

**PICKERING
ASSOCIATES**

Architects • Engineers • Surveyors

EXPRESSION OF INTEREST

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WV PURCHASING
DIVISION

Bldg. 8 Governor's Mansion Roof Project
CEOI 0211 GSD1900000004
Charleston, West Virginia
February 14, 2019

Ms. Melissa K. Pettrey, Senior Buyer
Department of Administration, Purchasing Division
2019 Washington Street East
Charleston, WV 25305



Re: EOI Building 8 Governor's Mansion Roof Project

Solicitation No.: CEOI 0211 GSD1900000004

Ms. Pettrey,

Pickering Associates is pleased to have the opportunity to submit this proposal for providing Architectural/Engineering design services for the Governor's Mansion Roof Project. We feel confident our design team is uniquely qualified to provide design services for this project.

Our team brings two very important items to the project. First, we have and use 3D scanning technology that will allow a better understanding of the water infiltration and possible structural damage with less evasive means required for access. Our 3D scanner works in the dark and only requires a 16" hole for access. The scanner will produce a 3D image of everything it sees. We will also use a drone to fly over and document all of the slate roof areas without the damage of physically walking on them. A thermal image camera may be used to track water infiltration and help identify source of the leaks. And second, I have actual hands-on experience with this type of work. I worked for Glenco Construction Company in Athens, NY. One of the many projects I worked on while at Glenco was slate tile repairs on a church roof. I also have experience with 3 coat plaster work. Since there is water damage in the Mansion, I would think we will need to repair the interior plaster. I have personally installed a copper standing seam roof with field rolled seams over a church bell tower. I broke all the copper to make the roof panels and trim pieces. I oversaw the design and installation of over 312,000 square feet of 90 mil EPDM roofing last year. And I have designed and will handle the construction administration for another 210,000 square feet of 90 mil EPDM roofing this year. Many of these roofs have copper flashing.

In looking at the slate roof, we see several slates that appear to be loose or missing. Also we noticed that a few slates do not appear to match the rest of the roof. I think that SHPO will want these mismatched slates corrected. We understand the importance of maintaining the historic integrity of the Governor's Mansion but also understand the need to improve the structure and make it more viable. In order to meet those expectations, Pickering would begin the project with an initial meeting with all project stakeholders. During this planning phase, our team would assist members and other stakeholders to define the project scope, determine budget, develop a schedule and identify any risks. We would work closely with WV SHPO office to include any of their recommendations and verify that they were in agreement with our plan of investigation. In order to clearly understand the amount of structural damage, some plaster may need to be removed to access the condition of structural elements. I believe our use of technology and experience will help keep the amount of demolition to a minimum and still ensure an accurate representation of the existing conditions.

After this initial meeting, our Project Manager would review the requirements with our management team, develop a resource plan based on current workload, sequence activities to dedicate these resources, estimate costs, and provide the General Services Division, WV State Historic Preservation Office and Capitol Building Commission with the assurance that we can meet project expectations. Our firm employs a full-time resource scheduler who utilizes proprietary software specifically designed for A/E firms to maintain scheduled workflow for each employee. This allows our team to plan projects without overbooking and scheduling deadlines we can't meet.

Next, the Project Manager would oversee project execution through close monitoring and control. Progress tracking, coordination, review and maintaining tight control of the scope, schedule and budget are integral parts of the design development phase, as well as continuous communication with the Owner and other stakeholders. The Project Manager would conduct several phase gates and reviews during the project and highlight major milestones, ensuring that potential issues will be identified early and addressed. After the investigation was complete, there may be options that the stakeholders would want to consider before completion of construction documents.

Once the General Services Division, WV State Historic Preservation Office, Capitol Building Commission and the project team have finalized the design for the project, Pickering Associates would assist with bidding, negotiating, and construction administration. Clear instructions and control of the bidding process will allow contractors to provide accurate pricing and reduce the number of contractor requested change orders.

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.

Should you have any questions regarding this proposal, please do not hesitate to contact us.

Respectfully submitted,



Sean G. Simon, AIA, NCARB

Senior Construction Administrator

Project Architect

ssimon@pickeringusa.com | 304.345.1811

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Our Services

Comprehensive Design

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.

Our design process will begin with **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 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. The sketches will also provide the client with a general indication of the exterior design and overall look of the addition. Once schematic design is complete, we will move into the design development phase for the project.

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 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. By preparing this estimate early in the design process, it will allow us to identify potential cost savings that may be required to keep the project within your anticipated budget. 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 exterior 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 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. Renderings and/ or a physical 3D model can also be prepared (if desired by the client) to accurately portray the final design and to use as a marketing tool.

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.

Consensus Building

Consensus building is essentially mediation of a conflict which involves many parties and is usually carried out by a facilitator that moves through a series of steps.

In the beginning, our facilitator or project manager identifies all of the parties who should be involved, and recruits them into the process. We propose a process and an agenda for the meeting, but allow the participants to negotiate the details of the process and agenda - giving the participants a sense of control of the process. This process builds trust between the participants and the facilitator, between the participants themselves, and with the overall process.

Defining and often re-defining the conflict is usually the next step. The project manager will get the participants to define the issues in terms of interests, which are usually negotiable, rather than positions, values, or needs, which usually are not. The project manager will then get the participants to brainstorm alternative approaches to the problem. This is typically done as a group effort, in order to develop new, mutually advantageous approaches.

After the participants generate a list of alternate solutions, these alternatives are carefully examined to determine the costs and benefits of each (from each party's point of view), and any barriers to implementation are documented. Eventually, the choice is narrowed down to one approach which is modified, until all the parties at the table agree to the solution. The project manager then takes the agreement back to the owner for discussion and approval.

Cost Control

Through the development of the project scope, number of units to be designed and site evaluations, we take into consideration the budget available or targeted to assure funds are accounted for early in project development. Once a preliminary site and building footprint is defined, we take the time to develop an estimate of probable project costs and alert our clients of any differences between project budget and the anticipated project costs.

Quality of Work

While a project budget may limit the use of traditionally expensive materials, Pickering still sees the importance of using proven materials which will provide a quality project while being cost effective. Importance is always placed on areas where small amounts of upcharge can create the largest impact to the future tenants and provide an inviting environment. As professionals, we are also tasked with finding cost effective solutions which still provide the building owners with years of excellent service. While every individual project we have designed is unique, there are common design elements and materials which have proven over the years to be best suited for similar projects.

Performance Schedule

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.

Sustainable Design

Pickering Associates is a LEED affiliated firm. We have architects and engineers that are current with LEED registration and the firm has completed multiple projects ranging from the certified level to platinum. We use software and best engineering practices to provide the end user the most energy efficient building systems. When you combine this with providing architectural design that works with these systems for insulation and avoidance of solar heating, you end up with an energy efficient building.

Multi-discipline Team

We also believe that because we are a full-service firm, (having the majority of the designers, architects, engineers, landscape designers, surveyors, project managers, and construction administration professionals on staff and under one roof), we are able to provide a better coordinated project than firms who are required to use many outside consultants. We organize regular in-house project team coordination meetings throughout the design phases of a project to discuss and work-out any issues or concerns that may arise. 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. Our close coordination efforts have proved 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. Typically, there are more change orders in firms that are not full service due to the difficulty and time required for drawing coordination.

Cost Estimation

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.

We know the importance of not only understanding our client's budget, but ensuring that the project is designed to fit into (and stay within) that budget. When an exterior addition is involved, we do our best to give our client a project that will not only look nice, but provide a design that will fit into the context of the existing facility by making it look like it belongs. We do not feel that it is appropriate to over-design a project to make a statement – thus increasing construction costs and making it difficult to stay within the client's project budget. We believe that it is more important to design features into the project that will allow for a better functioning project.

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 typically provide an updated estimate of probable construction costs for each phase of design, thus monitoring and providing control for the project budget. 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.

