Convenience Copy

West Virginia Army National Guard
Construction and Facilities Management Office

CEOI 0603 ADJ1900000005

Camp Dawson
Barracks Building 246 Renovations

McKINLEY
ARCHITECTURE + ENGINEERING

in association with:

STAFFORD CONSULTANTS INCORPORATED
Engineering Design and Consulting

&

POTESTA
Engineers and Environmental Consultants

McKINLEY
ARCHITECTURE + ENGINEERING

27 August 2018

Stephanie L. Gale
Department of Administration, Purchasing Division
2019 Washington Street East
Charleston, WV 25305-0130

Dear Ms. Gale and Members of the Selection Team,

McKinley Architecture and Engineering, Stafford Consultants, and Potesta & Associates (McKinley Team) have teamed up again, and are pleased to provide the West Virginia Army National Guard, Construction and Facilities Management Office with our Expression of Interest to provide professional architectural/engineering services to design and develop construction documents to fully renovate Barracks Building 246 at Camp Dawson, which was designed and constructed in the early 1960's and is in need of upgrades. As you review this submission, we emphasize the following strengths of the McKinley Team with respect to your projects:

McKinley Architecture and Engineering (*McKinley & Associates*) is a full-service architectural and engineering firm that been providing design services since 1981. With offices in Wheeling and Charleston, WV and Pittsburgh, PA, we support a professional staff of **Architects, Engineers, Construction Administrators,** a certified **Interior Designer, LEED Accredited Professionals specializing in Building Design and Construction**, an **HVAC Qualified Commissioning Process Provider**, and more. We are proud to be a partner with you, the West Virginia Army National Guard, on multiple projects, including buildings at Camp Dawson. We are now very eager to continue working with you and bring our experience to this project!

Stafford Consultants, Inc. our **Structural and Civil Engineering consultant**, was founded in 1985 in Princeton, WV. Stafford currently employs a total staff of eighteen, including five registered professional engineers. McKinley & Associates has utilized the services of Stafford Consultants on **dozens** of projects across the State, and in multiple sectors of business; these projects range from new construction to additions and renovations.

Potesta & Associates, Inc. is our **Geotechnical Engineering Consultant.** They were founded in 1997 to provide quality engineering and environmental consulting services to a wide variety of private and public clients in West Virginia and the eastern United States. They have now grown to a large and very diverse staff that includes geotechnical, environmental, mining and chemical engineers, Licensed Remediation Specialists, surveyors, toxicologists, ecologists, geologists, hydrogeologists, occupational safety and health specialists, and much more.

The Maxwell Centre - Suite 100 / Thirty-Two Twentieth Street / Wheeling, West Virginia 26003
Phone 304-233-0140 / Fax 304-233-4613 / www.McKinleyDelivers.com / edellatorre@mckinleydelivers.com

In closing, one of the more exciting aspects of our job is **listening to YOU**, our client, in how you envision your projects, and **transforming your ideas into realities.** This can only be accomplished by effectively working together with you. Most of our clients are repeat, which is a good indication of the services we provide. The main reason we have been able to maintain this relationship is because **we LISTEN to their needs, and then deliver**. We are committed to each of our projects. We encourage you to speak with our references because we feel this is the best way that our abilities can be conveyed to you.

We love what we do, so we care about the results you get. We are ready to begin **immediately** and will **meet all your Goals and Objectives.** Thank you for reviewing our submission and considering the McKinley Team for your projects.

Personal Regards,

Ernest Dellatorre
President
McKinley Architecture and Engineering
(304) 233-0140
EDellatorre@McKinleyDelivers.com

McKINLEY
ARCHITECTURE + ENGINEERING

"Vendors will provide information regarding its employees, such as staff qualifications and experience in completing similar projects ...

First and foremost, the McKinley/Stafford/Potesta Team can state that our large professional staffs will devote the talent and time necessary to provide the West Virginia Army National Guard, Construction and Facilities Management Office with a successful project.

The McKinley/Stafford/Potesta Teams' portfolios include **multiple relevant projects**; examples of which you will see later in our proposal. Together, our Team will handle all of the **goals and objectives** of your project, including **engineering and architectural services, a new instantaneous domestic hot water system, a new and more efficient heating and cooling system, complete restroom renovations, new and more efficient windows, new exterior and interior doors, new interior and exterior LED lighting for the entire building, bringing the entire building and all mechanical systems to current building codes, repairs for the building structure, first floor ceiling, second floor flooring, addressing freezing domestic water lines in attic space, geotechnical work including any necessary drill borings, utilities, road infrastructure, and more.**

If the **McKinley Team** is chosen for these projects; **we are available to start immediately upon our being selected, and will provide the necessary hours to complete your project on time.** In addition to those key team members whose resumes are on the upcoming pages; **we can also attribute more professionals from our various trades**. The technical **depth** of our professional staff indicates that these projects can be accomplished without overloading our group or computer graphics systems.

McKinley/Stafford/Potesta all have multiple licensed **Professional Engineers** (PEs), who are licensed in West Virginia:

- **McKinley Architecture and Engineering** is an **A/E firm** that employs a staff of registered **Professional Engineers** and engineering designers in the **MEP** fields, has **multiple licensed Architects** and architectural designers, and more.

- **Stafford Consultants** employs a total staff of 25, including 6 registered **Professional Engineers**. They provides services in **Structural, Civil, Site,** Stormwater, Highway, Bridge, Airport, Environmental, and Sanitary Engineering.

- **Potesta & Associates** is a full service **engineering** and **environmental** consulting firm that employs more than 80 experienced engineers, scientists, and support personnel. They will provide **Geotechnical Engineering**.

On the following pages are resumes of the employees, along with firm corporate information, for all three firms.

Christina Schessler, AIA, LEED AP BD+C

Architect / Specialized LEED Accredited Professional

EDUCATION:

The Pennsylvania State University
Bachelor of Architecture - 1988

Savannah College of Art & Design (SCAD)
Masters Degree in Historic Preservation - 2012

PROFESSIONAL AFFILIATIONS AND REGISTRATIONS:

Registered Architect in:
Ohio
Pennsylvania
Virginia
West Virginia

NCARB Certificate - 2005

LEED® Accredited Professional

Member:
American Institute of Architects
City of Wheeling - Building Codes Board of Appeals
Preservation Alliance of West Virginia
The Association for Preservation Technology International

Board Member:
Friends of Wheeling Historic Preservation Group

Treasurer:
Wheeling Collegiate Alumnae

Former Member, Board of Director, & Treasurer:
The Midwife Center for Birth & Women's Health / Pittsburgh, PA

PROFESSIONAL EMPLOYMENT:

McKinley & Associates
Wheeling, WV (2004 to present)

MacLachlan, Cornelius & Filoni Architects
Pittsburgh, PA (1999-2004)

Perfido Weiskopf Architects
Pittsburgh, PA (1996-1999)

T.L. Cox & Associates
Beaver, PA (1990-1996)

Valentour English Bodnar Architects
Mt. Lebanon, PA (1989-1990)

Kenny Williams & Williams Building Diagnostics
Maple Glen, PA (1988)

SUMMARY OF EXPERIENCE:

For nearly 30 years, Ms. Schessler has obtained a wide range of **architectural** project experience in **governmental, emergency service,** commercial/office, forensic, medical, educational, and residential projects. She has had the opportunity to participate in the design of a few uncommon building types, such as a fire fighting training center, funeral homes, and animal research facilities to name a few. Ms. Schessler is adept at developing space and utilization programs with Clients who are unfamiliar with the architectural design process. As a **LEED Accredited Professional specializing in Building Design & Construction**, Christina will also be able to provide direction to your project to develop a design that includes energy efficiency. She completed her Masters in **Historic Preservation**, and has a passion for **renovation**, restoration, and modernization projects. For Independence Hall and Bennett Square, she won Heritage Tourism Awards from the Preservation Alliance of WV. She has also won other design awards for WV and PA projects.

NOTABLE PROFESSIONAL EXPERIENCES:

Wheeling Island Fire Station

WVU State Fire Training Academy at Jackson's Mill

United States Postal Service - 2 Open-End IDIQ contracts / multiple projects in West Virginia and Pennsylvania

Steel Valley Regional Transit Authority Administrative and Maintenance Complex renovations

Sisters of St. Joseph housing complex

Harbor Point Housing renovations

Valley Ambulance addition

Panhandle Cleaning & Restoration Warehouse & Offices

Bennett Square Office Building - 3 Phases of renovations

Wagner Building - multiple renovation projects

Ft. Henry Building - multiple phases, several renovations

Franciscan University Multi-Tenant Buildings OP #1 & OP #2

Cornerstone Group - new Highlands Office

The Towers Building multiple renovations

Jefferson County Board of Elections office renovations

West Virginia Independence Hall historic preservation

Grave Creek Mound Museum renovations

Harrison County Courthouse

Wheeling Island Hotel•Casino•Racetrack multiple projects

Braxton County Senior Citizen Center

Lincoln National Bank

Tim E. Mizer, PE, RA, QCxP

Architectural Engineer / Architect / Qualified Commissioning Process Provider

Director of Engineering

EDUCATION:

Kansas State University
B.S. Architectural Engineering - 1983

University of Cincinnati
Architecture

PROFESSIONAL AFFILIATIONS AND REGISTRATIONS:

Registered Engineering In:
West Virginia
Ohio

Registered Architect in:
Ohio

Qualified Commissioning Process Provider

PROFESSIONAL EMPLOYMENT:

McKinley Architecture and Engineering
Director of Engineering
Architect / Engineer / Commissioning
Wheeling, WV (1995 to present)

M.C.C. Engineering
Director of Design
Columbus, Ohio (1988-1995)

Schooley Caldwell and Associates
Electrical & Mechanical Design
Columbus, Ohio (1986-1988)

Mizer Design
Free Lance Architectural Engineering Design
Columbus, Ohio (1985-1986)

Envirotek, Inc.
Drafting and Electrical & Mechanical Design
Raleigh, NC (1984-1985)

SUMMARY OF EXPERIENCE:

The engineering will be led by Tim E. Mizer, PE, RA, QCxP, who is an **Architectural Engineer**, an **Architect**, and a **Qualified Commissioning Process Provider**. He joined McKinley Architecture and Engineering in 1995, and has over 30 years of experience. Mizer's background as both an Architect and Engineer has provided him with a total understanding of the engineering components and the process necessary for integrating architectural design and building systems. Furthermore, as a **qualified commissioning process provider**, he has been formally trained to fully understand how integrated HVAC systems function and how systems interface with others to run your building efficiently. As the Director of Engineering, Tim's presence is a key to the design procedures required to coordinate the functionality of the engineering systems into the aesthetics of a building space. He has worked on many relevant projects, such as building assessments, office buildings, tenant fit-outs, energy efficient projects, and more.

NOTABLE PROFESSIONAL EXPERIENCES:

West Virginia Army National Guard - multiple projects, including AASF#1 Hangar renovations, statewide SPCC Certifications, new Mountaineer ChalleNGe Academy, and new Multi-Purpose Building at Camp Dawson

United States Postal Service - multiple post offices in WV and PA, from our 2 IDIQ contracts. Also designed over 100 Post Offices throughout West Virginia for ADA compliance.

West Virginia State Police - worked on multiple projects from our 3 consecutive Open-Ended A/E Services contracts, including renovations and new detachments. Also surveyed, reviewed, projected, budgeted, and documented 72 police facilities State-Wide.

Building 55: WV State Office Building Complex in Logan (LEED Certified)

Building 34: West Virginia State Office Complex In Weirton

Wheeling Island Hotel•Casino•Racetrack multiple projects

WVU State Fire Training Academy

Wheeling Island Fire Station

WVDHHR's new Ohio County office fit-out

Orrick's Global Operations Center office building fit-out

Maxwell Centre office building fit-outs

Bennett Square office building fit-outs

Wagner Building office building fit-outs

Marshall County Schools - Hilltop Elementary (LEED Certified)

Cabela's Eastern Distribution Center ($40 million / 1.2 million SF)

The Silver Companies' Moss Neck Farm Storage Building

West Virginia School Building Authority - dozens of school renovations and new construction projects across the State

Parkview Vehicle Storage and Maintenance Garage

Bruce A. Kennedy, PE

Electrical Engineer

EDUCATION:

The University of North Dakota
B.S. Electrical Engineering - 1975

DeVry Institute of Technology

MILITARY SERVICE:

US Air Force - Honorable Discharge

PROFESSIONAL AFFILIATIONS AND REGISTRATIONS:

Registered Engineer

PROFESSIONAL EMPLOYMENT:

McKinley Architecture and Engineering
Electrical Engineer
Wheeling, WV (2018 to present)

Advanced Electrical Simulations LLC
Owner/Principal Engineer
Spring, TX (2014 to present)

Cameron International
Principal Electrical Engineer
Houston, TX (2011-2014)

SUMMARY OF EXPERIENCE:

Mr. Kennedy has been an **Electrical Engineer** since 1975. He is an experienced power electronics/electrical systems design engineer with extensive electrical simulation experience using ETAP, SKM, EasyPower and PSIM. He personally owns and maintains ETAP license. He has completed electrical system designs for industrial, office, medical, educational, retail construction, and more.

NOTABLE PROFESSIONAL EXPERIENCES:

WVDOT, Division of Highways - District 6 Moundsville Headquarters

The Towers Building renovations

Wetzel County Schools - Valley Field House

Harrison County Schools - Johnson Elementary School

Facilities arc-flash, short-circuit fault, protective device coordination, load flow and harmonics studies.

Facilities electrical system existing conditions, code compliance and problem solving surveys.

Drilling rig short-circuit fault current, protective device coordination, load flow and harmonics studies.

Application of NEC, IEC and ABS standards to mobile offshore drilling rig electrical systems.

Computer data center electrical system design and onsite project management.

Data center short-circuit fault current, protective device coordination and arc-flash studies.

Electrical system designs for medical, industrial, office and retail construction.

Building load analyses, emergency generator sizing and fault current studies.

Electrical system designs for hospitals, medical clinics and educational buildings.

Short-circuit fault current, protective device coordination and arc-flash studies.

Industrial battery charger and UPS systems power electronics design.

Custom power conversion equipment/systems design.

Michael A. Heath

Mechanical/HVAC & Fire Protection Engineering Designer

EDUCATION:

ITT Technical Institute
Associate Degree in Specialized Technology:
Computer-Aided Drafting Technology - 2000

PROFESSIONAL EMPLOYMENT:

McKinley Architecture and Engineering
Mechanical & Fire Protection Designer
Wheeling, WV (2007 to present)

Janus, Inc.
AutoCAD Designer / Project Manager
Pittsburgh, PA (2002-2007)

Comunale Automatic Sprinkler
Fire Protection Designer
Pittsburgh, PA (July 05 - Oct 05)

S.A. Comunale Inc.
Fire Protection Designer
Pittsburgh, PA (2000-2002)

SUMMARY OF EXPERIENCE:

Mr. Heath brings a cross-trained design background to your project, and has vast knowledge in a diverse range of disciplines. He was trained by the National Fire Protection Association (NFPA) in Dallas, Texas, and has used these skills to work on projects from multiple business sectors and with various sizes, such as the 4 story, 1,500,000 square foot David L. Lawrence Convention Center in Pittsburgh, Pennsylvania. He has vast expertise in designing and calculating fire protection systems, standpipes, dry and wet systems, hydraulics, and water cannons; stock listing materials for systems; as well as surveying job sites and frequent business trips to coordinate jobs.

