



General Services Division



CEOI 0211 GSD1900000011



**Architectural / Engineering Services
East Campus Assessment and
Metal Building Design Project**



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WV PURCHASING
DIVISION



McKINLEY
ARCHITECTURE + ENGINEERING



in association with:



TERRADON
CORPORATION

June 11, 2019

Melissa K. Pettrey
Senior Buyer
Department of Administration, Purchasing Division
2019 Washington Street East
Charleston, WV 25305-0130

Dear Ms. Pettrey and Member of the Selection Committee;

McKinley Architecture and Engineering and TERRADON Corporation (McKinley/TERRADON Team) have teamed up again, and are pleased to provide the General Services Division with our expression of interest to provide architectural and engineering services for planning and design services, cost estimating and construction documents to complete the programming and design for the construction of potential multiple metal structural system buildings providing equipment storage, specialized offices, warehousing facilities, and suiting other potential purposes, on property owned and operated by the Agency on the eastern perimeter of the WV State Capitol Complex. As you review this submission, we emphasize the following strengths of the McKinley/TERRADON Team with respect to your project:

McKinley Architecture and Engineering (*McKinley & Associates*) is a **full service Architectural / Engineering** firm that has been providing design services since 1981. With offices in **Charleston** and **Wheeling, WV** and **Pittsburgh, PA**, we support a professional staff of **Architects, Engineers, Construction Administrators, LEED Accredited Professionals specializing in Building Design and Construction, a Qualified Commissioning Process Provider**, and more. We know innovative design and the newest technology, and we know **how and when to apply it effectively**. Not only have we won multiple **local and State awards and recognitions** for our designs, we have also won many **National awards and recognitions**.

Our firm has considerable experience in facilities designed for State and Federal agencies in West Virginia. We have experience with various land **assessment**, planning, development and implementation projects, such as the Millennium Centre Technology Park, Celeron Plaza Office Park, Wetzel County Industrial Park, and multiple structures at the Highland Development among others. We have worked on multiple **warehouse** buildings, **metal buildings, equipment storage** facilities, and other large span facilities, which range in size from tens of thousands of square feet to **over 1,200,000 SF!**

TERRADON Corporation offers a multi-faceted approach to design engineering and consulting services. Since 1989, TERRADON staff have provided a wealth of engineering solutions blanketing West Virginia with successful projects. The **second-generation, family-owned business** built its reputation on expert personnel and quality, time-sensitive service. Those same

founding principles hold true today. Their service departments work cohesively to provide turn-key solutions that strive to exceed client expectations.

The TERRADON staff includes **engineers, landscape architects, surveyors, planners, environmental scientists, designers, technicians and LEED Accredited Professionals.** TERRADON offers **professional engineering services for civil/site; land development; transportation; energy** including permitting, inspection and design; **environmental** including brownfields, testing and analysis; field services; **utilities; geotechnical** analysis, and much more. TERRADON Corporation maintains leading-edge staff in three locations: Nitro/Poca, WV; Lewisburg, WV; and Fayetteville, WV. TERRADON is a **certified Women's Business Enterprise** as defined by the Women's Business Enterprise National Council and is the largest woman-owned engineering firm in West Virginia.

In closing, you will see in this submittal that we have included **several professionals** to handle all aspects of the East Campus Assessment and Metal Building Design project. If your project requires additional staffing, the McKinley/TERRADON Team has the ability to dedicate additional resources to accomplish your goals.

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. We are committed to each of our projects. 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.** So that you don't only have to take our word for it; we encourage you to speak with our references because we feel this is the best way that our abilities can be conveyed to you.

The McKinley Architecture and Engineering and TERRADON Corporation Team are currently working together with the City of Weirton for their Park Drive development.

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/TERRADON Team for your project.

Sincerely,



Ernest Dellatorre
President

McKinley Architecture and Engineering
(304) 340-4267 x115
edellatorre@mckinleydelivers.com



For your convenience, we have ordered and answered our Expression of Interest by following your criteria listed in "SECTION THREE: PROJECT SPECIFICATIONS - Part 3. Qualifications, Experience, and Past Performance."

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

For overall capabilities to perform this work; first and foremost, the McKinley/TERRADON Team can state that our design team and large professional staffs will devote the time necessary to provide the General Services Division with a successful project.

McKinley Architecture and Engineering (*McKinley & Associates*) was founded on July 1, 1981. We are a multi-discipline full service Architecture & Engineering firm, offering comprehensive in-house professional services in Architecture, Engineering, Sustainable and Energy Efficient (LEED) Design, Construction Administration, and more. Our corporation is Headquartered in Wheeling, West Virginia, and also has satellite offices in Charleston, West Virginia, and Pittsburgh, Pennsylvania. By virtue of our proximity, we can provide project services in an economical, effective and efficient manner, while also responding expeditiously to your project's needs.

We believe our strength lies in the quality of the people we employ. Our seasoned staff has an unsurpassed knowledge of the business and the dedication it takes to make each project a success. As a 38 year old firm, we also take pride in the individual stability of the workforce. Our Director of Engineering Services, Tim E. Mizer, PE, RA, QCxP, who is an Architectural Engineer, Architect, and Qualified Commissioning Process Provider, has been at McKinley Architecture and Engineering since 1995.

TERRADON's diverse team of 95 professionals work together on projects to offer a wide range of services in house to keep project centrally focused. By providing this range of services, TERRADON is able to work completely as a team to offer clients the most rewarding design. TERRADON is the largest, woman-owned engineering firm in West Virginia. TERRADON maintains professionally registered engineers, landscape architects, and surveyors as well as a competitive team of highly certified inspectors and environmental specialists.

TERRADON's Land Planning and Development department offers creative and innovative site design plans that have been brought to life throughout the region. Land Planning and Development engineers, landscape architects and CAD designers work closely with other departments to deliver the most efficient design for each project.

For the entire McKinley/TERRADON Team; your design team members have been chosen, and will devote the time needed to design your project on schedule. We are available to start immediately upon being selected. In addition to those key team members whose resumes are seen later in the submittal; the McKinley/TERRADON Team currently has the ability to dedicate additional resources and can also attribute more professionals from our various trades to accomplish your goals. We will be available during the term of the project. We can and will perform for you on time.

A flow chart of the entire design team is seen on the following page, followed by resumes of the key staff, and information about our Corporations.

Project Manager / Point of Contact

■ Thomas R. Worledge, AIA, LEED AP BD+C, REFP

Architecture

■ Thomas R. Worledge, AIA, LEED AP BD+C, REFP
Architect / LEED Accredited Professional Specializing in Building Design & Construction

Engineering Team

■ Tim E. Mizer, PE, RA, QCxP
Director of Engineering Services / Architectural & Mechanical Engineer / Architect / HVAC Qualified Commissioning Process Provider

■ Bruce A. Kennedy, PE
Electrical Engineer

■ Scott D. Kain
Plumbing Engineering Designer

■ Michael A. Heath
HVAC & Fire Protection Engineering Designer

■ David A. Ullom
Mechanical Engineering Designer

Land Development

■ Greg Fox, ASLA, LEED AP
VP Land Development / Landscape Architect / LEED Accredited Professional

■ Shawn Gray, ASLA
Site Designer & Land Planner / Landscape Architect

■ Robert Thaw, PS
VP Survey

■ Dave Brown, PS
Survey Manager

■ Chris Hancock
Geotechnical Engineering Project Manager

■ Jim Nagy, PE
Senior Engineer / Civil Engineer

■ John James, PE
Senior Engineer / Geotechnical Engineer

Construction Administration

■ Robert E. "Bob" Smith

Thomas R. Worlledge, AIA, LEED AP BD+C, REFP

Architect / Specialized LEED Accredited Professional



EDUCATION:

Virginia Polytechnic Institute & State University
Master of Architecture - 1992

Fairmont State College, School of Technology
B.S. Architectural Eng. Tech. - 1983

PROFESSIONAL AFFILIATIONS AND REGISTRATIONS:

Registered Architect in:

West Virginia
Ohio
Pennsylvania
Tennessee
Virginia

National Board Certification:

NCARB #48600

President:

West Virginia Society of Architects

Member:

The American Institute of Architects
US Green Building Council
Sustainable Building Industries Council
Recognized Educational Facility Professional

Founder & Chairman of the Board:

US Green Building Council's WV Chapter

Former Voting Member:

ASHRAE 90.1 Int'l Energy Code Committee

PROFESSIONAL EMPLOYMENT:

McKinley Architecture and Engineering
Manager, Charleston Office
Charleston, WV (2005 to present)

Proactive Architecture Inc.
President
Charleston, WV (1999-2005)

Silling Associates Inc.
Vice President
Charleston, WV (1992-1999)

TAG Architects
Charleston, WV (1985-1990)

Alpha Associates Inc.
Morgantown, WV (1983-1985)

SUMMARY OF EXPERIENCE:

Mr. Worlledge is a skilled **Architect** with over 35 years of experience, who has been the former President of the WV chapter of AIA, has received State-wide and National design awards, and placed in National and Global design competitions. Thom was the **first LEED AP in West Virginia**, has been a member of the USGBC since 2001, and is a Founder & Chairman of the Board for USGBC's West Virginia Chapter. As a **LEED Accredited Professional specializing in Building Design & Construction** and a **recognized sustainable design expert**, he has **2 LEED Certified, multiple LEED Registered, CHPS Registered, and other energy-efficient projects**; had articles published in state and national trade publications; spoken before architectural students, ASHRAE chapters, and business groups on sustainable design issues; was a featured speaker at multiple National conferences; served on the committee that sets the standards for the International Energy Code; and as a professional trainer for the Sustainable Building Industries Council, he teaches other design professionals in the art of High Performance design. He is also a **Recognized Educational Facility Professional (REFP)** as designated by the A4LE.