Building Information Modeling

Pickering Associates approaches Building Information Modeling as a very useful tool that can accomplish goals that extend beyond the typical design and construction phases of the project. Defining the specific project expectations is critical for the owner and designers. We work with the owner and start with their anticipated use of the BIM model once construction is complete. From there, we work through the design schedule incorporating all aspects of BIM that will enhance the owners understanding of the project. We will assign model management responsibilities, quality assurance responsibilities, and level of development criteria – all linked to specific schedule milestones. We incorporate clash detection, collaboration tools, visualization capabilities, and analytical studies throughout to benefit the project development process. We utilize these aspects of BIM and elevate them with in-house 3D printing services to provide exceptional professional services. Many of our architectural and engineering leads, designers, and drafters are trained, proficient, and up to date on BIM software. We even have an in-house BIM coordinator that routinely provides training and updates to our staff to ensure that everyone has the proper training to perform the work we do.

Cutting Edge Technology

Pickering Associates approaches Building Information Modeling (BIM) as a tool for quick design concept generation that will continually add detail throughout the project and even beyond the construction phase. The ability to visualize a design early on via the 3D model allows high level decisions to be clearly identified and addressed during the beginning phases of the project – typically where potential impacts to project cost/schedule is greatest. Defining specific expectations is critical for key stakeholders and BIM allows our design teams to address those expectations much earlier in a project than a traditional 2D work-flow.

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 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 virtual comments allows our team to capture and track design communications more efficiently than ever before.

3D Scanner

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 that 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 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. Granting our designers the ability to virtually measure items directly on a 360 degree image to an accuracy within 1/8” right from their desk, where they have the greatest access to design tools is unprecedented in our region!

Aerial Mapping

Pickering Associates has recently obtained certification through the FAA's Part 107 Remote Pilot process to operate Unmanned Aircraft Systems (UAS) commercially. As cutting edge technology continues to evolve, Pickering Associates is able to fulfill client needs further by providing high-quality aerial imagery and three-dimensional aerial mapping.

Currently, Pickering Associates is capable of employing the use of two UAS: the Yuneec Typhoon 4K and/or the DJI Mavic Pro to fulfill client needs of high quality imagery and 4K video. In addition to imagery and video, the DJI Mavic Pro allows for the capturing of 3D point cloud data to be incorporated into CAD design files. In addition, the data obtained by the DJI Mavic Pro has the capability of being integrated with the Faro 3D scanning system, and ultimately be intertwined with our firm's ability to 3D print models. The functions of these images and videos can range from Pre-Construction documentation of large scale projects to construction progress documentation to As-Built documentation. They can also be used as marketing and inspection tools.





*Our Company
and
Project Team*

Charleston

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Suite 200
Charleston, WV 25302
(P) 304.345.1811
(F) 304.345.1813

Parkersburg

11283 Emerson Ave
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2099 East State Street, Suite B
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(F) 800.689.3755



Founded in 1988, Pickering Associates has been providing architectural, engineering and surveying services to the West Virginia and Ohio Regions 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.

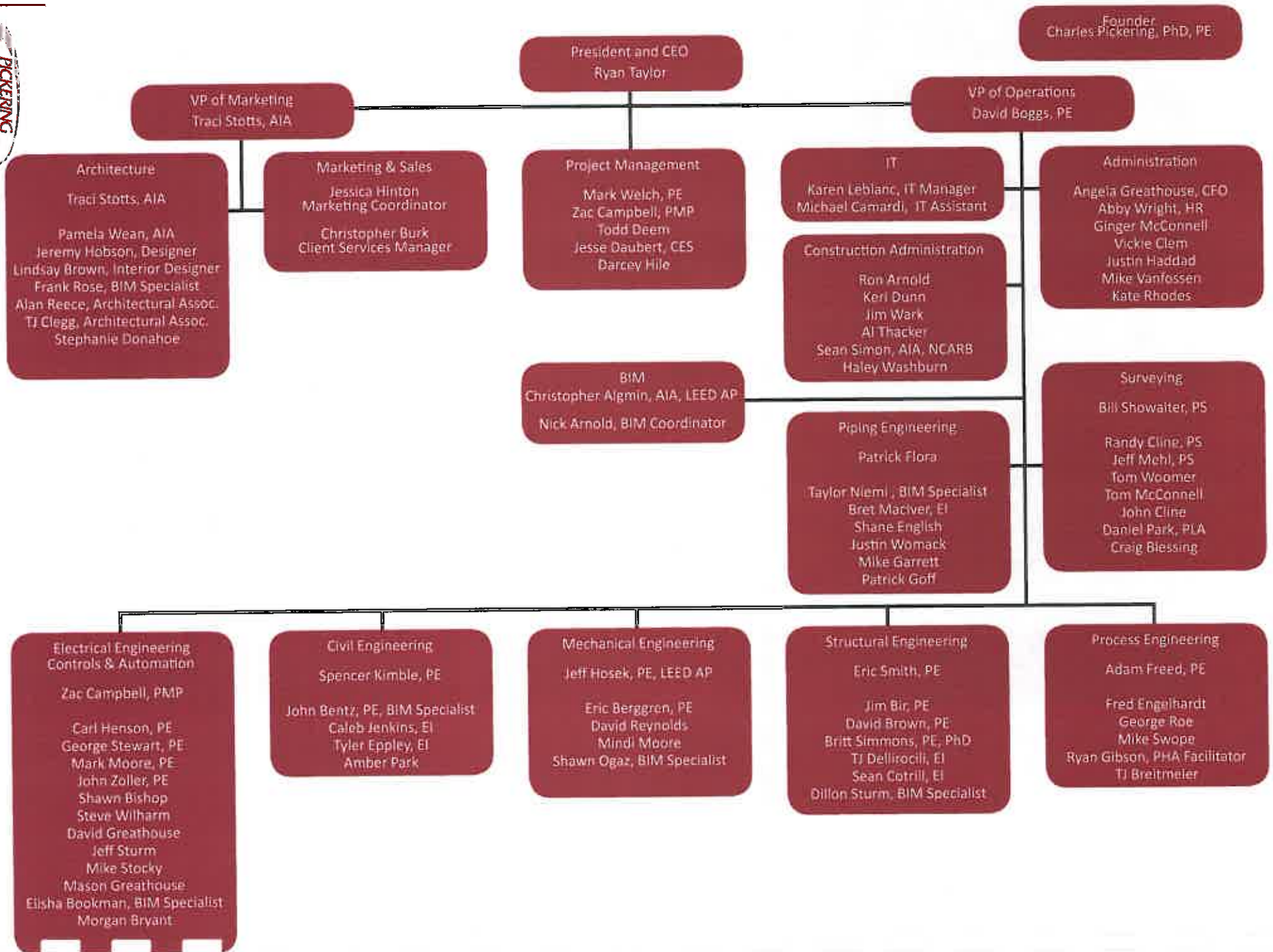
Our architectural, engineering and surveying firm consists of an exceptional balance of experience and the desire to provide our customers with a quality product at a fair price. Our highly qualified staff includes licensed professional engineers, professional surveyors, licensed architects, designers, 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.