NOTABLE PROFESSIONAL EXPERIENCES:

West Virginia Army National Guard - AASF#1 hangar renovations

West Virginia Army National Guard - Multipurpose Building at Camp Dawson

United States Postal Service - multiple projects

Building 55: WV State Office Complex in Logan (LEED Certified)

Wheeling Island Hotel•Casino•Racetrack - various projects

Cabela's Eastern Distribution Center

For 14 West Virginia counties; provided Mechanical and Fire Protection assessments at every school (160+ schools), for their 10-year Comprehensive Educational Facilities Plan (CEFP 2010-2020)

Big Sandy Arena & Convention Center

WVU Institute of Technology - Conley Hall

Southern WV Community and Technical College - Wyoming Campus

Silver Company - Moss Neck Storage Building

Bennett Square business center

WVDRS Wheeling District's new office space fit-out

WVDHHR's new Ohio County office building fit-out

PWP Industries

Carenbauer Wholesale Corp. office renovations / new warehouse

Panhandle Cleaning & Restoration warehouse & office building

Boone County Schools - multiple projects

Marshall County Schools - multiple projects

Ohio County Schools - multiple projects

Hancock County Schools - multiple projects

Ritchie County Middle/High School

Summers County Schools - Summers Middle School

Tyler County Schools - 3 HVAC projects

Wetzel County Schools - Long Drain Elementary

Scott D. Kain

Plumbing & Electrical Engineering Designer

EDUCATION:

Technology Education College /
Ohio State University
Associates in Mechanical Design - 1996

PROFESSIONAL EMPLOYMENT:

McKinley Architecture and Engineering
Engineering Designer
Wheeling, WV (2001 to present)

HAWA Inc.
Mechanical Designer
Columbus, OH (1998-2001)

Autotool Inc.
Engineer
Columbus, OH (1995-1998)

SUMMARY OF EXPERIENCE:

Mr. Kain is an accomplished engineering designer who has performed in all the engineering trades we provide; specializing in electrical, plumbing, and fire protection. He has been utilized for various McKinley Architecture and Engineering' projects that needed additional mechanical, structural, and architectural manpower. In addition, Mr. Kain has also provided 3D renderings, to aid in business development, during his long tenure at McKinley Architecture and Engineering.

NOTABLE PROFESSIONAL EXPERIENCES:

WV Army National Guard - multiple projects / new & renovations

United States Postal Service - multiple projects / new & renovations

West Virginia State Police - multiple projects / new & renovations

Building 55: WV State Office Complex in Logan (LEED Certified)

Building 34: WV State Office Complex in Weirton

West Virginia University - multiple projects / new & renovations

Wheeling Island Hotel•Casino•Racetrack multiple projects

Cabela's Eastern Distribution Center ($40 million)

West Virginia Department of Health & Human Resources' Ohio County office building renovation

Orrick's Global Operations Center

Millennium Centre Technology Park

Panhandle Cleaning & Restoration warehouse and office building

VAMC Beckley

WLU Student Union - bookstore/gift shop, concessions, lounge

Glenville State College - Robert F. Kidd Library

The Linsly School - Coudon Ogden Library

Bishop Bernard Schmitt Catholic Heritage Center

West Virginia Northern Community College - B. & O. Building

Maxwell Centre multi-use building

Bennett Square multi-use building

Wagner Building multi-use building

2000 Main Street Multi-Use Complex

Charleston Enterprise Center renovations (2009 WV AIA Design Award)

Big Sandy Arena & Convention Center

WVU Institute of Technology - Maclin Hall

Hilltop Elementary School (LEED Certified)

Cameron High School ($32 million / LEED Registered)

J.B. Chambers Performing Arts Center

Deb Blakeman, NCIDQ #015070

Interior Designer / Architectural Designer

EDUCATION:

University of Charleston
Bachelor of Arts, Interior Design - 1992

PROFESSIONAL AFFILIATIONS AND REGISTRATIONS:

National Council for Interior Design Qualification:
NCIDQ #015070

Associate Member:
The American Institute of Architects

PROFESSIONAL EMPLOYMENT:

McKinley Architecture and Engineering
Charleston, WV (2004 to present)

HDMR Group Inc
Charleston, WV (2000-2004)

Custom Office Furniture
Charleston, WV (1994-2000)

University of Charleston
Teacher
Charleston, WV (1997-2000)

Interior Design
Charleston, WV (1992-1994)

Freeland Furniture Company
Charleston, WV (1981-1987)

Interior Reflections
Logan, WV (1980-1981)

SUMMARY OF EXPERIENCE:

Deb Blakeman has over 30 combined years of experience in the interior design field including corporate facilities, educational, residential, banks, health care projects, and more. She has knowledge and experience with application of ADA regulations, ergonomic standards, state building code and industrial standards as they apply to interior furnishings, space planning and finishes. Ms. Blakeman has spent a lot of time researching LEED-approved furnishings, finishes, etc. to make the interior energy conservation aspect a success in multiple sustainable projects. As a professional designer, Deb Blakeman believes it is important to find the right balance between organizational and individual needs to increase productivity. Improving comforts through lighting and ergonomically sound furnishings will increase employer performance, and efficient spaces will organize work flow, decreasing communication barriers.

NOTABLE PROFESSIONAL EXPERIENCES:

West Virginia State Police - new Logan Detachment

West Virginia State Police Academy renovations

Building 55: West Virginia State Office Complex (LEED Certified)

United States Postal Service - multiple projects

Charleston Enterprise Center renovation (2009 WV AIA Design Award)

WVSU's Gus R. Douglass Economic Development Center / DigiSo

West Virginia Department of Health and Human Resources' Ohio County Office Building

Wheeling Island Hotel•Casino•Racetrack - multiple projects

Hilltop Elementary School (LEED Certified)

Cameron High School (LEED Registered)

Bennett Square office fit-out

Panhandle Cleaning & Restoration office & warehouse

Mythology Marketing office fit-out

West Virginia University - Colson Hall renovation

West Virginia University - new State Fire Training Academy

WVU Institute of Technology - Maclin Hall renovation in Montgomery

Braxton County High School - Fairmont State addition/renovations

WV Northern Community College - B. & O. Building renovations

WV Northern Community College - Education Center renovations

The Linsly School - Banes Hall & Coudon Ogden Library renovations

Fairmont State University - Student Housing Apartments Complex

Sisters of St. Joseph - Convent / Assisted Living renovation

Braxton County Senior Center renovation

Robert E. Smith

Construction Administrator

EDUCATION:

University of Pittsburgh
M.S. Industrial Engineering - 1989

United States Air Force Academy
B.S. Behavioral Science /
Human Factors Engineering - 1983

PROFESSIONAL AFFILIATIONS AND REGISTRATIONS:

Board Member:
Indian Creek School District (elected in 2009)

Instructor:
Mechanical Engineering, Eastern Gateway Community College

President:
Mingo Business Association (2007 to present)

Commander:
American Legion Post 351 (2008 to present)

PROFESSIONAL EMPLOYMENT:

McKinley Architecture and Engineering
Construction Administrator
Wheeling, WV (2009 to present)

Jefferson County Regional Planning Commission
Regional Planner
Steubenville, OH (2008-2009)

Edison Local School District
Director of Operation (1999-2008)
Transportation Supervisor (1998-1999)
Hammondsville, OH

MILITARY SERVICE:

Wright Patterson Air Force Base - Dayton, OH
Chief B-2, Block 20 Field Retrofit, $300 million
B-2 Systems Program Office (1994-1996)
Team Leader, Process Improvement Technology
Armstrong Laboratory (1989-1994)

Randolph Air Force Base - San Antonio, TX
Chief, Test Construction Section
Occupational Measurement Center (1987-1988)
Quality Control Psychologist
Occupational Measurement Center (1985-1987)
Supervisor of Test Construction Team
Occupational Measurement Center (1983-1985)

SUMMARY OF EXPERIENCE:

Mr. Smith is a self confident, articulate and highly motivated individual with superior interpersonal and teamwork skills. He has a plethora of experience in mid to upper level personnel management, advanced information systems integration, training, acquisition, contract management, transportation and maintenance, and quality control. He has 23 years of direct supervisory experience, as well as **13 years of documented success as an Air Force Officer.** He is currently a member of the Board of Education for the Indian Creek School District in Jefferson County, Ohio. He is also an Adjunct Professor at Eastern Gateway Community College in Steubenville, Ohio, where he is teaching Mechanical Engineering.

NOTABLE PROFESSIONAL EXPERIENCES:

WV Army National Guard - AASF#1 Hangar renovations

USPS Clarksburg Financial Office renovations

USPS Parkersburg Carrier Annex & Hub renovations

Jefferson County Commission - Ohio Valley Towers renovations (main roof, mezzanine roof, building envelope, HVAC, office build-out, etc.)

Steel Valley Regional Transit Authority roof

Cameron American Legion exterior renovations

Jefferson County Jobs & Family Services roof

Harrison County Courthouse roof

Follansbee City Building renovations

Cabela's Eastern Distribution Center

Lincoln National Bank Building

Fairmont State University's College Apartments Housing Complex

Brooke County Schools - Follansbee Middle renovations

Grant Co. Schools - Maysville Elementary renovations

Grant Co. Schools - Union Educational Complex renovations

Hampshire County Schools - Animal Vet Science Center

Hancock Co. Schools - Senator John D. Rockefeller IV Career Center renovations

Hancock Co. Schools - New Manchester Elementary renovations

Hancock Co. Schools - Oak Glen High renovations

Hancock Co. Schools - Weirton Elementary ($26.5 million)

Marshall Co. Schools - Cameron High ($32 million / LEED Registered)

Marshall Co. Schools - Hilltop Elementary (LEED Certified)

Tyler Co. Schools - 3 HVAC renovation projects

The Linsly School - Banes Hall & Coudon Ogden Library

The Linsly School - Behrens Gym

Firm History

Founded in 1981, McKinley Architecture and Engineering is a multi-discipline **full service Architectural & Engineering firm**, offering comprehensive **professional services in Architecture, Engineering, Interior Design, Learning Environment and Educational Facility Planning, Energy Efficient and Sustainable (LEED) Design, Commissioning, Construction Administration, and Historic Preservation.**

We have a broad range of skill and experience for projects involving **governmental, emergency service,** PK-12 schools, higher educational, sports & recreation, medical, commercial, industrial, private sector, and much more.

Over the years, our firm won multiple **State and National awards and recognitions** for our works.

Firm Information

Ernest Dellatorre
President

Tim Mizer, PE, RA, QCxP
Director of Engineering

Patrick J. Rymer, AIA, ALEP
Director of Architectural Services

Date of Incorporation

July 1, 1981
Wheeling, West Virginia

Number of Professionals

Total Size	**24**
Architects	5
Engineers	2
Arch./Eng. Designers	6
Construction Admins.	2
Interior Designer	1
LEED AP BD+C	2
ALEP (CEFP) / REFP	2
Commissioning Provider	1
Historic Preservationist	1

Locations

32 Twentieth Street
Suite 100
Wheeling, WV 26003
P: 304-233-0140
F: 304-233-4613

129 Summers Street
Suite 201
Charleston, WV 25301
P: 304-340-4267

416 Longridge Drive
Pittsburgh, PA 15243
P: 724-223-8250

Credentials

McKinley Architecture and Engineering is a member of the following **organizations**:

A4LE (*formerly CEFPI*), ACI International, AIA, ASCE, ASHRAE, ASPE, AWI, BOCA, NCARB, NFPA, WVEDC, and more

Follow Us

www.McKinleyDelivers.com

www.Facebook.com/McKinleyDelivers

www.LinkedIn.com/company/McKinleyDelivers

Instagram: @McKinleyDelivers

McKINLEY
ARCHITECTURE + ENGINEERING

STAFFORD CONSULTANTS INCORPORATED
Engineering, Design, Consulting, Planning, & Environmental Services

KENNETH R. CROWE, P.E.
VICE PRESIDENT

EDUCATION:

West Virginia Institute of Technology
Bachelor of Science, Civil Engineering (1976)

REGISTRATIONS/AFFILIATIONS:

Registered Professional Engineer in
West Virginia (1980) and Virginia (1981)

EXPERIENCE:

Stafford Consultants Incorporated (1985 to present)
Gates Engineering Company (1981 to 1985)
Westmoreland Coal Company (1976 to 1981)

PROJECT MANAGER AND DESIGN ENGINEER:

- Cameron High School, Marshall County – site work
- Weirton Elementary School, Hancock County – site work
- Hilltop Elementary School, Marshall County – site work
- Williamstown High School renovations, Wood County – site work
- Bayer Federal Credit Union, Ohio County – site work
- Brooke County Middle School, Brooke County – structural and site work
- Oak Glen High School Multi-use Stadium, Hancock County – site work
- Marshall University Married Student Housing, Huntington, WV – structural renovation work
- Princeton Renaissance Theater Renovations, Princeton, WV – structural renovation work
- Mercer County Health Center in Green Valley, WV – structural and site work
- Oakvale Elementary School in Oakvale, WV – structural and site work
- North Central Advanced Technology Center in Marion County, WV – structural work
- Merriman Athletic Facilities building at Virginia Tech – structural and site work
- 25 projects for the WVDoH including Cass Arch Bridge (*WVDoH Small Bridge Engineering Excellence Award Winner*), Mineral Wells I-77 Interchange Overpass Bridge (*WVDoH Small Bridge Engineering Achievement Award Finalist*), Camden Avenue I-77 Bridge, Grapevine Creek Bridge (*WVDoH Small Roadway Engineering Excellence Award Winner*), North Lewisburg Road Widening (*WVDoH Small Roadway Engineering Achievement Award Finalist*), and Mullens Overhead Bridge.
- 21 mine reclamation projects for the WVDEP, including Williamson Nursing Home Slide, Milburn Red Dog Pile, Mill Branch Refuse Piles, Canebrake Complex, and Matoaka Refuse Pile.