NOTABLE PROFESSIONAL ACHIEVEMENTS:

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

WVDHHR's new Ohio County office fit-out / renovations

United States Postal Service - Open-End IDIQ (Indefinite Delivery / Indefinite Quantity) contract / multiple projects across WV

Big Sandy Arena & Convention Center

West Virginia State Police - Open-End A/E contract / multiple projects across WV, including WVSP Academy's renovations to Buildings A, B, & C; new Buildings D & Multi-Purpose Building. New Logan Detachment

West Virginia School Building Authority - State-Wide School Safety/ Vulnerability Assessments. New construction & renovations for multiple districts, including Boone, Hancock, Marshall, & Wood County Schools

Veterans Affairs Medical Centers - multiple VAMCs around WV and PA

West Virginia University - Open End A/E contract / University Police Building office fit-out & WVU Tech's Maclin Hall Dormitory renovations

Fairmont State University - "University Terrace" College Student Housing Apartments 3 Building Complex

Southern WV Community & Technical College - Wyoming/McDowell Campus renovations and Williamson Campus renovations

West Virginia State University - Gus R. Douglass Economic Development Center (DigiSo) renovations/repurpose

Charleston Enterprise Center office renovation (**2009 WV AIA Design Award winner / energy efficient "green" design**)

Natural Energy Design (N&D) Building (**energy efficient "green" / 2013 Placemaker Award**)

Marshall County Schools - Hilltop Elementary School (**LEED Certified - won multiple WV and National Awards & Recognitions**)

Williamson Redevelopment Authority's SMART Office fit-out (**LEED Registered / 2013 Placemaker Award**)

Tim E. Mizer, PE, RA, QcXP

Architectural Engineer / Architect / Commissioning Provider

Director of Engineering Services

EDUCATION:

Kansas State University
B.S. Architectural Engineering - 1983

University of Cincinnati
Architecture

PROFESSIONAL AFFILIATIONS AND REGISTRATIONS:

Registered Engineering in:
Ohio
West Virginia

Registered Architect in:
Ohio

**Qualified Commissioning Process
Provider**

PROFESSIONAL EMPLOYMENT:

McKinley Architecture and Engineering
Director of Engineering Services
Architect / Engineer
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:

Mr. Mizer is a very talented and unique professional being both a **Professional Engineer** and a **Registered Architect**. He joined McKinley Architecture and Engineering in 1995, and has over 30 years of experience. Mizer's background as 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, he is also a **Qualified Commissioning Process Provider**, and 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 Services, Mr. Mizer'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.

NOTABLE PROFESSIONAL EXPERIENCES:

West Virginia Army National Guard - multiple projects, including AASF#1 Maintenance Hangar & Garage renovations

Panhandle Cleaning & Restoration warehouse & office building

Cabela's Eastern Distribution Center

Carenbauer's Distribution Warehouse

United States Postal Service - multiple projects, including Processing & Distribution Centers

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

Building 34: WV State Office Complex in Weirton

Mattern Tire Service Center

WVU State Fire Training Academy

Wheeling Island Fire Station

West Virginia State Police - multiple projects

Raleigh County Emergency Services Authority

Nicholas Co. Division of Homeland Security & Emergency Management

The Towers Building renovations

Jefferson County Jobs & Family Services renovations

Harrison County Jobs & Family Services renovations

Holiday Inn Express & Suites - multiple projects

Boone County Schools - multiple projects

Brooke County Schools - multiple projects

Grant County Schools - multiple projects

Hancock County Schools - multiple projects

Marshall County Schools - multiple projects, including LEED Certified

Ohio County Schools - multiple projects

Bruce A. Kennedy, PE

Electrical Engineer

EDUCATION:

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

DeVry Institute of Technology

PROFESSIONAL AFFILIATIONS AND REGISTRATIONS:

Registered Engineering in:

West Virginia
Ohio
Pennsylvania
Texas

MILITARY SERVICE:

US Air Force - Honorable Discharge

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 renovations

Belmont County Divisional Courts & Offices renovations

The Towers Building renovations

Harrison County Schools - Johnson Elementary School

Tyler County Schools - multiple projects

Wetzel County Schools - New Martinsville School renovations

Wetzel County Schools - Valley High School meat lab

Wetzel County Schools - Valley Field House

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.

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
Panhandle Cleaning & Restoration warehouse/garage/office building
Cabela's Eastern Distribution Center
Carenbauer's Distribution Warehouse
Steel Valley Regional Transit Authority
West Virginia University - new State Fire Training Academy
Wheeling Island Fire Station
West Virginia State Police - multiple projects / new & renovations
Boone County Schools - multiple projects
Brooke County Schools - multiple projects
Grant County Schools - multiple projects
Hancock County Schools - multiple projects
Marshall County Schools - multiple projects, including LEED Certified
Ohio County Schools - multiple projects
Tyler County Schools - multiple projects
Wetzel County Schools - multiple projects
Wood County Schools - multiple projects
Building 55: WV State Office Complex in Logan (LEED Certified)
Building 34: WV State Office Complex in Weirton
Wheeling Island Hotel•Casino•Racetrack multiple projects
Orrick's Global Operations Center
Millennium Centre Technology Park
Holiday Inn Express & Suites - multiple projects in 4 States
Cadiz Presbyterian Church Maintenance master plan
Jefferson County (OH) Jobs & Family Services renovations
Harrison County Jobs & Family Services renovations
Charleston Enterprise Center renovations (2009 WV AIA Design Award)

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

Panhandle Cleaning & Restoration

Cabela's Eastern Distribution Center

Silver Company - Moss Neck Storage Building

Carenbauer's Distribution Warehouse

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

West Virginia Health & Human Resources' Wheeling Office

United States Postal Service - multiple projects

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

Boone County Schools - multiple projects

Hancock County Schools - multiple projects

Marshall County Schools - multiple projects

Ohio County Schools - multiple projects

Tyler County Schools - multiple projects

Wetzel County Schools - multiple projects

WVU University Police Building

Bennett Square business center

PWP Industries

Wheeling Island Hotel•Casino•Racetrack - various projects

West Virginia Independence Hall

Candlewood Suites Hotel

Holiday Inn Express Hotel & Suites - 5 Hotels in 4 States

David A. Ullom

Mechanical Engineering Designer

EDUCATION:

Fairmont State University
B.S. Mechanical Engineering Technology - 2011

Pierpont Community and Technical College
Associates Degree in Applied Sciences:
Drafting and Design - 2011

PROFESSIONAL EMPLOYMENT:

McKinley Architecture and Engineering
Engineering Designer
Wheeling, WV (2019 to present)

Kennametal Inc.
Sales Engineer (2016-2019)
Applications Engineer (2012-2016)
Latrobe, PA

Marion County Assessors Office
Map Developer
Fairmont, WV (2010-2012)

SUMMARY OF EXPERIENCE:

Mr. Ullom is a results-driven individual who prioritizes safety, cost-effective solutions, and exceeding customer expectations. He is proficient in Autocad, Inventor, and Revit software. David also has experience as a Sales Engineer, Applications Engineer, and Map Developer, which provides an unique understanding for problem solving.

NOTABLE PROFESSIONAL EXPERIENCES:

Belmont County Divisional Courts

Ohio County Schools - Bridge Street Middle School renovations

Ohio County Schools - Madison Elementary School renovations

Ohio County Schools - RESA 6 Building renovations

WVU Medicine - Reynolds Memorial Hospital renovations

The Towers Building HVAC

Mining sales in Illinois, Alabama, Kentucky, Ohio, and West Virginia.

Specialist in conical cutting and drilling tools for coal applications.

Reviewed test plans and procedures to ensure adequate coverage of system requirements.

Collaborated with scientific, engineering, and technical personnel to resolve testing problems and system malfunctions.

Created comprehensive test plans, test scripts, and use cases to support testing objectives.

Worked in different geologies across North America assisting sales force in finding the best product for the customer.

Developed and edited maps for the Assessor's office in Marion county, WV (Fairmont).

Gained experience in geographic information systems (GIS).