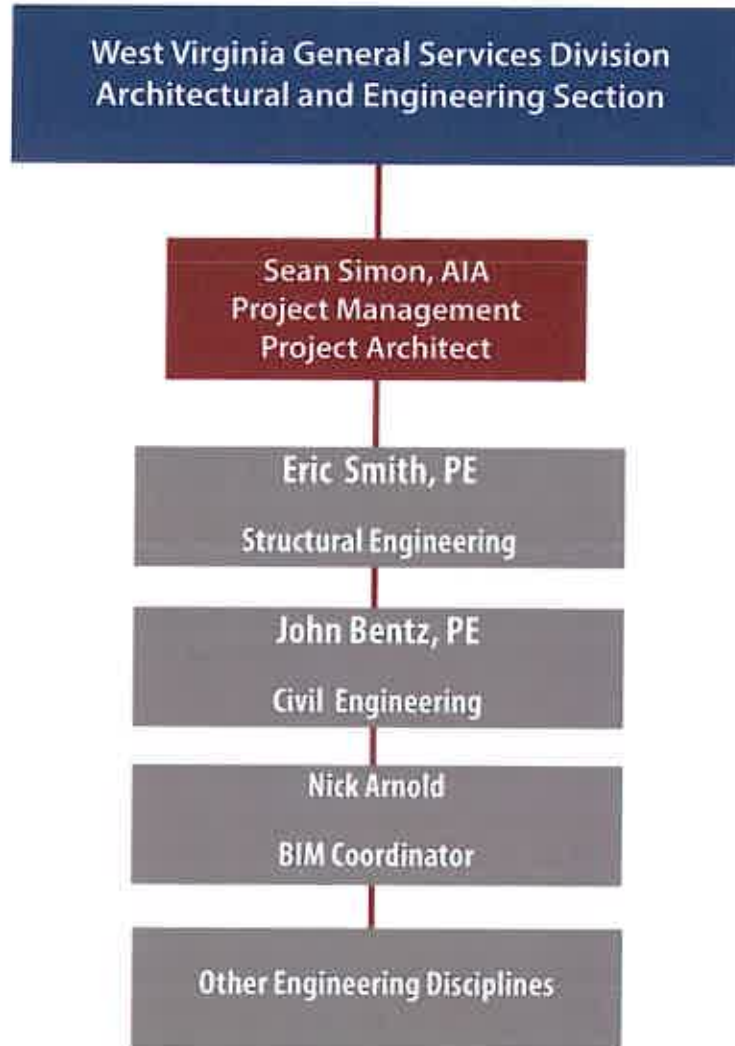
Successfully executing more than 10,000 projects in its history, the firm has built a tremendous wealth of experience gaining insight into what works for each of our client types. Those lessons learned add substance to our work and provide our clients with unparalleled value. Our objective is to partner with our clients improving their performance, flexibility, life-cycle cost, sustainability and ultimately well-being.

Our broad client base is representative of the area and includes education, healthcare, retail, utilities, municipal, chemicals and plastics, metals, and power generation among others. The types of projects we provide range from conceptualization and construction estimates to full turn-key design including construction management. Every project is unique and our approach to the solution is determined accordingly. Whether the project is a small electrical or mechanical modification, a larger multi-discipline new building or retrofit, or a green field installation, it receives all the attention and care required to make the project a success.

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.

www.PickeringUSA.com







Technical Expertise



Sean G. Simon, AIA, NCARB

Position/Title

*Senior Construction Administrator
Project Architect*

Duties

*Project Administration
Project Management
Project Architect*

Education

*Construction Specifications Institute
Construction Document Technologist
University of Tennessee
Professional Bachelor of Architecture*

Licenses

Professional Architect - WV

*Quality is not an act, it is a
habit.*

Aristotle

Twenty-five years of experience in architectural programming, design, construction document production, and construction contract administration.

Previously the Director of Construction Services at Silling Architects. Duties included overseeing construction administration for over 120 projects totaling 2.3 MM sf and an estimated construction value of \$350,000,000. Projects included a \$40MM 5 level courthouse and a \$14MM 3 story courthouse, was also the Project Architect on the Marshall County Courthouse for exterior renovations, and also for the Hampton County Courthouse exterior renovation projects. The project scopes included cleaning, brick repointing, stone repair, and required working closely with the State Preservation Office.

Project Architect for South Branch Cinema 6. This project included a 6 screen movie theater, which included 3 different theater sizes and a total of 800 seats. Also designed provisions for 2 more screen theater additions to occur at a later time.

Project Architect for over 10 different banking facilities located throughout Virginia and West Virginia. The project designs included coordinating with the bank's equipment suppliers, furniture suppliers and bank branding requirements.

Project Architect for a one story facility for the Beckley State Police/ Department of Motor Vehicle. Project scope included 32,900 sf one story facility that housed both the State Police detachment as well as the local DMV.

Project Architect for a new Urgent Care facility. This project involved converting a retail space into a medical space. Project scope included working closely with the Fire Marshal to make sure that all code requirements were met. The facility was to be efficient for 2 doctors and 3 physician assistants. The center included X-Ray equipment and computer modems in each treatment room.

Project Architect for a Monumental sign for Robert C. Byrd Courthouse in Charleston, WV. Project scope included designing the sign to match the profiles and materials of the Courthouse. This involved working closely with the glass artist at Blenko to develop a mold to make the chisel point cast glass profile pieces.

Project Architect for a renovation project for the Social Security and Department of Labor Office in Parkersburg, WV. Project scope included removing all of the concrete block walls and installing new walls to accommodate a more open office plan and provide better security for the facility.

Project Architect for constructing a new clinic for the Lost River Vet Clinic. Project scope included a pull thru area for when large animals were being brought in a trailer could drop them off and the animals could be placed in a large animal stall.

Project Architect for the renovation of the Eastern Community College. Project scope for the renovation of the original 2 story 28,000 sf facility including classrooms, administrative offices, and library spaces.

Project Architect for the construction of an 8,400 sf facility for the Moorefield National Guard Armory. The project design included a 60' clear span bar joists. The interior layout of the facility included reception, a large multipurpose room with moveable partition, offices, toilets with showers, locker room, large walk-in gun safe, and a maintenance bay for servicing vehicles.

Project Architect for an office headquarter design that was 2 stories at 35,000 sf and designed for a future 3rd floor. The project scope included front features including a large section of curtain wall glazing and bands of green tinted glazing, while the rest of the red brick structure had a traditional masonry detailing. Interior features included polished granite and slate lobbies with cherry wainscot in the hallways. The building itself held office personnel from 7 different locations and custom designed desk were made for many of the mid-level management.

The West Virginia Board of Architects

certifies that

SEAN GEORGE SIMON

is registered and authorized to practice
Architecture in the State of West Virginia.

In testimony whereof this certificate has been issued
by the authority of this board.

Certificate Number [REDACTED]

The registration is in good standing until June 30, 2019.



A handwritten signature in cursive script, reading "Graily Papadopoulos", on a light-colored background.

Board Administrator



Eric Smith, P.E.

Position/Title

*Structural Engineering Department Manager
Civil/Structural Engineer*

Duties

Civil/Structural Engineer

Education

*West Virginia University
B.S.C.E., Civil Engineering*

Licenses

Professional Engineer WV, OH

*Perfection is not attainable, but
if we chase perfection we can
catch excellence.*

Vince Lombardi

Civil Engineer on Eureka Hunter Pipeline, L.L.C. Low Water Crossing. Duties included designing substructure (consisting of a concrete capped pile abutment with vertical and battered piles). Coordinated with the superstructure design engineer for bridge reactions and necessary abutment details to incorporate the superstructure bearing. Also, assisted with the construction drawing package.

Civil Engineer on several projects for the City of Marietta including the Gilman Avenue Slip, Rathbone Area Drainage Study and Storm sewer assessment, Lancaster Street improvements, Sixth Street Area Mitigation flood control, and Water Treatment Plant slip repair.

Generated detailed engineering drawings, quantities, and material estimates for bridge replacements for the following counties in Ohio: Meigs County (County Roads 1, 8, 10, 14, 22, 35, 43, 52, and 82), Morgan County (County Roads 16, 53, 62, and 66 and Township Roads 48 and 106), and Washington County (County Road 354, several Township Roads, and Veto Lake)

Reviewed drawing designed for The Point Commercial Park for Lawrence Economic Development Corporation. Responsible for foundation and column design. Modeled the structure using STAAD and performed wind load, connection, and foundation calculations.

Reviewed structural drawings for a new addition of the Holzer Clinic and evaluated adequacy of the structural members and connections.

Collected field data, created a roof model, calculated loads and generated drawings and recommendations for roof repairs at First Congregational Church.

Professional experience also includes providing accurate field notes and sketches, development of drawing layouts, details, and section drawings; providing calculations, and writing investigation and observation reports.