STAFFORD CONSULTANTS INCORPORATED
Engineering, Design, Consulting, Planning, & Environmental Services

KEVIN G. SMITH
DESIGNER/CADD TECHNICIAN

EDUCATION:

Raleigh County Vocational Ed. Center (1979)

REGISTRATIONS/AFFILIATIONS:

Civil I and Civil II Certificates

EXPERIENCE:

Stafford Consultants Incorporated (1998 to present)
Computects and DBD Professional Group (1998)
G. A. Tice Incorporated (1992 to 1997)
ESP Associates (1986 to 1992)
G. O. Bledsoe Incorporated (1981 to 1986)
Holly, Kenny, Shott (1980 to 1981)

DESIGNER AND CADD TECHNICIAN:

Assists with all phases of project development, from initial site survey to preparation of base mapping, project layout (roadways, parking, water, and sewer), geometric layout, erosion & sediment control plans, profiles, structural plans, and detail sheets. Projects include:

- 12 projects for the WVDoH including Coalfields Expressway, Grapevine Creek Bridge, Hutchinson Branch Bridge, Cass Arch Bridge, Mullens Bridge, North Lewisburg Roadway Widening, Bellepoint Road Widening, West Webster Road Intersection, and Craigsville Intersection.
- Chapmanville Regional High School in Chapmanville, Logan County (site layout)
- Parkersburg South High School in Parkersburg, Wood County (site layout)
- Bayer Federal Credit Union in Moundsville, Marshall County (site layout)
- Hilltop Elementary School in Sherrard, Marshall County (site layout)
- Cameron High School in Cameron, Marshall County (site layout)
- Weir High School Stadium in Weirton, Hancock County (site layout)
- Oak Glen High School Stadium in New Manchester, Hancock County (site layout)
- Weirton Elementary School in Weirton, Hancock County (site layout)
- Oakvale Elementary School in Oakvale, Mercer County (site layout and structural)
- Mercer County Health Center in Green Valley, Mercer County (site layout and structural)
- North Central Advanced Technology Center in Fairmont, Marion County (structural)
- Brooke County Middle School in Wellsburg, Brooke County (site layout and Revit structural model)

STAFFORD CONSULTANTS INCORPORATED
Engineering, Design, Consulting, Planning, & Environmental Services

CORPORATE PROFILE

SERVICES:

Stafford Consultants is a full service engineering firm providing services in Civil, Structural, Highway, Bridge, Airport, Environmental, and Sanitary Engineering. We have been providing engineering services for water, sewer, and general civil projects for more than 31 years. Although our main emphasis is toward the municipal utility market, our firm is highly qualified and capable of completing varied civil and structural projects. The football stadiums at West Virginia and Marshall Universities, the Merriman Athletic Facilities building at Virginia Tech, the Chuck Mathena Center in Princeton, sidewalks for the City of Princeton, artificial turf for the Princeton Senior High School football field, structural design and sitework for the Oakvale Elementary School, and master planning of athletic facilities at Virginia Tech and Marshall University are just a few examples.

Stafford works closely with our clients to develop projects that meet their needs and can be constructed in a timely and cost effective manner. We assist the client from the beginning to end of their project with complete project services – preliminary study reports, preliminary design, final design, bidding, and complete construction administration services.

HISTORY:

Stafford Consultants Inc. was formed in 1985 from a core group of employees of Gates Engineering Company. After many successful years of operation, Gates Engineering Company was bought by a large design / build firm that later decided to divest the consulting engineering firm. Six employees have been with the firm since its inception.

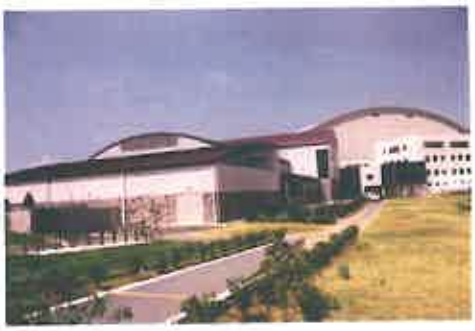
Our office has been located in Princeton since opening for business. While the majority of our clients are located in the southern part of the state, Stafford has worked throughout West Virginia and also provides services in Virginia.

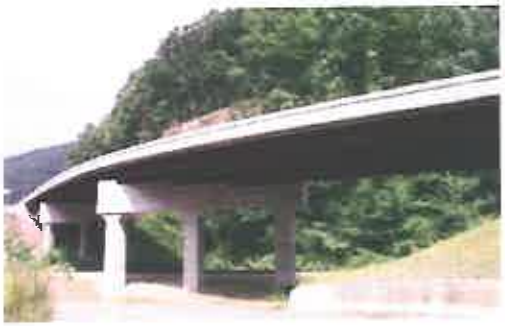
COMMITMENT:

Stafford is committed to providing quality engineering services to our clients, completed on time and at a fair price. Continuity of the project management team is paramount. The engineer preparing the proposal and presenting our qualifications at the interview is the same engineer that will be managing your project.

Our design teams utilize the latest versions of AutoCAD and AutoCAD Civil 3D software, in addition to various other structural, hydraulic, and hydrology packages. We utilize Ajera Complete to track all project time and expenses to make sure projects remain on schedule and within budget.

1105 Mercer Street
Princeton, WV 24740
304-425-9555





Water

Summersville Water Plant

- Over 30 storage tanks ranging from 30,000 to 750,000 gallons
- Surface water treatment plants from 50 to 2,000 gallons per minute
- Transmission and distribution systems ranging in costs from $100,000 to over $30,000,000
- Pumping stations designed with the needs and desires of the client in mind

Alderson Water Storage Tanks

Site Development

Glade Springs Village

Stafford Consultants provides engineering services to public and private clients such as:

- grading
- site utilities
- stormwater permitting
- structural analysis
- construction monitoring
- expert witness

Typical projects like Chapmanville, Williamstown, Parkersburg and Parkersburg South High Schools included:

- site grading
- utilities
- stormwater

Parkersburg South High School

Wastewater

Princeton Wastewater Treatment Plant

Athens Wastewater Treatment Plant

Stafford projects include:

- treatment systems from 10,000 gallons per day to 5 million gallons per day
- conventional activated sludge, extended aeration, "orbal" oxidation ditch and sequencing batch reactor treatment systems
- conventional sewer systems and innovative systems such as pressure systems, vacuum systems, septic tank effluent systems and constructed wetlands

Some of Stafford's Satisfied Clients

Town of Alderson, West Virginia
Alleghany County, Virginia
Town of Ansted, West Virginia
Town of Athens, West Virginia
Big Bend P.S.D., Talcott, West Virginia
Town of Blacksburg, Virginia
City of Bluefield, West Virginia
Bluefield Sanitary Board, Bluefield, Virginia
Town of Bramwell, West Virginia
Bramwell P.S.D., Bramwell, West Virginia
Cooper Land Development, Inc., Beaver, WV
City of Gary, West Virginia
Greenbrier Valley Airport, Lewisburg, WV
City of Hinton, West Virginia
City of Lewisburg, West Virginia
Logan County PSD, Logan, West Virginia
Marshall University, Huntington, West Virginia
McDowell County PSD, Coalwood, West Virginia
Mercer County Commission, Princeton, WV
New Haven PSD, Fayetteville, WV
Nicholas County Commission, Summersville, WV
Oakvale Road PSD, Princeton, West Virginia
City of Princeton, West Virginia
Princeton Sanitary Board, Princeton, West Virginia
City of Welch, West Virginia
WV Division of Highways, Charleston, WV
WV Department of Environmental Protection, WV
White Oak PSD, Scarbro, West Virginia
Wilderness PSD, Mt. Nebo, West Virginia

****

Lyle Huntington, former Manager of Oakvale Road PSD said: *"Oakvale Road has done service with Stafford Consultants since 1989. They have handled over $50,000,000 worth of water and sewer projects. Stafford Consultants does exceptional work. You will not be disappointed if you should choose Stafford Consultants. I will continue to use them for future projects."*

Transportation

Devil's Backbone Bridge

- 19 bridge design projects for WV Division of Highways
- 5 roadway design projects for WV Division of Highways
- 3 Engineering Achievement Awards for Bridge and Roadway Designs

Mullens Bridge

A Client-Caring and Serving Company

STAFFORD CONSULTANTS INCORPORATED

Whether your needs are for utilities, transportation, athletic facilities, structures or site development, you can trust the **EXPERIENCED** Engineers at **STAFFORD CONSULTANTS.**

Engineering, Design and Consulting

1105 Mercer Street
Post Office Box 5849
Princeton, West Virginia 24740
Phone: (304) 425-9555
Fax: (304) 425-9557
E-Mail: staffordconsultants@frontiernet.net

CHRISTOPHER A. GROSE, L.R.S.

Senior Engineering Associate

EDUCATION

M.S. Geological Engineering, 1990
University of Missouri-Rolla

B.S. Civil Engineering, 1988
West Virginia Institute of Technology

EMPLOYMENT HISTORY

1997-Present	Potesta & Associates, Inc.
1994-1997	Terradon Corporation
1990-1994	GAI Consultants, Inc.
1989-1990	University of Missouri-Rolla
1989	Triad Engineering Consultants (summer)
1988	West Virginia Institute of Technology
1983-1988	Clint Bryan & Associates Architects (summers)

PROFESSIONAL REGISTRATIONS

Licensed Remediation Specialist – West Virginia

PROFESSIONAL CERTIFICATIONS

- Hazardous Waste Site Operations and Superfund Worker Protection Training
- American Red Cross Standard First Aid and CPR
- Troxler Moisture-Density Gauge

PROFESSIONAL AFFILIATIONS

- American Society of Civil Engineers
- Association of Engineering Geologists
- Society of America Military Engineers

AREAS OF SPECIALIZATION

Geological/Geotechnical engineering related to subsurface exploration studies, soil and rock slope design, landslide causation studies, foundation system design, surface/subsurface hydrogeology, ground subsidence, contaminant transport and groundwater flow modeling. Planning, design, and permitting of natural gas production well pads and access roads. Geological study of hazardous waste remediation sites, CERCLA/SARA, RI, and FS report compilation, geological and geotechnical aspects of siting and design of municipal and industrial waste landfills.

PROFESSIONAL EXPERIENCE

Civil/Site Design

Civil/Site design included slope stability of both cut and fill slopes in soil and rock for various well production pads in northeastern West Virginia associated with natural gas production in the Marcellus well field. Work consisted of the management of a design engineering team including ground survey crews to development site topographic base mapping, coordination with client regarding land ownership, access roadway alignments, site drainage control, and number/location of production wells. Additional work also included gathering and midstream transmission pipeline locations. The scope of services for these projects also included the preparation of permit documents and attachments for submittal to the WV Department of Environmental Protection-Office of Oil and Gas.

- Stone Energy Corporation
  - Higgins East pad and road
  - Higgins West pad and road
  - Conley Well pad, road, and access bridge
  - Mills-Wetzel No. 3 pad and road
  - Hunter/Pethel well pad
  - Talkington-nice pad and road
  - Bowyers well pad and road
- Viking Oil & Gas
  - United Disciples of Christ well pad

Geotechnical

Completion of numerous subsurface exploration studies for active soil slope landslide failures associated with the development of natural gas production well pads and access roads. Work included the layout, surveying, and logging of subsurface borings to determine the depth and extent of the slope failures. Following collection of soil/rock samples, materials were tested for characteristic and strength properties. Following testing efforts, the failed slopes were modeled using computer-based slope stability deign models to determine a stabile configuration including the addition of rock buttresses, toe keys, underdrains, mid-slope keys, etc. Final stabilization plans were then prepared for the client allowing bidding and selection of a repair and stabilization contractor to perform the work.

- Stone Energy Corporation
  - Mills-Wetzel No. 2 well pad landslide repair
  - Potoczny well pad landslide repair
  - Mills-Wetzel access road landslide repair
  - Pribble Tank landslide repair
  - Haines Branch pipeline landslide repair
- Columbia Pipeline Group (TransCanada Pipeline)
  - SM8 pipeline landslide repair
  - SM80 Loop pipeline landslide repair
- Chesapeake Energy Corporation – R. Baker well pad landslide causation study
- TransEnergy Corporation – Dewhurst well pad landslide repair
- Reserve Oil & Gas – Reed No. 1 well pad access road landslide repair

West Virginia Division of Highways – Geotechnical engineer on geotechnical/landslide master services agreement for on-call services for a three-year period.

Forensic study, expert testimony, and legal support related to the failure of numerous soil/rock slopes throughout West Virginia. This work included extensive review of relevant project case documents, site reconnaissance visits, interviews with project personnel, and deposition testimony.

Lynn Elementary School – Technical insight and recommendations to attorneys representing an adjacent property owner related to the contributing factors related to the formation and continued failure of an excavated soil slope. The toe of the slope was excavated during the site development of the proposed elementary school site in Lynn, West Virginia.

Crichton & Crichton – Landslide formed along a wooded hillside below a residential driveway on Pleasant Lane in Wood County, West Virginia. The slope failure was noted during a substantial leak in an existing water main. The work included a review of case documents, interviews with various residents (plaintiffs in the case) and the development of supporting causation theory for the formation of the landslide. The work also includes the development of repair alternatives and associated construction estimates to be considered during the dispute hearing between the plaintiff and defendants.

Chesapeake Appalachia/Law Office of Jeffrey Mahal (R. Baker Natural Gas Production) – Provided technical study and file review of case documents related to the grading contractor's construction work efforts to prepare a well pad for the installation of a series of horizontal gas production wells in Marshall County, West Virginia. The work included the removal of soil and rock from and existing hilltop. The resulting material was placed or wasted in series of three side hill files along the edges of the resulting well pad. All three of these fills experienced progressive and ongoing failures following the construction effort. Reviewed design documents, construction records, and details related to several repair attempts to result in the development of a professional opinion related to the various factors contributing to the multiple slope failures.

Nationwide Trial Division/Khan & Wheeler (Ross v. WVAW Landslide Case) – Provided professional opinion related to the formation of a slope failure along the Elk River immediately behind several commercial and residential homes near the Town of Elkview, West Virginia. The initial landslide occurred immediately following a main waterline break along the front of the structures. The regressive and prolonged failure continued over several weeks and ultimately damaged a gravity sanitary line as well a several of the structures. Work included an extensive review of several years of case records provided for the case including a review of existing utility maintenance records, historic climatologic data, river stage information and depositional testimony from many of the affected parties. A summary of profession opinion report was prepared describing a number of factors including lack of maintenance storm culverts in the area as well as an increase of saturation along the slope from the failed water main as the cause of the slide. It was determined that several of the structures were supported on previously placed fill material which was placed along the river bank in the early 1900's in

conjunction with the initial roadway construction. This coupled with the lack of maintenance and presence of deteriorated drainage culverts likely contributed to the slope failure. The initial installation of this fill material was determined through an extensive study of the historic topographic mapping of the area.

Responsible for development of geotechnical and geological recommendations as well as development of stabilization designs for many failed soil/rock slopes in West Virginia. This work included initial site reconnaissance visits, development of a subsurface exploration study and materials testing program, evaluation of stabilization alternatives, and construction plan preparation.

Travelers Insurance/City of Charleston – Project included a subsurface exploration study, engineering design, and global stability evaluation of a failed soil slope in a residential neighborhood on Bona Vista Drive for the City of Charleston, West Virginia. The slide was caused by a water main break along an existing residential neighborhood paved roadway. The recommended slope stabilization method was to install a soldier beam and lagging retaining wall along an existing paved roadway (supporting the buried utilities) with the remainder of the failed slope below being removed and replaced with compacted soil backfill.

Stone Energy Pribble Tank – Work included the exploration and study of a failed soil/weathered rock slope which was loaded through the placement of fill near the top of the slope to provide adequate area for the construction of 2- 2,400,000-gallon water storage tanks in New Martinsville, West Virginia. Shortly following the installation of the tanks, a large section of the hillside failed leaving one of the tank foundation partially unsupported. Following the subsurface exploration and drilling work, a stabilization plan was developed which included the removal of the failed soil mass (>50,000 CY) followed by the replacement of compacted soil material behind a large toe key and buttress. The repair also included surface diversion drainage ditches and numerous bond benches along the underlying rock line which were fitted with under drains to collected subsurface seepage.