Robert E. "Bob" 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

Village Administrator:

City of Mingo Junction (2015 to present)

Commander:

American Legion Post 351 (2008 to present)

PROFESSIONAL EMPLOYMENT:

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

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

Edison Local School District
Director of Operations (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 has been a **Construction Administrator** at McKinley Architecture and Engineering for 10 years. Bob 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:

West Virginia Army National Guard - AASF#1 HVAC renovations

Cabela's Eastern Distribution Center

Steel Valley Regional Transit Authority

United States Postal Service - 2 Open-End IDIQ contracts /
multiple projects

The Towers Building renovations, multiple phases

City of Steubenville - multiple projects

Fairmont State University's new 3 building "University Terrace"
Student Housing Apartment Complex

Brooke County Schools - District-Wide Construction Program
(\$36 million), including new buildings, and renovations

Grant Co. Schools - multiple projects, including Maysville
renovations, & Union Educational Complex addition/renovations

Hancock Co. Schools - District-Wide Construction Program (\$56
million), including new buildings, renovations, and additions

Marshall Co. Schools - District-Wide Construction Program (\$38
million), including new buildings, renovations, and additions.
Also includes Hilltop Elementary (LEED Certified)

Marshall Co. Schools - Cameron High (LEED Registered)

Tyler Co. Schools - multiple projects

The Linsly School - 200th Anniversary Campaign, including
Banes Hall addition/renovations and Stifel Field House / Behrens
Memorial Gymnasium renovation

Jefferson County Courthouse renovations & Annex demo

Jefferson County Jobs & Family Services roof

Harrison County Courthouse roof

Cameron American Legion Exterior Renovations

Lincoln National Bank Building renovations

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, warehouse, industrial, commercial/office**, emergency service, PK-12 schools, higher educational, sports & recreation, medical, 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 Services

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

Date of Incorporation

July 1, 1981
Wheeling, West Virginia

Professionals

Architects
Engineers
Arch./Eng. Designers
Construction Admins.
LEED AP BD+C
ALEP (CEFP)
REFP
Commissioning Provider
Historic Preservationist

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

100 Bradford Road
Suite 400
Wexford, PA 15090
P: 724-719-6975

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



GREG FOX, ASLA, LEED AP

VP Land Development



Greg Fox oversees TERRADON's Land Development Sector. Fox has been responsible for hundreds of notable commercial, educational and recreational site development projects during his 25+ year career. During his time as Land Development Department Head, TERRADON has earned Engineering Excellence Awards from the West Virginia Association of Consulting Engineers, numerous Merit Awards from the American Society of Landscape Architects, and the Gold Award from the American Council of Engineering Companies.

PROJECT EXPERIENCE

K-12 Educational Facilities

Responsible for Master Planning, Site Layout and Design, Schematic Renderings, Parcel Identification, Feasibility and Cost Analysis, and construction drawings for hundreds of k-12 educational facilities throughout West Virginia. Additionally, Fox has provided site selection services on new school projects or relocation of school facilities throughout West Virginia. Projects include new construction as well as renovations and additions.

Rainelle Elementary School, Greenbrier County, WV

TERRADON completed site engineering for a new elementary school in Rainelle, WV. Working as a subconsultant to the architect, TERRADON provided the following: Survey and Mapping, Site Planning, Grading and Layout, Utility Design, Construction Drawings and Landscape Architecture. TERRADON's geotechnical engineering was vital to the project's success as designs accounted for the difficult soils in the area. TERRADON's site design package included parking areas and drainage design, traffic circulation patterns, hardscapes and softscapes.

Lewisburg Elementary School, Greenbrier County, WV

TERRADON Corporation was responsible for site/ civil construction documents for Greenbrier County Schools for Lewisburg Elementary School. TERRADON provided Civil Engineering, Surveying and Mapping and Land Development.

Suncrest Elementary School, Monongalia County, WV

TERRADON recently provided site civil engineering services for Suncrest Elementary School in Morgantown, WV. Students broke ground on the school site in May 2015, and an 18-month construction period is anticipated. Suncrest Elementary School could open in the 2016-2017 school year. The school was funded in part by the West Virginia School Building Authority. TERRADON provided the following: Survey and Mapping, Site Planning, Grading and Layout, Utility Design, Construction Drawings and Landscape Architecture.

Leading Creek Elementary School, Lewis County, WV

TERRADON recently provided site civil engineering services for Leading Creek Elementary School, West Virginia's first inter-county school. Leading Creek Elementary School sits directly on the Lewis-Gilmer County line and opened in 2015. The total cost of the school was more than \$10M and was funded by the West Virginia School Building Authority. TERRADON provided the following: Survey and Mapping, Site Planning, Grading and Layout, Utility Design, Construction Drawings and Landscape Architecture.

Gilmer County Elementary School, Gilmer County, WV

TERRADON recently provided site civil engineering services for Gilmer County Elementary School near Glenville, WV. TERRADON provided the following: Survey and Mapping, Site Planning, Grading and Layout, Utility Design, Construction Drawings and Landscape Architecture. This project is LEED Silver Targeted and was funded in part by the West Virginia School Building Authority.

EDUCATION

B.A. Landscape Architecture
West Virginia University

B.A. Geography & Planning
West Virginia University

TOTAL YEARS EXPERIENCE
30

GREG FOX, ASLA, LEED AP

VP Land Development



Eastern Greenbrier Middle School, Greenbrier County, WV

TERRADON Corporation was responsible for site/ civil construction documents for Greenbrier County Schools for Eastern Greenbrier Middle School. TERRADON provided Civil Engineering, Surveying and Mapping and Land Development.

Mingo Central High School, Mingo County, WV

TERRADON completed site engineering for a beautiful 76,000 Square Foot facility for Mingo Central High School in Mingo County, WV. TERRADON provided the following: Survey and Mapping, Site Planning, Grading and Layout, Utility Design, Construction Drawings and Landscape Architecture. TERRADON has provided a number of successful land planning and Design Services in Mingo County. Working with former Mingo County Redevelopment Director Mike Whitt, TERRADON provided a master plan and feasibility rendering for the Lenore Business Park. Additionally, TERRADON engineering provided preliminary site schematics for utility engineering on the Industrial Park. Located on a former surface mine site, TERRADON helped mitigate and revitalize this area of Mingo County.

Greenbrier West High School, Greenbrier County, WV

TERRADON Corporation was responsible for site/civil construction documents for Greenbrier County Schools for Greenbrier West School. TERRADON provided, Civil Engineering, Surveying and Mapping, and Land Development.

University High School, Monongalia County, WV

TERRADON Corporation provided complete design for University High School including site construction documents for the proposed academic building that included 500 parking spaces and several accessory buildings. A proposed football field and track were also part of the campus plan and included locker rooms, concessions/restrooms and bleacher seating for approximately 6000 people. TERRADON also coordinated with the Field Turf supplier to create drainage details for the proposed artificial field surface. TERRADON was responsible for water, sewer, drainage, and Erosion permits including coordination with the Corp of Engineers for onsite stream disturbance.

Buffalo High School, Putnam County, WV

TERRADON performed site engineering for the 94,000 Square Foot facility for Buffalo High School in Putnam County, WV. Working as a subconsultant to the architect, TERRADON provided the following: Survey and Mapping, Site Planning, Grading and Layout, Utility Design, Construction Drawings and Landscape Architecture.

Hurricane High School, Putnam County, WV

TERRADON performed design for athletic facilities upgrades at Hurricane High School in Putnam County, WV. The project included design,, layout and grading for the football field and baseball field, and preparation of the track for new overlay. The project included design for all synthetic playing surface for the football and baseball fields. TERRADON has also provided engineering design services for the Hurricane High School Soccer Field.

Shady Spring Middle School, Raleigh County, WV

TERRADON Provided Land Development services for the Shady Spring Middle School project in Raleigh County, WV. Working through the architect, TERRADON was responsible for providing all site civil engineering. TERRADON's services included: New Construction Package with drainage, site development, athletic field development, pedestrian walkways, grading plans, and landscape architecture.

Smoot Elementary School, Greenbrier County, WV

TERRADON Provided Land Development services for the Smoot Elementary School project. Working through the architect, TERRADON was responsible for providing all site civil engineering. TERRADON's services included: New Construction Package with drainage, site development, athletic field development, pedestrian walkways, grading plans, and landscape architecture.

Fairmont State University, Marion County, WV

Responsible for Master Planning and Design of inner campus, including design of seating fountain, drainage features and landscaping.

SHAWN GRAY, ASLA

Site Designer & Land Planner



Shawn Gray is an experienced Site Designer and Land Planner who serves as an integral part of the TERRADON design team. He offers experience on many of TERRADON's highest profile projects, focusing on large scale site development and parks and recreation projects. Gray also provides site design and landscape architecture services for K-12 and Higher Education projects. He is responsible for developing site, grading landscape and utility plans, site detailing and erosion sediment control plans and permitting.

PROJECT EXPERIENCE

Mingo Central High School, Mingo County, WV

TERRADON completed site engineering for a beautiful 76,000 Square Foot facility for Mingo Central High School in Mingo County, WV. TERRADON provided the following: Survey and Mapping, Site Planning, Grading and Layout, Utility Design, Construction Drawings and Landscape Architecture. TERRADON has provided a number of successful land planning and Design Services in Mingo County. Working with former Mingo County Redevelopment Director Mike Whitt, TERRADON provided a master plan and feasibility rendering for the Lenore Business Park. Additionally, TERRADON engineering provided preliminary site schematics for utility engineering on the Industrial Park. Located on a former surface mine site, TERRADON helped mitigate and revitalize this area of Mingo County.

Greenbrier West High School, Greenbrier County, WV

TERRADON Corporation was responsible for site/civil construction documents for Greenbrier County Schools for Greenbrier West School. TERRADON provided, Civil Engineering, Surveying and Mapping, and Land Development.

University High School, Monongalia County, WV

TERRADON Corporation provided complete design for University High School including site construction documents for the proposed academic building that included 500 parking spaces and several accessory buildings. A proposed football field and track were also part of the campus plan and included locker rooms, concessions/restrooms and bleacher seating for approximately 6000 people. TERRADON also coordinated with the Field Turf supplier to create drainage details for the proposed artificial field surface. TERRADON was responsible for water, sewer, drainage, and erosion permits including coordination with the Corp of Engineers for onsite stream disturbance.

