



The following documentation is an electronically-submitted vendor response to an advertised solicitation from the *West Virginia Purchasing Bulletin* within the Vendor Self-Service portal at wvOASIS.gov. As part of the State of West Virginia's procurement process, and to maintain the transparency of the bid-opening process, this documentation submitted online is publicly posted by the West Virginia Purchasing Division at WVPurchasing.gov with any other vendor responses to this solicitation submitted to the Purchasing Division in hard copy format.

Header 1

[List View](#)**General Information** | Contact | Default Values | Discount | Document Information | Clarification Request

Procurement Folder: 1451604

Procurement Type: Central Purchase Order

Vendor ID: 00000206169 

Legal Name: PICKERING ASSOCIATES INC

Alias/DBA:

Total Bid: \$0.00

Response Date: 07/09/2024 

Response Time: 7:22

Responded By User ID: PickeringAssoc 

First Name: Stephanie

Last Name: Donahoe

Email: sdonahoe@pickeringusa.c

Phone: 304-345-1811

SO Doc Code: CEOI

SO Dept: 0603

SO Doc ID: ADJ2400000008

Published Date: 6/24/24

Close Date: 7/9/24

Close Time: 13:30

Status: Closed

Solicitation Description: Williamstown AASF No.1 Hangar Addition 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: 1451604
Solicitation Description: Williamstown AASF No.1 Hangar Addition Design EOI
Proc Type: Central Purchase Order

Solicitation Closes	Solicitation Response	Version
2024-07-09 13:30	SR 0603 ESR07092400000000185	1

VENDOR
 000000206169
 PICKERING ASSOCIATES INC

Solicitation Number: CEOI 0603 ADJ2400000008
Total Bid: 0
Response Date: 2024-07-09
Response Time: 07:22:30
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	Williamstown AASF No.1 Hangar Addition 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 Design Services for West Virginia Army National Guard



**WILLIAMSTOWN AASF NO. 1 HANGER
ADDITION DESIGN
CEOI 0603 ADJ2400000008**

JULY 9, 2024



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 have the opportunity to submit this proposal for providing Architectural/Engineering services for the WVANG AASF#1 Hanger Addition Design project located in Williamstown, West Virginia. We have added CTL Engineering, Inc. to our team to conduct geotechnical investigation of the site. We are confident that our design team is very qualified to provide design services for this project. Being located less than five minutes away from the project site also ensures a very quick response to any issues or questions that may arise.

The following proposal outlines our technical expertise, management, staff capabilities and experience for providing high-quality engineering and design services. Our approach will offer advantages in methodology and delivery, which will elevate the success of your project both now and for years to come. The team we have proposed is capable of providing full engineering services and management to complete the scope of your project and has had the opportunity to provide comprehensive project services to multiple governmental agencies throughout our history.

As a firm, Pickering Associates has conducted various site evaluation and design improvement projects for clients. Our current workload affords us the opportunity to provide you with an experienced and well-rounded engineering team. As noted on the resumes, this team has experience in various types of municipal, commercial, and private projects. Not only do we have an engineering group that is up-to-date on the most current trends and technologies, we have experienced senior engineers who can provide tried and true insight through many years of experience. The experience and professionalism of Pickering Associates lends itself to the ability to bring successful projects to fruition, time after time.

You will see that teamwork is the spirit and foundation of our organization. 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 project becomes a reality.

We look forward to personally discussing our qualifications to complete this project on time, within budget and exceeding the standards of any firm you may have worked with previously.

Respectfully submitted,

A handwritten signature in blue ink, appearing to read "Mark A. Welch", is positioned above the typed name.

Mark Welch, P.E.
Director of Commercial and Municipal Design, Civil Engineer
Mark Welch@pickeringusa.com | 304.464.5305 EXT. 1301

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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, 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.

OUR APPROACH

With the selection of Pickering Associates, your organization gains the full depth of our organization. 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 that need to be met. With more than 60 professionals on staff, you can be confident that Pickering Associates has the resources to meet your project schedule.

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, Mark Welch, 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. Jeff will also lead in the development of the project schedule in conjunction with WVANG.

We feel that this face-to-face coordination with our design team is more effective and efficient than coordinating via email or over the phone like many firms using consultants are required to do.

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's commitment goes beyond the final design stage. Our team continues to work with you during project bidding, construction and final walk-through.

We hold pre-bid meetings, answer all the bidder's questions and help evaluate each bid received so you can select the contractors best suited for your project. Our architects and engineers answers questions during construction to eliminate delays due to uncertainty. We inspect construction workmanship to make sure you receive the highest quality installation and to ensure that all work conforms to the bid documents. We tour the site with you to compile a punch list of outstanding tasks that need attention before the contractor leaves the site and work with the contractors to ensure all of the punch list items are resolved. Finally, we incorporate all changes to the drawings resulting from construction to create as-builts, so you have an accurate depiction of the project for your records.

OFFICE LOCATION: HEADQUARTERS

11283 Emerson Ave.
Parkersburg, WV 26104

CONTACT INFORMATION:

Mark Welch/Contact
Project Manager
(P) (304) 464-5305 EXT: 1301
(E) mwelch@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

By working with Pickering Associates you will see that teamwork is the spirit and foundation of our organization. We acknowledge the importance of a quick turn-around and excellent quality services which our administrative procedures, overall organization and depth of experience are poised to provide you. As reflected in our resumes and company experience, we are uniquely qualified to offer the professional services required and to ensure that your vision becomes a reality.

It is our understanding the scope of the project requested by the WVANG consists of providing design and construction documents to the 35% completion level at this time for the construction of an addition to the Williamstown AASF#1 facility located in Williamstown, WV. If additional federal funding is secured, the full design and construction of the project will be completed. The specific project goals and Pickering's approach are listed below.

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.