NiSource/Columbia Gas Pipeline Group SM-80 Loop Gas Transmission Line – Development of a subsurface exploration and drilling plan to determine the extent and depth of a soil and weathered rock slope failure which threatened the performance and stability of a 30-inch high pressure natural gas transmission line in Kanawha County, West Virginia. The slide location was remote and situated along a steep hillside. The stabilization plan recommended the use of soil nail technology due to the remote location and rather inaccessible nature of the location. This repair and stabilization technique allowed for the in-situ repair of the failed slope without extensive excavation and backfill which was deemed difficult and would have required more land disturbance resulting in additional slope stability concerns.

EQT Rockport #7244 Natural Gas Storage Well Pad – Project involved the assessment and repair recommendations for a section of failed fill slope immediately below existing and active natural gas storage well near the community of Rockport in Jackson County, West Virginia. The failed slope was caused by improper surface drainage control along the pad and access road. The stabilization plan included the excavation and removal of the failed slope following "shut-in" of the storage well. The upper failure scarp was situated immediately adjacent the well head which was protected during the stabilization work. Following installation of a rock toe buttress and key way, the failed soil material was amended using lime to reduce the moisture content which was required to achieve the recommended in place density during placement and compaction. Following the regrading effort, the slope was trimmed and seeded followed by the grading a several diversion and collection ditched to control runoff from the upper portion of the hillside below the well pad.

City of Charleston – Geotechnical assessment and development of regrading construction plans for the repair of a failed soil slope below Grandview Drive for the City of Charleston, West Virginia. The slope failure occurred between two adjacent residential structures and encompassed a sanitary sewer main as well as a storm drainage pipe receiving storm drainage from Grandview Drive. The stabilization plan involved the removal of the failed mass beginning at the toe of the slope and then working progressively upslope to result in a stabilized and regraded slope surface. The work required the removal of all failed material to the underlying rock surface and included the installation of a shot rock toe buttress which was installed along a natural topographic bench near the toe. Following completion of the work the affected utilities were installed either below the fill material or outside the regraded slide area.

Greer Industries Cheat River Quarry Haulroad – Project included the development of stabilization and repair recommendations for a failed soil slope which impacted a critical haulroad utilized by the quarry operator to move raw shot rock material from the quarry to the crusher at the aggregate plant in Rowlesburg, West Virginia. The landslide occurred because of the failure of a cross drainage culvert in the haulroad. The failed soil mass was removed to the underlying bedrock and following installation of a stone toe buttress and toe key, the material was blended with aggregate material from the plant and placed in compacted lifts. The underlying rock surface was excavated to result in a series of "bond benches" allowing for the installation of underdrains below the compacted fill to collect groundwater and seepage from the underlying rock. This prevented saturation of the fill material.

Responsible for the design, management, and inspection of a geotechnical investigation of a proposed five-mile rail extension located in Nicholas County, West Virginia. Investigation included study and design of planned rock cuts, and track foundation materials.

General Services Administration – Site evaluation, including continuous HNU scanning of collected soil samples and installation of piezometers for two proposed sites near Charleston, West Virginia.

West Virginia Department of Environmental Protection – Foundation design for a proposed 1,000,000-gallon potable water storage tank and valve pit near Cassidy, West Virginia.

Rhone Poulenc Ag Company – Subsurface sample collection, resistivity measurements, explosivity measurements, and decontamination procedures for an organic contamination study at Institute, West Virginia.

Preparation of foundation investigations for several large structures including a parking garage and student housing complex at Marshall University in Huntington, West Virginia. Tasks included development of subsurface exploration program, soils/rock sampling, testing program, and preparation of a final geotechnical report.

Roadway Design

Geotechnical engineer for various bridge and highway projects including:

- North Bridgeport Bypass
- McDowell County Schools
- Corridor H
- Dundon Bridge
- Sulphur Springs Bridge Replacement
- Smith Creek Bridge
- Martha Truss Bridge
- Martha Concrete Girder Bridge Replacement
- Dry Run Interchange
- I-81 Upgrade
- Platinum Drive
- Kenna Ridge Business Industrial Park/Access Road

Hardy County Rural Development Authority – Engineering services for the study, design, and preparation of construction contract plans, related documents, and construction oversight services for an industrial access road for the Baker Business Park District.

Roane County Development Authority – Site development construction documents for National Industrial Wholesale Lumber located in Roane County's industrial park.

ZMM – Site design and engineering for a new elementary school and new high school in Bradshaw, West Virginia on the site of an existing elementary school.

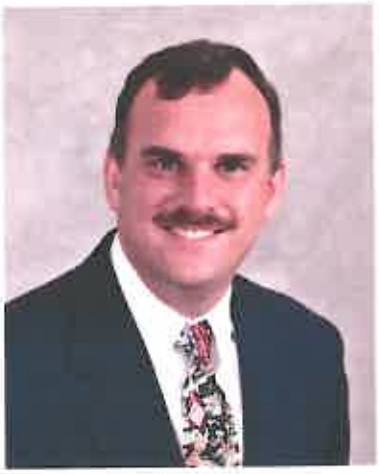
West Virginia Department of Highways – Evaluation of subsurface conditions including both soil and rock to provide geotechnical recommendations related to potential bridge abutment foundation systems near Martinsburg, West Virginia. Alternatives included both shallow and deep foundations. Deep foundations were required at several abutments due to voids encountered in limestone bedrock.

Abandoned Mine Lands

WVDEP Abandoned Mine Lands and Reclamation – Preparation of Phase I and II water studies throughout the state of West Virginia. Work items included interview of area residents to determine major quality and quantity problems, field and records research to determine the location of known pre-law mining activity (which could potentially affect groundwater quality), collection of groundwater samples, and design of water distribution facilities.

DAVID B. SHARP, P.E.

Branch Manager/Senior Engineer



EDUCATION

M.S. Civil Engineering, 1995
West Virginia University

B.S. Civil Engineering, 1993
West Virginia University

EMPLOYMENT HISTORY

2003-Present	Potesta & Associates, Inc.
2000-2003	CTL Engineering, Inc.
1997-2000	Potesta & Associates, Inc.
1994-1997	Terradon Corporation

PROFESSIONAL REGISTRATIONS

Professional Engineer – West Virginia, Virginia

PROFESSIONAL CERTIFICATIONS

Professional Engineer – West Virginia, Pennsylvania, Maryland, Ohio, and Kentucky

AREAS OF SPECIALIZATION

Involved with many aspects of civil engineering with a special interest in the geotechnical/environmental aspects. Responsibilities have included projects involving Civil/Site Design; Geotechnical Design, Solid Waste Management Facility Design, including geosynthetic applications; hydrologic and hydraulic design; transportation/highway projects, including geotechnical and right-of-way plans; and municipal water and wastewater projects.

PROFESSIONAL EXPERIENCE

Geotechnical

Engineer responsible for performing subsurface investigations, preparation of geotechnical reports, coordinating laboratory analysis programs, providing recommendations for lateral earth pressures, bearing capacities, modulus of subgrade reactions, settlements, and construction specifications for multi-story structures. Foundations considered have included steel H-piles, auger-cast piles, drilled piers, spread footings, and mat foundations:

- Family Dollar Store – Berkeley Springs, WV
- Rubbermaid Distribution Center Addition – Winchester, VA
- WVU Transportation Center/Parking Garage – Morgantown, WV
- 4 West Water Treatment Plant – Greene County, PA
- CA Ventures (9 story student housing building) – Morgantown, WV
- Copper Beech Student Housing (included 31 buildings, parking areas, and 11,250 linear feet of retaining walls) – Morgantown, WV
- Sunnyside Commons Student Housing (included three multi-story buildings, parking, and 43,000 sq. ft. of retaining walls) – Morgantown, WV
- WVU Engineering Building East Addition – Morgantown, WV
- Potomac State College Admissions Building Addition – Mineral County, WV
- Glenville State College Health & Sciences Building – Gilmer County, WV
- Glenville State College Residence Hall – Gilmer County, WV
- Christy Street Office Building – Morgantown, WV
- Harry Green Nissan Dealership Building Addition – Harrison County, WV
- Elkins Dodge Dealership – Randolph County, WV
- Sam's Club Fueling Station – Clarksburg, WV
- Wal-Mart Fueling Station – Connellsville, PA
- Cheat Lake Elementary School Building Addition – Monongalia County, WV
- Churchhill Village Housing Project – Monongalia County, WV

- R.E. Michel HVAC Commercial Building – Monongalia County, WV
- ICM Islamic Center – Morgantown, WV
- Catlettsburg Refining Company – Alkylation and Wastewater Control Room – Catlettsburg, KY
- WVARNG Camp Dawson Fueling System – Kingwood, WV
- MEPCO Dock Expansion Project – Morgantown, WV
- West Run Student Housing (includes 16 buildings, parking areas, and 50,000 sq. ft. of retaining walls) – Morgantown, WV
- Fairmont Federal Credit Union – Bridgeport, WV
- Morgantown Waterfront Marina – Morgantown, WV
- Residence Inn – Morgantown, WV
- Suncrest Executive Office Plaza and Parking and Garage – Morgantown, WV
- WVU Research Park – Morgantown, WV
- View at the Park Apartment Complex – Morgantown, WV
- Marriott Hotel – Morgantown, WV
- Bucks Tavern – Morgantown, WV
- Stouts Run United Methodist Church Addition – Parkersburg, WV
- Fairfield Inn Hotel – Fairmont, WV
- Wendy's Restaurant – Morgantown, WV
- Sunoco Service Station – Robinson Township, PA
- St. Stephen Baptist Church – Morgantown, WV
- Islamic Center – South Charleston, WV
- Oak Hill Public Library – Oak Hill, OH
- Westside High School – Oceana, WV
- WVARNG Readiness Center – Summersville, WV
- Student Housing Facility, Parking Garage, Library/Information Center, Student Center Addition, Jomie Jazz Center, and Child Care Center for Marshall University – Huntington, WV
- U.S. Equipment Distributors – Huntington, WV
- PC WV #2 and #3 – Pace Carbon Fuels – Summersville and Eckman, WV
- WVU Luxury Box for Mountaineer Field – Morgantown, WV
- Marshall University Mid-Ohio Valley Center – Point Pleasant, WV
- Arbor Terrace Assisted Living Facility – Charleston and Huntington, WV
- Pocahontas County PSD Wastewater Treatment Plant – Snowshoe, WV
- Pt. Marion Water Tank Replacement – Pt. Marion, PA
- Monongalia General Hospital and Access Road – Morgantown, WV
- Kasson Elementary/Middle School Repair Project – Kasson, WV
- North Marion Vocational/Technical Center School Repair Projects – Marion County, WV
- Monongalia County Public Office Building – Morgantown, WV
- Numerous Cell Phone Towers in WV, PA, and MD
- Numerous Natural Gas Compressor Stations Pads and Additions:
  - EQT – Logansport Compressor Station Addition – Wetzel County, WV
  - EQT – Plasma Compressor Station Pad – Monroe County, OH
  - EQT – Corona Compressor Station Pad – Wetzel County, WV
  - EQT – Gemini Compressor Station – Geotechnical Feasibility – Marion County, WV
  - EQT – Gemini Interconnect Pad – Marion County, WV
  - Basic Systems, Inc. – Waynesburg Compressor Station Addition – Greene County, PA
  - Basic Systems, Inc. – Gettysburg Compressor Station Addition – Adams County, PA
  - Basic Systems, Inc. – Greencastle Compressor Station Addition – Franklin County, PA
  - Basic Systems, Inc. – Files Creek Compressor Station Addition – Randolph County, WV
  - Basic Systems, Inc. – Smithfield Compressor Station Addition – Wetzel County, WV
  - Dominion Transmission – Crayne Compressor Station – Green County, PA
- Numerous Marcellus Well Pad Sites – Northern WV:
  - Stone Energy – Mills Wetzel #3 Well Pad – Wetzel County, WV
  - Stone Energy – Conley Well Pad – Wetzel County, WV
  - Stone Energy – Langmyer Pad – Wetzel County, WV
  - Mountaineer Keystone – Mackey-Wolfe Well Pad – Barbour County, WV
  - Chesapeake Energy – Rayle Coal Co. Well Pad – Ohio County, Wv
- Numerous Residential Geotechnical Projects – Charleston and Morgantown, WV
- Geotechnical Recommendations for Natural Gas Transmission Lines including Horizontal Directional Drilling Projects:
  - EQT Midstream – H-310 Coal Refuse Area – Monroe County, OH
  - EQT Midstream – Harrison County HDD – Harrison County, WV
  - EQT Midstream – Ohio River HDD – Wetzel County, WV and Monroe County, OH

Responsible for the coordination of subsurface investigation, laboratory testing program, slope stability

Company Overview

FIRM HISTORY

Potesta & Associates, Inc. (POTESTA) was founded in 1997 as a full service engineering and environmental consulting firm headquartered in Charleston, West Virginia. We have now expanded to a diverse staff of more than 81 experienced engineers, scientists, and support personnel with branch offices in Morgantown, West Virginia, and Winchester, Virginia. Our clients include mining, manufacturing and chemical companies; utility companies; waste management companies; colleges/universities; land developers; attorneys; financial institutions; insurance companies; local, state and federal agencies; construction companies and architects.

SERVICES

- Air
- Asbestos Abatement
- Biological and Toxicological
- Civil Engineering and Site Design
- Coal Supply and Procurement
- CADD
- Construction Monitoring
- Environmental Emergency Response
- Environmental Site Assessment
- Geographic Information Systems
- Geotechnical Engineering
- Groundwater
- Hydrology and Hydraulics
- Landfills and Solid Waste
- Litigation Support
- Marcellus Shale Natural Gas
- Mining
- Mixing Zone Analysis
- Occupational Safety and Health
- Oil and Natural Gas
- Permitting
- Remedial
- Roadway Engineering
- Stream Restoration
- Storage Tanks
- Surveying and Mapping
- Water Quality Studies
- Water and Wastewater
- Wetlands

Experienced Professionals

POTESTA's staff is committed to delivering innovative, cost-effective solutions to meet our client's complex requirements. The firm's environmental department consists of biologists, geologists, chemists, environmental scientists and environmental engineers, many with advanced degrees (Masters and Ph.D. level). POTESTA's engineering department includes civil, geotechnical, environmental, mining and mechanical engineers. Our registered professional engineers have over 300 years experience among them and are supported by a capable team of engineers, designers, and surveyors.

Our firm is managed by two principals driving POTESTA forward with their experience and emphasis on exceeding expectations. Ronald R. Potesta, President, is a former Director of the West Virginia Division of Natural Resources and Dana L. Burns, P.E., Vice President of Engineering, has more than 39 years experience with civil, geotechnical, mining, and environmental engineering projects.