Buffalo High School, Putnam County, WV

TERRADON performed site engineering for the 94,000 Square Foot facility for Buffalo High School in Putnam County, WV. Working as a subconsultant to the architect, TERRADON provided the following: Survey and Mapping, Site Planning, Grading and Layout, Utility Design, Construction Drawings and Landscape Architecture.

Ohio Valley University – Vienna, WV

Project consisted of designing a sports complex for the university. New amenities included a track and field events, soccer field, baseball field, new softball field, tennis courts, parking, basketball arena with amenities, and an outdoor sports hall of fame. Project also consisted of site grading and a budget estimate.

Berkeley County Board of Education, Berkeley County, WV

Provided layout, site design, and CAD drawings for various K-12 improvements. Projects consisted of site layout, grading, utility layout, profiles, hardscapes, and landscape architecture.

EDUCATION

B.S. Landscape Architecture
West Virginia University

TOTAL YEARS EXPERIENCE

13

ROBERT THAW, PS

Vice President Survey



With more than 35 years of experience in a wide range of surveying projects, Robert Thaw serves as head of TERRADON's Survey and Mapping department. He organizes and supervises survey crews, reviews project plans, and creates base mapping for various projects including noise barriers, interchanges, connectors, bypasses, sidewalks, bike paths, and bridges. Thaw oversees all TERRADON survey activities, including: preparation of Right-Of-Way plans; the development of GPS static networks for aerial mapping in the design of roadways; identification of existing utilities and property lines; base image development and control placement for construction projects; and drafting of legal descriptions for ROW parcels.

PROJECT EXPERIENCE

Grayson Lake Boundary Survey—USACE, Grayson Lake, KY

Survey Project Manager for the boundary survey project at USACE Grayson Lake property to recover over 150 boundary monuments. Responsibilities included management of land surveys including property surveys, documenting monuments and boundary lines, describing and documenting fixed improvements, and establishing and re-establishing boundary corners, staking corners and sketching monuments and structure encroachments.

The Summit Bechtel Family National Scouting Reserve, Glen Jean, WV

Thaw acted as Project Manager to deliver more than 14,000 acres of LiDAR, which was flown during full summer canopy at the project site. TERRADON, provided the horizontal and vertical control utilizing GNSS receivers, and least square network adjustments. A subsequent control network, utilizing GNSS receivers and least square network adjustments was established by TERRADON for construction staking. Concrete monuments, and aluminum disks were used for the control points. The entire 14,000 acres was mapped at 2' contour interval, with accuracy's better than 1' contour specifications. Thaw was responsible for acting as liaison between the client and project managers. Thaw was responsible for project data, documentation, budgeting and management tasks.

City of Huntington Marina, Huntington, WV

TERRADON, provided survey and mapping services including: aerial photogrammetry control, aerial photography, LiDAR, engineering design survey, data computation, CADD, digital terrain modeling, boundary survey, civil information model (CIM), and hydrographic surveys. Utilizing VRS GNSS, TERRADON provided the photo control to develop base mapping for the City of Huntington Marina. After receiving the aerial mapping. TERRADON performed field edits to confirm critical areas with the LEICA TS 15 P-1, and VRS GNSS. As Project Manager, Thaw was responsible for acting as liaison between the client and project managers. Thaw was responsible for project data, documentation, budgeting and management tasks.

The Summit Bechtel Family National Scouting Reserve Dam Monitoring, Glen Jean, WV

TERRADON Corporation was selected to perform monument survey and mapping services on the newly constructed dams located at The Summit Bechtel Family National Scouting Reserve. TERRADON performs annual monument surveys on four earthen dams. Control monuments were set in an area of cut near each dam, and then a series of monuments were set on the top-downstream edge of the dam. GPS VRS points were established for control. Utilizing the LEICA TS 15 P-1" four direct and four reverse observations are made to each monument along the dam for the annual inspection. A Digital level loop is run through each series of monuments utilizing a Trimble Dini 22 Digital level. Thaw regularly reviews the information and data sheets in tabular format for geotechnical engineers to evaluate. Thaw was responsible for acting as liaison between the client and project managers. Thaw was responsible for project data, documentation, budgeting and management tasks

EDUCATION

A.S. Surveying
Technology, West
Virginia Institute of
Technology

B.S. Surveying,
West Virginia
Institute of
Technology

REGISTRATIONS

Professional
Surveyor: WV

TOTAL YEARS EXPERIENCE

35

DAVE BROWN, PS

Survey Manager



Since joining TERRADON in 1999, Dave Brown has been involved in highway design/right of way projects and many surveying projects in West Virginia and surrounding states. Brown's responsibilities include survey project management, GPS networks, control surveys, subdivision design, development of highway Right-of-Way Plans, boundary solutions, reports, courthouse research, drafting, construction staking, survey data reduction, and preparation of surveying cost estimates and proposals.

PROJECT EXPERIENCE

Harris Riverfront Park, Huntington, WV

Prepared a detailed topographic and existing utility survey of the 50 + acre site, including a 25 acre hydrographic survey of the Ohio River –utilizing GPS and sonar equipment to map the river bottom for design of a new marina. Existing underground utilities were located and surveyed to avoid conflict during construction and aid in design.

Yeager Airport Survey, Charleston, WV

Conducted an ALTA/NSPS survey for the 19 acre General Aviation portion of Yeager Airport, which involved creation of a new surveyed boundary line for the leasehold area. The title commitment involved over 130 Schedule B2 items, which were examined and reconciled as to their affect on the subject property.

WV Turnpike Bridge Surveys

Prepared detailed surveys of two bridges on I-77 Turnpike, which including x,y,z locations of existing bridge girders, pier caps, abutments, bridge decks and topographic survey of the area surrounding the bridge, along with underground utility location. Surfaces were delivered for the bottoms of the girders, tops of pier caps and abutments and decks to allow for design of the bridge deck replacements.

The Summit Bechtel Family National Scouting Reserve (SBR), Glen Jean, WV

Assisted in incorporating design drawings from multiple sources and as-built features into an overall GIS for the project. This work consisted of organizing drawings in different phases (preliminary, final, as-built) from the various engineering and architectural firms working on the project to keep a current plan of the site at all times during construction. Provided construction staking, volume calculations for various aspects of the project. Collected as-built information, including x,y,z, locations of all underground utilities installed on the Summit Bechtel Reserve, which was incorporated into GIS. This information was collected by conventional survey method and by real-time GPS, utilizing the WVDOH VRS network. This information is invaluable for future development and conflict avoidance during construction. Additionally, supervised a 14.5-mile boundary survey of a portion of the SBR property boundary line.

WVDOH Corridor L Right of Way Project, Summersville, WV

Performed a GPS static network and placed aerial mapping target control for aerial mapping for the project in Nicholas County, WV. Performed boundary ties, hydraulic cross sections, mapped existing underground and above ground utilities, and established reference points for the project.

EDUCATION

B.S. Engineering
Technology/
Surveying, West
Virginia Institute of
Technology

REGISTRATIONS

Professional
Surveyor: WV, TN

TOTAL YEARS EXPERIENCE

22

CHRIS HANCOCK

Geotechnical Project Manager



Christopher Hancock is a Geotechnical Project Manager at TERRADON. Hancock's skills and abilities include AutoCAD, foundation design, designs using Geosynthetic Materials, MSE wall design, and groundwater and seepage control. As an Geotechnical Engineer and Geo/Environmental team member, Hancock applies environmental and geologic skills to engineering uses; on-site geotechnical drilling representative, interprets various borehole data (e.g., bulk density, groundwater monitoring, gamma ray, etc.); and collects various field data; lab testing experience. He is proficient in various software programs related to scientific study, including Civil3D

PROJECT EXPERIENCE

Monroe County Schools

Served as an on-site geotechnical drilling representative during subsurface investigation. On-site requirements included: visual classification on rock and soil, sample collection, percolation testing, mapping boring locations, coordinated with drill team. Also completed the Geotechnical Investigation Report that detailed the results of the drilling operation. The report also included: foundation recommendations, site development specifications, asphalt and concrete pavement recommendations, seismic design considerations, and laboratory testing results.

Seneca Medical Warehouse

Served as a qualified individual to ensure Quality Assurance and Quality Control (QA/QC) by performing and inspecting: foundation bearing capacity, concrete testing, welding inspection, compaction testing, 1 & 5 point proctor, reinforcing steel inspection, rammed aggregate pier inspection. Completed and submitted reports daily to the project manager.

Clendenin Flood Relief

Served as an on-site geotechnical drilling representative during subsurface investigation for two replacement bridges and eleven retaining walls after the summer flood of 2016. Performed: visual classification on rock and soil, sample collection, mapping boring locations, creating boring logs, laboratory testing, and coordinated with drill teams. Provided CAD support to design team and senior CAD technicians during the design of the structures.

Earl M. Vickers Memorial Bridge

Served as a qualified individual to perform bridge inspection. This entailed: super & sub structure inspection of steel and concrete. Visual inspection of steel components included: girders, stringers, floor beams, joints, and bearings. Concrete components were sounded then spalls and delamination's were sketched. A final report was created to show all defects and rehabilitation strategies.

SHEETZ Parkersburg

Served as an on-site geotechnical drilling representative during subsurface investigation. On-site requirements included: visual classification on rock and soil, sample collection, environmental testing with photoionization detector, mapping boring locations, MS4 percolation test, coordinated with drill team. Also completed the Geotechnical Investigation Report that detailed the results of the drilling operation. The report also included: foundation recommendations, site development specifications, asphalt and concrete pavement recommendations, seismic design considerations, and laboratory testing results.