Pickering Associates endeavors to produce an accurate and well-coordinated set of construction documents for every project that we work on. We are very familiar with West Virginia State Purchasing procedures and guidelines. Pickering has worked in the past and is currently working on several projects with the State of West Virginia and WVANG.

At Pickering Associates, we understand the importance of keeping the Client informed and engaged throughout the entire design and construction process. It is crucial to the project to get the Client involved early in the process along with other key stakeholders, in order to understand the needs of the facility. Our plan would be to engage the key stakeholders in regular design meetings to ensure expectations and schedules constraints are met. 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 than our competitors, therefore allowing us to meet your anticipated design schedule.

Our design process will begin with examining the existing conditions any equipment and facilities. The results of the examination 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 than our competitors, 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 (35%) Pickering 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. Once schematic design is complete and approved, we will move into the design development phase for the project.

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 Williamstown, West Virginia.

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

Spencer Kimble, P.E. will lead this aspect of the project. He coordinates and manages a team that provides site planning and development to industrial, commercial and institutional clients. He has a wealth of experience with site utility layout design and permit assistance. He will coordinate with the WVANG and the appropriate local authorities as required for your project.

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. The design development phase (65%) 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 documents to crystallize the design concept and describe it in terms of architectural, electrical, mechanical, and structural systems. At the end of the design development phase, the architect 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 any interior elevations. It is important that the client provide input to the architect 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 Owner has approved the design development phase, the Architect prepares detailed working drawings, thus progressing into the construction document phase (95%) of the project. During this time, final drawings and specifications are 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 that complete contract pricing for the Hanger Addition project will be negotiated as part of the initial contract but only Phase I is fully funded. Pickering agrees to honor and hold the fully negotiated fee for 2 years while WVANG works on securing additional funding the remainder 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.

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 60 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.

We are confident that with our extensive Facility Design and Government experience, we can deliver a successful project that the WVANG and Williamstown AASF can be proud of. We believe our experience, along with our ability to listen and understand the needs of our clients, makes Pickering Associates an excellent choice for your design partner. We look forward to working with the WVANG team for the AASF#1 Hanger Addition Design Project.

YOUR PROJECT

Project Owner

WV Army National Guard
Construction and Facilities Management Office



LEADERSHIP

Project Manager

Mark Welch, PE
Director of Commercial and
Municipal Design
Civil/Structural Engineer

Mark 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

Spencer Kimble, P.E.

Structural Engineering

Joe Tucker, P.E.

Mechanical Engineering

Jeff Hosek, PE

Electrical Engineering

Mark Moore, P.E.

Plumbing Engineering

David Boggs, P.E.

Surveying

Bill Showalter, PS

Construction Administration

Jim Wark

Environmental

Andrew Mommessin

Geotech Engineering

CTL Engineering, Inc

CTL Engineering

Joseph Grani, M.S., P.E.

CTL Engineering

Venkata Malladi, 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, West Virginia

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

EMS 911 Centers

Putnam County, West Virginia
Mason County, West Virginia
Wetzel County, West Virginia
Logan County, West Virginia
Boone County, West Virginia

WV Department of Agriculture Cedar Lakes, West Virginia

Conceptual Master Planning Design
Assembly Hall Addition

Vienna Volunteer Fire Department Vienna, West Virginia

Vienna Volunteer Fire Station Addition

City of Vienna Vienna, West Virginia

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

City of Parkersburg Parkersburg, West Virginia

Old Sumner School Site and Building Evaluation
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

ODOT Washington County, Ohio Marietta, Ohio

New Full-Service Maintenance Facility

ODOT Monroe County, Ohio Woodsfield, Ohio

New Full-Service Maintenance Facility

ODOT Washington County, Ohio McArthur, Ohio

New Full-Service Maintenance Facility

City of Marietta Marietta, Ohio

Phase 1,2,3 Marietta City Hall Renovations
City Hall Roof Replacement
Armory Structural & Reroofing
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



WVANG - CAMP DAWSON

AIRFIELD SUPPORT FACILITIES RENOVATION

PROJECT SPECS:

ESTIMATED PROJECT COST
\$992,240

DESIGN COMPLETION
FALL 2021

CONSTRUCTION COMPLETION
TO BE DETERMINED BY OWNER

SERVICES PROVIDED

ARCHITECTURE
CIVIL
ELECTRICAL
MECHANICAL
PLUMBING
STRUCTURAL
CONSTRUCTION ADMINISTRATION
PROJECT MANAGEMENT

CLIENT CONTACT

JONATHAN NEAL
PROJECT MANAGER
WVARNG-CFMO
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 on site. 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.



OHIO DEPARTMENT OF TRANSPORTATION FULL SERVICE MAINTENANCE FACILITY WASHINGTON COUNTY, OHIO

PROJECT SPECS:

PROJECT COST
\$9 M

SQUARE FOOTAGE
3 BUILDINGS - 53,300 TOTAL SF

DESIGN COMPLETION
APRIL 2018

CONSTRUCTION COMPLETION
SEPTEMBER 2019

Pickering Associates worked with the Ohio Department of Transportation and OFCC on a Full-Service Maintenance Facility in Washington County in Southeastern Ohio. This facility included a truck storage building with an administrative section and a mechanical services section, a cold storage structure, a salt storage structure, a material storage structure, an 8,000 gallon above ground fuel storage tank, a vehicle wash bay, a decanting area, and a brine/calcium system. This project, located at an existing DOT site, included demolition of existing structures. Also included in this project was the renovation of an existing maintenance building to be converted into the District’s testing lab facility.

SERVICES PROVIDED

- ARCHITECTURE
- CIVIL
- ELECTRICAL
- MECHANICAL
- STRUCTURAL
- CONSTRUCTION MANAGEMENT

This project required that a Program of Requirements (POR) be developed in close conjunction with ODOT to determine the requirements for the project. This facility required site circulation for trucks and semi trucks, for ODOT’s trucks and equipment to maneuver the site. The project was designed as separate bid packages for each structure to aid in the permitting process. Additionally, the site required a utility fence surrounding the entire property as well as two automated gates and two man gates for pedestrian access onto the facility.

