development, streetscape design, roadway and storm drainage projects, as well as the project management of numerous major architectural projects throughout West Virginia. His recent relevant project experience includes the design and/or management of major recreation projects including the Beech Fork State Park Campground Improvements; the Beech Fork State Park Cabin Project; the Beech Fork State Park Swimming Pool and Bathhouse; the Blackwater Falls Cabin Projects; the Canaan Valley Golf Course Drainage Improvements Project, and the Canaan Valley Ski Area Improvements Project.

Shane Lyle, AIA

GRW Architect



Years of Experience: 30

Years with GRW: 24

Education

Bachelor of Architecture
(with honors), 1983,
University of Kentucky

Registration

Registered Architect: KY, WV, TN, AL, IN, TX, MS, SC, FL, MO
National Council of Architectural Registration Boards Certification
Certified Interior Designer: Kentucky

Qualifications and Similar Project Experience

With 30 years of experience, Mr. Lyle has had primary responsibility for a wide range of architectural projects for clients including universities, medical facilities, local and state governments, the U.S. Armed Forces, the Federal Bureau of Prisons, and private developers. His areas of responsibility typically include programming/planning, budget analysis, design, construction documents, client meetings, bidding/negotiation services, construction phase services, and code compliance.

UK Nursing Building Renovation, Lexington, KY - Principal-in-Charge.

Marshall University Weisberg Family Engineering Laboratory, Huntington, WV - Project Manager.

Cumberland Valley Technical College Building One Renovation, Harlan, KY - Project Manager.

UK Soccer/Softball Field House and Stadium Facilities, Lexington, KY - Principal-in-Charge.

Murray State University Waterfield Library Renovations and Addition, Phases I, II & III, Murray, KY - Project Manager.

UK Ag Science South (Garrigus Bldg) Life Safety Upgrades, Lexington, KY - Project Manager.

Murray State University Winslow Cafeteria Renovation, Murray, KY - Project Manager.

Murray State University Winslow Cafeteria Deli Renovation, Murray, KY - Project Manager.

Murray State University Lovett Auditorium Renovation, Murray, KY - Principal.

LEED Silver Certified, Aliceville Federal Correctional Institution and Satellite Camp, Aliceville, AL - Project Manager.

Murray State University Elevator Upgrades, Murray, KY - Principal-in-Charge.

Murray State University Racer Arena ADA Seating Upgrades, Murray, KY - Project Manager.

UK Hospital 4 North Nursing Unit Renovation, Lexington, KY - Project Manager.

West Virginia ANG 130th Airlift Wing Building 107 Renovation, Charleston, WV - Principal.

West Virginia ANG 130th Airlift Wing Security Forces Squadron Facility Renovation and Expansion, Charleston, WV - Principal.

West Virginia ANG 130th Airlift Wing Building 107 Consolidation Study, Charleston, WV - Principal.

West Virginia ANG 167th Airlift Wing Maintenance Mall (Building 307) Repair, Martinsburg, WV - Principal.

West Virginia ANG 130th Airlift Wing Squadron Operations Facility Repair, Charleston, WV - Principal.

West Virginia ANG 130th Airlift Wing Communications Facility, Charleston, WV - Project Manager.

Phillip A. Warnock, NCARB, AIA

Project Architect



Years of Experience: 21
Years with Chapman: 11

Education

B.S., Architecture, 1995,
University of Tennessee

Registration

Architect: WV, KY

Affiliations

National Council of Architectural
Registration Boards
American Institute of Architects

Awards

Honor Award, WV AIA
Upshur County Courthouse

Merit Award, WV AIA
I-79 Burnsville Rest Area

Qualifications

Architectural Design

Experience ranges from design, detailing and drafting through project management and construction administration of building projects in various states, including West Virginia, Tennessee, Kentucky and South Carolina.

