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Header @ 1

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Procurement Folder: 1611098


Procurement Type: Central Purchase Order

Vendor ID: 000000206169 


Legal Name: PICKERING ASSOCIATES INC

Alias/DBA:

Total Bid: \$0.00

Response Date: 02/05/2025 

Response Time: 11:01

Responded By User ID: PickeringAssoc 

First Name: Stephanie

Last Name: Donahoe

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Phone: 304-345-1811

SO Doc Code: CEOI

SO Dept: 0603

SO Doc ID: ADJ2500000015

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Close Time: 13:30

Status: Closed

Solicitation Description: National Guard Readiness Center JFHQ-Charleston-Design EOI

Total of Header Attachments: 1

Total of All Attachments: 1



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

State of West Virginia
Solicitation Response

Proc Folder: 1611098
Solicitation Description: National Guard Readiness Center JFHQ-Charleston-Design EO
Proc Type: Central Purchase Order

Solicitation Closes	Solicitation Response	Version
2025-02-05 13:30	SR 0603 ESR02052500000004809	1

VENDOR
000000206169
PICKERING ASSOCIATES INC

Solicitation Number: CEOI 0603 ADJ2500000015
Total Bid: 0
Response Date: 2025-02-05
Response Time: 11:01:01
Comments:

FOR INFORMATION CONTACT THE BUYER
David H Pauline
304-558-0067
david.h.pauline@wv.gov

Vendor
Signature X **FEIN#** **DATE**

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

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
1	National Guard JFHQ Readiness Center- Charleston Design EOI				0.00

Comm Code	Manufacturer	Specification	Model #
81101508			

Commodity Line Comments:

Extended Description:

Provide professional architectural and engineering design services per the attached documentation.

A/E Services for West Virginia Army National Guard



**NATIONAL GUARD READINESS CENTER
PARKERSBURG - DESIGN EOI
CEOI 0603 ADJ2500000016**

FEBRUARY 5, 2025



EST. 1988

OUR MISSION

*Our purpose is to enrich
our communities through
service to our clients.*

Department of Administration, Purchasing Division
David H. Pauline
2019 Washington Street, East
Charleston, WV 25305-0130



Mr. Pauline,

Pickering Associates is pleased to submit this proposal for Architectural and Engineering services for the new Readiness Center/Joint Forces Headquarters in Charleston, West Virginia. As a premier West Virginia-based architectural and engineering firm with an established partnership with the West Virginia Army National Guard, we are eager for the opportunity to contribute to this critical facility. Our team understands the importance of creating a state-of-the-art facility that will enhance operational readiness and support the WVANG's mission statewide.

To ensure a comprehensive site analysis, we have partnered with Terracon, a trusted firm with extensive expertise in geotechnical investigations, testing, inspection, and analytical services. Together, we bring the technical proficiency, multi-discipline coordination, and seamless communication necessary for a successful project.

Having worked on multiple WVANG projects over the years, we are well-versed in the unique requirements and operational needs of military facilities. We recognize the complexities of designing an active facility within an external institution and place a strong emphasis on collaboration, detailed site verification, and the development of precise construction documentation.

We understand that this project will be carried out in two phases:

- Phase I – Development of preliminary design up to 35% completion.
- Phase II – Completion of full design and construction administration, contingent on federal funding availability.

With all engineering services housed within our firm, we are uniquely positioned to adapt efficiently to evolving project needs. This integrated approach ensures a seamless transition between phases while maintaining budget discipline, schedule adherence, and design excellence.

At Pickering Associates, we believe that communication and collaboration are the foundation of a successful project. We will initiate the design process with an in-person organizational meeting, bringing all stakeholders together to establish project goals, define scope, and set the stage for an efficient and coordinated design phase. Our dedicated Project Manager will lead our experienced team in delivering a high-quality, well-coordinated project while keeping WVANG informed throughout the process.

With our past experience in military facility design, integrated approach, and commitment to excellence, we believe our team is ideally suited to support this important initiative. We appreciate your consideration and welcome the opportunity to further discuss how we can contribute to the success of the new Readiness Center/Joint Forces Headquarters in Charleston.

Respectfully submitted,

A handwritten signature in blue ink, appearing to read "Sp Kimble", is placed below the "Respectfully submitted," text.

Spencer Kimble, P.E.
Director of Municipal Design, Civil Engineer
skimble@pickeringusa.com | 304.464.5305 EXT. 1305

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ABOUT THE COMPANY

Founded in 1988, Pickering Associates has been providing architectural, engineering and surveying services throughout West Virginia and Ohio for over thirty years.

Our company is the product of three generations and more than 75 years of construction experience. This experience plus state-of-the-art engineering practices create a full-service, multi-discipline, architectural, engineering and surveying firm serving a wide range of needs and featuring innovative, customized solutions. Our highly qualified staff includes licensed professional engineers, professional surveyors, licensed architects, designers, and drafters as well as support personnel.

The disciplines we cover include architecture, surveying, project management, civil engineering, structural engineering, mechanical engineering, electrical engineering, process engineering, automation and control, and construction administration. Pickering Associates specializes in the above listed disciplines with education, government, healthcare, industrial, oil & gas and private sector clients.



**“WE ARE
COMMITTED TO THE
PROFESSIONAL
DEVELOPMENT AND
TECHNICAL
ADVANCEMENT OF
OUR EMPLOYEES.”**

ABOUT THE PEOPLE

In choosing Pickering Associates, your project will be performed to your specifications with frequent meetings and status reports to keep you up-to-date on the status of the project. Our sole focus is your full satisfaction with the completed quality installation.

Successfully executing more than 10,000 projects in its history, the firm has built a tremendous wealth of experience gaining insight into what works for each client type. Those lessons learned add substance to our work and provide our clients with unparalleled value.

Our objective is to partner with our clients improving their performance, flexibility, life-cycle cost, sustainability and ultimately well-being.



WHAT FULL SERVICE MEANS

GOVERNMENT BUILDINGS

For owners and designers, government buildings present a unique set of challenges and opportunities in an effort to maintain, renovate and expand services provided within the facility as well as service a wide range of individuals all with different needs and abilities. While some projects allow a design team to start from the ground up, many civic building projects involve the adaptive reuse of an existing facility or an addition to an existing facility in order to facilitate the owner's continued demand for growth. Performing extensive evaluations, prior to design, is key in providing our clients with a design that is effective and efficient in daily operation.

It is also important for owners to find a team with the depth of experience in dealing within the restrictions of limited budgets, governing regulations, multiple phase oversight and approving agencies.

Pickering throughout the years has been able to engage with many government agencies to provide design and consultant services on multiple projects including court room designs, city building upgrades and renovations, 911 Command Centers, office facilities, fire stations, not to mention several projects for the WV Army National Guard.

Our depth of experience and staffing provides owners with the knowledge and resources to execute their projects effectively. We understand and execute projects to create facilities which meet ADA compliance, higher security through knowledgeable design practices and the use of technology, greater occupancy

safety while providing our clients with scheduled phase gate review points for proper oversight and approval, concise project management to maintain budget and schedule oversight and assistance throughout the review and approval process with governing agencies.

With the selection of Pickering Associates, your organization gains the full depth of our organization.

Pickering Associates takes pride in our approach to projects and project management. We strive to deliver consistent projects that execute our Client's expectations.

Our project manager, Spencer Kimble, will communicate with each design discipline through all phases of design and construction to ensure the project is well coordinated. He will keep the WVANG informed throughout the entire process and confirm information gets distributed to the entire team. Communication will be consistent from the project kickoff meeting through closeout. Spencer will also lead in the development of the project schedule in conjunction with WVANG.

Goal/Objective 1:

Phase 1- provide a partial design that represents 35% of the design work that will allow the agency to provide a high-level overview of the Construction, including cost estimates, for the purpose of securing additional federal funding, including all engineering



and architectural disciplines to prepare construction bid documents for West Virginia State Purchasing. Key design elements include utilizing energy efficient, economically and maintenance friendly equipment.

Our design process will begin with a programming meeting with your team and any other stakeholders. The results of the discussion will be incorporated into a schematic design. We feel that time spent with your staff to better understand the project, will allow us to be more efficient in completing the schematic design phase for this project and progress us to the next phase quicker, therefore allowing us to meet your anticipated design schedule.

We always involve the authorities-having-jurisdiction during the schematic design to make certain that we address any and all concerns that they may have, thus reducing costly changes during design and/or construction. We have a close working relationship with agencies such as the West Virginia State Fire Marshal's Office and are familiar with the local and state requirements that need addressed for a wide range of projects.

At the end of the schematic design phase Pickering Associates will present rough sketches to the owner for approval. These sketches will provide the owner with the opportunity to verify that we have correctly interpreted your desired functional relationships between various activities and spaces.

The design development phase is a transitional phase where the design team moves into developing the contract documents. In this phase, the architects and engineers prepare drawings and other presentation

OFFICE LOCATION: HEADQUARTERS

11283 Emerson Ave.
Parkersburg, WV 26104

CONTACT INFORMATION:

Spencer Kimble, PE
Project Manager
(P) (304) 464-5305 EXT: 1305
(E) skimble@pickeringusa.com

SERVICES:

Architecture
Interior Design
3D Model Design
Landscape Architecture
Civil Engineering
Structural Engineering
Electrical Engineering
Automations & Controls
Mechanical Engineering
Piping Engineering
Process Engineering
Surveying
Marketing Development
Construction Services
Project Management

Rated as one of the
TOP
Engineering Firms in
West Virginia.