Extensive technical experience with civil, structural, and geospatial software packages including STAAD Pro, Presto, Enercalc, AutoCAD, AutoDesk Land Desktop, AutoDesk Civil 3D, and Topo USA.

Senior Project Manager and Structural Engineer of Record for Catwalk at Ohio University. Project included the reconstruction of a deteriorated portion of the elevated concrete walk in front of Crawford Hall. Involved inspection, design and construction administration.

Senior Project Manager and Structural Engineer of Record for Catwalk at Ohio University. Project included the reconstruction of a deteriorated portion of the elevated concrete walk in front of Brown Hall. Involved inspection, design and construction administration.

Search: Details

Name:	ERIC S. SMITH
WV Professional Engineer:	PE License Number: [REDACTED]
	PE License Status: Active
	PE Issue Date: 12/17/2009
	PE Expiration Date: 12/31/2020
Continuing Education Claim:	Qualifying Hours from Last Renewal or Reinstatement: 45.00
	Carryover Hours for Next Renewal: 15.00
	Last Renewal or Reinstatement Date*: 12/7/2018
WV Engineer Intern:	EI Certification Number: [REDACTED]
	EI Issue Date: 07/13/2005
Primary Address of Record:	[REDACTED]
Primary Employer of Record:	PICKERING ASSOCIATES 11283 EMERSON AVENUE PARKERSBURG, WV 26104
	* This date reflects the most recent license renewal (or reinstatement) date for this licensee. Continuing education hours earned prior to this date may not be used for future renewals.

This data was retrieved on 1/21/2019.



John Bentz, P.E.

Position/Title

Civil Engineer

Duties

*Civil Engineer
Project Manager
BIM Specialist*

Education

*Ohio University
B.S., Civil Engineering
Marshall University
M.S. Engineering Management*

Licenses

Professional Engineer, WV

*Engineering is a form of art and has
filled the world with things of obvious
visual beauty but also subtle forms.*

Louis Brown

Civil Engineer for approximately 3,925 linear foot waterline and meter replacement in Devola, OH. Project included close coordination with Putnam Community Water personnel to replace approximately 3,925 linear feet of existing infrastructure with 6" line, and design tie-in connections to existing water mains to remain in place. Design duties include an on-site meeting, proposed waterline alignment and profiles, on-drawling specifications, and construction-related details.

Civil Engineer for approximately 2 miles of new waterline and sewer line installation in Williamstown, WV.

Civil Engineer for approximately 4,600 linear foot of waterline and meter replacement in Marietta, OH.

Performed design services for commercial clients including conceptual design, grading, utility coordination, storm water system design, permitting, sediment and erosion control, and cost estimating.

Civil engineer for numerous horizontal drilling locations throughout West Virginia and Ohio. Projects typically included all facets of design from conceptual planning through final design/construction of new access roads, drill pads, production pads, and sediment/erosion control measures. Other services included quantity takeoff/estimating, coordination with geotechnical firms, value engineering, coordination of utility providers, and design of any future reclamation efforts.

Performed design associated with roadway improvement projects to assist clients in obtaining Road Use and Maintenance Agreements (RUMAs) in Ohio. Responsibilities include initial roadway assessment, accommodation of movement requirements for well traffic (vehicle tracking, horizontal and vertical design constraints, sight distances, etc), design of drainage improvements and temporary traffic control measure, and close coordination with other engineers for the design/implementation of new stream crossings.

Civil Engineer for multiple oil and gas projects throughout Ohio and West Virginia. Work includes checking for conformance of construction activities to the design drawings, holding weekly progress meetings, and handling change orders.

Civil Engineer for the addition of a new Emergency Department to a hospital in Parkersburg, WV. Project was located within City limits and had to incorporate storm water management practices. Design of multiple utility relocations including an underground diesel storage tank. Design also included grading, site layout, parking flow and layout, and multiple construction phases which had to be coordinated with the hospital and City.

Prepared construction documents in adherence to Ohio Department of Natural Resources Horizontal Well Site Construction (OAC 1501:9-2-02) regulations. Performed all necessary calculations, documentation, and analyses to gain permit acceptance for construction under new ODNR regulations. Calculations and documentation include slope stability modeling, Stormwater channel/conveyance sizing, drill pad containment sizing to accommodate prescribed rainfall events, emergency release conveyance mapping, and stabilization measures.

Performed construction administration for multiple oil and gas projects in Ohio and West Virginia. Responsibilities included close communication with owner, preparation of agendas, attending/leading weekly progress meetings, reviewing and approving Applications for Payment, initiating and reviewing necessary Change Order documentation, performing routine site inspections, and reviewing construction-related reports.

Performed multiple hydraulic analyses, using HEC-RAS and Civil3D, to provide access to new Drill Site Locations throughout Ohio and West Virginia. Project included communication with environmental group to assist in permitting, performing necessary hydraulic calculations and modeling, and providing determination of impacts of new structures, along with design of temporary traffic control measures required for construction. Assisted clients with hydraulic analyses required for the West Virginia Department of Environmental Protection (WVDEP) Centralized Impoundment/Pit Application.

Performed HEC-RAS analyses to serve as impact studies for water crossing infrastructure for various clients.

Assisted with annual bridge inspections, collected necessary measurements of each bridge and performed load rating services.

West Virginia State Board of Registration for Professional Engineers *Licensure Verification*

Search: Details

Name:	JOHN ROBERT BENTZ
WV Professional Engineer:	PE License Number: [REDACTED]
	PE License Status: Active
	PE Issue Date: 01/08/2018
	PE Expiration Date: 12/31/2020
Continuing Education Claim:	Qualifying Hours from Last Renewal or Reinstatement:
	Carryover Hours for Next Renewal:
	Last Renewal or Reinstatement Date*: 12/5/2018
WV Engineer Intern:	EI Certification Number:
	EI Issue Date:
Primary Address of Record:	[REDACTED]
Primary Employer of Record:	PICKERING ASSOCIATES 11283 EMERSON AVENUE PARKERSBURG, WV 26104
	* This date reflects the most recent license renewal (or reinstatement) date for this licensee. Continuing education hours earned prior to this date may not be used for future renewals.

This data was retrieved on 2/11/2019.



Nicholas M. Arnold

Position/Title

BIM Coordinator

Architectural Designer

3D Printing Technician

Duties

Building Modeling/Graphic Rendering,

Technical Support

Education

Marshall University

M.S., Technology Management [December 2018]

Miami University of Ohio

B.A., Architecture

*Design is where science and art break
even.*

Robin Matthew

3D Printing Technician responsible for converting 3D models, printing and developing presentation displays for a variety of building, structure, equipment and utility models for project team meetings and design reviews. Work typically involves developing 3D printed design concepts illustrating building additions, utility routings, structural framing and furniture/equipment layouts within a proposed design model. Additional 3D printed applications include physical models for marketing, construction logistics visualization and site layout conception.

BIM Coordinator for the design and construction for an environmental compliance project to clean up air emissions around an existing metal casting process for a manufacturing facility in Marietta, OH. This track project focused on the following fume capture areas: furnace tapping, slag raking, metal transfer, and casting. Significant planning was required to coordinate construction during plant shutdown and outage, and allow for procurement, fabrication and construction to meet deadlines.

Building information modeler for a conceptual residential project achieving LEED Platinum status. Sun exposure studies and interior renderings were required for material conception and building efficiency calculations. Site modeling also played a key role in laying out the footprint on the property to gain the best solar exposure.

3D Laser Scanning Technician for various existing facility data capture efforts. Scan data is used to document and verify existing site conditions ranging from conceptual space planning to detailed safety/construction inspections. Responsibilities include training design personnel to use equipment and software, planning/scheduling scan collection activities, developing budgets for site documentation, directing data collection resources, performing scanning activities on site, registration/cleaning of collected data, formatting point cloud models for various software platforms and rolling out the 3D scan data model to project design teams. Additional responsibilities include integration of point cloud data with conceptual building models or equipment layouts and performing clash detection with engineering models to minimize impacts to existing conditions.