Experience Includes

- Public School Facilities
- Historic Preservation/Restoration/Adaptive Reuse
- Community/Recreation Centers
- Aviation Facilities
- Governmental Facilities
- Health Care/Pharmaceutical Facilities
- Military Support Facilities/Armories
- Multi-Family Housing
- ADA Assessments
- Research and Development Labs
- HUD 811, 202 and ECHO Facilities
- Office Buildings
- Rest Areas and Welcome Centers
- Public Safety Facilities

Projects Include

Upshur County Courthouse Projects
(Buckhannon, WV)

State Road Commission Building Renovation
(Charleston, WV)

New WV DOH Rest Areas and Welcome Centers
(21 Locations throughout WV)

New Roark-Sullivan Lifeway Center Men's Shelter
(Charleston, WV)

Mercer County Airport Terminal Building Renovation
(Bluefield, WV)

New Pocahontas County Community Center
(Marlinton, WV)

New Whitestown Maintenance Garage
(Whitestown, IN)

W. Thomas Cloer, III, NCARB, AIA

Project Architect



Years of Experience: 13
Years with Chapman: 8

Education

B.S., Architecture, 2001
University of Tennessee

Registration

Architect: WV, VA

Affiliations

National Council of Architectural
Registration Boards
WV Chapter,
American Institute of Architects
St. Albans Property and Maintenance
Board Member
St. Albans Historic District
Committee Member

Qualifications

Architectural Design

Experience ranges from drafting, detailing and design through project management and construction administration of building projects throughout West Virginia and Virginia.

Experience Includes

- Public School Facilities
- Government Facilities
- Office Buildings
- Medical Office Facilities
- Single Family Housing
- Multi-Family Housing
- Recreational Facilities
- ADA Assessments
- Site Planning

Projects Include

Smithville Elementary School Renovation/Addition
(Ritchie County, WV)

Man K-8 School Addition
(Logan County, WV)

Jane Lew Elementary School Addition
(Lewis County, WV)

New Blackwater Falls State Park Cabins
(Davis, WV)

New Canaan Valley State Park Ski Lodge
(Canaan Valley, WV)

Sharon L. Chapman

Interior Designer



Years of Experience: 23
Years with Chapman: 23

Education

B.A., Carlton Department of Art and Interior Design, 1993,
University of Charleston

Registration

Allied Member, American Society of Interior Designers

Affiliations

Allied Member, ASID
St. Albans Rotary
Thomas Memorial Hospital Foundation
STARDA Board
BB&T Advisory Board
Gabriel Project of WV

Awards

Academic Achievement Award,
Art and Design, University of Charleston
Finalist, Entrepreneur of the Year, 1999
Finalist, Entrepreneur of the Year, 2000
St. Albans Renaissance Group,
Business Person of the Year, 2002
Junior Achievement,
Chairman's Award, 2002-2003
St. Albans Renaissance Group, Appreciation
Award, 2005
George Warren Fuller Award, 2005
Thomas Memorial Foundation,
Quiet Hero Award, 2009
Alumni Achievement,
University of Charleston, 2012

Qualifications

Space Planning and Interior Design

Space planning, interior design, material selections and furniture layouts for new and renovation projects including a courthouse annex, city hall renovations and other public buildings, private offices, commercial facilities, recreation facilities, industrial buildings, and residential properties. Also involved in building renovation feasibility studies and use analyses, and building facade renovation projects.

Projects Include

Upshur County Courthouse
(Buckhannon, WV)

State Road Commission Building
(Charleston, WV)

WV DOH Rest Areas and Welcome Centers
(21 Locations throughout WV)

Roark-Sullivan Lifeway Center Men's Shelter
(Charleston, WV)

Mercer County Airport Terminal Building
(Bluefield, WV)

David C. Hoy, P.E.
Civil/Structural Engineer



Years of Experience: 7
Years with Chapman: 7

Education

B.S., Civil Engineering, 2006,
West Virginia University

Registration

Civil Engineer: WV, KY, VA

Affiliations

Chi Epsilon, National Civil Engineering
Honor Society
ASCE, Member

Qualifications

Structural Engineering

Experience with investigation and analysis of existing structures. Experience with the design of various building structural systems including timber, concrete, steel, and masonry construction. Experience with foundation design, including metal building foundations and also deep foundations. Experience with structural design of water and wastewater structures both above and below ground. Performs shop drawing reviews and makes periodic site visits during the construction phase of projects.