CLIENT CONTACT

DWIGHT NEELY, PROGRAM ADMINISTRATOR
ODOT STATEWIDE FACILITIES OPERATIONS
P) (614) 466-4108
E) DWIGHT.NEELY@DOT.OHIO.GOV

Our team provided full architectural, mechanical, electrical, plumbing, structural, and civil engineering design as well as environmental engineering, surveying, and construction administration services. We managed the construction photography services and quality assurance & testing services during construction.



OHIO DEPARTMENT OF TRANSPORTATION FULL SERVICE MAINTENANCE FACILITY MONROE COUNTY, OHIO

PROJECT SPECS:

PROJECT COST
\$9 M

SQUARE FOOTAGE
3 BUILDINGS - 50,700 TOTAL SF

DESIGN COMPLETION
APRIL 2018

CONSTRUCTION COMPLETION
AUGUST 2019

SERVICES PROVIDED

ARCHITECTURE
CIVIL
ELECTRICAL
MECHANICAL
STRUCTURAL
CONSTRUCTION MANAGEMENT

CLIENT CONTACT

DWIGHT NEELY, PROGRAM ADMINISTRATOR
ODOT STATEWIDE FACILITIES OPERATIONS
P) (614) 466-4108
E) DWIGHT.NEELY@DOT.OHIO.GOV

Pickering Associates worked with the Ohio Department of Transportation and OFCC on a Full-Service Maintenance Facility in Monroe County in Southeastern Ohio. This facility included a truck storage building with an administrative section and a mechanical services section, a cold storage structure, a salt storage structure, a material storage structure, an 8,000 gallon above ground fuel storage tank, a vehicle wash bay, and a brine/calcium system. This project, located at an existing DOT site, included demolition of existing structures.

The project required that a Program of Requirements (POR) be developed in close conjunction with ODOT to determine the requirements for the project. This facility required site circulation for trucks and semi trucks, for ODOT's trucks and equipment to maneuver the site. The project was designed as separate bid packages for each structure to aid in the permitting process. Due to low water pressure at the site, a fire water tank and pump was also included in the design to ensure proper water fire water capabilities. Additionally, the site required a utility fence surrounding the entire property as well as two automated gates and two man gates for pedestrian access onto the facility.

Our team provided full architectural, mechanical, electrical, plumbing, structural, and civil engineering design as well as environmental engineering, surveying, and construction administration services. We managed the construction photography services and quality assurance & testing services during construction.



OHIO DEPARTMENT OF TRANSPORTATION FULL SERVICE MAINTENANCE FACILITY VINTON COUNTY, OHIO

PROJECT SPECS:

PROJECT COST
\$9 M

SQUARE FOOTAGE
3 BUILDINGS - 50,700 TOTAL SF

DESIGN COMPLETION
APRIL 2018

CONSTRUCTION COMPLETION
OCTOBER 2019

SERVICES PROVIDED

ARCHITECTURE
CIVIL
ELECTRICAL
MECHANICAL
STRUCTURAL
CONSTRUCTION MANAGEMENT

CLIENT CONTACT

DWIGHT NEELY, PROGRAM ADMINISTRATOR
ODOT STATEWIDE FACILITIES OPERATIONS
P) (614) 466-4108
E) DWIGHT.NEELY@DOT.OHIO.GOV

Pickering Associates worked with the Ohio Department of Transportation and OFCC on a Full-Service Maintenance Facility in Vinton County in Southeastern Ohio. This facility was designed in response to a fire that destroyed one of the buildings at their existing facility. A new site was obtained by ODOT and the design of the facility included a truck storage building with an administrative section and a mechanical services section, a cold storage structure, a salt storage structure, a material storage structure, an 8,000 gallon above ground fuel storage tank, a vehicle wash bay, and a brine/calcium system.

This project required that a Program of Requirements (POR) be developed in close conjunction with ODOT to determine the requirements for the project. This facility required site circulation for trucks and semi trucks, for ODOT's trucks and equipment to maneuver the site. A two-tier site plan was developed to work with the slope of the existing grading and poor soil conditions to minimize costs. The project was designed as separate bid packages for each structure to aid in the permitting process. Additionally, the site required a utility fence surrounding the entire property as well as two automated gates and two man gates for pedestrian access onto the facility.

Our team provided full architectural, mechanical, electrical, plumbing, structural, and civil engineering design as well as environmental engineering, surveying, and construction administration services. We managed the construction photography services and quality assurance & testing services during construction.



YEAGER AIRPORT FIRE, CRASH, AND RESCUE STATION

PROJECT SPECS:

PROJECT COST
\$ 4.5 M

SQUARE FOOTAGE
20,000 SF

DESIGN COMPLETION
FEBRUARY 2006

CONSTRUCTION COMPLETION
SUMMER 2006

SERVICES PROVIDED

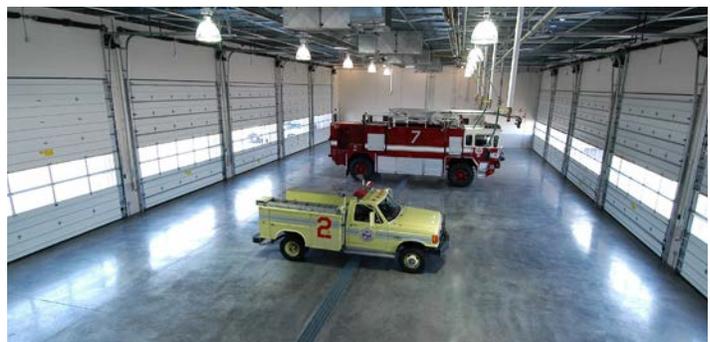
ARCHITECTURE
CONSTRUCTION MANAGEMENT
PROJECT MANAGEMENT

CLIENT CONTACT

TODD REYNOLDS
PROJECT MANAGER
P) (304) 561-6775
E) MATTHEW.T.REYNOLDS18.NFG@MAIL.MIL

Prior to merging with Pickering Associates in 2016, Associated Architects was hired by the Air National Guard to design a Fire, Crash and Rescue Station for Yeager Airport. The 20,000 SQ FT facility includes 12 apparatus bays, which were designed to be able to serve both the flight deck as well as the building on and off campus, living areas, a full kitchen and dorms. This unit also houses the main communications for the Guard's responsive units, with high security requirements for both the protection of the building and also the flight deck. The design included unique elements such as the gravity fed foam fill stations, individual overhead waterfill stations for each bay, hazardous decontamination wash down rooms, air fill rooms and 15 second open garage doors.

The project team worked with the Air National Guard, Yeager Airport and key stakeholders to make sure all programmatic needs were accommodated. The completed project cost was more than \$4.5 million.





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

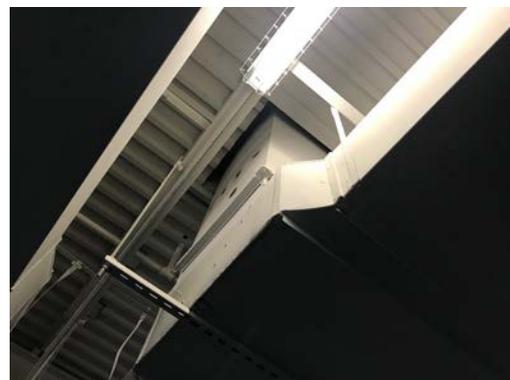
DAVID UNRUE
PROJECT MANAGER
P) (304) 561-6775
E) DAVID.R.UNRUE.NFG@MAIL.MIL

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.





ARMSTRONG FLOORING PLANT EXPANSION

PROJECT SPECS:

PROJECT COST
\$7,800,000

SQUARE FOOTAGE
75,000

DESIGN COMPLETION
JUNE 2018

CONSTRUCTION COMPLETION
OCTOBER 2019

SERVICES PROVIDED

ARCHITECTURE
CIVIL
ELECTRICAL
MECHANICAL
PIPING
STRUCTURAL
PROJECT MANAGEMENT
CONSTRUCTION MANAGEMENT

CLIENT CONTACT

ROBERT L. MORRIS, JR.
EXECUTIVE DIRECTOR
P) 304-637-0803
E) ROBBIE@RCDAWV.ORG

The Randolph County Development Authority hired Pickering Associates to design a 75,000 square foot plant manufacturing and storage expansion for Armstrong Hardwood Flooring. Pickering prepared a Preliminary Engineering Report to aid in acquiring funding for the expansion.

The construction needed to be phased in order to keep manufacturing operations functioning. The new structure is being constructed one half at a time so that existing loading docks remain operational until the new loading docks can be used. The completed project scope includes creating 7 outbound loading docks, 3 inbound loading docks, 2 flatbed loading zones all located under a covered canopy area. An area of sorting racks, matching their current system, which can handle approximately 500 +/- incomplete pallets at one time. Indoor storage area for 352 +/- bins which will hold 4 to 5 stacked pallets (in depth and height) with a floor tagging system to match the current system in use. Cross flow ventilation provided during the cooling season, space heating and humidification provided during the heating season for the storage and sorting areas. An area around each loading dock is dedicated to pre-shipment sorting and organizing for staging. Charging stations/bays for 4 forklifts. Video security system and wireless network access throughout the facility and a scale system.





MARK WELCH, P.E.

DIRECTOR OF COMMERCIAL AND MUNICIPAL
DESIGN
PRINCIPAL CIVIL/STRUCTURAL ENGINEER

BACKGROUND:

EDUCATION

MARSHALL UNIVERSITY
M.S. ENGINEERING MANAGEMENT

WEST VIRGINIA UNIVERSITY
B.S. CIVIL ENGINEERING

LICENSES

PROFESSIONAL ENGINEER
W.VA., OHIO, LA., PA., IN., TENN.

YEARS EXPERIENCE

19 YEARS

- Project manager for Waste Water Treatment Plant Phase's 1 and 2 expansion at Marietta, Ohio.
- Designed a new storm sewer system for a higher education roadway project in Athens, Ohio.
- Designed storm water system and new grading layout for a fire department annex in Vienna, W.Va.
- Project Manager for approximately 2 miles of new waterline and sewer installation in Williamstown, W.Va.
- Project Manager and Construction Manager for a \$16 million-dollar capital improvement project at a manufacturing facility in West Virginia.
- Project Manager and Construction Manager for a \$14 million environmental compliance project at a manufacturing facility in West Virginia.
- Project Manager and Construction Manager for over 20 different capital improvement and maintenance projects at a manufacturing facility in West Virginia.
- Civil/Structural lead and Project Manager for the construction of a \$25 million-dollar NGL storage facility in Louisiana.
- Project Manager and Civil Engineer for a brownfield development of approximately 30 acres for a new manufacturing facility.
- Civil Engineer for a polymer recycling facility located in the Polymer Alliance Zone in Davisville, W.Va.
- Civil Engineer for an expansion of operations at a refinery in Marietta, Ohio.
- Lead Civil Engineer for a new 930 square foot equipment room addition for a cath lab renovation at a hospital in Parkersburg, W.Va.

“THE JOY OF ENGINEERING IS TURNING TODAY'S DREAM INTO TOMORROW'S REALITY.”