FIRM HIGHLIGHTS:

Established in 1997

Staff of More Than 81

Corporate Office in Charleston, WV

Regional Offices in Morgantown, WV Winchester, VA

Primarily Serve Clients East of the Mississippi River

Carry a Full Line of Insurance Coverage

Stringent Internal Quality Control System

Additional information on our services and capabilities can be found on our corporate website: www.potesta.com. POTESTA

POTESTA & ASSOCIATES, INC.

Geotechnical Engineering

Potesta & Associates, Inc.'s (POTESTA) engineers and geologists have extensive experience related to the geotechnical engineering and geological disciplines. These areas include subsurface explorations, monitoring well and piezometer installations, foundation design recommendations, slope stability analysis, retaining walls, and remedial designs as they relate to construction, mining, waste disposal, environmental remediation, and other projects.

SUBSURFACE EXPLORATIONS

POTESTA's diverse staff of engineers and geologists is experienced in the many different facets of subsurface explorations. Our usual procedure is to attend an initial meeting with the client to establish requirements and expectations, conduct a preliminary site reconnaissance, and develop a recommended exploration program for your review and approval. Supplemental information from the local area is then obtained from readily available sources to assist the engineer or geologist in making final recommendations.

POTESTA can provide field engineers and geologists who are knowledgeable using the latest technologies to assist in collecting and analyzing samples. Our knowledge of the proper procedures and familiarity with local conditions allows office and field personnel to adjust the exploration plan if unanticipated field conditions are found.

Our staff is familiar with the following items which can be associated with subsurface exploration:

- Drilling and Rock Coring Techniques (augers, rotary bits, Geoprobe™, etc.)
- Sample Collection Methods (split spoons, shelby tubes, Geoprobe™ sleeves, etc.)
- Classification and Logging of Soil and Rock Samples
- Monitoring Well and Piezometer Installation

SLOPE STABILITY ANALYSIS AND REMEDIAL DESIGN

Slope stability is often a major concern during the design and construction phases of many projects, especially those located in the Appalachian terrain. POTESTA's engineers are familiar with the various methods utilized to predict slope stability and are capable of performing the related analyses. Slope stability is critical for many projects such as analysis of existing or proposed soil embankments, rock fills, dam analysis and design, landfill design and operation, assessing the causation of slope failure, and designing remedial measures. Analyses can involve circular or sliding block methods, interface friction angles, and estimation of the strength parameters of the soil or rock. Slope stability analyses are performed on one of the most technologically advanced computer programs available and can be modified using site specific data.

POTESTA's engineers can also develop preventive measures during initial project design or recommendations to repair slope failures. Based upon the project circumstances, our engineers will consider various remedial measures such as regrading the site to obtain more suitable conditions, management of groundwater, and design of retaining structures. Our staff is familiar with a wide variety

POTESTA
POTESTA & ASSOCIATES, INC.
7012 MacCorkle Avenue, SE, Charleston, West Virginia 25304
Phone: (304) 342-1400 • Fax: (304) 343-9031 • www.potesta.com
Regional Offices: Morgantown, WV and Winchester, VA

of retaining structures, including gabion baskets, soldier beam and lagging walls, sheet piles, reinforced concrete and reinforced earth slopes.

FOUNDATION DESIGN RECOMMENDATIONS

POTESTA's staff has experience with various types of foundations and will recommend the appropriate type of foundation given the anticipated application and site conditions. The different types of foundations with which our staff is familiar are spread and strip footings, steel piles, auger-cast concrete piles, drilled piers, and reinforced mats.

Preliminary foundation design recommendations and cost analyses are commonly performed during the initial phases of a project to assist in determining project feasibility. As project planning progresses, the preliminary alternatives will be revised into a final recommendation which can then be incorporated into the project's construction documents or developed as an independent package for presentation to the contractor.

The final recommendation can include construction drawings, technical specifications, recommendations for allowable bearing capacity, engineer's construction cost estimate, and contractor's bid sheet.

POTESTA
POTESTA & ASSOCIATES, INC.
7012 MacCorkle Avenue, SE, Charleston, West Virginia 25304
Phone: (304) 342-1400 • Fax: (304) 343-9031 • www.potesta.com
Regional Offices: Morgantown, WV and Winchester, VA

POTESTA & ASSOCIATES, INC.

Surveying and Mapping

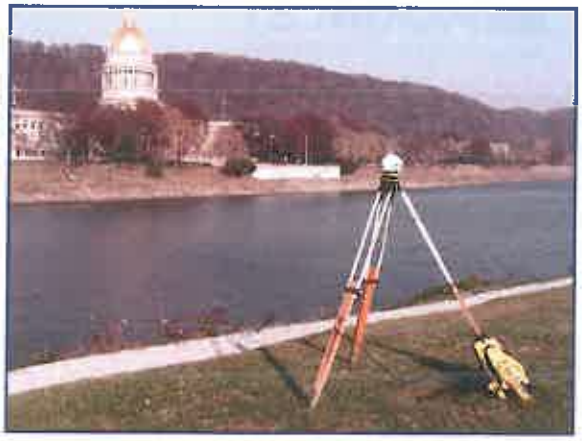
Our surveyors are experienced in many aspects of surveying such as topographic mapping, boundary surveys (rural/farms, city lots, and subdivisions), ALTA surveys, control surveys, flood certificate surveys, well location surveys, construction surveys for layout of work, record drawings, and quantity measurements. Related areas include courthouse research, preparation of right-of-way plans, and verification of property owners. Potesta & Associates, Inc. (POTESTA) has licensed professional surveyors registered in West Virginia, North Carolina, South Carolina, Ohio, Virginia, and Pennsylvania. Their total combined surveying experience comes to well over 50 years.

POTESTA's surveyors use state-of-the-art equipment such as Topcon total stations, Trimble R-8 GNSS, and SMI data collectors with SMI software. Autodesk Civil 3D reduction and design software is used.

POTESTA is equipped with modern surveying instruments, allowing efficient data processing and accurate gathering of field information. Total station instruments equipped with data collectors are utilized for complete field-to-office automation allowing for high levels of productivity in the field. The latest versions of software are then used to process survey data and create drawings or required end products. These products can be supplied to our clients in AutoCAD and/or Microstation format.

Small topographic mapping projects can be completed in-house using the aforementioned process. Larger projects are better suited for mapping using aerial photography.

POTESTA can provide the necessary surveying required for establishing ground control for aerial mapping. As a quality control measure, aerial mapping is field checked for accuracy by surveying cross sections or random points.



Surveys completed by POTESTA are performed by or under the direction of a professional licensed surveyor. Surveys and mapping are completed to the standards outlined by the National Map Standards, as well as other applicable quality standards.

Our staff is experienced in global positioning surveys (GPS). GPS equipment, Trimble R-8 GNSS, and existing base stations are among POTESTA's surveying tools. Based upon the site location and ultimate use of the survey information, a recommendation is made to the client as to whether or not traditional survey or GPS is most applicable to their project.

POTESTA

POTESTA & ASSOCIATES, INC.
7012 MacCorkle Avenue, SE, Charleston, West Virginia 25304
Phone: (304) 342-1400 • Fax: (304) 343-9031 • www.potesta.com
Regional Offices: Morgantown, WV and Winchester, VA

... references ...

We feel that the best way to demonstrate our strengths and leadership in design is by referring to our past and present clients. McKinley Architecture and Engineering have an ever-growing list of repeat clients, which include having multiple open-end contracts; many of these are in the governmental sector. We have multiple open-ended contracts with organizations such as the United States Postal Service and West Virginia University to name a few. We are able to respond to their needs, and we are certain that we are able to respond to all of your needs as well. So that you don't only have to take our word for it; here is a list of references that we encourage you to call ***(more references are included on every project sheet)***:

McKINLEY
ARCHITECTURE + ENGINEERING

WVDOT Division of Highways
(*Open-End A/E Services Contract*)
Mr. Joshua Smith, PE
Acting Buildings & Grounds Program Manager
Maintenance Division
1900 Kanawha Boulevard, East
Building 5, Room 350
Charleston, WV 25305
304 / 887-2325

United States Postal Service
(*Open-Ended IDIQ Contracts*)
Mr. Bruce Adams
P.O. Box 20867
22681 Woodward Avenue
Ferndale, MI 48220-0867
248 / 677-9660

State of West Virginia
(*West Virginia State Office Complexes*)
Mr. Gregory L. Melton
Director
WV Department of Administration
General Services Division
1900 Kanawha Boulevard East
Charleston, WV 25305
304 / 558-1808

West Virginia State Police
(*Multiple Projects*)
Major William Scott
725 Jefferson Road
South Charleston, WV 25309
304 / 746-2124

STAFFORD CONSULTANTS INCORPORATED

Oakvale Road PSD
(*Multiple Projects, $50M*)
Mr. Lyle Huntington
P.O. Box 1061
Princeton, WV 24740
304 / 487-2750

Greenbrier County Airport Authority
(*Multiple Projects*)
Mr. Jerry O'Sullivan
P.O. Box 329
Lewisburg WV 24901
304 / 645-3961

POTESTA

Mr. John Allevato
Spilman Thomas & Battle PLLC
300 Kanawha Blvd East
Charleston, WV 25301
304 / 340-3885

WVDOH
(*Multiple Projects*)
Mr. Harry Bradley
1900 Kanawha Blvd. East
Building Five
Room 110
Charleston, WV 25305-0430
304 / 558-9726

... copies of any staff certifications or degrees applicable to this project ...

Copies of McKinley Architecture and Engineering' various **licenses** and **certifications** are found on the following pages. In addition, copies of Christina Schessler's (your project manager) Registration & Authorization Certificate to provide Architectural Services in West Virginia, and her LEED AP BD+C certificate, are also included. Furthermore, the **degrees** and additional **certifications** these professionals have earned are listed on their **resumes**. We can also provide copies of certifications/licenses of our consultants if you wish to see them.

BOOK 66 PAGE 793

State of West Virginia

CERTIFICATE

I, Ken Hechler, Secretary of State of the State of West Virginia, hereby certify that

by the provisions of Chapter 31, Article 1, Sections 27 and 28 of the West Virginia Code, the Articles of Incorporation of

McKINLEY & ASSOCIATES, INC.

conform to law and are filed in my office. I therefore declare the organization to be a Corporation for the purposes set forth in its Articles, with the right of perpetual existence, and I issue this

CERTIFICATE OF INCORPORATION

to which I have attached a duplicate original of the Articles of Incorporation.

Given under my hand and the Great Seal of the State of West Virginia, on this

FIFTEENTH *day of*

DECEMBER *19* 89

Ken Hechler

Secretary of State.

State of West Virginia

Certificate

I, Natalie E. Tennant, Secretary of State of the State of West Virginia, hereby certify that

MCKINLEY & ASSOCIATES, INC.

was incorporated under the laws of West Virginia and a Certificate of Incorporation was issued by the West Virginia Secretary of State's Office on December 15, 1989.

I further certify that the corporation has not been revoked by the State of West Virginia nor has the West Virginia Secretary of State issued a Certificate of Dissolution to the corporation.

Accordingly, I hereby issue this

CERTIFICATE OF EXISTENCE

Validation ID:0WV3W_CQTDH

Given under my hand and the Great Seal of the State of West Virginia on this day of October 27, 2015

Natalie E Tennant

Secretary of State

Notice: A certificate issued electronically from the West Virginia Secretary of State's Web site is fully and immediately valid and effective. However, as an option, the issuance and validity of a certificate obtained electronically may be established by visiting the Certificate Validation Page of the Secretary of State's Web site, https://apps.wv.gov/sos/businessentitysearch/validate.aspx entering the validation ID displayed on the certificate, and following the instructions displayed. Confirming the issuance of a certificate is merely optional and is not necessary to the valid and effective issuance of a certificate.

WEST VIRGINIA
STATE TAX DEPARTMENT
BUSINESS REGISTRATION CERTIFICATE

ISSUED TO:
MCKINLEY & ASSOCIATES INC
32 20TH ST
WHEELING, WV 26003-3750

BUSINESS REGISTRATION ACCOUNT NUMBER: **1040-9524**

This certificate is issued on: **06/28/2011**

This certificate is issued by
the West Virginia State Tax Commissioner
in accordance with Chapter 11, Article 12, of the West Virginia Code

The person or organization identified on this certificate is registered to conduct business in the State of West Virginia at the location above.

This certificate is not transferrable and must be displayed at the location for which issued.

This certificate shall be permanent until cessation of the business for which the certificate of registration was granted or until it is suspended, revoked or cancelled by the Tax Commissioner.

Change in name or change of location shall be considered a cessation of the business and a new certificate shall be required.

TRAVELING/STREET VENDORS: Must carry a copy of this certificate in every vehicle operated by them. CONTRACTORS, DRILLING OPERATORS, TIMBER/LOGGING OPERATIONS: Must have a copy of this certificate displayed at every job site within West Virginia.

atl.006 v.4
L0539442304

CERTIFICATE OF *Authorization*

STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS

The West Virginia State Board of Registration for Professional Engineers having verified the person in responsible charge is registered in West Virginia as a professional engineer for the noted firm, hereby certifies

MCKINLEY & ASSOCIATES, INC.
C00366-00

Engineer in Responsible Charge: TIM E MIZER - WV PE 013169

has complied with section §30-13-17 of the West Virginia Code governing the issuance of a Certificate of Authorization. The Board hereby notifies you of its certification with issuance of this Certification of Authorization for the period of:

January 1, 2018 - December 31, 2019

providing for the practice of engineering services in the State of West Virginia.

IF YOU ARE REQUIRED TO REGISTER WITH THE SECRETARY OF STATE'S OFFICE, PLEASE SUBMIT THIS CERTIFICATE WITH YOUR APPLICATION.

IN TESTIMONY WHEREOF, THE WEST VIRGINIA STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS HAS ISSUED THIS COA UNDER ITS SEAL AND SIGNED BY THE PRESIDENT OF SAID BOARD.

BOARD PRESIDENT

The West Virginia Board of Architects

certifies that

CHRISTINA ANN SCHESSLER

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.

Board Administrator

LEED AP BD+C

GREEN BUSINESS CERTIFICATION INC. CERTIFIES THAT

Christina Schessler

HAS ATTAINED THE DESIGNATION OF

LEED AP® Building Design + Construction

by demonstrating the knowledge and understanding of green building practices and principles needed to support the use of the LEED green building program.

[redacted]
CREDENTIAL ID

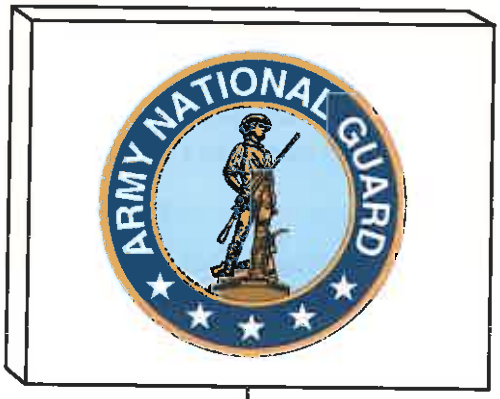
06 APR 2010
ISSUED

05 APR 2018
VALID THROUGH

GAIL VITTORI, GBCI CHAIRPERSON

MAHESH RAMANUJAM, GBCI PRESIDENT

... proposed staffing plan ...