Collected and Analyzed building/site data to develop a current inventory of spaces and use-cases for a local university to prepare for campus master planning activities. Responsibilities included site documentation, space cataloging, square footage calculations, building/site plan diagrams, and satellite campus facilities reviews. Final deliverable included composite report document illustrating current tenants, active programs, utility/maintenance space inventories and suggestions for energy efficiency improvements.

Project Architect for the Theatre Renovations at West Virginia University at Parkersburg. Project began with research and development of a live acoustics digital model and cost conception. Provided design, digital building modeling and construction administration for the renovation which included new acoustic wall/ceiling arrangements, replacement of existing stage flooring, rework of house lighting and theatre systems and various other improvements.

Digitally modeled and rendered conceptual renovation designs for a residence hall at Ohio Valley University in Vienna, WV for marketing and fund raising literature. Project included conceptual design of a new roof, site rework to allow for additional student parking and walkways and interior design/rendering for modified student housing suites.

Digitally modeled and rendered conceptual designs of a new 5,000 sq. ft. administration/office building. Based on completed construction documents and specifications, the project model was built to accurately illustrate all room/furniture layouts, equipment and fixture placements, exact finish materiality and various levels of task/activity lighting for owner/employee analysis.

Provided ongoing 3D utility routing coordination for a new power generation facility. Responsibilities included modeling of electrical utility components, collection and coordinator of all other contractors' utility models, development of individual concrete lift drawings and class detection analysis.

Developed new entrance and addition layout for a church in Parkersburg, WV. Project included new formal entrance and better ADA access to main sanctuary and reception hall and included spaces for updated bathrooms and church official office spaces.

Modeled and rendered proposed design concepts for modifications to existing conference, hospitality and classroom facilities at several local institutions. Rendering objectives were to aid the owner/public in visualizing construction materials, lighting design, paint selections, furnishings, signage, structure/mechanical system component placement and technical equipment installations. Responsibilities included development of 3D building models, application and adjustment of digital material selections, lighting model development, custom furnishing/equipment modeling and final rendering of design concepts for marketing/communications purposes.

Related Prior Experience

Type

Private

Services

Architectural
Electrical
Mechanical
Plumbing
Structural
Construction
Administration



Pickering Associates was hired by the Historic Colony Theatre Association to provide engineering and architectural design services for the historical renovation of the theatre, working closely with the Theatre Association and grant funding sources as well as the State Historic Review Board to ensure that the project was being designed to meet all necessary requirements.

Our services included architectural, mechanical, electrical, plumbing, structural design and construction administration. Architectural design, for the \$7.5 Million Renovation, included design for a new concession area in the main lobby, modifications to the second floor lobby and rest rooms, a new pump room, and coordination with Copperleaf Interiors for material and color selections.

The project was partially funded through Ohio Historic Tax Credits as well as private donors. The theatre is a cornerstone of Marietta's downtown community and recently was chosen as the location for Governor Kasich's State of the State Address.

Completed December 2015

Contact: Hunt Brawley | 740.373.0894

Type

Government

Services

Architecture

Project
Management

Construction
Administration



The Washington County Public Library contacted Pickering Associates after discovering the need to replace the existing clay tile roof and tin lining in the existing built-in gutter at the Main Branch Library in Marietta, Ohio. The building was built in 1918 and expanded in 1997 to include a second floor and mezzanine. Several repairs have taken place over the years in an effort to extend the life-span of the existing roof and tin lined gutter.

Pickering Associates provided the design services to replace the clay tile roof and tin lining in the built-in gutters in order to provide a long term solution for the Washington County Public Library's roof issues. Additionally, Pickering Associates provided project management, bidding and construction administration services.

Pickering Associates' team performed the field surveying of the existing roof area and recorded relevant information for design purposes, documented the existing conditions required for new design, and inspected the wood roof framing and decking for water damage.

Pickering Associates' architectural team created bid and construction documents. The construction documents consisted of the demolition roof plan and coded notes, new roof plan and coded notes, and roof details pertaining to new roof materials, existing roof materials to remain, built in gutters, roof penetrations, and flashings to convey work to be completed within project scope.

Pickering Associates' project manager and construction administrator reviewed the existing project area and discussed the conditions (known and visible) with the owner. Our project manager/construction administrator created both the AIA front end documents and the roof specifications for bidding the project. Our team distributed the bid packages, scheduled and lead the pre-bid meeting, handled RFI's, scheduled and lead a public bid opening, assisted the owner with contractor selection, scheduled and lead a pre-construction meeting at the site with all involved parties, and scheduled and managed a contract signing/negotiating meeting.

This project was completed September 2013 and on budget.

Type

Government

Services

Architectural

Civil

Survey

Structural

Mechanical

Electrical

Construction

Administrator



Pickering Associates completed a major renovation project at the Marietta City Hall and Fire Department Building on Putnam Street in Downtown Marietta, Ohio. The new building design provided upgrades for the City that would gain the most impact with the least amount of construction dollars. Upgrades were made to City offices, police department and the fire department. The renovation was essential to alleviate space deficiencies and included many upgrades that were necessary for building code and ADA compliance.

Scope of work for the project included upgrades to the Mayor's office suite, relocation of the Auditor's office and Treasurer's Office, relocation of the Police department to provide a more functional space out of the flood plain, and upgrades for the fire department. Some of the major goals that were accomplished for this project include: Addition of a new three-stop elevator that provided ADA access to all levels of the building, new ADA compliant toilet facilities, consolidation of Police department operations for a more functional program, upgrades to all mechanical, electrical, and plumbing systems, a new EPDM roof and exterior upgrades, as well as a new training and meeting room for the current fire department.

Pickering Associates provided conceptual design services and overall master planning for the project, and worked with the various City departments to fully understand the needs of each group. Our architects and engineers also assisted the City with many presentations to City Council and various City committees, in order to provide an understanding of the project scope and anticipated construction budget. These presentations were important for the project to gain City and Community acceptance and approval before progressing into construction. Once approved, construction drawings were prepared, and Pickering provided full Bidding and Construction Administration services for the project - including constructibility reviews and project inspections for the City throughout the duration of the project.

Design was completed December 20, 2013. Construction was complete by October 2014.

Contact: Eric Lambert, City Engineer | 740.373.5495 | ericlambert@mariettaoh.net

Type

Private

Services

Structural

Civil



The Ritchie County Historical Society received grant funding to complete repairs to The Old Stone House (OSH) including the Boarding House. Pickering Associates analyzed the structures and found repairs were needed on the ground floor and roof of both the OSH and Boarding House.

Pickering Associates provided the civil and structural engineering design services for the project. Our team prepared construction drawings, specifications, and a cost estimate for the client, as well as bid documents.

The engineering scope of the Old Stone House Rehabilitation included investigating the possible reconstruction/repair/reinforcement options and materials for roof and ground floor structures, designing the reconstruction/repair/reinforcement details as related to the structures, investigating crawlspace ventilation options, designing site grading and drainage as related to foundation moisture.

This project was completed on time and within budget.

Type
Education

Services

Structural
Architectural
Construction
Administration



Schools has contracted with Pickering Associates over each of the last five years to prepare bidding and construction documents for roof replacements at several schools throughout Wood County. The County determined priorities for replacement and edge repair and worked with Pickering Associates each year to design, bid, and construct roof replacement as it fit within their maintenance budget.

To date, seventeen roofing projects have been completed, totaling over 634,000 SF and another six are currently being designed for construction in the summer of 2018 that total over 323,000 additional square feet. Wood County has also contracted with Pickering for their 2019 roof replacement projects that will be designed in 2018 and ready for bidding and construction prior to the summer of 2019. These additional roof projects encompass twelve buildings and over 317,000 SF.