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

18 YEARS

- Civil Engineer on WVANG Kenova Shop Vehicle Exhaust in Kenova, W.Va.
- Civil Engineer for three new \$9M to \$11M full service maintenance facilities for state DOT operations.
- Civil Engineer for approximately 3,925 linear foot waterline and meter replacement in Devola, Ohio.
- Project Manager and Civil Engineer for over 40 horizontal drilling locations throughout W.Va. and Ohio.
- 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.
- Civil Engineer for Phase 1 and 2 of the Larry Lang First Colony Development.
- Lead Civil Engineer for the design of two medical office buildings totaling approximately 30,000 SF near the traffic circle in Parkersburg, W.Va.
- Lead Civil Engineer for construction of a new 4 story hotel in Parkersburg, W.Va.
- Civil Engineer for addition and renovation for the Parkersburg/Wood County Public Library in Parkersburg, W.Va.
- Civil Engineer for addition and renovations for Mid Ohio Valley Technology Institute in Saint Marys, W.Va.

“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



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

45 YEARS

- 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.

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

Thomas A. Edison



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

25 YEARS

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

SOMETIMES THE QUESTIONS ARE COMPLICATED AND THE ANSWERS ARE SIMPLE.

Dr. Seuss



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

20 YEARS

- Electrical Engineer Huntington Tri-State Armory-HVAC Renovation Huntington, WV
- Electrical Engineer on WVANG Eleanor Armed Forces Center in Red House, WV
- Electrical Engineer on WVANG Kenova Shop Vehicle Exhaust in Kenova, WV
- Electrical Engineer on WVANG Camp Dawson Rappel Tower in Kingwood, WV
- Electrical Engineer State of WV Building 22 HVAC Renovations in Charleston, WV
- Electrical Engineer for West Virginia Dept of Natural Resources North Bend Lodge Renovation in Parkersburg, WV in Cairo, WV
- Electrical Engineer for HVAC renovations for Cabell Huntington Hospital located in Huntington, WV.
- Electrical Engineer for Randolph County Development Authority at Armstrong Manufacturing in Beverly, WV.
- Electrical Engineer for a Commercialization Station for the City of Bluefield, WV.
- Electrical Engineer for upgrades and installation of a new building complex that allows for Fermentation, Chiller Relocation in Maxwelton, West Virginia.
- Electrical Engineer for Ona Transmitting Station Electrical Study for WSAZ television station located in Charleston, WV.
- Electrical Engineer for renovations made at the Memorial EP Lab Charleston Area Medical Center in Charleston, WV.
- Electrical Engineer for renovations performed in the Wound Care Clinic at Cabell Huntington Hospital in conjunction with Ed Tucker Architects, in Huntington

“SUCCESS IS NO ACCIDENT.
IT IS HARD WORK, PERSEVERANCE,
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

29 YEARS

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

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

Abraham Lincoln



ANDREW MOMMESSIN

ENVIRONMENTAL SPECIALIST

BACKGROUND:

EDUCATION

TEXAS A&M
B.S. ENVIRONMENTAL GEOSCIENCE

DUTIES

CIVIL DESIGN
ENVIRONMENTAL PERMITTING
ENVIRONMENTAL REVIEWS

YEARS EXPERIENCE

2 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.



JAMES R. WARK

SENIOR PROJECT MANAGER
MECHANICAL DESIGNER
PROJECT MANAGEMENT
CONSTRUCTION ADMINISTRATOR
CONSTRUCTION INSPECTION

BACKGROUND:

EDUCATION

WASHINGTON TECHNICAL COLLEGE
A.S. APPLIED BUSINESS

LICENSES

STATE OF OHIO CERTIFIED JOURNEYMAN
PIPEFITTER/PLUMBER

YEARS EXPERIENCE

45 YEARS

- Construction administrator and inspection for Waste Water Treatment Plant Phase's 1 and 2 expansion at Marietta, Ohio.
- Additional projects have included piping arrangement and design for Eureka Hunter Carbide Compressor site in West Virginia and piping design at Eramet in Marietta, Ohio
- Project administrator and site inspection for the Putnam Community Water Corporations water plant expansion.
- City of Pataskala Project Representative for construction of a new 1.5 MG water plant.
- City of Pickerington Construction Manager/Inspector for the expansion of the existing 1.5 MGD plant to 3.5 MGD.
- Columbus Zoo and Aquarium Construction Inspection for the construction of a new water plant.
- City of Marietta Construction manager and site inspection for a 2 million gallon storage tank and pipeline.
- City of Pickerington Construction Administrator and Construction Inspection for 32,000 square foot Police Station and jail.
- City of Gahanna Project Representative for \$2.5M road widening project which was first phase for a future ODOT bridge project.

“IT IS QUITE POSSIBLE TO WORK WITHOUT RESULTS BUT NEVER WILL THERE BE RESULTS WITHOUT WORK.”



WILLIAM SHOWALTER, P.S.

SURVEYING DEPARTMENT MANAGER
PROFESSIONAL SURVEYOR

BACKGROUND:

EDUCATION

OHIO UNIVERSITY
B.S. CIVIL ENGINEERING

LICENSES

PROFESSIONAL SURVEYOR
WV [REDACTED] / OH [REDACTED]

YEARS EXPERIENCE

27 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
- 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.
- Lead Surveyor for City of Marietta Green Street Widening Project.

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

Konrad Adenaur

CTL Engineering, Inc. (CTL) is a full service Consulting Engineering, Testing, Inspection, and Analytical Services Company. Formerly known as Columbus Testing Laboratory, the company was established in 1927 as a privately held independent engineering and testing laboratory serving the local community. During its early years, the company focused mainly on soils, foundation engineering, and construction testing and inspection services. The successes, experience, equipment, and expertise gained in these areas led to a natural expansion into the Metallurgical, Non-Destructive Testing, Mechanical, Mining, Roofing, and Environmental Service Industries.

CTL Engineering maintains a staff of over 350 employees, including Registered Engineers, Chemists, Environmental Engineers & Scientists, Geologists, Hydrogeologists, Non-Destructive Testing Specialists, Certified Welding Inspectors and Technicians.