Projects Include

Jane Lew Elementary School Renovation
(Lewis County, WV)

State Road Commission Building Renovations
(Charleston, WV)

Canaan Valley Resort State Park New Ski Lodge
(Davis, WV)

St. Albans Fire/Police Station Renovations
(St. Albans, WV)

Monty Maynard, PE, LEED AP BD+C

GRW Electrical Engineer



Years of Experience: 36

Years with GRW: 17

Education

B.S., Electrical Engineering, 1978,
University of Kentucky

Registration

Professional Engineer (Electrical): KY, WV, IN, GA,
TN, TX, NV, NC, MS, MI, AL, CA
NCEES Member allows reciprocity with other states
LEED Accredited Professional,
Building Design + Construction

Professional Affiliations and Training

National Fire Protection Association
American Council of Engineering Companies
National Council of Examiners for Engineering
and Surveying
Ohio Valley Region,
Design Build Institute of America
Society of American Military Engineers
Kentucky Society of Healthcare Engineers

Qualifications and Similar Project Experience

Mr. Maynard has 36 years of experience with electrical and mechanical design, process instrumentation and control, and project management. Mr. Maynard has designed electrical and mechanical systems for more than 300 projects with total construction values as high as \$188 million. His areas of technical expertise include electrical power distribution, substation design, alarm systems, communications, lighting, lightning protection, instrumentation/controls/telemetry, power quality, energy efficiency and code compliance.

**Cumberland Valley Technical College
Building One Renovation, Harlan, KY -
Electrical Engineer.**

**Marshall University Weisberg Family
Engineering Laboratory, Huntington, WV -
Electrical Engineer.**

**Jefferson Community College Hartford
Building Elevator Modernization, Louisville,
KY - Principal-in-Charge.**

**Murray State University Elevator Upgrades,
Murray, KY - Engineering Manager.**

**Murray State University Fire Sprinkler
Retrofit and Fire Alarm Upgrades, Murray,
KY - Principal-in-Charge.**

**Murray State University Winslow Cafeteria
Renovation, Murray, KY - Engineering
Manager.**

**Western Kentucky University, Wetherby
Administration Building, UPS
Replacement/Standby Power Addition,
Bowling Green, KY - Project Manager.**

**West Virginia ANG 130th Airlift Wing
Communications Facility, Charleston, WV -
Electrical Engineer.**

**West Virginia ARNG Joint Armed Forces
Reserve Center and Area Maintenance
Support Activity, Ripley, WV - Electrical
Engineer.**

**Murray State University Low-Rise
Dormitory Life Safety Project, Murray, KY -
Principal-in-Charge.**

**Southeast Community College Falkenstine
Hall Chiller Replacement, Cumberland, KY -
Principal-in-Charge.**

**UK Commonwealth Stadium Expansion,
Phase I, Lexington, KY - Electrical Engineer.**

**UK Donovan Hall Sprinkler Addition,
Lexington, KY - Principal-in-Charge.**

**UK Haggin Hall Life Safety Project,
Lexington, KY - Principal-in-Charge.**

**Western Kentucky University Fire Alarm
Upgrades, Bowling Green, KY - Principal.**

Doug Cage, PE

GRW Mechanical Engineer



Years of Experience: 24

Years with GRW: 9

Education

M.S., Mechanical Engineering, 1995, Missouri University of Science and Technology

B.S., Mechanical Engineering, 1988, Missouri University of Science and Technology

Registration

Professional Engineer: KY, MO, WV, AL, OH, TX

Professional Affiliations and Training

American Society of Heating, Refrigeration, and Air Conditioning Engineers (ASHRAE), Bluegrass Chapter Board of Governors

American Society of Mechanical Engineers (ASME), Member

Building Officials & Code Administrators International (BOCA), Professional Member

Qualifications and Similar Project Experience

Mr. Cage has 24 years of experience with building mechanical (HVAC, plumbing and fire protection) and process systems. His background as an Army Energy Office Chief lends a critical eye to the energy efficiency of systems for which he is responsible. Mr. Cage has been responsible for the mechanical, plumbing, and fire-protection systems design and construction of over 100 new and renovated facilities including military, civic, educational, healthcare, historic, housing, institutional and religious facilities.

Marshall University Weisberg Family Engineering Laboratory, Huntington, WV - Lead Mechanical Engineer.

Cumberland Valley Technical College Building One Renovation, Harlan, KY - Mechanical Engineer.

Indiana University Musical Arts Center Utility Replacement, Bloomington, IN - Lead Mechanical Engineer.

UK Nursing Building Renovation, Lexington, KY - Mechanical Engineer.

Eastern Kentucky University Bizzack Building Repairs, Richmond, KY - Mechanical Engineer.

Eastern Kentucky University Powell Hall Renovations, Richmond, KY - Mechanical Engineer.

Eastern Kentucky University Health Education Center, Richmond, KY - Mechanical Engineer.

University of Kentucky IRIS Building, Lexington, KY - Lead Mechanical Engineer.