Although there are various types of existing roof construction throughout the buildings in the County, many of the replacements were ballasted membrane systems over various types of decking. The majority of the new roof construction was based on new fully-adhered 90 mil EPDM roof systems with 2" polyiso board insulation, and many of the projects included replacement of all edging, gravel stops, flashing and associated blocking and decking as required, due to damage. Various overhangs and canopies were also re-roofed or replaced depending on structural integrity as part of these projects. New equipment rails for misc. equipment and ductwork were included as well as various exhaust vent curbs required to meet warranty and maintenance requirements.

Contracts each year were typically awarded to Pickering Associates in early Spring, requiring the design process to be fast-tracked, so that bidding and contracting could be performed in time to begin construction as soon as school dismissed for summer vacation at the end of May. The projects were bid as separate contracts allowing the County to use multiple contractors, ensuring that all work could be completed over the summer break.

Pickering performed all design, bidding services, and construction administration for the County to ensure that all work was performed in compliance with the construction documents and per manufacturers recommendations for warranty purposes.

Project Owner: Wood County Schools

Reference: Gary Cooper, Wood County Schools
304.420.9568
gcooper@access.k12.wv.us

Wood County K-12 Projects the firm has provided Design Services on over the past 5 years.

- Wood County Schools - Williamstown Elementary School New location Design
- Wood County Schools - Parkersburg High School Roof Replacement
- Wood County Schools - Parkersburg South High School Field House Roof Replacement
- Wood County Schools - Parkersburg High School Field House Roof Replacement
- Wood County Schools - Parkersburg South High School Building 3 Column Repair
- Wood County Schools - 2014 Roof Repairs and Replacements (Various Schools)
- Wood County Schools - Structural Roof Evaluation at various Wood County Schools
- Wood County Schools - Lubeck and Jackson Roof Replacement
- Wood County Schools - Criss and Gihon Roof Replacement
- Wood County Schools - Jefferson Gym Roof Replacement
- Wood County Schools - 2015 Roof Repairs (Various Schools)
- Wood County Schools - 2016 Roof Repairs (Various Schools)
- Wood County Schools - 2017 Roof Replacements (Various Schools)
- Wood County Schools - 2018 Roof Replacements (Various Schools)
- Wood County Schools- Hamilton Middle Brick Repairs
- Wood County Schools - McKinley Elementary Ceiling Replacement

Type
Private

Services
Architectural
Mechanical
Electrical
Structural



Peoples Bank in Marietta renovated several areas of its main office branch building complex and contracted with Pickering Associates to provide the architectural, mechanical, plumbing and electrical design for the project. The areas of renovation were designed in two phases and bid as two separate packages with multiple construction phases to ensure employees were not majorly inconvenienced by the renovations.

The first bid package and phase one design included renovating approximately 2,300 square feet of vacant storage areas on the south side of the building into new staff offices and 5,580 square feet of renovation area on the first floor for offices.

Phase two design included renovations to approximately 6,800 square feet of space on the north side of the second floor. The area was occupied by staff offices/areas and now features the company's executive suite, wire transfer, accounts payable, deposit operations and document scan. This phase also featured renovations on the first floor of approximately 4,280 square feet for training, consumer credit and user support. An area encompassing approximately 5,600 square feet of the fourth floor was also renovated for items processing, credit, special assets collections and the statement rendering group. Lastly, 1,660 square feet of the first floor was renovated the marketing department.

Type

Education

Services

Architectural

Civil

Structural

Mechanical

Plumbing

Electrical

Construction

Administration



Marietta College and Pickering Associates have established a productive working relationship over the years. Through the various projects, Pickering Associates has been able to provide the college with numerous successful projects. A few of them are below:

Physician's Assistant Building Renovations: Marietta College purchase a local building in downtown Marietta which was previously used as a bar and social hall. Pickering Associates provided design documents for this three story 21,000 sq. ft., building which would provide additional academic space. The program required the following areas: offices, conference rooms, toilets, classroom for 40 students, clinical instruction space with 18 exam tables, clinical exam rooms, computer room, student break-out rooms and student break and locker area.

Pickering Associates was contracted to renovate both dining halls on campus using the Owner's cafeteria/food service consultant. The project involved all new architectural finishes, mechanical systems, plumbing systems and upgraded electrical systems. Construction took place over the summer and was complete before the return of students.

With the increase in technology and it's subsequent electrical demands having increased since most buildings on campus were built over 100 years ago, it became increasingly necessary to conduct an Electrical Reliability Study. Subsequently, Pickering Associates engineered the electrical upgrade which included new primary distribution equipment and electrical feeders.

Due to aging conditions and a desire to meet ADA requirements, Pickering Associates provided design documents to upgrade the bathrooms in Mary Beech, Elsie Newton, Marietta and Webster Halls. In addition to new water supply, drain, waste and vent replacement in these multi-floor residence halls, renovations focused on new fixtures and interior updates such as tile, counter tops, partitions and other accessories.

- Type
- Education
- Services
- Project Management
- Architectural
- Civil
- Mechanical
- Plumbing
- Electrical
- Structural
- Construction
- Administration



The Wood County Board of Education requested a study of Edison Middle School in order to submit a 'Needs' proposal to the SBA for obtaining grant funding for the project.

Proposed project includes various renovations and an addition to the existing Middle School, for added security and fire code compliance. A small addition was added to connect the two existing buildings on campus, and was designed to contain five additional classrooms that assist in alleviating their current classroom space deficiencies. The addition also provides a safer, enclosed walkway between buildings for both students and staff.

The project provides much needed assistance for health and safety concerns as follows:

- The enclosed walkway addition provides a covered and secure access for students and staff between existing buildings. Currently, the students and staff are routinely required to travel outside through an insecure, open area, to traverse from the main building to the building that contains additional classrooms, music, band, and cafeteria areas.
- Minor renovations and additions at the main building entrance of the school create a reception area large enough for visitors and principal's office. This addition, along with minor interior renovations, allows for reconfiguration of the entrance area that includes a safer controlled access into the building, monitoring of activities, and privacy for staff and students.
- Provides a sprinkler system for the existing building to comply with West Virginia State Fire Code. This sprinkler system allows for a safer environment for the students and staff by providing a safer egress from the building in the case of a fire.

Pickering Associates provided a Needs Submittal for this project outlining the needs and current deficiencies at the Middle School which included a preliminary cost estimate for the proposed project. Exploring the campus areas through 3D visualization software, we were able to better communicate with our client throughout the process. The 'Needs' proposal was completed by Pickering and approved by the SBA upon review.

The total construction cost for this project is \$2.1 million, this is \$700,000 under budget.

Type

Higher Education

Services

Architecture,

Electrical

Structural

Mechanical

Construction Administration,

Project Management



Washington State Community College and OFCC engaged Pickering Associates to assist in replacing the membrane roofing systems on two existing buildings at their campus on Colegate Drive in Marietta, Ohio. The two buildings to be replaced were the Arts & Science Building and the Library Building. A design alternate was provided for replacement of an existing HVAC Roof-Top Unit on the Library building. Structural design was limited to portions of the Arts & Science Building at or above the roof level as required for roof replacement. The new roof replacement design incorporated a new 30-year, adhered EPDM roofing system with an R30 total insulation value to meet current code. The project was designed in conjunction with the needs of Washington State Community College and OFCC and is being locally administered. The team is utilizing OAKS CI as needed for this project.

Type

Healthcare

Services

Architectural

Electrical

Civil

Mechanical

Plumbing

Structural

Construction

Administration



Pickering Associates worked with the Client to renovate the entire fourth floor of the main hospital at their Memorial Campus location. This project included renovations to approximately 19,600 SF at the north tower, east wing and west wing. Additional patient rooms were added to this floor to achieve a unit with 33 private acute care patient rooms, 10% of these rooms were be required to be ADA compliant. The project also include provisions for a physical therapy gym and joint camp, ADL training and occupational therapy room, nurse stations, work alcoves, clean utility, soiled utility, nourishment, medication rooms, storage rooms, central bathing facilities, offices, staff locker rooms, and various other support spaces as required by the functional program.