On-Site Geotechnical Drilling Representative

Served as an on-site drilling representative during geotechnical drilling. Tasks include: performing visual soil and rock classification and collecting samples, mapping out boring locations, creating boring logs, and performing necessary lab testing.

EDUCATION

B.S. Civil Engineering—
Geotechnical Emphasis,
West Virginia University Institute of Technology

Associations

APNGA Portable

USDOT Hazmat

Nuclear Gauge Safety

Registrations

TOTAL YEARS EXPERIENCE

6

JIM NAGY, PE

Senior Engineer



As a Senior Engineer at TERRADON, Jim Nagy's primary focus is on designing civil engineering projects for public and private development projects throughout West Virginia. Nagy specializes in the design of water distribution systems as well as sewage collection systems. Nagy offers decades of hands-on experience and has previously provided design engineering services for schools, commercial developments, residential developments, public utilities and more. He earned a B.S. in Civil Engineering from West Virginia University and is a Professional Engineer in the State of West Virginia.

PROJECT EXPERIENCE

SPCC Planning

updated SPCCs for All Crane & Equipment Rental and Spirit Services, Inc.

School Projects

Responsible for layout, design, and permitting of water and sewer lines for numerous school projects in WV. Projects entailed coordination with PSDs, municipal water and sewer departments, State and Federal regulatory agencies for design of facilities. Schools include: Blue Ridge Community and Technical College, Blue Ridge K-12, Burnsville Elementary, Flatwoods Elementary, Davis Elementary, Sutton Elementary, Little Birch Elementary, Frametown Elementary, Buffalo High School, Clay-Battelle High School, Confidence Elementary, Jefferson Elementary, East Hardy High School, Eastwood Elementary, Flinn Elementary, Geary Elementary, Gilbert High School, Greenbrier West high School, Hampshire High School, Harpers Ferry High School and 19 additional schools.

Commercial Developments

Responsible for layout, design, and permitting of water and sewer lines for numerous commercial developments in WV. Projects entailed coordination with PSDs, municipal water and sewer departments, State and Federal regulatory agencies for design of facilities. Developments include: Fairmont Federal Credit Union, Allegheny Energy Union (Fairmont), First Ward (Clendenin) Apartments, Milton Crossing, Tri-State Hotel and multiple convenience store sites throughout WV.

Charleston Replacement Housing

Utility design, primarily water, sewer and stormwater, and coordination of overall site activities with the project developer for multi-unit housing development. Each phase entailed the design and layout of several hundred feet of water, sewer and stormwater line, including multiple connections with the utility providers, i.e., the Charleston Sanitary Board and West Virginia American Water, and applicable permit applications. Also responsible for construction monitoring and provision of as-built drawings as required by the respective utility providers.

Cathcart – Devonshire Development, Scott Depot, WV

Designed sanitary sewer and water distribution system to serve more than 900 housing units in this private development.

Washington Woods Subdivision, Ravenswood, WV

Designed more than 9,000 feet of water and sewer line and a 500 gpm fire pump water booster station to serve a 150 lot subdivision.

Sawmill Village, Snowshoe, WV

Designed approximately 2,800 feet of 8" water line and sanitary facilities to serve the Sawmill Village development project in Snowshoe, WV.

EDUCATION

B.A. Civil
Engineering
West Virginia
University

REGISTRATIONS

Professional
Engineer: WV

TOTAL YEARS EXPERIENCE

43

JOHN JAMES, PE

Senior Engineer



John James is a Senior Geotechnical Engineer for various dam, landslide, foundation investigation/design, transportation, environmental, site selection, and mining projects. He has over 48 years of experience practicing engineering in WV and surrounding states. James specializes in innovative and cost-saving concepts for his projects. Coupled with his hands on common sense approach to projects, he works with many of the accepted geotechnical and other engineering software applications for latest technical solutions.

He has performed geotechnical design on many major and minor highway projects, including: cut slope design, fill slope design, stability and settlement analysis, and foundation recommendations and design for many bridges, retaining walls, and high mast light towers. He has also worked as a geotechnical reviewer for several Coalfield Expressway Projects for the West Virginia Department of Transportation, Division of Highways. Major projects include: Corridor G from Chapmanville to Logan, and design-build portions of Rt. 35, Corridor H and the Coalfields Expressway.

James' project experience includes: foundation investigations and designs ranging in size from small projects to major industrial complexes; studies and designs for landfills and other environmental facilities; studies and designs for earth, earth/rockfill and concrete dams; all types of retaining wall designs, including conventional concrete walls, MSE walls, sheet piling, and H Pile and lagging, all with or without various anchoring systems; landslide analysis and remediation; roads; highways and bridges; surface and groundwater studies; storm drainage facilities; airport facilities; and forensic

PROJECT EXPERIENCE

Rt. 35 Design Build, Putnam and Mason Counties, WV, 2015.

WVDOT. Geotechnical Engineer. Provided geotechnical design services that included fill slope stability analysis and cut slope and bench design for a 16-mile section of a four-lane highway on US Route 35 in Putnam and Mason Counties, WV.

Corridor H Design Build, Randolph County, WV, 2015.

WVDOT. Geotechnical Engineer. Provided geotechnical design services that included fill stability analysis and cut slope design for an eight-mile section of four-lane highway for Corridor H in Randolph County, WV.

Corridor H, 2014.

J.F. Allen Company. Geotechnical Engineer. Provided geotechnical design services that included fill stability analysis and cut slope design for a six-mile section of Corridor H.

Thomas Bedford Pugh Bridge, WV, 2014.

Geotechnical Engineer. Provided L Pile analysis for the bridge.

Coalfields Expressway Design Build, Mingo County, WV, 2013-2014.

Kanawha Stone Company. Geotechnical Engineer. Provided geotechnical design including fill stability analysis for two critical 250' to 300' high sections of a five-mile, four-lane highway project in Wyoming County, WV.

District 1 Office (Foundation Investigation), Kanawha County, WV, 2011.

WVDOT. Geotechnical Engineer. Provided geotechnical foundation recommendations for office building project in District 1, including seismic analysis.

Tucker County Landfill (TCLF)

James has been the lead design engineer/engineer of record for the TCLF for 10 years, including responsibility for siting, permitting, design and all other services for the landfill. He has developed many cost-saving solutions and designs, including the incidental mining of abandoned coal workings for a total of cost savings of \$8,000,000 of the \$10,000,000 Cell 7 excavation cost.

EDUCATION

B.S. Civil
Engineering
West Virginia
University Institute
of Technology

Registrations

Professional Engineer: WV

TOTAL YEARS EXPERIENCE

50

JOHN JAMES, PE

Senior Engineer



City Beer Bridge, I-77, Wood County, WV, 2011.

WVDOT. Geotechnical Engineer. Provided geotechnical investigations, global stability analysis, bearing capacity and GRL weap analysis for twin 200' long bridges on a four-lane section of I-77.

Charleston Light Towers, Charleston, WV, 2011. WVDOT.

Geotechnical Engineer. Performed an L pile analysis for 47 high mast light towers in and around Charleston, West Virginia and designed the foundations.

Coonskin Connector for Bridge, Charleston, WV, 2010. WVDOT.

Geotechnical Engineer. Provided geotechnical investigation and analysis for the bridge foundations.

Rt. 35 Roadway Design, Mason County, WV, 2010.

Geotechnical Engineer. Provided geotechnical investigation for a three-mile section of the four-lane highway.

Linmont Bridge, Barboursville, Cabell County, WV, 2009. WVDOT.

Geotechnical Engineer. Provided geotechnical investigation and foundation recommendations for the bridge.

Jefferson Avenue Bridge, Mason County, WV, 2009. WVDOT.

Geotechnical Engineer. Provided geotechnical investigation and foundation recommendations for the bridge.

Waste Areas 2 & 3, Grant County, WV, 2009. Kanawha Stone Company.

Geotechnical Engineer. Provided geotechnical stability for two waste areas for Kanawha Stone Company.

Rt. 2 Glendale, Marshall County, WV, 2009. WVDOT.

Geotechnical Engineer. Provided geotechnical investigation and recommendations for the Glendale Narrows Slide.

Lucille Stalnaker Bridge, Gilmer County, WV, 2008. WVDOT.

Geotechnical Engineer. Provided geotechnical investigation and foundation recommendations for the bridge including stability analysis of fill slopes.

Bonds Creek Bridge, Richie County, WV, 2008. WVDOT.

Geotechnical Engineer. Provided geotechnical investigation and foundation recommendations for the bridge including stability analysis of fill slopes.

Strange Creek Bridge, Braxton County, WV, 2008. WVDOT.

Geotechnical Engineer. Provided geotechnical investigation and foundation recommendations for the bridge including stability analysis of fill slopes.

Sleeth's Run Bridge, Lewis County, WV, 2007. WVDOT.

Geotechnical Engineer. Provided geotechnical investigation and foundation recommendations for the bridge including GRLweap analysis.

Rt. 35 Slip Repair, Putnam County, WV, 2007. Kanawha Stone Company.

Geotechnical Engineer. Provided geotechnical design for the waste areas including stability analysis.