- The State Journal

documents to crystallize the design concept and describe it in terms of architectural, electrical, mechanical, and structural systems. In addition, we will also prepare an estimate of probable construction costs so you will have a better indication of anticipated project costs. It will allow us to identify potential cost savings that will help to keep the project within your anticipated budget. At the end of the design development phase, Pickering Associates will provide the client with drafted to-scale drawings that will illustrate the project as it would look when it's constructed. These drawings will specifically define the site plan, floor plans and exterior elevations. It is important that the client provide input to the project manager at this time as the design development drawings are used as the basis for the construction drawings and used to further develop and refine the estimate of probable construction costs for the project.

Once the detailed working drawings have been approved, the Team will create high-level construction documents. The construction documents will include all necessary information to secure additional federal funding.

Goal/Objective 2:

Architect will provide all geotechnical work to include any necessary drill borings, designer shall be responsible for researching and investigating the location of existing underground and above ground utilities, and to provide drawings and specifications of all utility and road infrastructure as needed and directed by the owner and/or state agency, utility company or other approval authority for Kenova, West Virginia.



Pickering Associates will use our survey crew in conjunction with Terracon to document the existing utilities. The design documents will show all locations and required changes to the existing utilities. Terracon will do site inspection, testing and analytical services, including drill borings.

Goal/Objective 3:

Phase 2- If federal funds are secured and Phase 2 is authorized by the Agency, Phase 2 would require the selected Vendor to complete the following.

- (1) Design completion- vendor will complete the remainder of the project design with owner approvals required at 65%, 95% and 100% of construction bid drawing and specification completion. All designs must meet current building codes and military force protection and construction codes and regulations.**
- (2) Competitive bid assistance- vendor will assist agency in the competitive bidding process for construction as needed, with responses to contractor questions and answers, design/specification modifications, and addenda preparation.**
- (3) Construction Administration- vendor will perform construction administration services during construction of the project.**

Once additional funding has been secured, the Team will prepare detailed working drawings, thus progressing into the construction document phase of the project. During this time, final drawings and specifications will be produced for the project. These documents will be used for bidding the project to contractors. These drawings and specifications become part of the construction contract. The construction documents will include all necessary information to ensure that the project will be constructed as conceived by the Owner and design team.

We know the importance of not only understanding our client's budget, but also ensuring that the project is designed to fit into (and stay within) that budget. We utilize cost control methods to make sure that the overall project budget does not increase without the client's knowledge or prior approval. We will provide an updated estimate of probable construction costs for 35%, 65%, 95% and 100% phases of design, thus monitoring and providing control for the project budget. Drawings and specifications will be submitted along with the cost estimates at the 35%, 65%, 95% and 100% milestones. If scope items are added to the project during the design phase we make certain that the client understands the implications and costs associated with each change or addition - prior to officially adding it to the project.

We will submit cost estimates with the document submissions. Our cost estimates are line item estimates. We do not use square foot cost estimates. In order to provide estimates for probable construction costs with

accuracy, Pickering subscribes to and utilizes RS Means CostWorks On-Line. This tool provides comprehensive, localized, and up-to-date construction costs to help us create reliable estimates for our projects.

Goal/Objective 4:

Pricing- Pricing for the full design, both Phases 1 and 2 will be negotiated and established in the contract resulting from this solicitation and the negotiations described below. However, the initial contract award will be in the amount of 35% of the full negotiated and established fee. If funding is secured for Phase 2, a change order will be completed to add the remainder of the negotiated and established fee, from the initial contract award. Vendor must be willing to hold design pricing for Phase 2 firm for at least 2 calendar years after contract award while the Agency attempts to secure additional federal funding for the completion of Phase 2, and assuming that funding is obtained, must be willing to hold pricing for bid assistance and construction administration firm for 2 calendar years plus the amount of time necessary to complete those activities after the award of the contract.

Pickering understands complete contract pricing for the construction of a new Readiness Center Addition in Parkersburg will be negotiated as part of the initial contract but only Phase I is fully funded. Pickering Associates agrees to honor and hold the fully negotiated fee for 2 years while WVANG works on securing additional funding the remained of the project.

Goal/Objective 5:

Drawings and specifications are to be submitted at 35% in this initial phase, then at 65%, 95% and 100% in the next phase pending approval of funding, cost estimates are to be revised and submitted with each submittal at 35% in the initial phase, then at 65%, 95% and 100% in the next phase pending approval of funding.

As stated earlier, drawings and specifications will be submitted along with the cost estimates at the 35% for Phase I, and 65%, 95% and 100% milestones for Phase II. If scope items are added to the project during the second phase we will make certain that the client understands the implications and costs associated with each change or addition - prior to officially adding it to the project. Pickering will also costs for 35%, 65%, 95% and 100% phases of design, thus monitoring and providing control for the project budget.

Goal/Objective 6:

Provide construction administration and bidding services to the Owner.

Pickering Associates can handle the bidding & negotiation phase of the project with our experienced



in-house construction administration team. We have systems in place, and are equipped to electronically distribute the bidding documents to contractors and equipment suppliers interested in bidding the project, as well as produce hard copies as required. We will assist in contacting contractors to get interest in bidding the project, answer requests for information during the bidding process, assemble addendums, schedule, coordinate and lead a pre-bid meeting, and assist the owner with bid opening and contractor evaluation.

Pickering uses the construction management software Procore during the Construction Administration Phase of the project. Drawings and Specifications are uploaded to the program and can be accessed from your phone, tablet or computer whether you are at your desk or in the field. Contractors upload RFIs and Submittals through Procore. Meeting Minutes, Job Site visits and Field Reports are uploaded and distributed to the stakeholders. Marshall's staff will have access to the project through Procore and will be able to monitor the progress of construction.

During construction administration Pickering Associates can be an agent of the owner, overseeing construction to ensure conformity to construction drawings, specifications, and standards. Pickering will assist the owner in awarding the contract, lead and coordinate weekly construction meetings, produce meeting agendas and meeting minutes, answer RFI's from contractors, review submittals, process change orders and pay applications, perform regular site visits, complete a punch list at the end of the project, and keep the owner informed throughout the entire

process. This closely monitored process helps to ensure that the final project represents the intended design as indicated in the construction documents.

With the selection of Pickering Associates, your organization gains the full depth of our organization. All projects are scheduled out through all phases of delivery by our resource manager and the project manager, assigning the necessary resources to perform to the schedule necessary for that project and highlight major milestones long before they could become an issue. With more than 70 professionals on staff, you can be confident that Pickering Associates has the resources to meet your project schedule. Because we are a full-service firm, we are able to provide a better coordinated project than firms who are required to use outside consultants. Our close coordination efforts have proven valuable in many cases where the design schedule is accelerated and/or where there is equipment in the project that requires the effort and coordination of several disciplines.

Pickering Associates has invested in state-of-the art 3D Scanning technologies to more quickly and accurately document existing site conditions. This helps our design teams capture existing site data in more detail and in a format the blends well with our 3D modeling and BIM workflows. This tool allows us to send a small scanning team into an existing building/space and virtually document the conditions of the area in three dimensions, including detailed color photographs throughout the scanned area for design teams to reference throughout the project. This data capture implementation is safer and more efficient for our designers. It reduces the time and equipment needed for traditional hand-measuring that our industry has been accustomed to throughout the years.

We acknowledge the importance of a quick turn-around and excellent quality services which our administrative procedures, overall organization and

depth of experience are posed to provide you. As you will see from our resumes and company experience, we are uniquely qualified to offer the professional services required and to ensure that your vision becomes a reality.

Our Unique Qualities:

We believe that Pickering Associates has many unique qualities that set us apart from other firms. Below is a list of qualities that we feel are worth calling attention to:

1) Full Service Firm: Pickering Associates is a Full-Service A/E firm. We have all architects and engineers in-house, including surveyors. Being a full-service design firm, we can effectively and efficiently communicate with our entire team thus ensuring a well-coordinated design effort.

2) Our Experience: We have completed other design projects that are similar to your renovation project and have assembled an experienced project team that works well together. We understand the needs of your facility and believe that our work with the WVANG on prior projects gives us an insight to the scope and design that other firms may not offer.

3) Our Technology: Pickering Associates uses Building Information Modeling (BIM), 3D Scanning, Virtual Reality, and 3D printing technology in developing our project concepts throughout the design process, as needed. These tools also allow for us to better communicate the final layout and look of the project with our clients and allows our clients to experience what the project will look like prior to construction.

4) Our Communication: Our Project Manager will provide consistent communication with all project stakeholders throughout the project design. We make sure that the project scope and schedule are aligned with the project requirements, and the client's desires and expectations.



YOUR PROJECT

Project Owner

WV Army National Guard
Construction and Facilities Management Office



LEADERSHIP

Project Manager

Spencer Kimble, PE
Director of Municipal Design
Civil Engineer

Spencer coordinates and manages teams that provide site planning and development to municipal and commercial accounts.

He has contributed to 100s of projects and has a wealth of experience with stormwater management, erosion control, site utility layout, and permit assistance.

DESIGN TEAM

Civil Engineering

Rich Diesenberg, P.E.