Project Manager / Main Point of Contact

Christina Schessler, AIA, LEED AP BD+C

Architecture

Christina Schessler, AIA, LEED AP BD+C
Architect /
LEED Accredited Professional Specializing in Building Design & Construction /
Historic Preservationist

Engineering Team

Tim E. Mizer, PE, RA, QCxP
Director of Engineering / Architectural Engineer /
Architect / Commissioning Provider

Bruce A. Kennedy, PE
Electrical Engineer

Michael A. Heath
Mechanical/HVAC & Fire Protection Engineering Designer

Scott D. Kain
Plumbing & Electrical Engineering Designer

Kenneth R. Crow, PE
Stafford Vice President / Structural Engineer /
Site Civil Engineer

Kevin G. Smith
Structural Civil Site Engineering Designer

Christopher A. Grose, LRS
Senior Engineering Associate /
Geological/Geotechnical Engineer

David B. Sharp, PE
Geotechnical Engineer

Jeremi J. Stawovy, EIT
Environmental/Civil Engineer-in-Training

Dana L. Burns, PE, PS
Vice President /
Engineer / Surveyor

Peter S. Potesta
Staff Engineer

Victor M. Dawson, PS
Professional Surveyor

Interior Design

Deb Blakeman, NCIDQ #015070
Interior Designer

Construction Administration

Robert E. Smith

The work to be performed by your design team is very clear; **to evaluate, prioritize and design within budget and schedule to meet the needs of the West Virginia Army National Guard, Construction and Facilities Management Office.** We know the **McKinley/Stafford/Potesta Team** possesses the required expertise to address **all facets of your Camp Dawson Barracks Building 246 renovation project**. We are available to start **immediately** upon our being selected, and the McKinley Team is available to dedicate the necessary personnel, effort, and hours to complete your project on time.

The most important element of the entire process becomes **communication** from you to our designers. We use and welcome your input throughout the project. We continually achieve success in projects by maintaining **time and cost management, quality control and excellent communication** amongst the client, consultants, and contractors.

Our experiences and approach to design requires a dialog with the Owner and the end users of the facility. Throughout the design process, we hold design workshops to get the critical information needed to achieve a design that meets your needs and budget. We do not only depend on our experience, but on the day to day experiences of those who use the building. We have found that this **hands on approach** allows us to focus on your needs and desires and to achieve a better outcome for our client. We begin with an **initial team meeting** to open up a dialogue. The Professionals of the McKinley Team will sit down with the **WVARNG** and **Camp Dawson representatives** to establish a scope of work and definite schedule. Building investigation, testing, surveys and research usually occur before the design phases start. Once clearly defined, a project moves into design. McKinley's Project Architect (Christina Schessler) documents discussions and design decisions. Christina will coordinate project related tasks, code reviews or product demonstrations. You will also have the ability to review the plans and specifications at different completion percentages of the development phase. Additionally, at our regularly scheduled weekly project meetings the entire design team is constantly reviewing the process to discuss **your project, the budget, schedule and quality assurance.** We provide Documented Minutes of all of our meetings; moreover, so that we meet your objectives and requirements, we encourage the WVARNG to participate in these meetings. After conclusion of the design phases, the McKinley Team will prepare Final Construction Plans and Specifications and a final cost estimate for all aspects of the project. We will also submit necessary applications for jurisdictional permitting to allow construction. We will assist in bid preparation and selection, and upon contract award provide construction contract administration. Our 11-Month Walk-Through is a process where our professionals return to your facility 11 months after the project is completed. At that time they review all the work that was completed and check all warranties. We are making sure all of the covered work is in order and that the warranties do not expire with equipment or product not working properly. We have been doing this for **20 years**, long before it being adopted as an AIA 101 Standard. We also conduct Post Occupancy Evaluations with the Owner to find out how well we matched your needs. We are confident that the McKinley Team has the talent and technology needed to make this project successful.

McKinley Architecture and Engineering is on the forefront of **innovative and sustainable design**. We approach ecological design from a business perspective, offering proactive solutions to complex problems such as **indoor air quality, energy efficiency, resource depletion, and water quality.** We recently designed a **$30 million student housing apartment complex**, which is **one of the first buildings in WV designed for all LED interior and exterior lighting - and the bids came in for the same cost as conventional florescent lighting. Function, economics and versatility,** in addition to the development of **strong aesthetic appeal**, are crucial elements in our design process. The **McKinley/Stafford/Potesta Team** will **meet all your goals and objectives!**

... Descriptions of past projects completed entailing the location of the project, project manager name and contact information, type of project, and what the project goals and objectives where and how they were met.

<u>West Virginia Army National Guard projects, including projects at Camp Dawson</u>

Location: State-Wide, West Virginia

Type of Project: Governmental - Full A/E Services - Multiple Projects

Project Description, Goals, and Objectives: McKinley Architecture and Engineering has completed multiple projects for you, the West Virginia Army National Guard, all around the State, including full A/E design services and construction administration.

We have worked on dozens of SPCC (Spill Prevention, Control, and Countermeasure) Plans and Amendments State-Wide.

We recently completed an HVAC renovation and electrical upgrades project at the Williamstown AASF #1 main storage hangar and maintenance building.

Moreover, we have also teamed with Assemblage Architects to create these 2 buildings at **Camp Dawson** in Kingwood, Preston County, WV; our involvement in these 2 projects includes HVAC/mechanical, electrical, plumbing, and fire protection engineering, as well as construction administration services:

The new Mountaineer ChalleNGe Academy is the first nationwide educational program for at-risk children in a quasi-military setting. This project won a 2011 WV AIA Merit Award. The building program includes staff offices, counselors offices, support staff areas, classrooms, an exercise area/gymnasium, locker and shower rooms, medical assistance space, restrooms, and a full service kitchen with dining facility; these spaces will accommodate the 160 young adults/ student residents living at Camp Dawson as part of the ChalleNGe Academy. The first floor of the wing contains multiple classrooms, while the second floor contains multiple offices, conference, recruiting, and server rooms. There are also offices on the first floor. The gymnasium accommodates physical activity, weight training, and serves as the central hub of the complex. Drill exercises and formations, as well as graduation ceremonies are held here. The U-shaped building creates a large, central courtyard which includes a long shed-roof covered pavilion, along with a circular, concrete amphitheater. This courtyard is a multi-purpose outdoor events area for student functions, training activities, drills and formations, educational purposes, receptions, and more.

The mission of the Multi-Purpose Building is a new permanent multi-use masonry steel-framed structure with supporting facilities for military units of the WVARNG. The facility is serves as the primary physical training and event space for the Camp Dawson residents. This project won a 2014 West Virginia AIA Honor Award. The facility houses a large open space (gymnasium), a physical fitness area, locker rooms, shower facilities, offices, and more. The facility and grounds include parking, attached and detached storage, landscaping, security lighting and fencing, and a unique entry. This project was designed with energy recovery systems, as well as daylight harvesting in the gym. The gymnasium was based on occupancy of 200 exercising, or 3,500 at rest for events/assembly. It includes a tailor-made public address system with wireless microphone inputs for the events. We designed the gymnasium for three lighting scenarios: a) Stage use in Gym, b) Game lighting, c) General everyday lighting.

West Virginia State Police - Open-End Contracts

Location: State-Wide, West Virginia

Contact: Major William Scott
West Virginia State Police
725 Jefferson Road
South Charleston, WV 25309
304 / 746-2124

Type of Project: Governmental - Full A/E Services - Multiple Projects

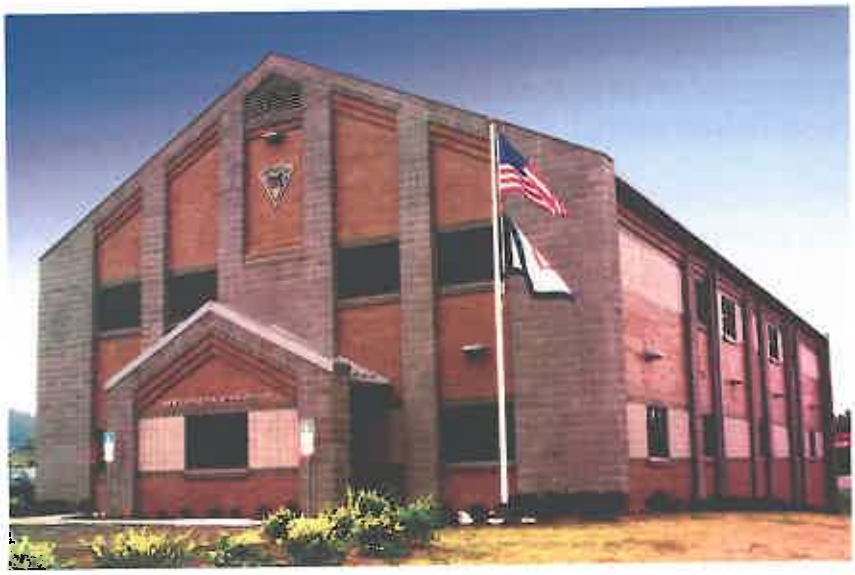
Project Description, Goals, and Objectives: For over **20 years**, McKinley Architecture and Engineering has been **honored** to have been selected for **multiple consecutive West Virginia State Police open-ended contracts** for all **architectural and engineering services throughout West Virginia.**

We have completed numerous **renovations/repairs** as well as **additions** on police detachments throughout WV, such as in Clarksburg, Franklin, Lewisburg, Martinsburg, and Romney to name a few. The upgrades have included **HVAC, roofs, floor tile to replace asbestos tile, electrical, site lighting, generators, doors, windows, interior finishes, furniture, building skin/facades, fire alarm and sprinkler systems, ADA compliance, and security systems,** to name a few.

Moreover, we also have completed design services on multiple **new detachments** in Berkeley, Logan, Morgantown, Rainelle, and Wheeling to name a few.

Various buildings include garages for their various-sized vehicles (some have multiple bays), **many have barracks/living/sleeping quarters,** some detachments have E911 Centers.

Our projects are built with **energy efficiency** in mind with the use of natural daylighting (such as daylight clearstories and self-supporting translucent skylights), occupancy sensors, photo sensors, kalwalls, and much more. Projects include **building safety and security, compliance with codes, as well as force, bullet, and blast protection, and much more.** We are proud to showcase continuous work for the WVSP throughout our State.



West Virginia State Police Academy - 3 Dormitory Renovations

Location: Dunbar, West Virginia

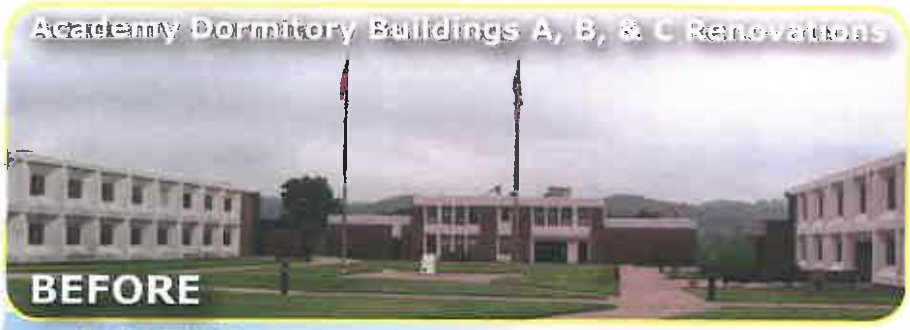
Contact: Major William Scott
West Virginia State Police
725 Jefferson Road
South Charleston, WV 25309
304 / 746-2124

Type of Project: Governmental - Full A/E Services - Renovations and New Construction

Project Description, Goals, and Objectives: The $4.5 million campus-wide improvement projects included 5 buildings: the **renovation of 3 existing barracks/dormitory buildings** (*seen below*), the demo of a shooting range and replacing that building with a brand new upgraded shooting range and control center, and the new training & assembly multi-purpose building. This project was completed in **phases**, on a **building-by-building basis**.

The 27,708 SF **Building A** is a 2-story **dormitory** (for 160 cadets) with classrooms that was built in 1968. This **renovation** project included **interior finishes, new built-in furniture, building skin/facade, windows & doors, elevator, floor tile to replace asbestos tile, upgraded HVAC, new boiler & chiller, replacing the WVSP shield at the entry, repairing the sauna and steam room, new fire alarm and sprinkler system, security system, network computers, electrical, site lighting, signage, ADA compliance and more.**

The 8,985 SF **Building B** is a 2-story **dorm** (for 10 female cadets) with classroom (for 100+ cadets) that was built in 1949. This **renovation** project included **interior finishes, building skin/facade, windows & doors, flooring, walls, ceiling tile, ADA compliance and more.**



The 21,966 SF **Building C** is a 2-story **dormitory** (for 48 cadets) with classroom (for 100 cadets) and cafeteria that was built in the 1970s. This **renovation** project included **interior finishes, HVAC, building skin, windows & doors, vestibule, security system, elevator, ADA compliance, fire alarm, floors, sprinkler system, lighting, data, signage, sidewalks and more.**

Also, as mentioned, there was complete removal of **Building D** (shooting range), and replacement with a **new** 3,098 SF shooting range with a tower at the center. The staging area is enclosed with a glass wall toward the range, with space for 50 cadets with tables for gun cleaning and check.

Finally, the **new Multi-Purpose Building** (also known as the Physical Training Facility) is a 12,544 SF training and assembly building.

Maclin Hall Dormitory

Location: Montgomery, WV

Contact: Mr. James Darling
West Virginia University's Institute of Technology
405 Fayette Pike
Montgomery, WV 25136
304/442-3104

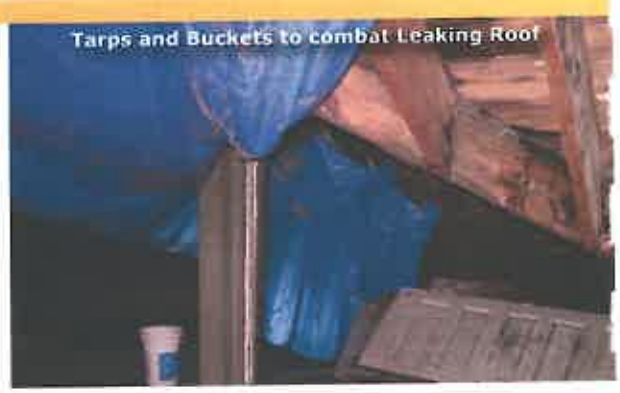
Type of Project: Higher Education renovation

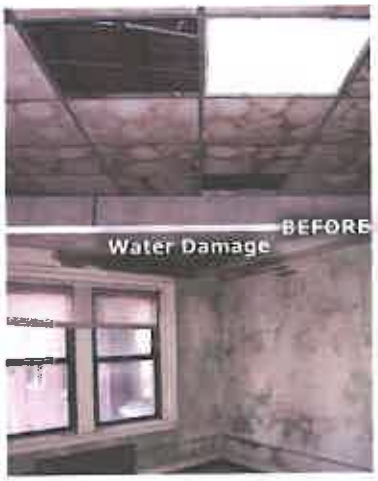
Project Description, Goals, and Objectives: A comprehensive renovation to the historic **Maclin Hall dormitory** on the campus of WV Tech in Montgomery, WV. The project was **designed in less than a month**, and included **redesigning the roof, ceilings, shared areas, elevator, new finishes, and restoration of the exterior.**

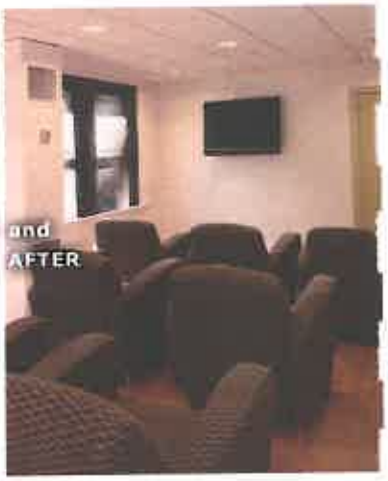
There was water damage throughout the building, and WVU Institute of Technology even used tarps and buckets in the attic to catch the leaks in the roof (*as seen in the pictures to the right*). There was wall, ceiling, and floor damage in most rooms, and mildew damage in some rooms as well.