FOUNDED: 1989

EMPLOYEES: 95

LOCATIONS:

Poca, WV
 Lewisburg, WV
 Fayetteville, WV
 Clarksburg, WV

SERVICES:

Civil Engineering
 Geotechnical Engineering
 Transportation Engineering
 Structural Engineering
 Testing & Inspection
 Construction Monitoring
 Construction Administration
 Cultural Resources
 Archaeological Assessment
 Environmental Engineering
 Environmental Inspection
 Geotechnical Engineering
 Land Planning & Design
 Survey & Mapping
 Water & Utility Design
 Wastewater Design
 Storm Water Design

TERRADON Corporation offers a multi-faceted approach to design engineering and consulting services. For more than 25 years TERRADON staff has provided a wealth of engineering solutions blanketing West Virginia and surrounding states with successful projects. The company built its reputation on expert personnel and quality, time-sensitive service. Those same founding principles hold true today.

The firm has been recognized through numerous awards from professional organizations and agencies including the American Society of Civil Engineers, State Highway Departments, the Department of Environmental Protection and the American Institute of Architects.

TERRADON's diverse team of professionals work together on projects to offer a wide range of services in house to keep project centrally focused. By providing this range of services, TERRADON is able to work completely as a team to offer clients the most rewarding design.

TERRADON has experience working on projects funded by various agencies. Because of the variety of funding options for projects, TERRADON offers client support to help make funding projects easier.

TERRADON maintains professionally registered engineers, landscape architects, and surveyors as well as a competitive team of highly certified inspectors and environmental specialists.

TERRADON's corporate culture promotes innovation and progressive thinking. Project leaders strive to sustain customers through a wide-range of engineering offerings. TERRADON employees understand the purpose behind their services and work to cultivate lasting relationships with clients through honest, hard work.



TERRADON is the largest, woman-owned engineering firm in West Virginia. TERRADON is a certified Women's Business Enterprise as defined by the Women's Business Enterprise National Council and the National Women Business Owners Corporation.



TERRADON's Land Planning and Development department offers creative and innovative site design plans that have been brought to life throughout the region. Land Planning and Development engineers, landscape architects and CAD designers work closely with other TERRADON departments to deliver the most efficient design for each project.

TERRADON's Land Development department works with public and private entities and has remained a strong presence in the commercial, educational and, parks and recreational development sectors.

The Land Planning and Development group is focused on retaining lasting relationships with it's customers and prides itself on repeat clientele and referrals.

The Land Planning and Development department provides all services in-house from schematic design through construction drawings.

TERRADON maintains LEED accredited professionals in the Land Planning and Development department who remain on the forefront of sustainable design initiatives that aid clients in reducing significant energy costs on projects. TERRADON's Land Development department has more than 25 years experience working on industrial, commercial, parks and recreational, and other projects.

TERRADON has performed engineering and landscape design services for various monuments and plazas throughout the state. TERRADON has ample experience incorporating thematic design elements to achieve honorable memorial and monument plaza sites.

TERRADON has also worked on various renovation and addition projects ranging in sizes from small commercial gas stations, to large industrial sites. TERRADON has specialty staff that have worked on building renovation and additions comparable in size to the proposed project.

SERVICES

- Site Civil Engineering
- Master Planning
- Site Feasibility Studies
- Schematic Design
- Layout Plans
- Grading Plans
- Utilities Design
- Preliminary Designs
- Storm Water Management Plans
- Erosion Control
- Presentation Drawings
- Renderings
- Graphic Design
- Construction Observation
- Bidding
- Construction Review
- Building Renovations & Additions Design
- Cost Estimating
- Project Management
- Site Assessments



TERRADON maintains LEED accredited professionals on staff.



TERRADON offers some of the most experienced staff in the region for local geotechnical expertise. This team of experts brings a distinctive, specialized understanding of the difficult soil and groundwater conditions found in the Ohio Valley and Appalachian Regions of the United States.

The Geotechnical group has provided investigations associated with earthen dams, mining, waste disposal, new building construction, landslides analysis and remedial design, cell and high mast towers, landfill permitting and cap design, flexible/rigid pavement design, and environmental remediation.

SERVICES

- Test Borings
- Test Pit Excavations
- Monitoring Well and Piezometer Installation
- Soil and Rock Logging, Sampling & Testing
- Landslide Analysis and Remedial Design
- Stability Analysis
- Retaining Structure Design
- Earthen Dams
- Foundation Design
- Municipal and Industrial Landfills
- Flexible and Rigid Pavement Design
- Complete Removal for Landslide Repair
- Buttressing and Regrading
- Subsurface Drainage
- Structural Corrections
- Retaining Walls
- MSE Walls and Other Gravity Walls
- H-Piles and Lagging
- Anchors (Rock or Soil Nailing)
- Geotechnical Design

TERRADON Corporation has provided design, analysis, and construction inspection on more than 300 slip repair projects across the Appalachian Region. TERRADON is well versed in providing test boring services to slip projects and also provides other methods of slip analysis and design.

TERRADON is qualified to provide Ground Penetrating Radar (GPR) and Resistivity testing to evaluate landslides and ascertain information such as: potential failure surface, mapping bedrock, locating subsurface voids, determining the amount of displacement, subsurface anomalies, locating groundwater, and determining stratigraphy layering.

TERRADON personnel are also experienced in various hand sampling techniques such as hand auguring, dynamic and static cone penetrometer tests, and hand dug test holes. These sampling and testing techniques are beneficial for determining subsurface stratigraphy, locating groundwater, collecting soil samples for laboratory analysis, locating failure surface, and determining the landslides boundary.



TERRADON has been a leader in West Virginia and the surrounding region for the land surveying industry since 1989. The team has developed an extensive resume of successful surveying and mapping projects performed for a diverse group of repeat private and public sector clients. TERRADON's experienced staff of licensed professional surveyors and mappers bring expertise and proficiency to every project task.

The company is committed to staying ahead of the industry's pace by investing in state-of-the-art equipment and technology. That commitment enables TERRADON to overcome unique and challenging project conditions or obstacles, and efficiently provide the most accurate and complete information available to clients.

TERRADON has a long history of providing design and construction survey services for numerous transportation projects. Efficient and accurate results are ensured by prioritizing the use of modern technology, including state of the art GPS and robotic total stations, with the latest design software.

TERRADON maintains full-time Professional Surveyors on staff. The firm services projects through the use of in-house field survey crews who are backed by corporate staff members, including an experienced team of CAD designers. TERRADON's transportation survey group is experienced in preparing highway right-of-way plans, including courthouse research and right of way questionnaires, and writing legal descriptions for right of way take parcels, temporary construction easements and permanent drainage easements.

SERVICES

- Mapping
- Construction Layout
- ALTA survey
- Topographic Survey
- GPS Network Control Surveys
- Aerial Mapping
- LiDAR Mapping
- Ground Penetrating Radar
- 3D Mapping

... references ...

We feel that the best way to demonstrate our strengths and leadership in relevant projects is by referring to our past and present clients. 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:



*WVDOH Equipment Division Facility HVAC &
WVDOH District 6 HQ Complex HVAC*
Mr. Joshua Smith, PE
Acting Buildings & Grounds Program Manager
Maintenance Division
WVDOT Division of Highways
1900 Kanawha Boulevard, East
Building 5, Room 350
Charleston, WV 25305
304 / 887-2325

Cabela's Eastern Distribution Center
Mr. Rick Boccetti
Cabela's
1 Cabela's Drive
Sidney, Nebraska 69160
860 / 290-6251

*Multiple USPS Projects throughout
West Virginia & Pennsylvania*
Mr. Bruce Adams
United States Postal Service
22681 Woodward Avenue
Ferndale, MI 48220-0867
248 / 677-9660

*Carenbauer Wholesale Corporation
Warehouse and Distribution Center*
Mr. Carl Carenbauer
Carenbauer Wholesale Corporation
1900 Jacob Street
Wheeling, WV 26003
304 / 232-0522



T.J. Summers, CCIM, RPA
Four S Development
P.O. Box 2388
Charleston, WV 25328
Phone - 304 / 345-8700 x102
Cell - 304 / 549-8700
Fax - 304 / 345-8704
tsummers@summcos.com
<http://www.summcos.com/>