Initially, CTL's client base was mostly limited to Columbus, Ohio and its surrounding communities, but has grown significantly since. Today, CTL regularly performs services for private and public clients not only throughout Ohio, but also in all of the Mid-Atlantic and Midwestern states. In addition to our corporate headquarters in Columbus, Ohio, we have expanded our service centers to include 14 other regional offices.



As our client base continued to grow, along with diversifying our services in areas beyond the Geotechnical Engineering and Construction Services, CTL made the long term investment of acquiring a facility large enough to not only encompass already established laboratories for soils and material testing, but to also create additional space to accommodate our projected growth for the next decade and beyond.

Recognition

- Business First Journal regularly lists CTL Engineering as one of the top engineering firms in Central Ohio in terms of employees and revenues.
- Inc. magazine has ranked CTL as one of the top 5000 fastest growing private companies in America.
- ENR magazine has ranked CTL as one of the top 500.

- ✓ Employee-Owned
- ✓ 32 Professional Engineers
- ✓ Accredited Lab



AREAS OF EXPERTISE:

- Soils/Geotechnical Engineering
- Construction Administration
- Construction Testing & Inspections
- Civil/Site Design and Land Surveying
- Roadway and Bridge Design
- Roofing Design & Inspections
- Building Envelope Inspections
- Existing Structure Evaluation
- Environmental Site Assessments
- Asbestos & Hazardous Materials
- Brownfield & Site Development
- Nondestructive Testing
- Metallurgical Testing
- Special Product Testing
- Forensic Investigations
- Mining Reclamation Design
- Audio/Visual/Security Systems

www.ctleng.com



Building Additions Project Listing

Geotechnical Engineering Services

YEAR	PROJECT NAME	CLIENT NAME
2024	Heritage Elementary Addition, Waddy, KY	Shelby County Schools
2024	Proposed Building and Clinic Addition, Indianapolis, IN	Guidon Design Inc
2024	Edison State Community College Locker Room Addition, Piqua, OH	Fanning/Howey Associates, Inc.
2023	SOMC Cancer Center Addition, Portsmouth, OH	Southern Ohio Medical Center
2023	Doane Hall Addition, Granville, OH	Denison University
2023	Danville H.S. Addition, Danville, OH	SHP Leading Design
2023	River Valley Middle School Addition, Bidwell, OH	SHP Leading Design
2023	Calvary Christian School North Campus Phase II Addition, Bellefontaine, OH	Link Construction Group, Inc.
2023	Old School Dental Building Addition, Etna, OH	Construction One, Inc.
2023	Minster Police Building Addition, Minster, OH	Village of Minster
2022	Simpson Strong-Tie Manufacturing Facility- Additional Exploration, Columbus, OH	Simpson Strong-Tie Company, Inc.
2022	Oakwood High School Arts Renovation & Addition, Dayton, OH	Oakwood City Schools
2022	Lincolnview Local Schools HS/MS Building Additions, Van Wert, OH	Lincolnview Local Schools
2022	Blennerhassett Addition, Parkersburg, WV	Pickering Associates
2022	Denison University King Hall Addition, Granville, OH	Denison University
2022	Allstrap Building Addition, Columbus, OH	Allstrap
2021	Philo High School Additions and Renovations, Duncan Falls, OH	Franklin Local School District
2021	Track Improvements and Building Addition, Glouster, OH	Trimble Local Schools
2021	Denison University Beth Eden Building Addition, Granville, OH	Denison University
2021	Sam Dong Ohio Inc-Proposed Building Addition, Delaware, OH	Corna Kokosing
2021	Duncan Falls Elementary School Additions and Renovations, Duncan Falls, OH	Franklin Local School District
2021	7304 Dixie Highway Addition, Louisville, KY	Ohio Valley Educational CO-OP
2021	New Building Addition, Columbus, OH	New Vista
2021	Addition to Kirkersville Elementary, Kirkersville, OH	Garmann/Miller Architects Engineers
2020	Dept. of Energy NETL Building Addition and Equipment Pad, Pittsburgh, PA	WE2 Support Services 8(a)JV, LLC
2020	Franklin Local Schools - Philo Jr HS Additions and Renovations, Duncan Falls, OH	Fanning/Howey Associates, Inc.
2019	Central Ohio Technical College Pataskala Campus Building Additions and New Building, Pataskala, OH	WAI Construction Group LLC
2019	West MRI Building Addition, Lima, OH	Lima Memorial Health System
2019	Montgomery County Courts Building Addition, Dayton, OH	K2M Design
2019	Central Ohio Technical College Pataskala Campus New Addition, Pataskala, OH	BHDP Architecture

Joseph Grani, M.S., P.E.
Regional Geotechnical Engineering Manager



Mr. Joseph Grani, P.E. presently serves as a Regional Service Line Manager for Geotechnical Engineering. His work covers foundation analyses and recommendations for buildings, retaining walls, roadways, bridges, landslides, sewers, towers, and tanks. In addition, Mr. Grani is responsible for the supervision of

all subsurface explorations. Mr. Grani formerly served as the Manager of Geotechnical Services in CTL's Columbus Office.

Other experience includes foundation design recommendations for bridges, soils subgrade evaluations for pavements, slope stability evaluations for highway embankments and earth dams, design of parking lot dewatering systems, and design recommendations for earth retention structures and noise barrier walls. He utilizes many geotechnical programs, including Driven, Slide, and Lpile.