Structural Engineering

Joe Tucker, P.E.

Architect and CA

Sean Simon, AIA, NCARB

Electrical Engineering

Mark Moore, P.E.

Plumbing Engineering

David Boggs, P.E.

Mechanical Engineering

Jeff Hosek, PE

Surveying

Bill Showalter, PS

Environmental

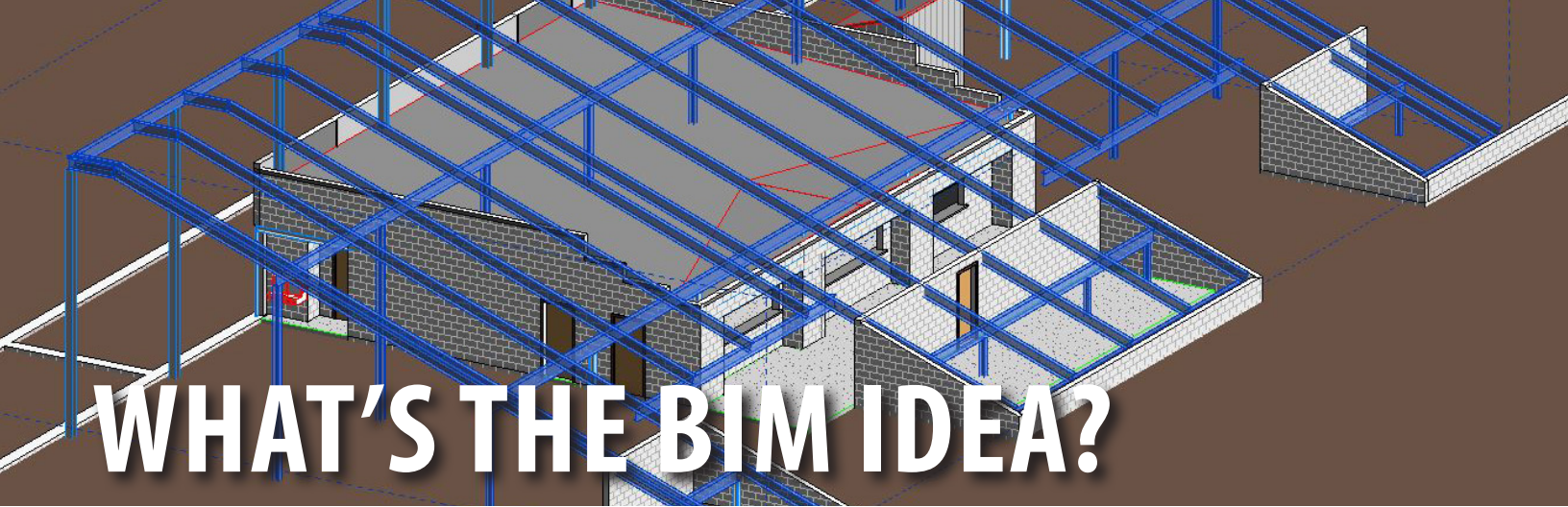
Andrew Mommessin

Geotech Engineering

Terracon

Terracon

Todd A. Griffith, P.E.



WHAT'S THE BIM IDEA?

Pickering Associates "IDEA" is our Integrated Design Execution Approach.

Integrated - we want our clients, contractors and end users engaged in the process of design. When the right people are involved, accessing the best information, good decisions are made.

Design Execution- refers to how we develop and optimize your project. We focus on the questions that have the most impact. We assign the right staff with the right tools

Our Approach- recognizes that projects are constantly changing and evolving as the project progresses. We tailor a plan for the project objective, maintain and monitor it so it remains optimized to achieve project goals, faster.

Pickering Associates' Integrated Design Execution Approach - our "IDEA", is a big deal, and will help your project be successful.

Building Information Modeling is a process that aligns to all aspects of our "IDEA". It is integrated, allowing easy access to project information. The software we use help understand the proposed design, coordinate, and identify the critical problems that need answers. Most importantly, Building Information Modeling is a process that fits with our Approach. Allowing the project team to evolve seamlessly as more information is available and new stakeholders are brought onto the team.

Efficient visual communication and an in-depth design understanding are the greatest assets that BIM brings to the table at Pickering Associates. The composite model allows our team to accelerate project development and simplify conversations during design reviews. Having the capability to visualize all of the design models together in a single review session aides both inter- and

intra-department collaboration with all project stakeholders like never before. Capturing all client and designer comments and feedback within a 3D model live during a review session saves countless hours of paging through "redlines" generated from traditional 2D physical paper reviews. The added capacity to search and export reports of these digital comments allows our team to capture and track design communications more efficiently than ever before.

Pickering Associates has invested in state-of-the-art 3D Scanning technologies to more quickly and accurately document existing site conditions. This helps our design teams capture existing site data in more detail and in a format the blends well with our 3D modeling and BIM work flows.

This tool allows us to send a small scanning team into an existing building/space and digitize the as-built conditions of the area in three dimensions, including detailed color photographs throughout the scanned area for design teams to reference throughout the project. This data capture implementation is safer and more efficient for our designers. It reduces the time and equipment needed for traditional hand-measuring that our industry has been accustomed to throughout the years. Granting our designers the ability to measure from a 360 degree image or point cloud with higher accuracy and faster than field measurements.

Building Information Modeling is a process that starts at integrating the team, provides access to project information, incorporates tools to understand design execution, and allows teams to focus on what matters most for the project. It perfectly complements Pickering's Integrated Design Execution Approach, and we can't wait to show you BIM and our "IDEA"s!

EXAMPLES OF PAST PROJECTS/GOVERNMENTAL

West Virginia Army National Guard Charleston, WV

Huntington Tri-State Armory-HVAC Renovation
Kenova Vehicle Exhaust HVAC Upgrades
Eleanor Readiness Center HVAC Renovations
Camp Dawson Building 215 Windows and Door Replacements
Camp Dawson Rappel Tower Renovation
Camp Dawson Structural Repairs
Camp Dawson Airfield Support Facility
Camp Dawson Cottages Renovations
Camp Dawson Bldg 215 Medical Wing Renovation

West Virginia Air National Guard Charleston, West Virginia (Yeager Airport)

Fire/Crash Rescue Station 130th Airlift Wing

West Virginia DNR Parkersburg, West Virginia

District 6 Office Complex Conceptual Concepts and Construction Designs
Chief Logan State Park
Park Recreation Center
North Bend State Park
Lodge Renovations

West Virginia State Capital Complex Charleston, West Virginia

Governor's Mansion Roof Replacement
Building 8 Evaluation
Building 22 HVAC Renovations
Building 13 Parking Garage Evaluation

WV Department of Agriculture Cedar Lakes, West Virginia

Conceptual Master Planning Design
Assembly Hall Addition

City of Parkersburg Parkersburg, WV

Engineering Assistance with Boiler I
Old Sumner School Site and Building Evaluation
Downtown Electrical Lighting Design
Emerson New Fire Station Design & Construction Administration
Covert Street New Fire Station Design & Construction Administration
Liberty Street New Fire Station Design
City of Parkersburg Master Planning Design

Parkersburg Utility Board Parkersburg, WV

Repair Martown Reservoir Communication
Add radio & PLC to Pettyville site
Quincy Street SCADA

City of Vienna Vienna, WV

New Building Addition for Police Phase 1&2
Police Department Redesign
New Senior Center Addition

Vienna Volunteer Fire Department Vienna, WV

Vienna Volunteer Fire Station Addition
Police Station Generator Renovation

City of Marietta Marietta, OH

Phase 1,2,3 Marietta City Hall Renovations
City Hall Roof Replacement
Armory Structural & Reroofing
Duckbill Outfall
Water Treatment Plant Solids Contact Tank Painting
North Hills Elevated Water Tank
Channel Lane Culvert
Harmar & 676 Elevated Water Tanks
Sherry Dr/Hadley Ln Water LN Replacement
Additional Survey-Sherry Dr/Hadley Water
Greene ST/Colegate Dr Waterline Replacement
Armory Ground Floor Renovations
Marietta Waste Water Treatment Plant Phase 2 Services
Armory Elevator

HAPCAP Athens, Hocking, Perry, OH

South East Ohio Foodbank Freezer
Elevator Addition

Putnum Water Corporation Marietta, OH

Pump Controls Call-Out
Solar Panel Call-out 10/2010
New Water Plant SCADA Installation
Additional Water Plant SCADA Installation
Robinson Road Waterline
Chevy Chase Manor Water Line



WV ARMY NATIONAL GUARD

KENOVA SHOP VEHICLE EXHAUST

PROJECT SPECS:

PROJECT COST
\$130,000

SQUARE FOOTAGE
N/A

DESIGN COMPLETION
APRIL 2019

CONSTRUCTION COMPLETION
JANUARY 2020

SERVICES PROVIDED

MECHANICAL ENGINEERING
ELECTRICAL ENGINEERING
CONSTRUCTION MANAGEMENT
PROJECT MANAGEMENT

CLIENT CONTACT

DAVID UNRUE
PROJECT MANAGER
P) (304) 561-6775
E) DAVID.R.UNRUE.NFG@MAIL.MIL

Pickering Associates provided professional engineering services to The West Virginia Army National Guard for the renovations to an existing vehicle exhaust system in the field maintenance shop (FMS) at their Kenova facility. The renovations had to meet the HEMTT vehicle exhaust flow rate of 500 cubic feet per minute (CFM).