West Virginia ANG 130th Airlift Wing Communications Facility, Charleston, WV - Mechanical Engineer.

West Virginia ANG 130th Airlift Wing Communications Facility Code / Criteria Review, Charleston, WV - Mechanical Engineer.

West Virginia ANG 130th Airlift Wing Security Forces Squadron Facility Renovation and Expansion, Charleston, WV - Mechanical Engineer.

Ashland Community College Indoor Air Quality Improvements, Ashland, KY - Mechanical Engineer.

Murray State University Lovett Auditorium Renovation, Murray, KY - Mechanical Engineer.

Southeast Community College Two Residential Hall HVAC Renovations, Cumberland, KY - Mechanical Engineer.

Kentucky State University Computer Lab, Frankfort, KY - Lead Mechanical Engineer.

Stephen M. Johnson, P.E.

Civil/Environmental Group Manager



Years of Experience: 10

Years with Chapman: 8

Education

B.S., Civil Engineering, 2004,
West Virginia University
Institute of Technology

Registration

Civil Engineer: WV, NC, VA

Affiliations

Water Environment Association
WV American Water Works Association
WV & VA Rural Water Association
Water for People

Miscellaneous

NEC Certified, 2011
SDI Certified SCUBA Diver

Projects Include

Bluefield Sanitary Board
Wastewater System Improvements
(Bluefield, WV/VA)

St. Albans Water/Wastewater/Stormwater
Improvements (St. Albans, WV)

Elkins Road PSD Water System Improvements
(Elkins, WV)

Middle Creek Decentralized Wastewater
System Improvements
(Tazewell County, VA)

Qualifications

Water Systems

Overall experience includes planning, design, bidding, and construction administration/management of various public and private water system projects throughout West Virginia, Virginia, and North Carolina. Specific project experience includes distribution systems, river crossings, horizontal directional drills, wells, raw water intakes, transmission lines, booster stations, treatment plants, ground and elevated water storage tank design, painting, and rehab, SCADA systems, computer modeling, treatment process evaluation, and problem troubleshooting in existing systems.

Wastewater Systems

Overall experience includes comprehensive system master plans, design, bidding, construction administration and management of various public and private wastewater system projects throughout West Virginia, Virginia, and North Carolina. Specific project experience includes gravity and low-pressure collection systems, pump stations and force main transmission systems, treatment plant process evaluation and design, trenchless pipeline rehabilitation, bypass pump system design, odor and corrosion control, effluent infiltration ponds, decentralized and alternative on-site disposal systems, and SCADA systems.

Jason E. Brown, P.S.

Professional Surveyor



Years of Experience: 19
Years with Chapman: 4

Education

A.S., Land Surveying, 2002,
Glennville State College, WV

Registration

Professional Surveyor: WV, KY

Affiliations

WV Society of Professional Surveyors

Qualifications

Highways

Established control, site surveying, topographic surveying, courthouse research, drawing production, Right-of-Way Questionnaires, bore hole stake out, and all surveying associated with the initial and final design of WV highways.

Site Development

Experienced in all types of surveying associated with site development, to include control, topographic boundaries, research, and drawing production. Projects include military complexes, public housing, commercial development, industrial and institutional complexes, churches, resorts and public facilities throughout the state.

Parks and Recreation

Associated surveying for projects including swimming pools, bathhouses, cabins and support facilities for the West Virginia Division of Natural Resources and similar facilities for county and municipal park systems.

Water/Wastewater/Stormwater Systems

Associated surveying for the design of water systems, sanitary sewer systems, and stormwater systems, including treatment facilities for both private and public systems throughout the state. Also, field experience in the inventory and collection of attribute data using GPS equipment for uploading to GIS databases.

Airports

Associated surveying for the design of runways, airport facilities, lighting, and asphalt design for holding pads for small and large airport facilities throughout the state.

Boundary Surveys

Experienced in full boundary surveys and ALTA surveys for military complexes, private residences, prison facilities, commercial sites, and all boundaries associated with various engineering projects throughout the state.

Attachment C: Work Place and Work Load

Office Location: GRW will manage and perform most services for your project from our St. Albans office. Support services such as mechanical and electrical engineering will be performed from our Lexington office. Our address and contact information:

200 Sixth Avenue St. Albans, WV 25177	(304) 727-5501 JBird@chaptech.com
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Work In-House/Not in-House: At this time, we expect GRW to complete approximately **ninety-five percent** of the work for the Maintenance Facility utilizing our in-house team of professionals. GRW's services will include project management; architectural, HVAC, plumbing, fire protection, electrical and civil/site design; construction administration; and construction inspection services, as needed. A local geotechnical engineering will perform approximately **five percent** of the project services.

