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Header # 1

List View

General Information Contact Default Values Discount Document Information Clarification Request

Procurement Folder: 1011510

Procurement Type: Central Purchase Order

Vendor ID: 000000209100

Legal Name: PICKERING ASSOCIATES INC

Alias/DBA:

Total Bid: \$0.00

Response Date: 02/05/2025

Response Time: 10:30

Responded By User ID: PickeringAssoc

First Name: Stephanie

Last Name: Donahoe

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Phone: 304-245-1011

SO Doc Code: CEDI

SO Dept: 0003

SO Doc ID: AD-0500000010

Published Date: 1/24/25

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Close Time: 12:30

Status: Closed

Solicitation Description: National Guard Readiness Center Petersburg  
(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:** 1611518  
**Solicitation Description:** National Guard Readiness Center Parkersburg-Design EOI  
**Proc Type:** Central Purchase Order

Solicitation Closes	Solicitation Response	Version
2025-02-05 13:30	SR 0603 ESR02052500000004807	1

**VENDOR**  
000000206169  
PICKERING ASSOCIATES INC

**Solicitation Number:** CEOI 0603 ADJ2500000016  
**Total Bid:** 0  
**Response Date:** 2025-02-05  
**Response Time:** 10:33:38  
**Comments:**

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

<b>Vendor</b>		
<b>Signature X</b>	<b>FEIN#</b>	<b>DATE</b>

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- Parkersburg 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 in Parkersburg, West Virginia. With deep roots in West Virginia and a proven track record of delivering high-quality design solutions, we are eager for the opportunity to support the West Virginia Army National Guard in enhancing their mission state-wide.

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

Our firm has also worked closely with WVU-Parkersburg through the years, giving us firsthand knowledge of the site and experience working with both the school and West Virginia Army National Guard. We recognize the complexities involved in creating an active facility within an outside institution and place a strong emphasis on a strong partnership verifying existing conditions and developing precise and complete 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 in-house, we are uniquely positioned to adapt to evolving project needs efficiently, ensuring a seamless transition between phases while maintaining budget and schedule integrity.

At Pickering Associates, we prioritize clear communication and collaboration. Our process begins with an in-person organizational meeting with all stakeholders to establish project goals, define scope, and set the stage for a successful design phase. Our dedicated Project Manager will lead our experienced design team in delivering a well-coordinated project while keeping you informed every step of the way.

We believe our experience with similar projects, our integrated design approach, and our commitment to excellence make us an ideal partner for this initiative. We welcome the opportunity to further discuss how our team can support the success of the new Readiness Center in Parkersburg and look forward to your consideration.

Respectfully submitted,

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

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



# TABLE OF CONTENTS

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## SECTIONS

1	OUR HISTORY
2	YOUR PROJECT
7	YOUR TEAM
9	OUR EXPERIENCE
10	OUR WORK
21	RESUMES
30	TERRACON HISTORY
32	CTL RESUMES
36	REFERENCES





# 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

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### Project Owner

WV Army National Guard  
Construction and Facilities Management Office



## LEADERSHIP

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### Project Manager

Spencer Kimble, PE  
Director of Municipal Design  
Civil Engineer

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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

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### Civil Engineering

Rich Diesenberger, 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

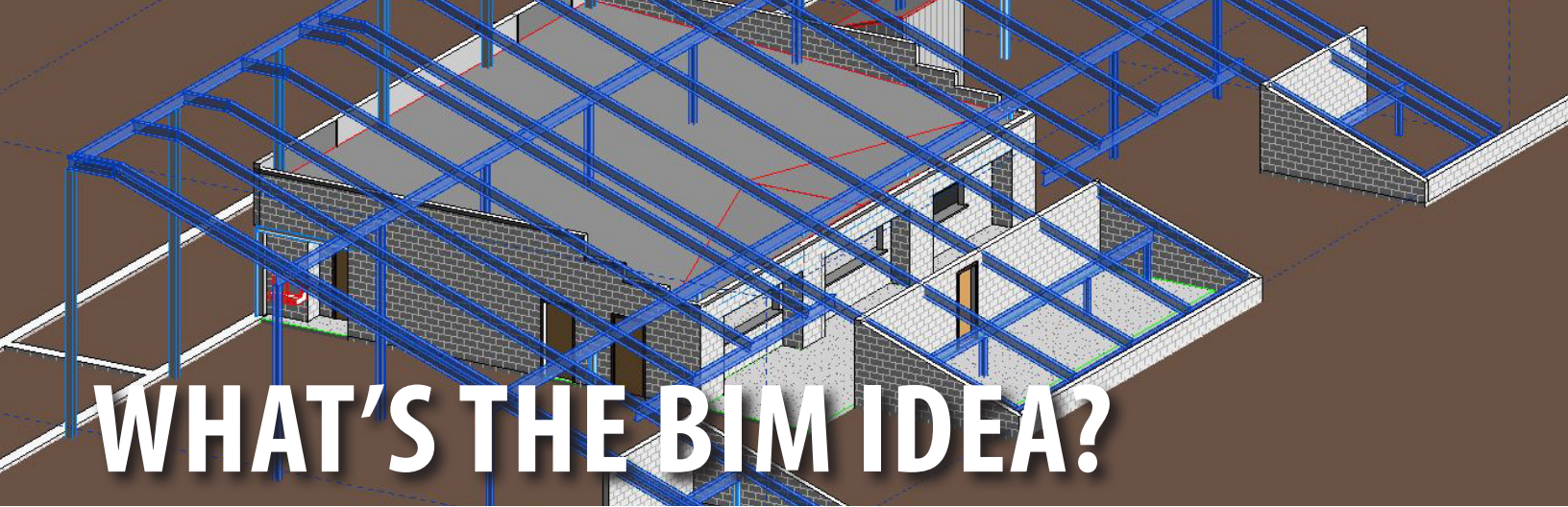
### Geotech Engineering

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

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## 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