The scope of work included replacement of two existing engine exhaust fans with two new fans including two hose reels per system, for a total of four. Project included documentation of existing building, development of construction documents, preparation of probable construction cost, bidding, contracting and construction administration.





WVANG - ELEANOR ARMED FORCES CTR

HVAC RENOVATIONS

PROJECT SPECS:

PROJECT COST
\$646,400

DESIGN COMPLETION
AUGUST 2020

CONSTRUCTION COMPLETION
FEBRUARY 2021

SERVICES PROVIDED

ELECTRICAL
MECHANICAL
CONSTRUCTION MANAGEMENT
PROJECT MANAGEMENT

CLIENT CONTACT

DAVID UNRUE
PROJECT MANAGER
P) (304) 561-6775
E) DAVID.R.UNRUE.NFG@MAIL.MIL

The West Virginia Army National Guard selected Pickering Associates to design improvements to their HVAC equipment.

The existing shower and locker room incorporated a new cooling unit and two other existing units were also replaced due to age. Pickering Associates worked with the client to select an energy recover unit with a cooling coil and heating coil to save on energy as well as control humidity within the shower and locker space. Two large packaged rooftop units were included in the design as alternates.

During the design the client desired to include a control sequence to close off all openings into the building as well as de-energize all air moving equipment.

The equipment and controls were awarded, and constructed on time and under budget.





RITCHIE COUNTY JUDICIAL ANNEX ADDITION

PROJECT SPECS:

PROJECT COST
TBD

SQUARE FOOTAGE
TBD

DESIGN COMPLETION
APRIL 2023

CONSTRUCTION COMPLETION
JANUARY 2025

SERVICES PROVIDED

ARCHITECTURE
CIVIL
STRUCTURE
PLUMBING
MECHANICAL
ELECTRICAL
SURVEYING
PROJECT MANAGEMENT
CONSTRUCTION ADMINISTRATION

CLIENT CONTACT

SAM ROGERS & STEVE WORDEN
RITCHIE COUNTY COMMISSION
P) (304) 643- 2164

Pickering Associates worked with the Ritchie County Commission to design a new judicial annex for the County Courthouse in Harrisville, W.Va. The annex houses multiple county offices, some of which were previously located in the courthouse or in other buildings in Harrisville. The new annex design not only centralized the different offices but also provided full accessibility to all floors and departments.

The project involved the demolition of an existing structure to make way for the new construction. Pickering worked with SHPO to create a design that was acceptable for this historic building.

Our Architects and designers have also worked on the following projects with the Commission:

- Design of a three-story judicial annex attached to the courthouse. The annex was not constructed, but was designed to accommodate the Magistrates, Prosecuting Attorneys, Assessors and Family Court Offices. Renovations to most of the offices in the existing courthouse were also included.
- Provide design criteria, programming and preliminary design for renovations to the existing courthouse, including a new sprinkler system, an elevator and stair tower, and other renovations.
- Supervise the design for the renovation of an existing vacant building near the courthouse to house the Magistrate's Office.





CITY OF PARKERSBURG NEW RECREATION CENTER

PROJECT SPECS:

PROJECT BUDGET

\$15,525,000

SQUARE FOOTAGE

45,775

DESIGN COMPLETION

AUGUST 2024

CONSTRUCTION COMPLETION

TBD

SERVICES PROVIDED

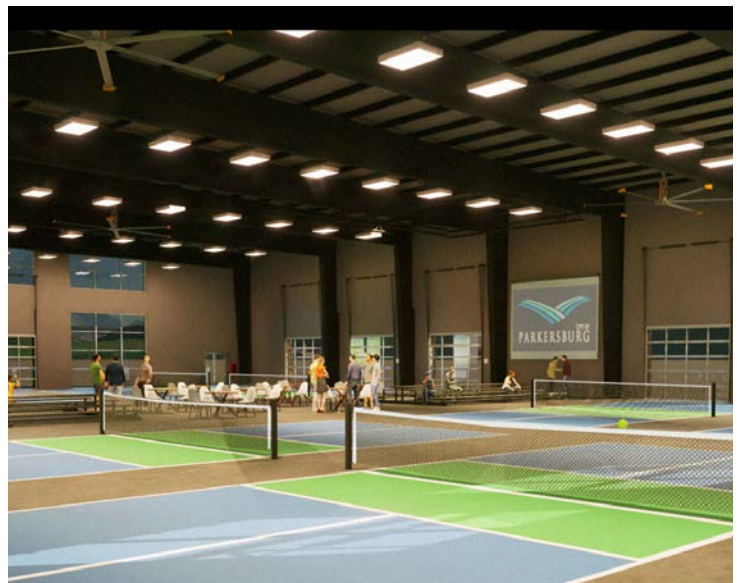
ARCHITECTURE
BIM DESIGN
CIVIL
ELECTRICAL
MECHANICAL
STRUCTURAL
SURVEYING
PIPING
CONSTRUCTION MANAGEMENT
PROJECT MANAGEMENT

CLIENT CONTACT

ADAM STOUT, PE
CITY ENGINEER
P) 304.424.8578
E) ADAM.STOUT@PARKERSBURGWV.GOV

The City of Parkersburg (the Client) plans to construct a new recreation center at the existing City Park in Parkersburg, WV. The current plan for the building is to be approximately 45,775 SF in size and include various areas such as offices, lockers and restrooms, a gymnasium, meeting areas, mechanical and storage areas, and a large open arena area that will be used for different purposes by the City and the general public. Exterior upgrades and modifications will be redesigned to fit into the context of the existing park and its surroundings.

Pickering investigated multiple locations for the City to determine the best suited site. PA performed a feasibility study on these various sites provided by the City and mayor to determine costs and benefits of each compared to the planned City Park location.





WVANG - CAMP DAWSON

RAPPEL TOWER SUPPORT RENOVATION

PROJECT SPECS:

ESTIMATED PROJECT COST
\$425,962

DESIGN COMPLETION
APRIL 2019

CONSTRUCTION COMPLETION
JUNE 2021

SERVICES PROVIDED

ARCHITECTURE
CIVIL
ELECTRICAL
MECHANICAL
STRUCTURAL
CONSTRUCTION MANAGEMENT

CLIENT CONTACT

TODD REYNOLDS
PROJECT MANAGER
P) (304) 561-6658
E) MATTHEW.T.REYNOLDS18.NFG@MAIL.MIL

The West Virginia Army National Guard Command was seeking architectural and engineering professional services for the restoration of the Rappel Tower Support Facilities at Camp Dawson. The Rappel Tower Support Facilities consists of two (2) pre-fabricated concrete buildings; one of which is a classroom building, and the other restroom facilities. Each building has some structural and sustainment issues that need to be addressed both structurally and mechanically. This facility will be used by soldiers in training.

The design elements for the project generally included abating mildew and molded wall board and material from classroom area, addressing roof issues, storm drainage, design for new HVAC systems, new instantaneous domestic hot water system, restroom renovations, and new interior and exterior LED lighting for both buildings.

During the development and progression of design scope it was determined that the electrical service to the classroom building and the electrical distribution panel in the restroom building were insufficient to power the necessary and needed HVAC systems to meet the request to air condition the restroom building of the project. Pickering Associates addressed this additional scope with no delay in the schedule.



STATE OF WEST VIRGINIA

1ST FLOOR RENOVATIONS

PROJECT SPECS:

PROJECT COST
\$591,325

DESIGN COMPLETION
AUGUST 2021

CONSTRUCTION COMPLETION
EST JUNE 2022

Pickering Associates met with State Tax and designed a public meeting space on the first floor of Building 22.

The new space included 8 personal meeting rooms, conference room, security office, public waiting area, 5 private offices and public restrooms. The existing space was demolished and all finishes removed. The new design included all new finishes and new LED lights. Also, a new entry door from the vestibule into the public meeting area was included.

Due to IRS and State Tax requirements it was very important to keep staff and public separated. The new design lets both groups interact, but the public never has access to restricted areas of the building.

SERVICES PROVIDED

ARCHITECTURE
PLUMBING
MECHANICAL
ELECTRICAL
CONSTRUCTION MANAGEMENT
PROJECT MANAGEMENT

CLIENT CONTACT

TIM LEE
ARCHITECTURE & ENGINEERING MANAGER
P) (304) 558-2317
E) TIMOTHY.M.LEE@WV.GOV





WVANG - CAMP DAWSON

BUILDING 215 WINDOW AND DOOR REPLACEMENT & MEDICAL WING RENOVATIONS

PROJECT SPECS:

ESTIMATED PROJECT COST
\$1,800,000

DESIGN COMPLETION
WINDOWS AND DOORS - SPRING 2019
MED WING - MARCH 2022

CONSTRUCTION COMPLETION
WINDOWS AND DOORS - FALL 2021
MED WING - MARCH 2024

The West Virginia Army National Guard Command was seeking architectural and engineering professional services to renovate Building 215 at Camp Dawson. This facility houses West Virginia National Guard troops for training and medical examination.

Two separate projects took place. One project included complete replacement of doors and windows with new blast-resistant exterior doors and windows and all new interior doors. The second project includes complete demo and reconstruction of the medical wing to provide new waiting rooms, exam rooms, a dental suite, EKG room, hearing testing and multiple private offices, consultation rooms and restrooms.