EDUCATION

Master of Science

The Ohio State University, Columbus, Ohio 1994

Bachelor of Science, Civil Engineering

The Ohio State University, Columbus, Ohio 1991

PROFESSIONAL REGISTRATION / CERTIFICATION

Registered Professional Engineer, West Virginia

Registered Professional Engineer, Ohio

Member American Society of Highway Engineers

CTL PROJECT EXPERIENCE

EDUCATIONAL FACILITIES

New Pataskala K-3 School, Pataskala, Ohio

Denison University Lacrosse Field, Granville, Ohio

Ohio University Old Heating Plant Switchgear 2021, Athens, Ohio

OSU-220563 BRT/ ULAR Lab Leak, Columbus, Ohio

SW School District, Licking County, Ohio

Big Walnut Local Schools, Delaware County, Ohio

Muskingum University, New Field House, Muskingum County, Ohio

Springfield City Schools, Springfield, Ohio

South Point Local Schools, South Point, Ohio

Southwestern City Schools, Grove City, Ohio

Hilliard City Schools, Hilliard, Ohio

Martins Ferry City Schools, Martins Ferry, Ohio

Galion City Schools, Galion, Ohio

Clark-Shawnee Local Schools, Springfield, Ohio

River Valley High School & Two New Elementary Schools, Marion County, Ohio

Portsmouth City Schools, Portsmouth, Ohio

Colonel Crawford Local Schools, North Robinson, Ohio

Delaware City Schools, Delaware, Ohio

Oak Hill Local Schools, Columbus, Ohio

Morgan County Schools, McConnelsville, Ohio

Franklin Local Schools, Duncan Falls, Ohio

Jackson City Schools, Jackson, Ohio

Upper Scioto Valley Schools, McGuffey, Ohio

Tipp City Schools, Tipp City, Ohio

Ohio University Courtyard Housing Development, Athens, Ohio

New Building at the Ridges, Athens, Ohio

Alden Library, Seepage Analysis, Ohio University, Athens, Ohio

New Elevator at Putnam Hall, Ohio University, Athens, Ohio

Music Hall Addition, Ohio University, Athens, Ohio

Jonathan Alder Local Schools – New Elementary & Additions to Middle School, Plain City, Ohio

HEALTHCARE

Southern Ohio Medical Center, Proposed Pediatric Practice Building & Family Center Building Addition, Adams County, Ohio

Southern Ohio Medical Center, Sherman Road Parking Lot, Portsmouth, Ohio

Ohio Health Neuroscience Wellness Center, Franklin County, Ohio

New Patient Tower, Riverside Methodist Hospital, Columbus, Ohio

New Cancer Research and Care Tower, Ohio State University Medical Center, Columbus, Ohio

New Medical Office Building, Westerville, Ohio

Riverside Methodist Hospital, Columbus, Ohio

Mount Carmel West Hospital, Columbus, Ohio

Mount Carmel East Hospital, Columbus, Ohio

Children's Hospital, Columbus, Ohio

New Medical Office Building, St. Ann's Hospital, Westerville, Ohio

Grady Memorial Hospital, Delaware Ohio

Highland District Hospital, Hillsboro, Ohio

Darke County Hospice, Greenville, Ohio

Piqua Assisted Living Center, Piqua, Ohio

BUILDING DEVELOPMENT

Marietta Fire Department Addition, Marietta, Ohio

Mars Petcare Plant Expansion, Columbus, Ohio

Proposed Commercial Development, Athens County, Ohio

Ohio History Center-Structure, Franklin County, Ohio

AMG Vanadium LLC, Eastpointe II, Zanesville, Ohio

AMG Vanadium LLC, RMSB 3 & FGD 2, Cambridge, Ohio

COTA Fields Ave. Renovation, Franklin County, Ohio

Miranova Development, Columbus, Ohio

State Teachers Retirement System, Columbus, Ohio

Center for Science and Industry, Columbus, Ohio

Proposed Bureau of Worker's Compensation Parking Garage, Columbus, Ohio



 **Joseph Grani, M.S., P.E.**
Regional Geotechnical Engineering Manager

New ODOT District Four Headquarters, Tallmadge, Ohio
Wal-Mart Supercenter, Grove City, Ohio
Morgan Metro Housing Slope Monitoring, Morgan County,
Ohio
City of Chillicothe Slope Monitoring, Chillicothe, Ohio
USPS Facilities in Zanesville, Columbus and Minford, Ohio
Manatee Exhibit, Columbus Zoo, Ohio
The Wilds, Columbus Zoo, Muskingum County, Ohio
The Islands, Columbus Zoo, Ohio

Venkata (Sastry) Malladi, P.E.
Regional Geotechnical Engineering Manager



Mr. Malladi presently serves as a Manager of Geotechnical Services for CTL's Columbus, Ohio office. His work includes foundation analyses and recommendations for bridges, buildings, towers, tanks, and roadways.

Mr. Malladi's experiences include slope stability, pile design and settlement analysis, performing and evaluating special field and laboratory tests and analyzing and reporting field and laboratory information for subsurface explorations.

In addition, Mr. Malladi's experience includes sample collection, and laboratory testing, ranging from simple identification tests to more complex tests, including permeability tests, direct shear, triaxial compression, thermal conductivity and consolidation. He currently performs various laboratory tests and provides technical support for the soils laboratory.

EDUCATION

Master of Science, Civil Engineering
The University of Akron, Akron, Ohio, December 2007
Bachelor of Technology, Civil Engineering
Osmania University, India, August 2004

PROFESSIONAL REGISTRATION / CERTIFICATION

Professional Engineer, Ohio
Certified Drilling Inspector –NHI-FHWA-SSI- [REDACTED]
ACI Certified Soils Lab Technician.
NICET Certified Technician – Laboratory and Generalist

CTL PROJECT EXPERIENCE

HEALTHCARE

The Ohio State University, Wexner Medical Center, Medical Office Building and Ambulatory Service Center, Franklin County, Ohio
The Ohio State University, Medical Center Facility Master Plan, Columbus, Ohio
Twin Valley Behavioral Healthcare, Columbus, Ohio Grady Memorial Hospital, Delaware, Ohio
Nationwide Children's Hospital Livingston Ambulatory Center, Columbus, Ohio
OSU Wexner Medical Center, Columbus, Ohio