Manpower Utilization: As a full service architecture, engineering, and geospatial consulting firm, GRW has a staff of more than 250 employees representing a wide range of disciplines. Our annual design workload capacity equates to facilities with a construction cost on the order of \$300 million. We currently expect our workload for the next 12-24 month period to remain stable, with active design projects equivalent to 70 percent of this capacity. On that basis, we anticipate a reserve capacity equivalent to a construction value of \$90 million; therefore, we have significant available capacity to successfully execute his project.

Project Budget and Schedule Control

At GRW, cost control, scheduling and value engineering are daily concerns. The impact of our decisions regarding project planning, design and construction are assessed in weekly project meetings with all A/E disciplines to guarantee that budgets and schedules are met. The Project Manager communicates individually and as a group with leaders of each design discipline. During these sessions, project status is discussed to determine that adequate resources are directed to meet the project schedule. The "issues tracking list" is also reviewed to ensure all problems are resolved before they can affect the schedule or budget.

As work progresses, GRW will work to monitor compliance with the construction budget and schedule. If the work appears to be lagging, the Contractor will be expected to submit a remedial plan for corrective action.

Examples of our ability to successfully manage budgets and schedules are noted below.



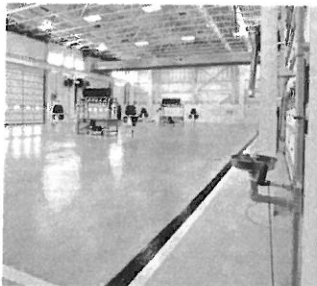
Corbin Utilities Office, Vehicle Maintenance and Warehouse Buildings, Corbin, KY

- Final construction cost \$2,539,124 approximately 0.5% over low bid
- Major building renovation and reuse of 30,500 SF office building



Northpoint Training Center, Danville, KY

- Using six bid packages, met the \$16.5M construction budget
- Bids packaged to ensure a completed functioning project
- Change orders were 5.9% of the final construction cost, of which 1.9% was due to design



Ohio Army National Guard Reserve Center and Maintenance Shops, Springfield, OH

- Innovative design methods and alternative construction materials allowed Project Manager Jimmy Piper to optimize this project so that it was bid at \$13,938,000 - approximately \$9 million under the client's Maximum Construction Cost of \$23 million.
- Bid documents included 12 bid options
- Final construction cost \$14,521,060 with a change order ratio of 4%.



Indiana Army National Guard Reserve Center, Lawrence, IN

- 109,555 SF two-story facility
- Bid at \$14,146,000; the change order costs were approximately 3.5% of the final construction cost (\$14,648,270)
- Bid documents included eight bid options



Cumberland Valley Technical College Renovation, Harlan, KY

- Completed one month ahead of schedule
- Low bid was 3% below the Architect's estimate
- Project used as example by owner to train staff on how to attain a quality project while meeting normal per unit budget amounts



Federal Correctional Institution (FCI) & Satellite Camp, Aliceville, AL

- \$188 million, 622,784 SF complex
- Submitted in three concurrent design packages:
- Package A (site work/utilities) was completed in 80 calendar days
- Package B (256,493 SF building space) completed in 284 days
- Package C (366,291 SF building space) completed in 390 days

Murray State University, KY, Winslow Cafeteria Renovation

- Bid documents were prepared and delivered (fast track) to the Owner 45 calendar days after the initial kick-off meeting
- project bid at 0.5% below the A/E estimate
- Minimal change orders occurred and were due to deteriorated plumbing piping under floor slab (found condition)

D: Required Affidavits and Certifications



Purchasing Division
 2019 Washington Street East
 Post Office Box 50130
 Charleston, WV 25305-0130

State of West Virginia
 Centralized Expression of Interest
 02 — Architect/Engr

Proc Folder: 54988

Doc Description: EOI - Coonskin Park Maintenance Complex Building Design

Proc Type: Central Purchase Order

Date Issued	Solicitation Closes	Solicitation No	Version
2014-12-10	2015-01-06 13:30:00	CEOI 0603 ADJ1500000003	1