SERVICES PROVIDED

ARCHITECTURE
ELECTRICAL
MECHANICAL
PLUMBING
CONSTRUCTION ADMINISTRATION

CLIENT CONTACT

JONATHAN NEAL
DEPUTY BRANCH CHIEF
TRAINING SITE BRANCH
P) (304) 791-4138
E) JONATHAN.I.NEAL.NFG@MAIL.MIL





WVANG - CAMP DAWSON COTTAGE RENOVATIONS

PROJECT SPECS:

PROJECT COST
EST \$1.25 MILLION

SQUARE FOOTAGE 3 COTTAGES:
1300 SF
2700 SF
3400 SF

DESIGN COMPLETION
95% COMPLETE

CONSTRUCTION COMPLETION
TBD

SERVICES PROVIDED

ARCHITECTURAL
STRUCTURAL
CIVIL
ELECTRICAL
MECHANICAL
PLUMBING
CONSTRUCTION MANAGEMENT
PROJECT MANAGEMENT

CLIENT CONTACT

JONATHAN NEAL
CFO-TSB
E) JONATHAN.L.NEAL@NFG@MAIL.MIL

The West Virginia Army National Guard selected Pickering Associates to design improvements to three residential cottages at their Camp Dawson facility in Kingwood, WV. The cottages are used by traveling staff and visitors at the base. Each cottage has its own style, ranging from rustic to elegant, and will receive upgrades and improvements inside and out.

Renovations include new exterior siding and stone, windows, doors, and site improvements such as new patios and ADA ramps. Interior upgrades include total energy-efficient HVAC and lighting replacement, electrical improvements, new plumbing fixtures, fully remodeled restrooms and kitchens, and new interior doors. Some rooms will be redesigned to create an open floor plan in the living/kitchen areas, and some guest rooms will be provided with new private bathrooms where they were originally shared between rooms. In addition, all flooring and trim will be replaced, and all walls and ceilings will be painted or covered. New gas fireplaces will be installed in all three cottages, and all units will be upgraded to be compliant with ADA.

Once complete, the cottages will be virtually entirely renovated for improved comfort, energy efficiency and safety for all guests and visitors.



WVANG - CAMP DAWSON

AIRFIELD SUPPORT FACILITIES RENOVATION

PROJECT SPECS:

ESTIMATED PROJECT COST
\$992,240

DESIGN COMPLETION
MAY 2023

CONSTRUCTION COMPLETION
IN CONSTRUCTION NOW

SERVICES PROVIDED

ARCHITECTURE
CIVIL
ELECTRICAL
MECHANICAL
PLUMBING
STRUCTURAL
CONSTRUCTION ADMINISTRATION
PROJECT MANAGEMENT

CLIENT CONTACT

JONATHAN NEAL
DEPUTY BRANCH CHIEF
TRAINING SITE BRANCH
P) (304) 791-4138
E) JONATHAN.I.NEAL.NFG@MAIL.MIL

The West Virginia Army National Guard selected Pickering Associates to design renovations to two existing buildings which serve as support facilities for the airfield at Camp Dawson.

One building is a single story structure that provides temporary lodging for pilots while onsite. Renovations will include all new blast-resistant exterior doors and windows, new interior doors, upgraded plumbing, HVAC and electric, and all new interior finishes.

The other building is also one story, and houses the control room for the airfield, and miscellaneous offices. Renovations will include all new blast-resistant doors and windows, a new roof, new interior doors, construction of new offices, a conference room, a new ADA restroom, and a garage for a utility vehicle. In addition, the building will receive all new interior finishes and ADA improvements, and the plumbing, HVAC and electric will be upgraded.



WEST VIRGINIA DIVISION OF NATURAL RESOURCES

NEW DISTRICT 6 OFFICE COMPLEX

PROJECT SPECS:

PROJECT COST

\$4,616,000

SQUARE FOOTAGE

8,966 SF OFFICE BLDG

7,827 SF STORAGE BLDG

DESIGN COMPLETION

SEPTEMBER 2020

CONSTRUCTION COMPLETION

MAY 2023

SERVICES PROVIDED

CIVIL
STRUCTURE
ARCHITECTURE
PLUMBING
MECHANICAL
ELECTRICAL
LANDSCAPE
SURVEYING
CONSTRUCTION ADMINISTRATION
BIM DESIGN
PROJECT MANAGEMENT

CLIENT CONTACT

BRAD LESLIE
CHIEF ENGINEER
P) (304) 558-2764
E) BRAD.S.LESLIE@WV.GOV

Pickering Associates worked with the West Virginia Division of Natural Resources (WVDNR) to preform architectural and engineering design services for developing a 64-acre site along Emerson Avenue in Parkersburg, W.Va. The WVDNR decided to relocate their existing District 6 office operations to a new location that would better accommodate their current space needs. The project consisted of complete site development and design for 2 new building structures, an office building and a lab/storage building.

The new office building was designed for wildlife, law enforcement, and DEP relocation. The building was 8,966 SF and included 28 offices, a large conference/meeting room, public entrance/lobby, restrooms, staff areas, and miscellaneous support spaces. The storage building was designed as a metal building structure with an 18'-8" eave height. It included 7,827 SF of space and consisted of areas for a fish lab, a game workroom, a shop area, a walk-in evidence freezer, and five bays for equipment and vehicle storage. The buildings were designed to meet the functional programming and needs for District 6 as well as considerations for future growth. The exterior design included materials that were easy to maintain and colors that fit within the DNR's outdoor image. Pickering Associates also coordinated all utilities to the new site, a new entrance and road off Emerson Avenue, a new address to the site, and site grading and retaining walls for the challenging site.





WV DEPARTMENT OF AGRICULTURE

CEDAR LAKES ASSEMBLY HALL EXPANSION

PROJECT SPECS:

PROJECT BUDGET

\$1,422,466

SQUARE FOOTAGE

6,800

DESIGN COMPLETION

JUNE 2020

CONSTRUCTION COMPLETION

SEPTEMBER 2021

SERVICES PROVIDED

ARCHITECTURE

CIVIL

ELECTRICAL

MECHANICAL

STRUCTURAL

SURVEYING

PIPING

CONSTRUCTION MANAGEMENT

The West Virginia Division of Agriculture needed to expand the existing Assembly Hall at Cedar Lakes Conference Center in Ripley, W.Va., to better support the variety of events held throughout the year. Pickering Associates assisted the owner with the design of a new facility that doubled the size of the assembly hall and provides other accessory spaces.

The Assembly Hall Expansion is a single-story addition to the existing block building. The mission of the project was to gain enough space to increase the capacity from 300 to approximately 600 guests during various events. The Assembly Hall addition is comprised of a clear span wood arch structure with a renovated stage area for presentations, and features suspended ceiling clouds to improve acoustics in the Assembly Hall.

Two new classrooms were added to replace the existing adjacent classroom building which was demolished to provide space for the addition. A covered porch with seating was designed to create an attractive focal point to the main entrance. The HVAC system was expanded to handle the new occupant load, and the electrical and lighting systems were also upgraded.

CLIENT CONTACT

KAREN FACEMYER

DIRECTOR

P) 304.372.7860

E) KFACEMYER@WVDA.US



PROJECT SPECS:

PROJECT BUDGET

VARIED DEPENDING ON PROJECT STAGE

PROJECT SIZE

10,000 SF

DESIGN COMPLETION

JUNE 2022

CONSTRUCTION COMPLETION

VARIED DEPENDING ON PROJECT STAGE

SERVICES PROVIDED

ARCHITECTURE

CIVIL

ELECTRICAL

MECHANICAL

STRUCTURAL

SURVEYING

PIPING

PROJECT MANAGEMENT

CONSTRUCTION ADMINISTRATION

CLIENT CONTACT

ALAN CLEMANS

DIRECTOR OF ADMINISTRATIVE SERVICES

P) 304.558.2221

E) ACLEMANS@WVDA.US

The West Virginia Division of Agriculture wanted to expand, improve, and secure access to the AG Guthrie Agricultural Center. Multiple projects were identified to improve the access, security, and maintenance of the center.

Pickering Associates provided Project Management, Architectural, Engineering, Surveying and Construction Administration professional services for the projects as required for each scope of work.

The projects included design of a new gravel roadway, design of a new gated access control entrance, design of new parking areas, conceptual design of a new entrance, and design new secure entrances for two buildings.

One of the key projects was the security enhancement to the main entrance to allow for streamlined flow of traffic in and out while keeping unauthorized vehicular traffic controlled with granted access only. Some features of the new entrance included:

- Guard booth/shack
- Two single lane high usage barrier control arms
- A covered canopy at entrance
- Provisions for wide load clearances with removable bollards for traffic control
- Additional infrastructure underground (conduits) for future improvements as required
- Stormwater structures as required
- Buried sensor loops for leaving vehicles.
- Proximity card access for entering vehicles



CITY OF PARKERSBURG

EMERSON AVENUE FIRE STATION

PROJECT SPECS:

PROJECT COST
\$1.6 MILLION

SQUARE FOOTAGE
5,400

DESIGN COMPLETION
SEPTEMBER 2019

CONSTRUCTION COMPLETION
SEPTEMBER 2020

Pickering Associates designed a new Fire Station #4 to replace the existing Fire Station #4 located on Emerson Avenue. The new station has load bearing concrete masonry walls with metal roof trusses and a metal roof. Designed to house 2 trucks and bunk rooms for up to six firefighters. The interior also includes Day Room, Kitchen, Weight Room, and Captain's office as well as a public meeting room. Trucks in the garage are connected by magnetics to the truck exhaust system. The floors are polished concrete with carpet in the bunk rooms.