Finishes on this floor were updated to give the unit an overall renewed and unified appearance, and exterior windows within the project area were replaced. Design consisted of architectural, mechanical, electrical, and plumbing engineering for the renovations. This project was constructed in two phases to allow the physical therapy staff to relocate prior to completion of the overall project, in order to free up their existing space for another renovation that needed to begin.

Type

Healthcare

Services

Architectural

Electrical

Mechanical

Plumbing

Structural

Construction
Administration



Camden Clark Medical Center contracted with Pickering Associates to construct a new addition for two new operating rooms above an existing Cath Lab Mechanical Room in the OR Suite. The exterior of the building was designed match the adjacent building to provide a consistent look to the facility, and the new spaces were to match the South Tower Operating Rooms in features and amenities. Each room was approximately 600 sq ft in area and the new Operating Rooms were placed in a location that allowed for the best overall flow of the department.

Pickering Associates provided professional services for project management, structural, architectural, mechanical, plumbing, electrical design, bidding services, and construction administration services for the project.

Type

Healthcare

Services

Architectural

Civil

Electrical

Mechanical

Plumbing

Construction

Administration

Project

Management



Pickering Associates worked with Camden Clark Medical Center to provide a new 1,130 SF retail pharmacy in an area of the former emergency department on the ground floor of the main hospital building.

The renovation area for the retail pharmacy was designed as one large space that included areas for customer drop off and pick up, a small private consult room, a will-call/holding area, a prescription filling area, inventory work space, shelving for inventory, and a packing area. The scope of work included architectural and engineering services as well as limited construction administration. Bidding was handled by the client and negotiated with a local contractor for purposes of meeting a tight time schedule. Pickering was able to provide an accelerated design for the client so construction could begin to meet the Client's required move in date of January 1, 2018.

The design of this project was coordinated with the Client and their pharmacy consultant, Sean Daniel, with Danco Medical Systems. Pickering coordinated permitting with the State Fire Marshal's office and OHFLAC. No issues were encountered.

Project was completed in December of 2017.

Contact for this project

Barry Justice | 304.424.2287 | bkjustice@ccmh.org

Type

Government

Services

Structural
Architectural

Contact

Kristpher R. Wilcoxon

P) (304) 993.0480



E) Kristopher.R.Wilcoxon@wv.gov

Pickering Associates was hired by the West Virginia Department of Health and Human Resources, the Bureau for Behavioral Health & Health Facilities to conduct a phased project for Masonry Repairs for the Eastridge Health Systems facility in Martinsburg, WV. As part of the schematic design and design development phase, Pickering's team developed a Building Structural Assessment in order to develop the preliminary designs for the clients renovations.

Pickering Associates used 3-D scanning, surveying and hands on inspection of the complete building exterior. The inspection defined the scope of the project. 3-D scanning provided a quantitative and qualitative profile of the building's exterior elevations. Base Map (aerial image) of site and surrounding area. As well as a minimum of 3 permanent control points, coordinates. As apart of the inspection a cursory survey was performed to develop the limits of the project site. This information will be used to develop the contractor's site plan. The contractor's site plan will show lay down areas for material storage and facilities. The contractor site plan will show where the contractor can work while the building is occupied. It will detail the facilities egress requirements.

When Pickering Associates presented their findings to the Client, they were able to work together on developing a scope of work to repair the issues in order to meet their budget of \$250,000. The project is currently still in design and development stage and is set to be completed in 2020.

Type

Industrial

Services

Architectural

Structural

Electrical

Mechanical

Plumbing

Civil

Construction

Administration



When this major plastics manufacturer expanded its operations to Mineral Wells, WV from Vernon, California, Pickering Associates was there to provide the necessary professional design support. This company is a leading producer of PETE thermoformed packaging and is now a leader in recycling plastic.

Phase V included an new 80,000 square foot pre-engineered metal building addition to an existing concrete tilt-up panel production and warehouse facility. This facility contains a state-of-the-art plastics recycling process including specialized lab and all associated equipment designs from 2 highly specialized vendors. The new design incorporated 6 elevated truck docks and one truck dock 20 x 20 with Earth ramp for heavy machinery access into building. The building will also contain office areas, restroom facilities, Q/A lab, shipping area, locker room, and a break room.

A packaged wastewater treatment plant was incorporated and housed into the facility allowing the recycled process water to be handled through a specialized trench system.

All utilities in the demolition and underground utility design package interfaced with the building boundaries. An electrical package was developed for 480 volt distribution. After completion of design for the building and utilities, Pickering Associates provided an equipment plan and utility tie-in for equipment purchased by PWP.

Coordination among all design professionals involved provided a unique opportunity to strengthen relationships among client, vendors and other partners in this state-of-the-art facility.



References



Marietta College

Letter of Reference

Since 1999, Pickering Associates has been Marietta College's local "go to" electrical design and full service architect-engineering firm for both new construction and renovation. Following are the more significant projects that they have completed for me:

- Master Plan and design for the upgrade and extension of underground high voltage distribution system. This work was completed in four phases to support five major construction projects. Pickering Associates coordinated design effort, design schedule, and phased completion of work with five different lead architect firms. Their effective communications with the firms outside this region and with local permit and building authorities resulted in no change orders or schedule delays attributable to their effort.
- Life Safety Upgrades to Dorothy Webster Residence Hall. Retrofitted emergency lighting, general lighting, fire detection and alarm system into a three story, 17,000 square foot building constructed in the 1870's.
- Residence Hall Restroom Renovations. Designed the repair by replacement of restroom fixtures, ventilation, shower enclosures, partitions and finishes in five residence halls.
- Gilman Hall and Andrews Hall Food Service Renovations. Designed the electrical and lighting and HVAC systems for a \$2 million renovation of two kitchens and student dining areas.

On all these projects Pickering Associates controlled costs without compromising the quality of the final product. What I most appreciate is the level of effort that all disciplines put into their on-site investigation during the planning and programming phase. When you have a tight budget established by your Board of Trustees and a tight schedule driven by the return of students, this additional effort can reduce change orders that will cost time and money.

In my opinion, because of the high quality of their plans and specifications, Pickering Associates has an excellent professional reputation in the general contractor community so, as an Owner, I feel like a get the advantage of the most competitive bid.

Please feel free to contact me at (740)-376-4367 for any additional information that may help you select the most qualified firm for your work.

Sincerely,

Fred R. Smith, PE
Director, Physical Plant

CHARTERED IN 1835

215 Fifth Street • Marietta, Ohio 45759-4031 • Phone: 740.376.4000 • www.marietta.edu

Come grow with us!

May 19, 2016

To Whom It May Concern:

Pickering Associates worked with Polymer Alliance Zone, Inc. on our 80,000 square foot pre-engineered warehouse building at Polymer Technology Park in Davisville, WV. The project was funded through WV Economic Development Administration (WVEDA) and the Infrastructure Joint Development Council (IJDC).

From initial project planning, design development and bidding, through contracting, construction administration and closeout, Pickering Associates was beside PAZ to provide any necessary support needed to make this project successful. Their professional team of Architects, Designers and Engineers, worked closely with our staff to make sure the design accommodated all of our needs.

It has been a pleasure working with the staff at Pickering Associates, and I would not hesitate to recommend them for projects of any type and magnitude. I continue to look forward to our future working relationship with their team.

Sincerely,



Karen Facemyer
President/CEO
Polymer Alliance Zone, Inc.



**Physical Plant Department
Wood County Schools Maintenance
4701 Camden Avenue
Parkersburg, WV 26101**

**Phone: 304-420-9568
Fax: 304-420-9570**

January 10, 2019

To: Whom It May Concern

Subject: Customer Reference – Pickering Associates

Wood County Schools continues to contract with Pickering Associates in 2019 as they have for the past several years. Pickering Associates continues to deliver a quality product with excellent results.

In 2018 Pickering Associates continued to support the Williamstown Elementary construction project which is currently on schedule to be completed in 2020.