BID RECEIVING LOCATION

BID CLERK
 DEPARTMENT OF ADMINISTRATION
 PURCHASING DIVISION
 2019 WASHINGTON ST E
 CHARLESTON WV 25305
 US

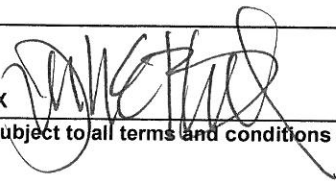
VENDOR

Vendor Name, Address and Telephone Number:

GRW
 200 6th Avenue
 St. Albans, West Virginia 25177
 Phone: 304-727-5501, Fax: 304-727-5580

FOR INFORMATION CONTACT THE BUYER

Tara Lyle
 (304) 558-2544
 tara.l.yle@wv.gov

Signature X  FEIN # 550704766 DATE 1/5/2015

All offers subject to all terms and conditions contained in this solicitation

INVOICE TO		SHIP TO	
DIVISION ENGINEERING & FACILITIES ADJUTANT GENERALS OFFICE 1707 COONSKIN DR		DIVISION ENGINEERING & FACILITIES ADJUTANT GENERALS OFFICE 1707 COONSKIN DR	
CHARLESTON	WV25311	CHARLESTON	WV 25311
US		US	

Line	Comm Ln Desc	Qty	Unit Issue
1	Maintenance Building Design	1.00000	JOB

Comm Code	Manufacturer	Specification	Model #
81101508			

Extended Description :

The WV Purchasing Division for the agency, WV Army National Guard's Division of Engineering and Facilities, is soliciting expression of interests for professional design services to provide a new Coonskin Park Maintenance Complex Building adjacent to the current Coonskin Maintenance Facility located in Coonskin Park in Charleston, WV, per the attached specifications.

ADJ150000003	Document Phase Final	Document Description EOI - Coonskin Park Maintenance Complex Building Design	Page 3 of 3
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ADDITIONAL TERMS AND CONDITIONS

See attached document(s) for additional Terms and Conditions

STATE OF WEST VIRGINIA
Purchasing Division

PURCHASING AFFIDAVIT

MANDATE: Under W. Va. Code §5A-3-10a, no contract or renewal of any contract may be awarded by the state or any of its political subdivisions to any vendor or prospective vendor when the vendor or prospective vendor or a related party to the vendor or prospective vendor is a debtor and: (1) the debt owed is an amount greater than one thousand dollars in the aggregate; or (2) the debtor is in employer default.

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

DEFINITIONS:

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

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

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

AFFIRMATION: By signing this form, the vendor's authorized signer affirms and acknowledges under penalty of law for false swearing (W. Va. Code §61-5-3) that neither vendor nor any related party owe a debt as defined above and that neither vendor nor any related party are in employer default as defined above, unless the debt or employer default is permitted under the exception above.

WITNESS THE FOLLOWING SIGNATURE:

Vendor's Name: GRW

Authorized Signature: [Signature] Date: 1/5/2015

State of West Virginia

County of Kanawha, to-wit:

Taken, subscribed, and sworn to before me this 5 day of January, 2015

My Commission expires 2-14-15, 20 .

AFFIX SEAL HERE

NOTARY PUBLIC Sandra L. Hudson

Purchasing Affidavit (Revised 07/01/2012)



ADDENDUM ACKNOWLEDGEMENT FORM
SOLICITATION NO.: CEOI - ADJ1500000003

Instructions: Please acknowledge receipt of all addenda issued with this solicitation by completing this addendum acknowledgment form. Check the box next to each addendum received and sign below. Failure to acknowledge addenda may result in bid disqualification.

Acknowledgment: I hereby acknowledge receipt of the following addenda and have made the necessary revisions to my proposal, plans and/or specification, etc.

Addendum Numbers Received:

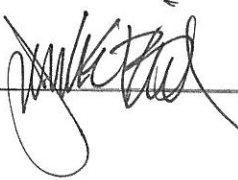
(Check the box next to each addendum received)

- | | |
|--|--|
| <input checked="" type="checkbox"/> Addendum No. 1 | <input type="checkbox"/> Addendum No. 6 |
| <input type="checkbox"/> Addendum No. 2 | <input type="checkbox"/> Addendum No. 7 |
| <input type="checkbox"/> Addendum No. 3 | <input type="checkbox"/> Addendum No. 8 |
| <input type="checkbox"/> Addendum No. 4 | <input type="checkbox"/> Addendum No. 9 |
| <input type="checkbox"/> Addendum No. 5 | <input type="checkbox"/> Addendum No. 10 |

I understand that failure to confirm the receipt of addenda may be cause for rejection of this bid. I further understand that 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.