Station #4 was put in service September of 2020.

SERVICES PROVIDED

ARCHITECTURE
BIM DESIGN
CIVIC
ELECTRICAL
MECHANICAL
PIPING
STRUCTURAL
PROJECT MANAGEMENT
CONSTRUCTION MANAGEMENT

CLIENT CONTACT

JASON MATTHEWS
FIRE CHIEF
P) 304.424.8470
E) JASON.MATTHEWS@PARKERSBURGWV.GOV





SPENCER KIMBLE, P.E.

PRINCIPAL CIVIL ENGINEER
PROJECT MANAGER

BACKGROUND:

EDUCATION

MARSHALL UNIVERSITY

M.S. ENGINEERING MANAGEMENT

WEST VIRGINIA UNIVERSITY

B.S. CIVIL ENGINEERING

LICENSES

PROFESSIONAL ENGINEER

W.VA., OHIO

YEARS EXPERIENCE

19 YEARS

“A SHIP IN PORT IS SAFE,
BUT THAT IS NOT WHAT
SHIPS ARE FOR. SAIL OUT
TO SEA AND DO NEW
THINGS.”

Rear Admiral Grace Hopper

- Civil Engineer for Phase 1 and 2 of the Larry Lang First Colony Development.
- Civil Engineer for a new subdivision in Marietta, Ohio.
- Civil Engineer for a new retail business in Utica, Ohio.
- Civil Engineer for a new restaurant in Vienna, W.Va.
- Lead Civil Engineer for the design of \$1.8M physical therapy administrative building on Parkersburg, W.Va.
- Lead Civil Engineer for the design of two medical office buildings totaling approximately 30,000 SF near the traffic circle in Parkersburg, W.Va.
- Civil Engineer for two new \$8M full service maintenance facilities for state DOT operations.
- Lead Civil Engineer for construction of a new 4 story hotel in Parkersburg, W.Va.
- Civil Engineer for Wood County Schools for Blennerhassett Addition, Parkersburg, W.Va.
- Civil Engineer for addition and renovation for the Emerson Public Library in Parkersburg, W.Va.
- Civil Engineer for addition and renovation for Mid Ohio Valley Technology Institute in Saint Marys, W.Va.
- Civil Engineer for approximately 3,925 linear foot waterline and meter replacement in Devola, Ohio.
- Civil Engineer for approximately 2 miles of new waterline and sewer line installation in Williamstown, W.Va.
- Civil Engineer for approximately 4,600 linear foot of waterline and meter replacement in Marietta, Ohio.
- Civil Engineer for the addition of a new Chiller Plant to a hospital in Huntington, W.Va.
- Civil Engineer for the renovations to existing parking lots for a hospital in Parkersburg, W.Va.



RICH DIESENBERG, P.E.

CIVIL ENGINEER

BACKGROUND:

EDUCATION

WEST VIRGINIA UNIVERSITY
B.S. CIVIL AND ENVIRONMENTAL ENGINEERING

LICENSES

PROFESSIONAL ENGINEER
W.VA.

YEARS EXPERIENCE

2 YEARS

- Civil Engineer of Record on the Grand Central Church of Christ Addition in Vienna, W.Va.
- Civil Engineer of Record on the City of Ravenswood Pedestrian Bridge in Ravenswood, W.Va.
- Civil Engineer of Record on the Long Reach Federal Credit Union in West Union, W.Va.
- Civil Engineer of Record for the feasibility assessment for Facing Hunger Foodbank Mingo County W.Va.
- Civil Engineer of Record on the feasibility assessment for the City of Parkersburg's New Recreation Center.
- Project Manager/Civil Engineer of record/Construction Administration lead for the 2023 and 2024 Wood County School Paving Projects.
- Civil Engineer Lead on the Wood County School ADA inspections/assessments.
- Civil Engineer of Record on the PMC Multi-Use Commercial Development in St Marys, W.Va.
- Civil Engineer of Record on the City of Parkersburg's New Recreation Center in Parkersburg, W.Va.
- Civil Engineer of Record on the City of Parkersburg's Fire Station #3 in Parkersburg, W.Va.
- Lead Civil Designer on the Southeast Beverage Addition in Athens, Ohio
- Lead Civil Designer on the Austin Powder Company TNT Free Booster project.
- Civil Engineer of Record on the McKinley Inwood Pre-K
- Civil Engineer of Record and Construction Administration Lead on the Lubeck Elementary Turn Lane.
- Civil Engineer of Record on the Phoenix Associates Frito Lay Distribution Center in Parkersburg W.Va.

“OUR LIFE IS WHAT OUR
THOUGHTS MAKE IT.”

Marcus Aurelius



JOE TUCKER, P.E.

PRINCIPAL STRUCTURAL ENGINEER
CONSTRUCTION ADMINISTRATION

BACKGROUND:

EDUCATION

OHIO UNIVERSITY
B.S. CIVIL ENGINEERING

LICENSES

PROFESSIONAL ENGINEER
W.VA. AND OHIO

YEARS EXPERIENCE

46 YEARS

“OPPORTUNITY IS MISSED
BY MOST PEOPLE
BECAUSE IT IS DRESSED
IN OVERALLS AND LOOKS
LIKE WORK.”

Thomas A. Edison

- Structural Engineer for exterior masonry wall replacement for Meigs County Highway Department.
- Structural Engineer for the renovations of the Capitol Market in Charleston, W.Va.
- Structural review for equipment replacements at Cabell Huntington Hospital in Huntington, W.Va.
- Structural review of existing conditions for permit drawing to renovate shopping space for new tenant.
- Structural Engineer for elevator addition to the Arc of the Mid-Ohio Valley offices in Parkersburg, W.Va.
- Structural Engineer for elevator addition to the Oil and Gas Museum in Parkersburg, W.Va.
- Structural Engineer for water line upgrades to the Minnie Hamilton Health Services Grantsville Campus in Grantsville, W.Va.
- Civil and Structural review of Construction Documents for the Mountaineer Food Bank Expansion in Gassaway, W.Va.
- Structural assessment and review of college dormitory building to address slippage due to storm water in Parkersburg, W.Va.
- Civil and Structural design and site development for Marietta College softball and soccer fields in Marietta, Ohio.
- Structural engineering designs for renovations to install an elevator in a private residence.
- Project Manager for new pedestrian bridge crossing Sandy Creek and connecting the City of Ravenswood W.Va. to Ravenswood River Front Park.



SEAN G. SIMON, AIA, NCARB

DIRECTOR OF CONSTRUCTION SERVICES
PROJECT ARCHITECT
COST ESTIMATING
QUALITY REVIEW OF FINAL BID PACKAGES

BACKGROUND:

EDUCATION

CONSTRUCTION SPECIFICATIONS INSTITUTE
CONSTRUCTION DOCUMENT TECHNOLOGIST
UNIVERSITY OF TENNESSEE
PROFESSIONAL BACHELOR OF ARCHITECTURE

LICENSES

PROFESSIONAL ARCHITECT
WV

YEARS EXPERIENCE

33 YEARS

- Thirty-three years of experience in architectural programming, design, construction document production, and construction contract administration.
- Project Manager and Construction Administrator Huntington Tri-State Armory-HVAC Renovation Huntington W.Va.
- Construction Administrator on WVANG Eleanor Armed Forces Center in Red House W.Va.
- Construction Administrator on WVANG Camp Dawson Rappel Tower in Kingwood, W.Va.
- Project Manager and Construction Administrator State of WV Building 22 HVAC Renovations in Charleston, W.Va.
- Project Manager and Construction Administrator for correcting issues with Ejector Pump State of West Virginia Building 22.
- Construction Administrator Camp Dawson Cottages in Kingwood, W.Va.
- Construction Administrator Camp Dawson Building 215 Medical Wing Renovation in Kingwood, W.Va.
- Construction Administrator Camp Dawson Airfield Support Facility in Kingwood, W.Va.
- Project Manager and Construction Administrator State of WV Building 32 Water Infiltration Issues in Huntington, W.Va.
- Construction Administration CAMC Womens & Children HVAC Renovation Charleston, W.Va.
- Construction Administrator for Wood County Schools Blennerhassett Elementary Addition
- Project Architect for the construction of an 8,400 sf facility for the Moorefield National Guard Armory.

“QUALITY IS NOT AN ACT,
IT IS A HABIT.”
Aristotle



MARK MOORE, P.E.