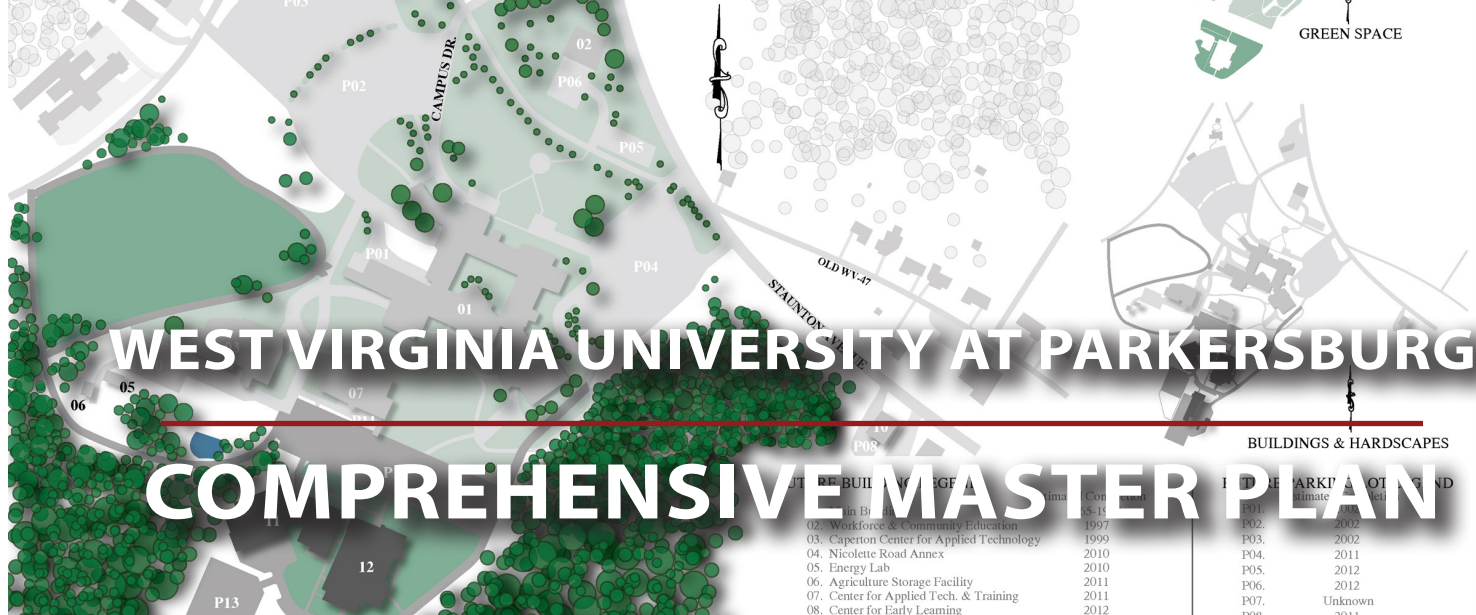
## CLIENT CONTACT

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.





## PROJECT SPECS:

PROJECT COST  
\$45,840

SQUARE FOOTAGE  
N/A

DESIGN COMPLETION  
DATE

CONSTRUCTION COMPLETION  
N/A

## SERVICES PROVIDED

ARCHITECTURE

## CLIENT CONTACT

BOB COOPER  
DIRECTOR OF MAINTENANCE  
P) 304-424-8265  
E) BOB.COOPER@WVU.EDU

West Virginia University at Parkersburg wished to update their comprehensive master plan document with Pickering Associates to reflect the current and anticipated information and planning for the University.

Pickering Associates reviewed the current Comprehensive Master Plan as provided by the owner, coordinated and attended meetings with individual staff members as necessary for collecting the appropriate information for updates and revisions, and made minor revisions to selected sections of the existing Master Plan document. Our team then reviewed the existing space utilization with designated staff and provide conceptual mapping (floor plans) of existing spaces on all campuses.

Pickering Associates reviewed the existing programs and program spaces with designated staff and provide concepts for future program expansion, assembled property holdings, descriptions, and uses (reviewed with staff and provided written description of existing property and uses), created standards for space utilization and efficiencies, deferred maintenance (reviewed with staff anticipated maintenance items/issues for current master plan timeframe, selected equipment and systems as indicated by WVUP, provided written description outlining remaining life of equipment/ systems and anticipated replacement/repair costs). Our team established strategies for future acquisition and construction (reviewed with staff and provided written description for existing and future properties and uses), created a land use plan and sustainability opportunities list.





## 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.



## 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

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## 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 7<sup>th</sup> 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  
(E) john@mondobuilding.com

**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 wvOASIS, 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)