GRW

Company



Authorized Signature

1/5/2015

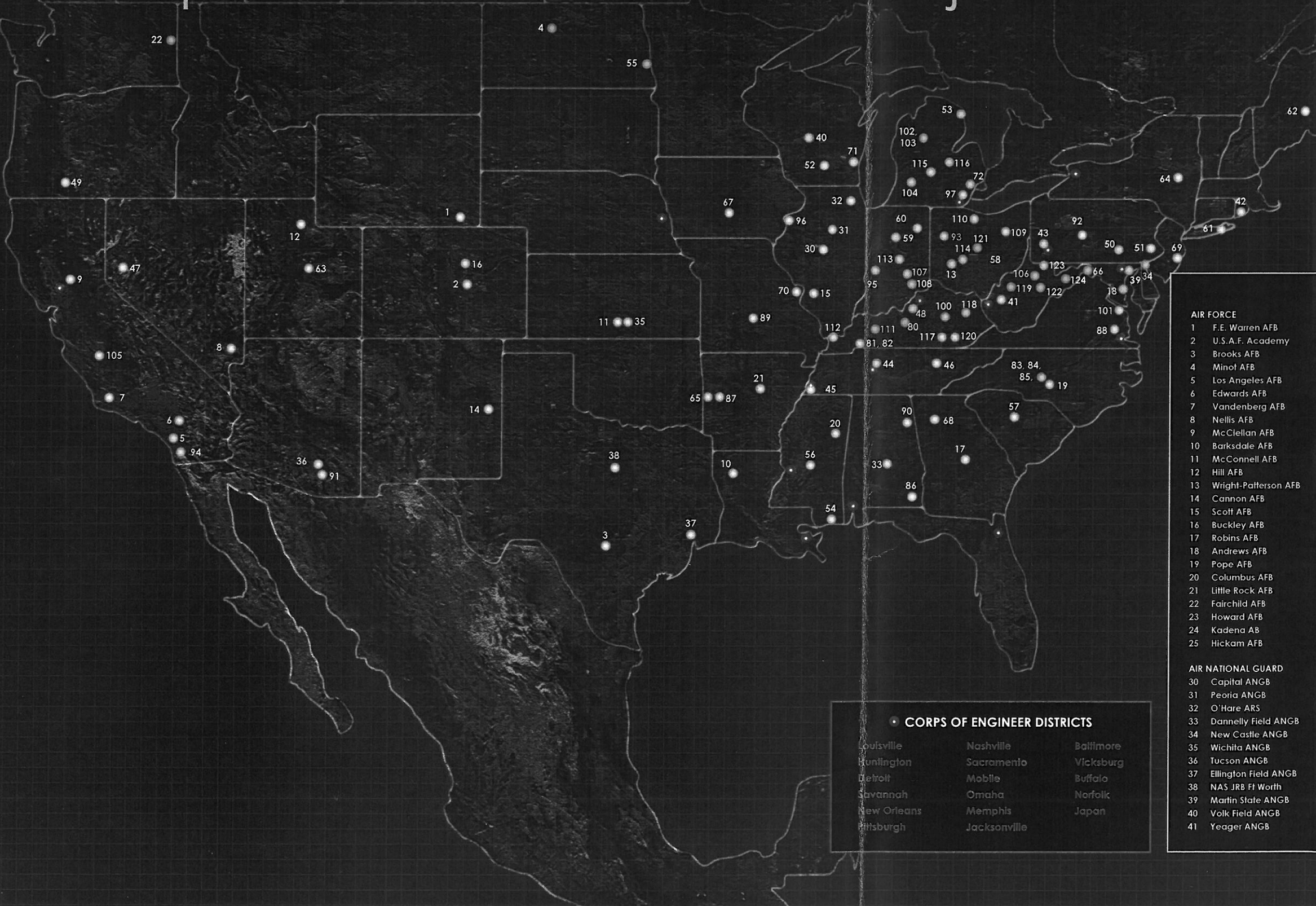
Date

NOTE: This addendum acknowledgment should be submitted with the bid to expedite document processing.