ELECTRICAL ENGINEER

BACKGROUND:

EDUCATION

WEST VIRGINIA UNIVERSITY INSTITUTE OF
TECHNOLOGY
B.S. ELECTRICAL ENGINEERING

LICENSES

PROFESSIONAL ENGINEER
WV, MD

YEARS EXPERIENCE

18 YEARS

- Electrical Engineer Huntington Tri-State Armory-HVAC Renovation Huntington, W.Va.
- Electrical Engineer on WVANG Eleanor Armed Forces Center in Red House, W.Va.
- Electrical Engineer on WVANG Kenova Shop Vehicle Exhaust in Kenova, W.Va.
- Electrical Engineer on WVANG Camp Dawson Rappel Tower in Kingwood, W.Va.
- Electrical Engineer State of WV Building 22 HVAC Renovations in Charleston, W.Va.
- Electrical Engineer for West Virginia Dept of Natural Resources North Bend Lodge Renovation in Parkersburg, WV in Cairo, W.Va.
- Electrical Engineer for HVAC renovations for Cabell Huntington Hospital located in Huntington, W.Va.
- Electrical Engineer for Randolph County Development Authority at Armstrong Manufacturing in Beverly, W.Va.
- Electrical Engineer for a Commercialization Station for the City of Bluefield, W.Va.
- Electrical Engineer for upgrades and installation of a new building complex that allows for Fermentation, Chiller Relocation in Maxwelton, W.Va.
- Electrical Engineer for Ona Transmitting Station Electrical Study for WSAZ television station located in Charleston, W.Va.
- Electrical Engineer for phase 2 renovations for the new Music Therapy program facility at Marietta College in Marietta, Ohio.

“SUCCESS IS NO ACCIDENT.
IT IS HARD WORK, PER-
SEVERANCE, LEARNING,
STUDYING, SACRIFICE
AND MOST OF ALL, LOVE
OF WHAT YOU ARE DOING
OR LEARNING TO DO”

Pele



DAVID BOGGS, P.E.

EXECUTIVE VICE PRESIDENT OF DESIGN
PRINCIPAL MECHANICAL ENGINEER,
SENIOR PLUMBING ENGINEER

BACKGROUND:

EDUCATION

MARSHALL UNIVERSITY
M.S. ENGINEERING MANAGEMENT
VIRGINIA TECH.
B.S. MECHANICAL ENGINEERING

LICENSES

PROFESSIONAL ENGINEER
WV & OH

YEARS EXPERIENCE

30 YEARS

“DETERMINE THAT THE
THING CAN AND SHALL
BE DONE, AND THEN WE
SHALL FIND THE WAY.”

Abraham Lincoln

- Piping and Plumbing Engineer on WVANG Eleanor Armed Forces Center in Red House, W.Va.
- Piping and Plumbing Engineer on WVANG Kenova Shop Vehicle Exhaust in Kenova, W.Va.
- Piping and Plumbing Engineer Camp Dawson Cottages in Kingwood, W.Va.
- Plumbing Engineer Camp Dawson Building 215 Medical Wing Renovation in Kingwood, W.Va.
- Piping and Plumbing Engineer Rappel Tower Support Renovation in Kingwood, W.Va.
- Piping and Plumbing Engineer Camp Dawson Airfield Support Facility in Kingwood, W.Va.
- Piping and Plumbing Engineer and Construction Administration for Wood County Schools 2021 HVAC Upgrades Wood County, W.Va. (Approx \$21 Million)
- Piping and Plumbing Engineer State of WV Building 22 HVAC Renovations in Charleston, W.Va.
- Piping and Plumbing Engineer for correcting issues with Ejector Pump State of West Virginia Building 22
- Piping and Plumbing Engineer for Noble Local School District K-8 Building HVAC Replacement Noble County, Ohio.
- Piping and Plumbing Engineer West Virginia University - Parkersburg Caperton Center HVAC Rework in Parkersburg, W.Va.
- Piping and Plumbing Engineer for West Virginia Dept of Natural Resources District 6 Complex in Parkersburg, W.Va.
- Piping and Plumbing Engineer for West Virginia Dept of Natural Resources North Bend Lodge Renovation in Parkersburg, WV in Cairo, W.Va.



JEFFREY HOSEK, P.E. LEED AP

PRINCIPAL MECHANICAL ENGINEER
LEED PROJECT ENGINEER
MECHANICAL ENGINEERING DEPARTMENT MANAGER

BACKGROUND:

EDUCATION

UNIVERSITY OF AKRON
B.S. MECHANICAL ENGINEERING

LICENSES

PROFESSIONAL ENGINEER
W.VA., OHIO, KY., PA., LA., VA., MINN.
LEED AP (BD&C)

YEARS EXPERIENCE

26 YEARS

- Mechanical Engineer Huntington Tri-State Armory- HVAC Renovation Huntington, W.Va.
- Project Manager and Mechanical Engineer on WVANG Eleanor Armed Forces Center in Red House, W.Va.
- Project Manager on WVANG Kenova Shop Vehicle Exhaust in Kenova, W.Va.
- Lead Mechanical Engineer - HVAC Camp Dawson Cottages in Kingwood, W.Va.
- Lead Mechanical Engineer - HVAC Camp Dawson Building 215 Medical Wing Renovation in Kingwood, W.Va.
- Lead Mechanical Engineer - HVAC Rappel Tower Support Renovation in Kingwood, W.Va.
- Lead Mechanical Engineer - HVAC Camp Dawson Airfield Support Facility in Kingwood, W.Va.
- Lead Mechanical Engineer - HVAC Wood County Schools 2021 HVAC Upgrades Wood County, W.Va. (Approx \$21 Million)
- Project Manager CAMC Womens & Children HVAC Renovation Charleston, W.Va.
- Lead Mechanical Engineer - HVAC State of West Virginia Building 22 HVAC Renovations in Charleston, W.Va.
- Project Manager for Noble Local School District K-8 Building HVAC Replacement Noble County, Ohio.
- Lead Mechanical Engineer West Virginia University - Parkersburg Caperton Center HVAC Rework in Parkersburg, W.Va.
- Lead Mechanical Engineer for West Virginia Dept of Natural Resources District 6 Complex in Parkersburg, W.Va.

SOMETIMES THE QUESTIONS ARE COMPLICATED AND THE ANSWERS ARE SIMPLE.

Dr. Seuss



WILLIAM SHOWALTER, P.S.

SURVEYING DEPARTMENT MANAGER
PROFESSIONAL SURVEYOR

BACKGROUND:

EDUCATION

OHIO UNIVERSITY
B.S. CIVIL ENGINEERING

LICENSES

PROFESSIONAL SURVEYOR
WV #2141/ OH #8376

YEARS EXPERIENCE

28 YEARS

- Lead Surveyor for Marietta Waste Water Treatment Plant.
- Lead Surveyor for City of Marietta Waterline Expansion Projects.
- Lead Surveyor on First Colony Center commercial development, Marietta, Ohio.
- Lead Surveyor for Ohio University Steam Plant Line Expansion project.
- Lead Surveyor for Bens Run Industrial Park Teal Alloy Facility.
- Lead Surveyor for City of Marietta Green Street Widening Project.
- Lead Surveyor for new Masonic Lodge 36th Street, Parkersburg, W.Va.
- Lead Surveyor for City of Vienna Pond Run Alignment.
- Lead Surveyor for City of Vienna Johns Manville Acquisition.
- Lead Surveyor for City of Vienna Carbon Unit Additions.
- Lead Surveyor for Harbor Point Marina and Business Park.
- Lead Surveyor for Courtyards Addition to Williamstown.
- Lead Surveyor for The Fields Addition to Williamstown.
- Lead Surveyor for Donatos Pizza Marietta Facility.
- Lead Surveyor for City of Marietta Alley Reconstruction Projects.
- Lead Surveyor for City of Marietta Nelson Property Acquisition.
- Lead Surveyor for City of Marietta State Route 60 Widening Project.

“WE ALL LIVE UNDER THE
SAME SKY, BUT WE DON'T
ALL HAVE THE SAME
HORIZON.”

Konrad Adenaur



ANDREW MOMMESSIN

ENVIRONMENTAL SPECIALIST

BACKGROUND:

EDUCATION

TEXAS A&M
B.S. ENVIRONMENTAL GEOSCIENCE

DUTIES

CIVIL DESIGN
ENVIRONMENTAL PERMITTING
ENVIRONMENTAL REVIEWS

YEARS EXPERIENCE

3 YEARS

FAR AND AWAY THE BEST
PRIZE THAT LIFE HAS TO
OFFER IS THE CHANCE TO
WORK HARD AT WORK
WORTH DOING

Theodore Roosevelt

- Environmental Specialist gathering field samples to maintain permit for Herons Nest Marina located in Williamstown, W.Va.
- Environmental Specialist for Bikepath Slip Repair located in Marietta, Ohio.
- Environmental Specialist and Civil Designer for WVDEP permitting and associated sediment and erosion control for three athletic fields located in Charleston, W.Va.
- Environmental Specialist and Civil Designer for a stormwater masterplan and permitting for a commercial site located in Parkersburg, W.Va.
- Environmental review of site development for approximately 28 acres located in Washington Bottom, W.Va.
- Civil design for a site development feasibility study of the Fort Boreman area for the City of Parkersburg.
- Civil design for a new Southwood Park Pool for the City of Parkersburg.
- Civil design for site development for a new parking lot located next to City Hall in Marietta, Ohio.
- Civil design for Campus Site Planning for WVDA Guthrie Agriculture Center located in Charleston, W.Va.
- Civil design and permitting for Bank Stabilization for an industrial facility near Newport, Ohio.
- Civil design for site plan for a proposed housing development in Vienna, W.Va.
- Conceptual design for resort for ATV lodge located in Matewan, W.Va.