EDUCATIONAL FACILITIES

Bloom-Vernon Local Schools- New Field House, South Webster, Ohio
Trimble Local Schools, Proposed Track Improvements and

Building Addition, Athens, Ohio
Franklin Local Schools, Duncan Falls Elementary School Additions and Renovations, Duncan Falls, Ohio
Franklin Local Schools, Philo High School Additions and Renovations, Duncan Falls, Ohio
Buckeye Valley Local Schools, Athletic Facilities Project, Delaware, Ohio
Miami Trace High School, Washington Courthouse, Ohio
Denison University, New Residence Halls, Granville, Ohio
Denison University, Student Wellness Center, Granville, Ohio
Big Walnut Local Schools, Sunbury, Ohio
Dublin City Schools, Dublin, Ohio
South-Western Local Schools, Grove City, Ohio
Ohio University, Clippinger Laboratories Additions/Renovations, Athens, Ohio
Bloom Carroll High School- Proposed Light Poles and Scoreboard, Carroll, Ohio
Denison University King Hall Addition, Granville, Ohio
Denison University Beth Eden Building Addition, Granville, Ohio
Denison University Steam Plant, Granville, Ohio
Amanda High School- Proposed Light Poles, Amanda, Ohio
Central State University Honors Dorm, Wilberforce, Ohio
Morgan High School- New Track/Field and Stadium Project, McConnelsville, Ohio

BUILDING DEVELOPMENT

Confluence Village Garage, Franklin County, Ohio
Residential & Retail Development, Franklin County, Ohio
University Estates, Athens County, Ohio
Abbott Nutrition Building Addition, Columbus, Ohio
UPS Norfolk Southern Access Drive, Columbus, Ohio
Owens Corning Facility, Licking County, Ohio
Fremont County Warehouse Expansion, Rockford, Ohio
Gampps Inc. New Warehouse Building, Scioto County, Ohio
Mar-Zane Materials Plant #3 & #8, Columbus, Ohio
Higgins Construction Supply, New Manufacturing Facility, Jackson, Ohio
Island Aseptics, New Digester Tank, Byesville, Ohio
Indian Mound Recreation Center, Columbus, Ohio
Greene Full Service Maintenance Facility, Green County, Ohio
Medina Full Service Maintenance Facility, Medina County, Ohio
Jackson County Oak Hill Yard, Ohio
Barnesville Outpost, Barnesville, Ohio
Portsmouth Decontamination Project, Piketon, Ohio
Bryant Ag, Grain Storage Facility, Fayette County, Ohio
Proposed Maintenance Shed and Material Storage Bin, Columbus, Ohio
City of Grandview Heights, Site Evaluation Services, Franklin County, Ohio
Project Grow-Laboratory Mix Design Testing Services, Marysville, Ohio

 **Venkata (Sastry) Malladi, P.E.**
Regional Geotechnical Engineering Manager

Sam Dong Ohio Inc-Proposed Building Addition, Delaware, Ohio
Geotechnical Services- Project Grow, Marysville, Ohio
Guernsey County District Public Library, Proposed New Mobile Services Building, Cambridge, Ohio
New Residential Project, Columbus, Ohio
ROS- Weigh Station Conversion, Ross County, Ohio
Assisted Living Facility, Circleville, Ohio
Leon's Garage- Proposed addition, Marysville, Ohio
Waverly Strip Center, Waverly, Ohio
Mars Petcare Plant Expansion, Columbus, Ohio
Confluence Village Parking Garage, Franklin County, Ohio
Muskingum University, New Field House, Muskingum County, Ohio
Nationwide Children's Hospital, Livingston Surgery Center, Columbus, Ohio
New Building Addition, Franklin County, Ohio
Blendon Township Admin Building, Westerville, Ohio
Magnolia Reserve, Fairfield County, Ohio
Simpson Strong-Tie Building Addition, Columbus, Ohio
South Central Power Company, Water Tower Rebuild- Laurelville 69kV, Pickaway County, Ohio
Southern Ohio Medical Center, Proposed Pediatric Practice Building & Family Center Building Addition, Adams County, Ohio
Proposed CNG fueling Site, Groveport, Ohio
Tarrier Foods Corp, Columbus, Ohio
Cliffs Site- New structures, Rockbridge, Ohio
COTA Rickenbacker Mobility Center, Groveport, Ohio
Proposed Building Addition, New Albany, Ohio
Walbonns Industrial Park Site, Marysville, Ohio
Windsor Pool Renovation Project, Columbus, Ohio
Glenwood Pool Renovation Project, Columbus, Ohio
Union County Airport- Proposed T- Hangar, Marysville, Ohio

PUBLICATION

Zywicki, Daren J. and Sastry Malladi, "Forward-Backward Cylindrical Beamformer and Geometric Spreading Weighting for Seismic Surface Wave Phase Velocity and Amplitude Estimation", appeared in the Proceedings of GeoDenver 2007, Denver, CO, Feb. 18-21, 2007.
<http://cedb.asce.org/cgi/WWWdisplay.cgi?0704238>



REFERENCES



CITY OF
PARKERSBURG

City of Parkersburg
Parkersburg, W.Va.

Tom Joyce, Mayor of Parkersburg
(P) (304) 464-5282



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Elkins, WV

Robert L. Morris, Jr., Executive Director
(P) (304) 637-0803
(E) ROBBIE@RCDA.ORG



West Virginia
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State of WV General Services
Charleston, WV

Scot Casdorff, PE
Architecture & Engineering Manager
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John H. Anderson, Project Manager, Business Development
(P) (740) 376-9396
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City of Vienna
Vienna, W.Va.

Randall Rapp, Mayor of Vienna
(P) (304) 295-5070
(E) rcrapp@suddenlink.net

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)