engineering | architecture | geospatial

Department of Defense Projects



● CORPS OF ENGINEER DISTRICTS

- | | | |
|-------------|--------------|-----------|
| Louisville | Nashville | Baltimore |
| Huntington | Sacramento | Vicksburg |
| Detroit | Mobile | Buffalo |
| Savannah | Omaha | Norfolk |
| New Orleans | Memphis | Japan |
| Pittsburgh | Jacksonville | |

● DOD PROJECT LOCATIONS

AIR FORCE

- 1 F.E. Warren AFB
- 2 U.S.A.F. Academy
- 3 Brooks AFB
- 4 Minot AFB
- 5 Los Angeles AFB
- 6 Edwards AFB
- 7 Vandenberg AFB
- 8 Nellis AFB
- 9 McClellan AFB
- 10 Barksdale AFB
- 11 McConnell AFB
- 12 Hill AFB
- 13 Wright-Patterson AFB
- 14 Cannon AFB
- 15 Scott AFB
- 16 Buckley AFB
- 17 Robins AFB
- 18 Andrews AFB
- 19 Pope AFB
- 20 Columbus AFB
- 21 Little Rock AFB
- 22 Fairchild AFB
- 23 Howard AFB
- 24 Kadena AB
- 25 Hickam AFB

AIR NATIONAL GUARD

- 30 Capital ANGB
- 31 Peoria ANGB
- 32 O'Hare ARS
- 33 Dannelly Field ANGB
- 34 New Castle ANGB
- 35 Wichita ANGB
- 36 Tucson ANGB
- 37 Ellington Field ANGB
- 38 NAS JRB Ft Worth
- 39 Marlin State ANGB
- 40 Volk Field ANGB
- 41 Yeager ANGB

- 42 Quonset State ANGB
- 43 Pittsburgh ANGB
- 44 Nashville ANGB
- 45 Memphis ANGB
- 46 McGhee Tyson ANGB
- 47 Reno/Tahoe ANGB
- 48 Standiford Field ANGB
- 49 Klamath Falls ANGB
- 50 Harrisburg ANGB
- 51 Willow Grove ARS
- 52 Truax Field ANGB
- 53 Alpena CRTC
- 54 Gulfport CRTC
- 55 Hector Field ANGB
- 56 Jackson ANGB
- 57 McEntire ANGB
- 58 Rickenbacker ANGB
- 59 Grissom ARB
- 60 Hulman Field ANGB
- 61 F.S. Gabreski ANGB
- 62 Bangor ANGB
- 63 Salt Lake City ANGB
- 64 Stratton ANGB
- 65 Fort Smith ANGB
- 66 Marlinsburg ANGB
- 67 Des Moines ANGB
- 68 Dobbins ARB
- 69 Atlantic City ANGB
- 70 Lambert Field ANGB
- 71 General Mitchell ARS
- 72 Selfridge ANGB
- 73 Luis Munoz Marin ANGB

ARMY/NAVY/USMC

- 80 Fort Knox
- 81 Fort Campbell
- 82 Campbell AAF
- 83 Fort Bragg
- 84 Simmons AAF
- 85 Camp Mackall

ARMY NATIONAL GUARD

- 100 Blue Grass AD AFRC/FMS
- 101 ARNG Readiness Center
- 102 Camp Greyling
- 103 Greyling AAF
- 104 Fort Custer
- 105 Camp Roberts
- 106 Camp Dawson ATS
- 107 Muscatatuck UTC
- 108 Camp Atterbury JMTC
- 109 Camp Ravenna JTC
- 110 Camp Perry JTC
- 111 Wendell H. Ford RTC
- 112 Paducah AFRC/FMS
- 113 Lawrence AFRC
- 114 Springfield AFRC/FMS
- 115 Lansing AFRC, USPFO
- 116 Midland AFRC
- 117 Williamsburg AFRC
- 118 Jackson AFRC
- 119 Ripley AFRC
- 120 Artemus RTC
- 121 Columbus RTI, CSMS, USPFO
- 122 Buckhannon AFRC
- 123 Morgantown RC
- 124 Moorefield RC

- 86 Fort Rucker
- 87 Fort Chaffee
- 88 Fort Monroe
- 89 Fort Leonard Wood
- 90 Fort McClellan
- 91 Fort Huachuca
- 92 Fort Indiantown Gap TC
- 93 Lima ATP
- 94 Camp Pendleton MCB
- 95 Crane NWSC
- 96 Rock Island Arsenal
- 97 Detroit Arsenal
- 98 Fort Buchanan