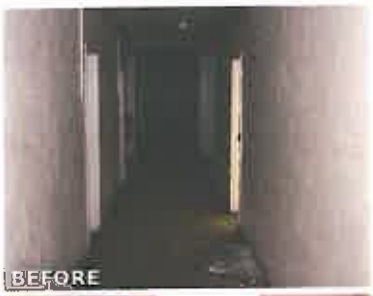
We also replaced the **entire HVAC, lighting, fire protection, data systems and renovated the shared restrooms.** In this 53,900 SF building, we added **multiple dormitory rooms, theater room, exercise area, laundry room, studies, computer rooms, TV rooms for video games, student commons areas, and lounges. We completely regutted the restrooms and provided new shower facilities.**

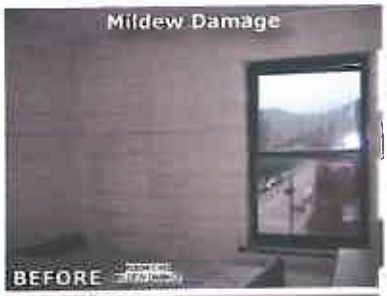
This project had two fast-tracked aspects to it; there was a design time of only 6 weeks, along with a construction time of only 6 months. This project was fast-tracked throughout the summer of 2007, so the building could be occupied by students for the start of the 2007-2008 school year. Even with this extremely short timeline, we were still able to bring the project in under budget.

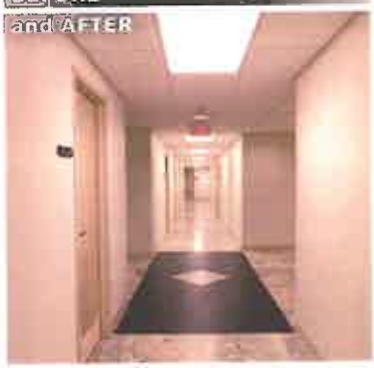


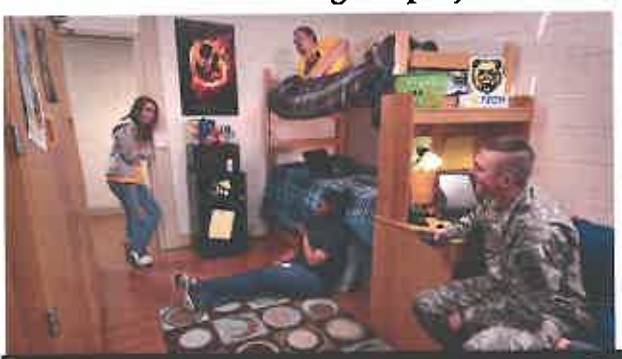


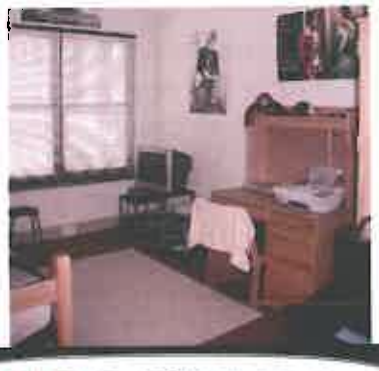












McKINLEY
ARCHITECTURE + ENGINEERING

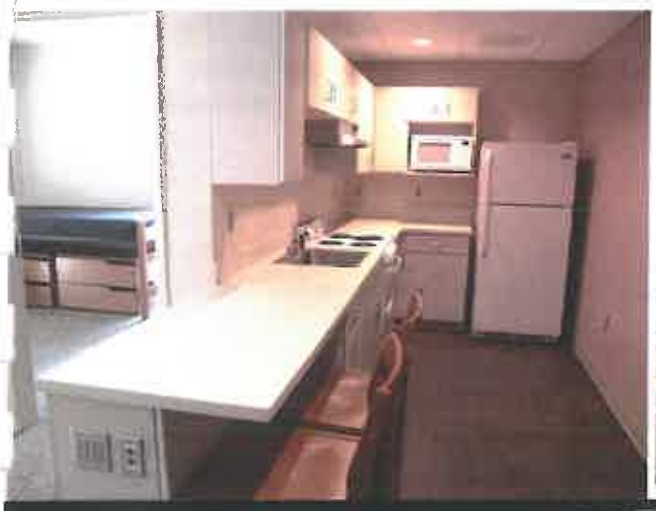
"University Terrace" College Student Apartments Housing Complex

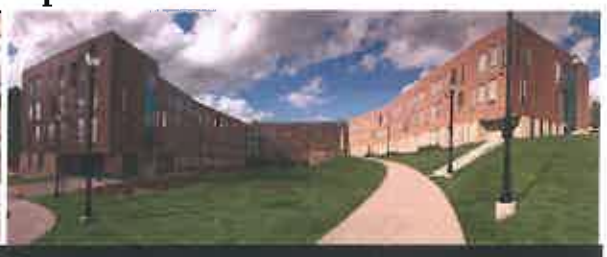
Location: Fairmont, West Virginia

Type of Project: New Construction - Full A/E Services - New Construction

Project Description, Goals, and Objectives: **McKinley & Associates led the team** that designed the **3 building, $30 million "University Terrace" College Student Apartments Housing Complex. Since the conditions and availability of student housing was of high importance to the University, this project was a high priority. This project kicked off with programming meetings, where we got the Owner's input to develop a priority list that was used as a guideline throughout the entire design phase. Defining this from the start was important, for it set a tone for the project, where every entity was on board from the beginning, and we helped transform FSU's ideas into realities.** The project includes construction of a new housing complex on an existing parking lot, followed by the demolition of 4 current wood frame three-story apartment buildings which were beyond their lifespan, and new parking lots will be built on the site of the former apartment buildings. The demolition and construction was well-planned so that there was as little downtime as possible for available student housing accommodations. There were 216 beds in the existing college apartments; **we increased the number of beds to 345**. The ground-breaking was in April 2015 and the 3 buildings were all completed between July-October 2016. The structures consist of metal and steel frame buildings with CMU stair and elevators towers; two of these buildings are linked with a glass enclosed connector. With this new **105,706 SF** complex, **the hope is that potential students will see this facility and will want to come to this University. Students want state-of-the-art facilities; they love new. The Apartments were designed to provide a welcoming, comfortable and home-like environment that will be conductive to the achievement of individual goals while also establishing a sense of community for student growth and interaction.**

University Terrace provides **fully furnished living space to students; consisting of both apartment and suite-style living.** There are **103 units**, including 41 quads and 35 semi suites, 14 doubles, and 13 singles. These all have their own **bedroom, living, kitchen, and bathroom spaces** (but semi-suites have a shared bathroom). There are multiple lobbies, lounges, multi-purpose spaces, study halls, laundry rooms, elevators and stairwells, and more. There are staff spaces, a Residence Director office, and RD double apartment. The support spaces include rooms for plumbing/fire protection, electrical, data/ telecom, housekeeping and maintenance storage. The buildings are located on the west, north and east sides of the site; creating a large courtyard for student functions, which includes landscaping and hardscaping along with a small amphitheater. The goal was to incorporate a space for students to congregate; to create a gathering space that creates a sense of community. There are many **energy-efficient design elements** throughout the apartments. For example, **we designed for this to be one of the first buildings in West Virginia with all LED interior and exterior lighting, and the bid came in for the same cost as conventional florescent lighting.** For **interior design & FF&E**; specific color and texture selections on the floors, walls, ceilings, and furnishings will enhance the lighting in the space, will create a comfortable home-like atmosphere, and were made with a focus on incorporating a neutral toned color palette and fresh accents to offer interest and contrast while establishing a timeless base that will avoid becoming tired or dated. While LEED certification is not a project requirement, **all material and finish selections, in addition to meeting practical criteria, also consider sustainability aspects.**





STAFFORD CONSULTANTS INCORPORATED
GENERAL STRUCTURAL and SITE CIVIL DESIGN PROJECTS

Mountain Eagle Distributing Warehouse Raleigh County Airport Industrial Park	Foundation design for pre-engineered building warehouse addition.
Ronceverte Elementary School Gym Ronceverte, WV	Foundation design for pre-engineered building addition to serve as a gymnasium.
North Central Advanced Technology Center Fairmont, WV	Foundation design, structural design, and retaining wall design for 36,300 sq.ft. three story structure. CMU walls with steel bar joists.
Mercer County Health Center Green Valley, WV	Foundation design, structural design, and site civil design for 11,500 sq.ft. one story structure. CMU walls with steel bar joists.
Oakvale Elementary School Oakvale, WV	Foundation design, structural design, and site civil design for 26,500 sq.ft. two story structure. CMU walls with steel bar joists.
Chuck Mathena Center for the Arts Princeton, WV	Foundation design, partial structural design, and site civil design for 1,000 seat theater and associated service areas. CMU and pre-cast concrete walls with steel frame structure.
Merriman Athletic Facilities Building Virginia Tech, Blacksburg, VA	Foundation design, structural design, and site civil design for 24,500 sq.ft. two story structure. CMU walls with steel frame structure.
Brooke County Middle School Wellsburg, WV	Foundation design, structural design, and site civil design for 112,600 sq.ft. school, consisting of one and two story sections, gymnasium, multi-purpose gym, and auditorium. CMU walls with steel frame structure.
Weirton Elementary School Weirton, WV	Site civil design for a 105,300 sq.ft. elementary school, including two parking lots and access road. Drainage design included an underground stormwater detention system.
Cameron High School Cameron, WV	Site civil design for a 126,000 sq.ft. high school, including two parking lots and access road. The project also included a biological wastewater treatment plant.
Willamstown High School	Site civil design for renovations at the high school to provide parking and sidewalk improvements. Work also included a new tennis court and basketball court.

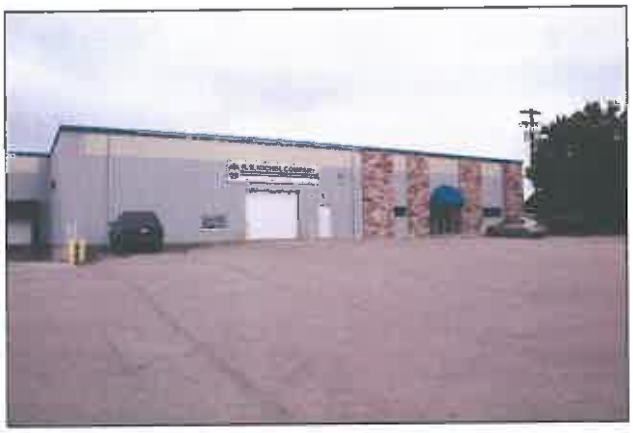
STAFFORD CONSULTANTS INCORPORATED
GENERAL STRUCTURAL and SITE CIVIL DESIGN PROJECTS

Oak Glen High School New Cumberland, WV	Site civil design for renovations and improvements to the high school multi-use stadium and athletic complex. Work included new parking areas, new sidewalks, artificial surface on the football field, synthetic surface on the running track, drainage, and water system improvements.
Hilltop Elementary School Sherrard, WV	Site civil design for new elementary school including parking, sidewalks, storm drainage, water, and sanitary sewer. Work also included a package biological wastewater treatment plant.
Parkersburg High School Parkersburg, WV	Site civil design for renovations to the high school including parking improvements, sidewalks, and drainage design.

GEOTECHNICAL EVALUATION FOR R. E. MICHEL BUILDING

Alpha Associates, Inc.
Morgantown, Monongalia County, West Virginia

Potesta & Associates, Inc. (POTESTA) was retained by Alpha Associates, Inc. of Morgantown, West Virginia to provide geotechnical related services for the R. E. Michel building now located on the northern side of the intersection between WV State Route 705 and US Route 119, along "The Mileground" in Morgantown, West Virginia. A one-story commercial structure with associated parking and loading/unloading facilities was placed on the property, which was previously used by West Virginia University's agricultural college as a cornfield.



Four soil borings were completed as part of our scope of the project and to aid in foundation recommendations. Soil depth was between 18 inches and 5 feet, with auger refusal occurring in sandstone bedrock.

In addition to soil boring activities and foundation recommendations, POTESTA performed a limited review of available information relative to coal mining activities. Based on information from the West Virginia Geological Survey (WVGS), the Pittsburgh coal seam underlies the project site. This seam is typically 5 to 8 feet thick, although areas around Morgantown exhibit seam thickness in excess of 10 feet. According to information gathered from the WVGS, as well as discussions with WVGS personnel, the project area has no records indicating it to be undermined; but given the historical nature of coal mining in the area, it is likely that a portion of the site has been mined. To further review the undermining extent, and the likelihood for subsidence potential, further subsurface exploration, down-hole camera work, and additional research would be necessary. However, given the fact that the building is metal framed, a more forgiving structure to vertical displacements, and the hard sandstone that generally overlies the Pittsburgh seam, no additional services were requested of POTESTA.

GEOTECHNICAL EVALUATION
MONONGALIA GENERAL HOSPITAL EXPANSION

Alpha Associates, Inc.
Morgantown, West Virginia

Potesta & Associates, Inc. (POTESTA) was retained by Alpha Associates, Inc. (Alpha) to provide geotechnical evaluation services for the expansion of the Monongalia General Hospital (Hospital) in Morgantown, West Virginia. POTESTA performed a subsurface exploration, which included 36 subsurface test borings and are elaborated as follows:

- Five of these borings were completed to make earthwork recommendations related to the possible excavation of the hillside adjacent to the Hospital.
- Three borings were conducted to allow for recommendations related to a proposed Mechanically Stabilized Earth (MSE) wall.
- Four borings were conducted at corner locations of the proposed central plant expansion.
- Nineteen borings were conducted at locations along the perimeter and within the proposed foundation footprint of the proposed main hospital addition.
- Five borings were located within the area of the proposed parking lot addition.