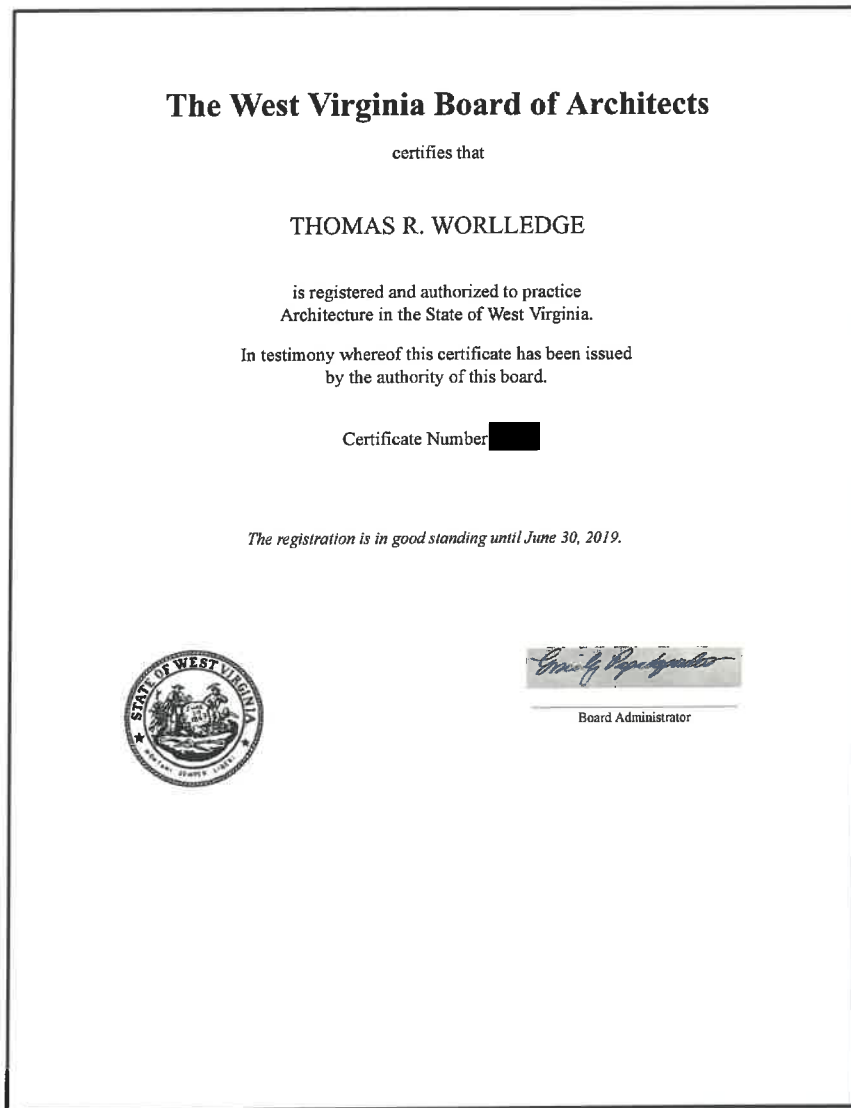
Angela Harding
Sleep Inn & Suites
15 Goff Crossing Drive
Cross Lanes, WV 25313
Phone - 304 / 776-7711
Fax - 304 / 776-7781
Angela@SleepInnWV.com

José U. Toledo, Ph.D.
Associate Vice President for Administration
West Virginia State University
Research and Public Service
131 Ferrell Hall
P.O. Box 1000
Institute, WV 25112
Phone - 304 / 766-4290
Cell - 304 / 541-1413
toledoju@wvstateu.edu

Richard Donovan
WV Higher Education Policy Commission
1018 Kanawha Boulevard, East, Suite 700
Charleston, WV 25301
Rich.Donovan@wvhepc.edu
Office - 304 / 558-0281 Ext. 212
Desk - 681 / 313-2212
Fax - 304 / 558-0259

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

Thomas R. Worlledge, AIA, LEED AP BD+C, REFP (*your Project Manager*) has a Master of Architecture from Virginia Polytechnic Institute & State University (1992), as well as a B.S. Architectural Eng. Tech. from Fairmont State College, School of Technology (1983). He is a Registered Architect in West Virginia, Ohio, Pennsylvania, Tennessee, and Virginia. His West Virginia Board of Architects' Registration & Authorization to provide Architectural Services in West Virginia certificate number is 2874. He is a member of the American Institute of Architects, and is NCARB Certified. He is also a LEED Accredited Professional specializing in Building Design & Construction, among his other certifications and designations. Included is a copy of his 2018-19 certification from the West Virginia Board of Architects:



We can also provide more copies of certifications/degrees/licenses of other Professionals if you wish to see them.

In addition, copies of our firm's various licenses are found on the following pages:



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.

A stylized, handwritten signature in black ink, appearing to read "Tim E. Mizer", written over a horizontal line.

BOARD PRESIDENT

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*

TERRADON CORPORATION

C00901-00

Engineer in Responsible Charge: ASHLEY L LIOI - WV PE 020507

*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

... proposed staffing plan ...

First and foremost we can state that our large professional staff will devote whatever time is necessary to provide the General Services Division with a successful project. If our project team is chosen for this project; they are available to start immediately upon our being selected, and will provide the necessary hours to complete your project on time.

For a proposed plan, a **kick-off meeting** will start the process, where interviews will take place to learn what you, the Owner, want on the property on the eastern perimeter of the WV State Capitol Complex. This is a very important step as it sets up the remainder of the project. Armed with this information, the McKinley/TERRADON professionals start the process of **schematic drawings (SDs)**. This is the first time thoughts are put on paper. At the end of this phase the product is a first look at what the plans might look like, as well as a preliminary cost estimate. **You will have a chance to review these plans.** During the **design development (DDs) drawings** phase, plans start to take shape and changes are made. **You will have a chance to review these plans as well.** Next is the time that the McKinley/TERRADON professionals take all of the information gained from the meetings and the SD and DD drawing phases and produce the **construction drawings (CDs)** and specifications for the project. The CDs provide the tool needed for the contractors to bid the project and information and details necessary to construct the building. Changes become difficult at this point. **Copies of the final documents will be distributed to you for final review and approval.** Afterwards is the actual **bidding** of the project. We will conduct a pre-bid meeting to handle all bidding information as well as conduct the bid opening and reporting. Finally, the **Construction Administration** phase involves the construction of the project. Our professionals now act as your agent and watch over the project. We will work with the contractors to make sure they are building what we designed and specified and are doing it correctly. We handle all paperwork from the contractor and provide the owner with approved pay requests. This phase is very important to ensure that you get what you are paying for.

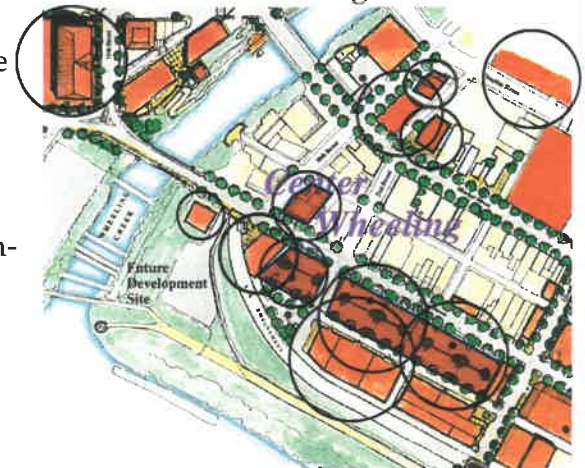
We will meet your 4 goals and objectives:

For **Goal One**, TERRADON will perform a thorough evaluation of the existing Capitol Campus site, including a land survey and an environmental assessment and analysis to determine the condition of the underlying soils. Then, the McKinley/TERRADON Team will work with the General Services Division (and potential other Agency-designated stakeholders) to plan the appropriate future use of the space, including incorporating some off-site functions into the new site plan and design (e.g., the Agency's warehouse facilities, miscellaneous other storage locations found elsewhere on the Capitol campus, etc). This will include surveying, analyzing existing site conditions and planning future development, plus provide their anticipated concepts and methods of approaching evaluation and development of the specified parcel. The McKinley/TERRADON Team will provide due diligence in the form of site visit, preparation of inventory & analysis, conceptual planning and development of a master plan for the project limits that would compliment the overall Capitol master plan. The goal of this due diligence and planning phase would be to get the best fit for this new building and its co-habitation on the project parcel with the existing employee parking needs.

For **Goal Two**, the McKinley/TERRADON Team will redesign the existing land parcel by resolving issues discovered in the initial site evaluations and by minimizing the use or need for outdated facilities. We will provide design and construction documents for an approximately 25,000 S.F. structural steel building (or buildings) to house equipment storage, employee locker rooms, restrooms and showers as well as offices for agency personnel, plus to provide receiving and warehousing space. You will see in the upcoming project sheets that we have designed a multitude of structural steel buildings, multi-use buildings, as well as multi-facility complexes. For the

delivery vehicle ingress to and egress from the future planned site, as part of the planning process we would consider the flow of state employee parking/vehicular ingress and egress, the flow of employee pedestrian movements from the parking lots to the respected buildings in which they work, as well as look at delivery and maintenance vehicular access that facility. The intended goal would be to develop a site plan that would allow for the various vehicular and pedestrian activities and minimize the cross connection of flow and to allow enhanced pedestrian safety, maximize vehicular flow efficiency and provide for an esthetic daily function of the property. For Cabela's Eastern Distribution Center in Triadelphia, WV, McKinley worked closely with the site engineers to coordinate exterior vehicle circulation and fire protection systems. This included particular attention to building and dock access for the 90 dock positions. The project also included a large parking and shipping area around the facility; 300 trailer parking spaces and 750 employee parking spaces. For the Home Depot in Charleston, WV, TERRADON had to develop a site that allowed for access of pedestrian flow from the parking, flow of vehicles to load out of the lumber department, and allow for the access of tractor trailers for building supplies to the store.

For **Goal Three**, the McKinley/TERRADON Team will design, in a separate phase, additional structural steel buildings within the same area to accommodate current functional needs. You will see in the project sheets our similar successful project, such as the Millennium Centre Technology Park where we designed 4 buildings, and multiple Phases of additions on each building. The occupied areas were kept operational while construction is being completed. For another project, the Celoron Plaza Office Park, we started with a "master plan" concept for the limited area without disrupting any current operation or impeding nearby traffic. We then designed multiple buildings, and the tenants and functions included multiple commercial offices, a high tech "back office," a bank, retail establishments, museum-quality exhibit space, conference/event space, and more. This includes historic buildings listed on the National Register of Historic Places. We also planned for the demolition of dilapidated buildings that were beyond saving, and designed new parking plazas in their places.