In 2018, the firm designed and oversaw the completion of 300,000 square feet of Wood County Board of Education roofing projects.

In 2019 Pickering Associates designed and will oversee the completion of 200,000 square feet of Wood County Board of Education roofing projects.

In 2018 Pickering Associates also completed the design of handicapped accessible bathrooms for Jackson Middle School and will assist with the oversight of the addition in 2019.

In 2018 Pickering Associates also completed the design and will assist in the oversight of the addition to Erickson Field Sports Facility bathrooms and concessions in 2019.

It has been a pleasure to work with Pickering Associates. I would not hesitate to recommend the Pickering Associates team to provide excellent design and oversight to any level of construction project.

Sincerely,

Martin Best

Physical Plant Director



Mayor
Randall C. Rapp

Recorder
Cathy Smith

City Council
Roger Bibbee
Jim Miracle
Bruce Rogers
Steve Stephens
Tom Azinger

April 18th, 2016

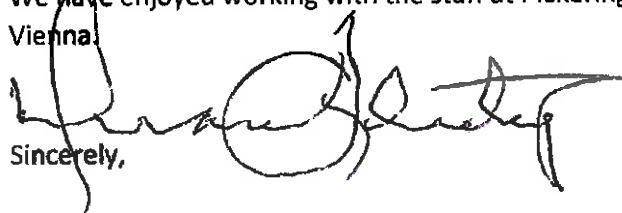
To whom it may concern,

Pickering Associates has worked with the City of Vienna on our Police Department Annex, Volunteer Fire Department, and Senior Center, as well as multiple other projects over the past several years, providing Architectural, Engineering and Surveying services for the city.

From initial project planning, design development and bidding, through contracting, construction administration and closeout, Pickering Associates has been beside the City of Vienna to provide any necessary support needed to make the project successful. Traci Stotts, Ron Arnold, and other Architects, Designers and Engineers, worked closely with our staff to make sure the design accommodated all of our needs.

Pickering Associates has consistently completed projects for us satisfactorily. Their team clearly exhibits a thorough understanding of the bidding and construction administration process, which makes for smooth-running projects.

We have enjoyed working with the staff at Pickering Associates and appreciate their work for the City of Vienna.

Sincerely,




June 1, 2018

To Whom It May Concern:

I am writing to recommend the professional services we receive from Pickering Associates. Mark Mondo Building and Excavating has worked with Pickering Associates for many years. We have always received prompt, professional, collaboration, and insight when working with them. From simple phone call Q & A, to full service project management, and the myriad of negotiations and regulations of a project, Pickering Associates delivers the services that keep us building projects, year after year. As complicated as a project can be, it is good to know that so many disciplines are so well represented in one firm.

As a regular user of their output, I find that their construction documents to be second to none. Their attention to detail and clarity of presentation is so important when trying to convey the design of a project. Better drawings mean better projects. Simple as that.

A handwritten signature in black ink that reads 'John H. Anderson'.

John H. Anderson
Project Manger | Business Development
Mark Mondo Building and Excavating
740-376-9396
740-236-6006 Mobile
john@mondobuilding.com



March 22, 2018

Traci Stotts
Pickering Associates
11283 Emerson Avenue
Parkersburg, WV 26104

Dear Traci,

On behalf of the College, I would like to thank you and the entire team at Pickering Associates for the outstanding care provided to us during our recent Kitchen Renovation project. The team you spearheaded provided exceptional design services in architectural and engineering for the renovations of our Kitchen and Food Service Prep Areas. We selected Pickering Associates for their expertise and project management skills and also for their ability and willingness to complete the project within our limited time frame.

Our project required Pickering Associates work with several College and kitchen staff to understand the design intent of the area being renovated, as well as the vision of the leadership of the College. Although the project was unpretentious in the area, it included many aspects that required specific architectural, electrical and mechanical expertise and design. In addition, the aesthetic flow of surrounding areas was needed. We are grateful for the way all these items were addressed.

Above average and uncommon performances by your team included most importantly the listening and addressing of our needs for this project. The guidance and recommendations provided, which required a high level of extra time and involvement by each member of the team including architects, engineers and support staff, were immeasurable.

We are also very appreciative that the design team was able to provide the architectural and engineering services for our project that were necessary to obtain the required permits. Those activities were again within an extremely tight and uncommon time frame. Once again the team was able to effectively coordinate with numerous authorities having jurisdiction and obtained the approvals that were necessary for the construction to start.

We have enjoyed working with the entire Pickering team and are looking forward to future projects with you and your organization.

With sincere gratitude,

A handwritten signature in blue ink that reads "Jess N. Raines".

Jess N. Raines

JESS N. RAINES, CPA
VICE PRESIDENT OF FINANCE & OPERATIONS
TREASURER

DIRECT 740.885.5621
FAX 740.374.9562
jraines@wscce.edu



222 1/2 Putnam Street, Marietta, Ohio 45750
740-373-0894 - info@hipp1919.com
www.peoplesbanktheatre.com

May 23, 2016

Re: Pickering & Associates Letter of Recommendation

To whom it may concern:

Pickering & Associates was the Architect and Project Manager for the restoration work at the Colony Theatre Rehabilitation project (recently renamed The Peoples Bank Theatre) which was completed in December of 2015. This was a \$7.5 million theatre restoration project which needed to comply with the National Park Service standards for historic rehabilitation as we used both the Federal and Ohio State historic tax credits as part of our funding package.

As the Development Director of the Hippodrome/Colony Historical Theatre Association and now Executive Director, I worked closely with Project Manager, Ron Arnold, but also many other members of the Pickering team. They provided architectural services, as well as engineering work for some of the more complicated electric and HVAC work at the theatre.

In all instances they were responsive to our needs and diligently managed the construction work, keeping in mind the need to comply with historic preservation standards.

I am happy to answer any questions in the future and can recommend them highly for projects of similar scale and construction features.

Sincerely,

A handwritten signature in black ink, appearing to read "R. Hunt Brawley".

R. Hunt Brawley, J.D.
Executive Director



CAMDEN CLARK MEDICAL CENTER

800 Garfield Avenue
P.O. Box 718
Parkersburg, WV 26102
304-424-2111

July 9th, 2018

To Whom It May Concern,

Pickering Associates has been involved in numerous projects at Camden Clark Medical Center over the years, including a new hospital expansion project to include emergency department and 30 bed inpatient unit, pharmacy relocation, catheterization lab expansion and renovations, multiple patient room area renovations, imaging area renovations, and various other projects. The Architectural, Engineering, and Construction Administration services they provide have proven to be a wonderful complement to our own administrative professionals. Pickering Associates often provides initial project planning, design development, bidding, contracting, construction administration and closeout.

We like the fact that these professionals are a local company. They are aware of the community dynamics, and are in-tune to the users of our facility and most of all they are a true stakeholder in our success. Pickering's project managers and construction administrators are well experienced and provide professional overview of our projects.

Pickering Associates has consistently completed projects for us on time and within budget. Their team has provided us with quality bidding/construction drawings and specifications allowing us to receive accurate bids, which in turn, allows us to move ahead expeditiously from bidding to contracting.

It has been a pleasure working with the staff at Pickering Associates, and I would not hesitate to recommend them for projects of any type and magnitude. I continue to look forward to our future working relationship with their team.

Sincerely,

A handwritten signature in black ink that reads 'Barry K Justice'.

Barry K Justice
Director of Engineering
Camden Clark Medical Center
WVU Medicine

ADDENDUM ACKNOWLEDGEMENT FORM

SOLICITATION NO.: CE01 0211GSD 1900000004

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

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


Addendum Numbers Received:

(Check the box next to each addendum received)

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

I understand that failure to confirm the receipt of addenda may be cause for rejection of this bid. I further understand that any verbal representation made or assumed to be made during any oral discussion held between Vendor's representatives and any state personnel is not binding. Only the information issued in writing and added to the specifications by an official addendum is binding.

Pickering Associates
Company


Authorized Signature

2/14/19
Date

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