Company Profile

Wherever you are on your project journey, Terracon's employee-owners are ready to meet you where you are and help you reach your goal. Since our founding in 1965, Terracon has grown and evolved to become a thriving, employee-owned, multi-discipline engineering consulting firm delivering facilities, environmental, geotechnical, and materials services. Our more than 5,500 curious minds include engineers, scientists, architects, facilities experts, and field professionals focused on solving engineering and technical challenges from more than 175 locations nationwide. On-time and real-time data-driven insights, provided by our talented employee-owners, create an unmatched client experience that spans the lifecycle of any project from earth to sky.

Terracon consistently ranks as a top 25 design firm by Engineering News-Record. Our successful growth has included organic expansion and innovation as well as the acquisition of more than 60 firms with specialized capabilities. A focused and uncompromising dedication to safety has been integral to how we support our employees, clients, and communities.

Throughout the life of your project, we won't just point the way – we'll go with you. Together, we are explorers turning big ideas into reality for our partner clients, employees, and the world around us.

From site selection to the design and construction, to maintaining the life of the structure, we'll help you achieve success through engineering and scientific expertise, a passion for problem-solving, and a drive to explore.

We're ready when – and where – you are. Explore with us!

ENR Rankings 2022

#1	Asbestos and Lead Abatement
#12	Top 100 Pure Designers
#21	Top 500 Design Firms
#46	Top 150 Global Design Firms
#61	Top 200 Environmental Firms
#10	Top 20 General Building



Todd Griffith, P.E.

Department Manager, Geotechnical Services

PROFESSIONAL EXPERIENCE

Mr. Griffith currently serves as the Geotechnical Department Manager in Terracon's Charleston, West Virginia office. He is responsible for operational oversight of field and engineering activities in the Geotechnical (GEO) Department, mentoring staff, and management and analysis of geotechnical projects. He has over 15 years of geotechnical engineering experience working with public agencies such as WVDOH and USACE, working on projects involving site and subsurface investigations, design and construction of new or modified bridge foundations, cut slope analysis and design, fill slope analysis and design, the elevation and design of earth retainage structures (i.e., earthen dams, MSE walls, reinforced soil slopes), laboratory testing, and stream bank erosion mitigation.

He is proficient in the use of commercial software such as Sleep/W and Slope/W, SLIDE 7.0, Settle3D, ReSSA 3.0, MSEW 3.0, gINT Version 8, and DigiPro 2. He has worked on numerous projects and variety of clients in different areas including transportation, landslide remediation, landfill, power generation and transmission, oil and gas transmission, retail/commercial developments, local and state infrastructure, and retaining walls in multiple states.

PROJECT EXPERIENCE

Tri-State Airport Access Road Retaining Wall I MALS Road Slope Repair Projects

Served as the geotechnical project engineer and provided engineering analysis and recommendations during both the design and construction phase of both landslide projects at the Huntington Tri-State Airport. Landslides had threatened the stability of the main access road for the Huntington Tri-State Airport and had encroached on the MALS road. Mr. Griffith developed and oversaw the execution of the subsurface investigations, developed slope remediation/retaining wall recommendations, and provided assistance to the client during retaining construction plan development. Mr. Griffith provided engineering during construction for both projects, which were constructed in late 2015.

Tri-State Airport Taxiway A East Expansion - Huntington, WV

Served as the geotechnical project manager and provided engineering analysis and recommendations during the design phase of the Taxiway A East expansion project at the Huntington Tri-State Airport. The project includes widening of the eastern portion of Taxiway A, pavement design, and a relatively large fill slope. Mr. Griffith developed and oversaw the execution of the subsurface investigations, developed slope recommendations, and provided assistance to the client during retaining construction plan development.

Tri-State Airport Landslide Remediation - Huntington, WV

Mr. Griffith provided engineering expertise and project management for remediation of a large landslide near the western edge of the safety area of the main runway of the airport. The slope failure was approximately 140 feet in height and 300 feet wide. The project included subsurface investigation and laboratory testing to aid in the design of the remediated slope as well as to aid in determination of the probable causes of the slope failure. It was determined that a combination of improper drainage at the toe of the slope, unauthorized earthwork at the crest of the slope, and removal of trees and vegetation from the face of the slope contributed to causing the landslide. Based on slope stability analyses performed by Mr. Griffith, the remediated design included removal of all failed material and excavation into the underlying bedrock and the slope design consisted of placement of a rock drainage layer and separation fabric, moisture conditioning of the excavated material and replacement as structural fill to a 2.5H:1V slope. During construction, Mr. Griffith oversaw the excavation and placement of fill material to the designed specifications.

Tri-State Airport Taxiway A Stability - Huntington, WV

Mr. Griffith directed work and developed monitoring plans for potential slope movement on Taxiway A of the Huntington Tri-State Airport. Several years after the taxiway was extended and re-routed, large cracks indicating possible adjacent slope movement were observed. Inclinometers were installed and monitored for 7 months to aid in determination of ground movement at the top of the slope. Prepared a geotechnical engineering report providing information on the subsurface condition of the fill slope as well as the inclinometer data.

USACE - Streambank Erosion Stabilization - Various Locations

Mr. Griffith developed streambank erosion stabilization designs to protect public infrastructure such as sewers, roads, and well fields while working as an Engineer in the Soils Engineering Section of the Huntington District U.S. Army Corps of Engineers. Mr. Griffith served as lead engineer on projects such as Lubeck PSD and Charleston Riverfront where full height of bank stone treatments were utilized as well as on 7th Street West in Huntington, West Virginia.

EDUCATION

M.S., Civil Engineering,
Geotechnical Specialization,
Virginia Tech, 2005
B.S., Civil Engineering, West
Virginia University, 2004

REGISTRATIONS/ CERTIFICATIONS

Professional Engineer, West
Virginia #18217
Professional Engineer,
Pennsylvania #79360
Professional Engineer,
Kentucky #27791
Professional Engineer,
Maryland #40119
Professional Engineer, Ohio
#78282
American Red Cross for Adult
First Aid CPR AED
OSHA 30-Hour Construction
Safety, OSHA
OSHA 30-hour Supervisor,
OSHA

AFFILIATIONS

Member of American Society
of Civil Engineers (ASCE)
Member of American Society
of Civil Engineers (ASCE),
West Virginia Section
American Society for Testing
and Materials (ASTM)

WORK HISTORY

Terracon Consultants, Inc.
Geotechnical Department
Manager, Charleston, West
Virginia, 2021-Present

Triad Engineering,
Geotechnical Practice Lead,
Charleston, West Virginia,
2019-2021

TRC Engineers, Office
Practice Lead - Geotechnical
Engineering, Charleston, West
Virginia, 2013-2019

REFERENCES



Tom Joyce, Mayor of Parkersburg
(P) 304.464.5282



West Virginia
General Services

State of WV General Services
Charleston, WV

Scot Casdorff, PE
Architecture & Engineering Manager
(P) 304.957.7145



West Virginia University - Parkersburg
Parkersburg, W.Va.

Torie Jackson, President
(P) 304.424.8000



Randolph County Development Authority
Elkins, WV

Robert L. Morris, Jr., Executive Director
(P) 304.637.0803
(E) ROBBIE@RCDA.ORG



Mark Mondo- Building and Excavating, Inc.
City, Ohio

John H. Anderson, Project Manager, Business Development
(P) 740.376.9396
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Larry Lang Excavating, Inc.
Beverly, Ohio

Larry Lang, President
(P) 740.984.4750
(E) doubledozer@lidozer.com

DESIGNATED CONTACT: Vendor appoints the individual identified in this Section as the Contract Administrator and the initial point of contact for matters relating to this Contract.

(Printed Name and Title) _____

(Address) _____

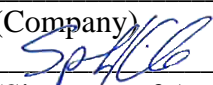
(Phone Number) / (Fax Number) _____

(email address) _____

CERTIFICATION AND SIGNATURE: By signing below, or submitting documentation through WV OASIS, I certify that: I have reviewed this Solicitation/Contract in its entirety; that I understand the requirements, terms and conditions, and other information contained herein; that this bid, offer or proposal constitutes an offer to the State that cannot be unilaterally withdrawn; that the product or service proposed meets the mandatory requirements contained in the Solicitation/Contract for that product or service, unless otherwise stated herein; that the Vendor accepts the terms and conditions contained in the Solicitation, unless otherwise stated herein; that I am submitting this bid, offer or proposal for review and consideration; that this bid or offer was made without prior understanding, agreement, or connection with any entity submitting a bid or offer for the same material, supplies, equipment or services; that this bid or offer is in all respects fair and without collusion or fraud; that this Contract is accepted or entered into without any prior understanding, agreement, or connection to any other entity that could be considered a violation of law; that I am authorized by the Vendor to execute and submit this bid, offer, or proposal, or any documents related thereto on Vendor's behalf; that I am authorized to bind the vendor in a contractual relationship; and that to the best of my knowledge, the vendor has properly registered with any State agency that may require registration.

By signing below, I further certify that I understand this Contract is subject to the provisions of West Virginia Code § 5A-3-62, which automatically voids certain contract clauses that violate State law; and that pursuant to W. Va. Code 5A-3-63, the entity entering into this contract is prohibited from engaging in a boycott against Israel.

(Company)



(Signature of Authorized Representative)

(Printed Name and Title of Authorized Representative) (Date)

(Phone Number) (Fax Number)

(Email Address)