Rock coring was also performed on eight of the aforementioned borings to assist in the geotechnical recommendations. Samples were gathered and tested to provide more information pertaining to the subsurface conditions. Using the data from the subsurface exploration, POTESTA was able to provide recommendations pertaining to, but not limited to, fill material to be used, the MSE wall, earthwork excavation, groundwater, specific shallow foundations, as well as general foundations, settlement, pavement, and provided general geotechnical considerations.

FALLAM DRIVE LANDSLIDE REPAIR

Travelers Insurance
Malden, West Virginia

Potesta & Associates, Inc. (POTESTA) was retained by Travelers Insurance (Travelers) to complete a subsurface exploration and preparation of plans to fix a slip along Fallam Drive in Malden, West Virginia. A water line owned by West Virginia American Water ruptured along Fallam Drive, which resulted in a section of river bank just below Fallam Drive to fail.

POTESTA completed a topographic survey to result in mapping of the failed area and local utilities. This mapping was utilized in the final stabilized slope design and to prepare construction drawings. POTESTA completed a subsurface exploration which involved the advancement of two borings to identify the type of soils along the failed riverbank. Once the final construction plans were prepared, POTESTA assisted Travelers with the pre-bid meeting and provided a list of contractors POTESTA had worked with in the past to bid on the project. Once the contractor was awarded the job, the slope repair construction work was completed within three days.

Per your request in "General Terms and Conditions" Part 8, here you will find copies of our various Insurance Coverages.

ACORD™

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 06/19/2018

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Paull Associates 1311 Chapline Street P. O. Box 990 Wheeling, WV 26003-0123	CONTACT NAME: PHONE (A/C, No, Ext): 304.233.3303 FAX (A/C, No): 304.233.3333 E-MAIL ADDRESS: PRODUCER CUSTOMER ID #:	
INSURED McKinley & Associates, Inc. The Maxwell Centre 32-20th Street Wheeling, WV 26003	INSURER(S) AFFORDING COVERAGE	NAIC #
	INSURER A: Cincinnati Insurance Co.	10677
	INSURER B: Brickstreet Ins	Brick
	INSURER C:	
	INSURER D:	
	INSURER E:	
	INSURER F:	

COVERAGES — CERTIFICATE NUMBER: 2018-2019 COI's — REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	GENERAL LIABILITY X COMMERCIAL GENERAL LIABILITY CLAIMS-MADE X OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: POLICY PRO-JECT LOC			EPP/EBA0146335	06/15/2018	06/15/2019	EACH OCCURRENCE	$ 1,000,000
							DAMAGE TO RENTED PREMISES (Ea occurrence)	$ 500,000
							MED EXP (Any one person)	$ 10,000
							PERSONAL & ADV INJURY	$ 1,000,000
							GENERAL AGGREGATE	$ 2,000,000
							PRODUCTS - COMP/OP AGG	$ 2,000,000
								$
A	AUTOMOBILE LIABILITY ANY AUTO ALL OWNED AUTOS SCHEDULED AUTOS X HIRED AUTOS X NON-OWNED AUTOS			EPP/EBA0146335	06/15/2018	06/15/2019	COMBINED SINGLE LIMIT (Ea accident)	$ 1,000,000
							BODILY INJURY (Per person)	$
							BODILY INJURY (Per accident)	$
							PROPERTY DAMAGE (Per accident)	$
								$
								$
A	UMBRELLA LIAB X OCCUR EXCESS LIAB CLAIMS-MADE DEDUCTIBLE RETENTION $			EPP/EBA0146335	06/15/2018	06/15/2019	EACH OCCURRENCE	$ 1,000,000
							AGGREGATE	$ 1,000,000
								$
								$
B	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) Y/N N/A If yes, describe under DESCRIPTION OF OPERATIONS below			WCB1018014	12/30/2017	12/30/2018	WC STATU-TORY LIMITS X OTH-ER	
							E.L. EACH ACCIDENT	$ 1,000,000
							E.L. DISEASE - EA EMPLOYEE	$ 1,000,000
							E.L. DISEASE - POLICY LIMIT	$ 1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)
CERTIFICATE ISSUED AS PROOF OF INSURANCE.

CERTIFICATE HOLDER

MCKINLEY & ASSOCIATES, INC.
ATTN: LISA DICARLO
32-20TH STREET
WHEELING, WV 26003

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

Lee C Paull III

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 10/6/2017

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER	CONTACT NAME: Serena Turchik
The James B. Oswald Company 1100 Superior Avenue, Suite 1500 Cleveland OH 44114	PHONE (A/C, No, Ext): 216-777-6134 FAX (A/C, No): E-MAIL ADDRESS: sturchik@oswaldcompanies.com
	INSURER(S) AFFORDING COVERAGE — NAIC #
	INSURER A: Continental Insurance Company — 18313
INSURED: MCKIN-1 McKinley & Associates, Inc. 32 20th Street #100 Wheeling WV 26003	INSURER B:
	INSURER C:
	INSURER D:
	INSURER E:
	INSURER F:

COVERAGES **CERTIFICATE NUMBER: 1919827327** **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
	GENERAL LIABILITY						EACH OCCURRENCE	$
	☐ COMMERCIAL GENERAL LIABILITY						DAMAGE TO RENTED PREMISES (Ea occurrence)	$
	☐ ☐ CLAIMS-MADE ☐ OCCUR						MED EXP (Any one person)	$
							PERSONAL & ADV INJURY	$
							GENERAL AGGREGATE	$
	GEN'L AGGREGATE LIMIT APPLIES PER						PRODUCTS - COMP/OP AGG	$
	☐ POLICY ☐ PRO-JECT ☐ LOC							$
	AUTOMOBILE LIABILITY						COMBINED SINGLE LIMIT (Ea accident)	$
	☐ ANY AUTO						BODILY INJURY (Per person)	$
	☐ ALL OWNED AUTOS ☐ SCHEDULED AUTOS						BODILY INJURY (Per accident)	$
	☐ HIRED AUTOS ☐ NON-OWNED AUTOS						PROPERTY DAMAGE (Per accident)	$
								$
	☐ UMBRELLA LIAB ☐ OCCUR						EACH OCCURRENCE	$
	☐ EXCESS LIAB ☐ CLAIMS-MADE						AGGREGATE	$
	☐ DED ☐ RETENTION $							$
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY Y / N						☐ WC STATU-TORY LIMITS ☐ OTH-ER	
	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? ☐ (Mandatory in NH)	N / A					E.L. EACH ACCIDENT	$
	If yes, describe under DESCRIPTION OF OPERATIONS below						E.L. DISEASE - EA EMPLOYEE	$
							E.L. DISEASE - POLICY LIMIT	$
A	Professional Liability Claims Made Retro Date: 9/10/1981	N	Y	AEH591893924	10/10/2017	10/10/2018	Each Claim Aggregate	$1,000,000 $1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)

Waiver of Subrogation as designated above is provided when required of the Named Insured by written contract or agreement.

CERTIFICATE HOLDER

Specimen
For Purposes of Evidencing
Coverage Only WV 26003

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

Serena C Turchik

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

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

Proc Folder: 481606

Doc Description: Camp Dawson Barracks Building 246 Renovations

Proc Type: Central Purchase Order

Date Issued	Solicitation Closes	Solicitation No	Version
2018-08-07	2018-08-28 13:30:00	CEOI 0603 ADJ1900000005	1

BID RECEIVING LOCATION

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

VENDOR

Vendor Name, Address and Telephone Number:

**000000206862*
McKinley Architecture and Engineering
32 20th Street - Suite 100
Wheeling, WV 26003
(304) 233-0140

FOR INFORMATION CONTACT THE BUYER

Stephanie L Gale
(304) 558-8801
stephanie.l.gale@wv.gov

Signature X [signature] **FEIN #** 55-0696478 **DATE** 27 August 2018

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

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.

(Name, Title)
Ernest Dellatorre, President
(Printed Name and Title)
32 20th Street - Suite 100, Wheeling, WV 26003
(Address)
(304) 233-0140 | (304) 233-4613
(Phone Number) / (Fax Number)
edellatorre@mckinleydelivers.com
(email address)

CERTIFICATION AND SIGNATURE: By signing below, or submitting documentation through wvOASIS, I certify that I have reviewed this Solicitation 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 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 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.

McKinley Architecture and Engineering
(Company)

(Authorized Signature) (Representative Name, Title)

Ernest Dellatorre, President
(Printed Name and Title of Authorized Representative)

27 August 2018
(Date)

(304) 233-0140 | (304) 233-4613
(Phone Number) (Fax Number)

STATE OF WEST VIRGINIA
Purchasing Division

PURCHASING AFFIDAVIT

CONSTRUCTION CONTRACTS: Under W. Va. Code § 5-22-1(i), the contracting public entity shall not award a construction contract to any bidder that is known to be in default on any monetary obligation owed to the state or a political subdivision of the state, including, but not limited to, obligations related to payroll taxes, property taxes, sales and use taxes, fire service fees, or other fines or fees.

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

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

DEFINITIONS:

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

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

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

AFFIRMATION: By signing this form, the vendor's authorized signer affirms and acknowledges under penalty of law for false swearing (*W. Va. Code* §61-5-3) that: (1) for construction contracts, the vendor is not in default on any monetary obligation owed to the state or a political subdivision of the state, and (2) for all other contracts, that neither vendor nor any related party owe a debt as defined above and that neither vendor nor any related party are in employer default as defined above, unless the debt or employer default is permitted under the exception above.

WITNESS THE FOLLOWING SIGNATURE:

Vendor's Name: McKinley Architecture and Engineering

Authorized Signature: _____ Date: 27 August 2018

State of West Virginia

County of Ohio, to-wit:

Taken, subscribed, and sworn to before me this 27 day of August, 2018.

My Commission expires August 16, 2020.

AFFIX SEAL HERE

OFFICIAL SEAL
NOTARY PUBLIC
STATE OF WEST VIRGINIA
KATHRYN McKINLEY
McKinley & Associates
32 - 20th Street, Suite 100
Wheeling, West Virginia 26003
My Commission Expires Aug. 16, 2020

NOTARY PUBLIC _____

West Virginia Ethics Commission

Disclosure of Interested Parties to Contracts

(Required by *W. Va. Code* § 6D-1-2)

Contracting Business Entity: McKinley Architecture and Engineering **Address:** 32 20th Street - Suite 100, Wheeling, WV 26003

Authorized Agent: Ernest Dellatorre **Address:** (same as above)

Contract Number: CEOI 0603 ADJ1900000005 **Contract Description:** Camp Dawson Barracks Building 246 Renovations

Governmental agency awarding contract: West Virginia Army National Guard, Construction and Facilities Management Office

☐ **Check here if this is a Supplemental Disclosure**

List the Names of Interested Parties to the contract which are known or reasonably anticipated by the contracting business entity for each category below *(attach additional pages if necessary)*:

1. **Subcontractors or other entities performing work or service under the Contract**
   ☐ **Check here if none, otherwise list entity/individual names below.**
   Stafford Consultants
   Potesta & Associates

2. **Any person or entity who owns 25% or more of contracting entity (not applicable to publicly traded entities)**
   ☒ **Check here if none, otherwise list entity/individual names below.**

3. **Any person or entity that facilitated, or negotiated the terms of, the applicable contract (excluding legal services related to the negotiation or drafting of the applicable contract)**
   ☒ **Check here if none, otherwise list entity/individual names below.**

Signature: Ernest Dellatorre **Date Signed:** 8-27-18

Notary Verification

State of West Virginia **, County of** Ohio .

I, Ernest Dellatorre **, the authorized agent of the contracting business entity listed above, being duly sworn, acknowledge that the Disclosure herein is being made under oath and under the penalty of perjury.**

Taken, sworn to and subscribed before me this 27 **day of** August **,** 2018 .

Kathryn McKinley
Notary Public's Signature

To be completed by State Agency:

Date Received by State Agency: _____

Date submitted to Ethics Commission: _____

Governmental agency submitting Disclosure: _____

OFFICIAL SEAL
NOTARY PUBLIC
STATE OF WEST VIRGINIA
KATHRYN McKINLEY
McKinley & Associates
32 20th Street, Suite 100
Wheeling, West Virginia 26003
My Commission Expires Aug 16 2017

	Purchasing Divison 2019 Washington Street East Post Office Box 50130 Charleston, WV 25305-0130	State of West Virginia Centralized Expression of Interest 02 — Architect/Engr

Proc Folder: 481606

Doc Description: Addendum #1 Camp Dawson Barracks Building 246 Renovations

Proc Type: Central Purchase Order

Date Issued	Solicitation Closes	Solicitation No	Version
2018-08-08	2018-08-28 13:30:00	CEOI 0603 ADJ1900000005	2

BID RECEIVING LOCATION

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

VENDOR

Vendor Name, Address and Telephone Number:

**000000206862*
McKinley Architecture and Engineering
32 20th Street - Suite 100
Wheeling, WV 26003
(304) 233-0140

FOR INFORMATION CONTACT THE BUYER

Stephanie L Gale
(304) 558-8801
stephanie.l.gale@wv.gov

Signature X FEIN # 55-0696478 DATE 27 August 2018

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

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

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

Proc Folder: 481606

Doc Description: Addendum #2 Camp Dawson Barracks Building 246 Renovations

Proc Type: Central Purchase Order

Date Issued	Solicitation Closes	Solicitation No	Version
2018-08-09	2018-08-29 13:30:00	CEOI 0603 ADJ1900000005	3

BID RECEIVING LOCATION

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

VENDOR

Vendor Name, Address and Telephone Number:

**000000206862*
McKinley Architecture and Engineering
32 20th Street - Suite 100
Wheeling, WV 26003
(304) 233-0140

FOR INFORMATION CONTACT THE BUYER

Stephanie L Gale
(304) 558-8801
stephanie.l.gale@wv.gov

Signature X FEIN # 55-0696478 **DATE** 27 August 2018

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

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

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

Proc Folder: 481606

Doc Description: Addendum #3 Camp Dawson Barracks Building 246 Renovations

Proc Type: Central Purchase Order

Date Issued	Solicitation Closes	Solicitation No	Version
2018-08-22	2018-08-29 13:30:00	CEOI 0603 ADJ1900000005	4

BID RECEIVING LOCATION

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

VENDOR

Vendor Name, Address and Telephone Number:

**000000206862*
McKinley Architecture and Engineering
32 20th Street - Suite 100
Wheeling, WV 26003
(304) 233-0140

FOR INFORMATION CONTACT THE BUYER

Stephanie L Gale
(304) 558-8801
stephanie.l.gale@wv.gov

Signature X [signature] **FEIN #** 55-0696478 **DATE** 27 August 2018

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

ADDENDUM ACKNOWLEDGEMENT FORM
SOLICITATION NO.:
CEOI 0603 ADJ1900000005

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)

- [x] Addendum No. 1
- [x] Addendum No. 2
- [x] Addendum No. 3
- [ ] Addendum No. 4
- [ ] Addendum No. 5
- [ ] Addendum No. 6
- [ ] Addendum No. 7
- [ ] Addendum No. 8
- [ ] Addendum No. 9
- [ ] 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.

McKinley Architecture and Engineering
Company

Authorized Signature

27 August 2018
Date

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