For **Goal Four**, the McKinley/TERRADON Team will also provide assessment and subsequent design services for the purposes of regrading and greening parking areas, planning for the location of multiple metal buildings, and will maximize available parking area within the area by reviewing existing utilization and planning around metal building location and access, while also providing greenspace. Both of our firms have experience with parking planning, and have experience with greening existing parking areas. At the Celoron Plaza, McKinley completed the B. & O. Building's

South Plaza, which included 2 new parking areas and a landscaped gathering place for pedestrians. We finished the 2 parking lots before the greenspace, to minimizing disruption to parking through a phased approach.

We know the McKinley/TERRADON Team possesses the required expertise to address all facets of your included project, and we will provide you with all the disciplines and services needed to make this project a success!



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

Park Drive Development

Location: Weirton, West Virginia

Contact: Mr. Mark Miller

City of Weirton

200 Municipal Plaza

Weirton, West Virginia 26062

304 / 797-8500 x 1029

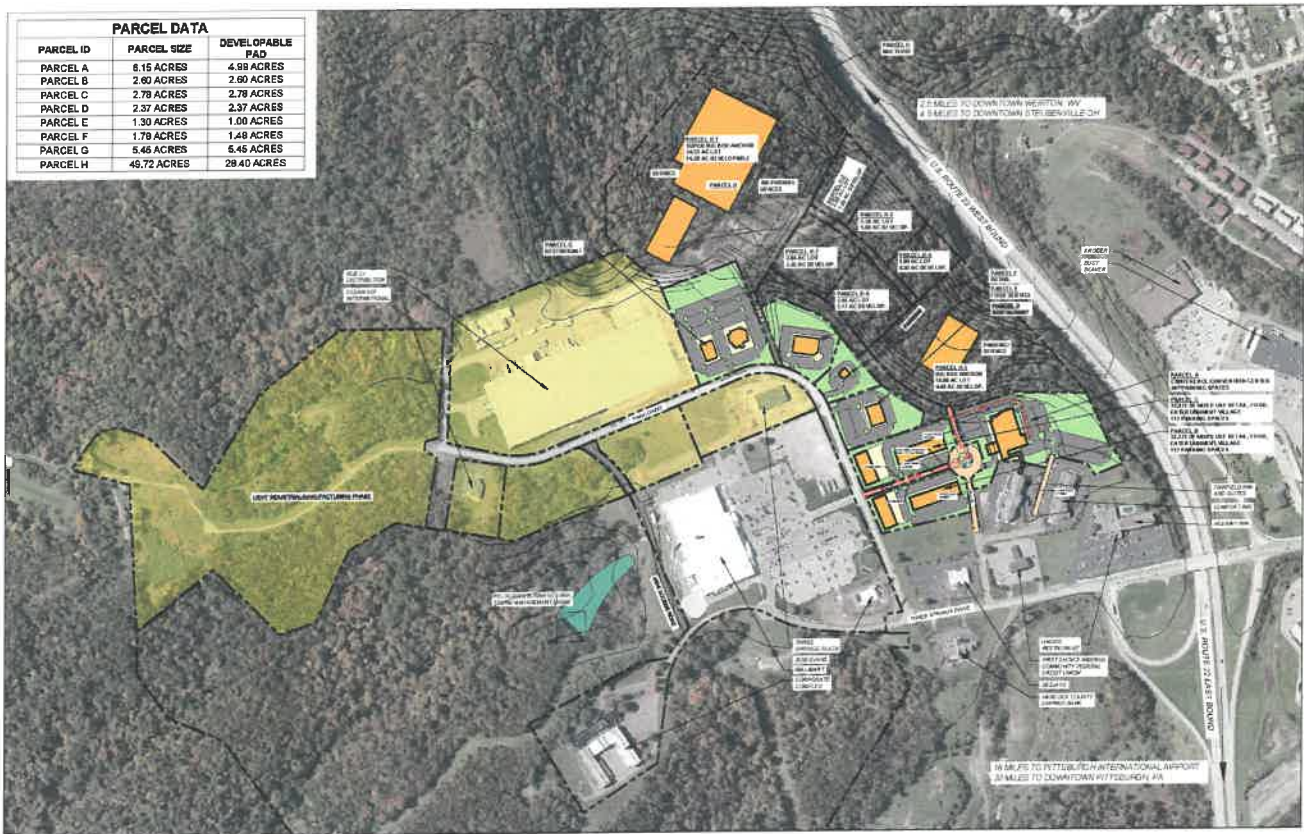
Type of Project: Land Assessment & Development - Full A/E Services

Project Description, Goals, and Objectives: McKinley Architecture and Engineering and TERRADON Corporation are currently working together, along with the with the City of Weirton, for their Park Drive / Three Springs Drive development. This project will adhere to TIF & USDA Grant Funds regulations. There are 8 parcels, involving approximately 48 acres of land to be developed. There are 3 Tasks for this project:

TASK #1 - 8,000 feet of ADA accessible sidewalks, with 3 options on lighting (approx. 75 poles) adhering to City of Weirton’s Unified Development Ordinance (Section 11.6) and the WVDOT Transportation Alternatives program.

TASK #2 - Site Preparation and infrastructure upgrades to access approximately 20 acres for immediate development and future development of an additional 29 acres along Park Drive. Scope to include site grading, permits, stormwater management, construction of a two lane road, sidewalks and street lighting, and additional segments of access roads and appurtenances.

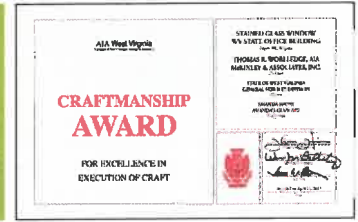
TASK #3 - Developing a master plan for the 20 acres to include retail, residential, restaurant, hotel/ conference center, and public spaces.



Building 55: West Virginia State Office Complex

Location: Logan, West Virginia

Contact: Mr. Robert P. Krause, PE, AIA
State of West Virginia
General Services Division
1900 Kanawha Boulevard East
Charleston, WV 25305
304/558-9018



Type of Project: Governmental Building - Full A/E Services

Project Description, Goals, and Objectives: City leaders were searching for a catalyst to stimulate community efforts to revitalize downtown Logan, West Virginia. This office building - dedicated on August 16, 2013 - has become that inspiration. **In March 2014, this project became LEED Certified.**

The building is designed to reflect the history and culture of the area while incorporating current technology and safety elements, thus empowering the community leaders to create a vibrant connected urban core. This new 5-story building underscores its major role in the development and revitalization of downtown Logan by uniting office space for 127 employees for 6 State agencies under one roof, whom were once scattered throughout the city.

The 53,200 SF building provides current technology, flexibility for future growth, and security features for existing and future tenants. At the request of the Owner, the building was designed to be energy efficient "green" and meet sustainable design goals. To help achieve this, a tight building envelope was created with closed cell foam insulation and thermal efficient windows. One of the unique features of the building is the natural daylight system where we added "light louvers" which redirect daylight to the ceiling and diffuse natural light throughout the space. The open offices were placed around the exterior of the building and the enclosed offices along the interior wall so more of the tenants receive quality light. In addition, interior windows allow the daylight to pass to the center offices.

McKinley Architecture and Engineering provided architectural, engineering, energy efficient (LEED) design, interior design, and construction administration services. TERRADON Corporation provided construction inspection services.



Carenbauer's Distribution Warehouse

Location: Wheeling, West Virginia

Contact: Mr. Carl Carenbauer

Carenbauer Wholesale Corporation

1900 Jacob Street

Wheeling, WV 26003

304 / 232-0522

Type of Project: Demolition, Commercial Distribution Warehouse - Full A/E Services

Project Description, Goals, and Objectives: The first goal of the project was to **demo the old Sterling Drug Building**, and use that site to add an addition onto the Carenbauer Wholesale Corporation Building. The project included the demolition of the 5-story existing structure; basement floor to remain, fracture concrete in place to allow drainage; front wall of basement to remain for shoring of street/sidewalk; concrete to be minimized to 6" minus; all rebar to be removed from rubble fill; temporary protection on Carenbauer warehouse roof; safety fence install/removal; placing rubble fill from street level to existing paving in rear, rubble to be used to fill void from basement area; utility disconnection fees; an EPA Permit; city demolition permit; import fill; haul off rubble; remove hazardous waste; and more.



After Views of Carenbauer Building Addition
(at the site of Sterling Drug Building Demo)



After the demo of the old Sterling Drug Building, we completed the **second project: an 11,800 square foot warehouse expansion - as well as existing warehouse and office building renovations** - of the Carenbauer Wholesale Corporation building. Carenbauer's presently carry over 100 brands of beer in 250 different types of packages, and they represent 15 different breweries across the US and world. The building **addition** included a **large open-span cold storage warehouse with a 26' clear height ceiling**. This room needs to have temperature setpoints for every month of the year, ranging from 60 to 67 degrees. The building addition holds a point-of-sales storage room and mezzanine, a staging area, and a loading dock with 3 bays. The docks included levelers, bumpers, trailer restraints, bollards, etc. The addition is connected to the existing structure via motion-activated overhead metal rolling doors. **The building's floor was designed to withstand continuous fork lift traffic**. The **renovations** included the offices, conference room, kitchen, and men's restroom, as well as new women's restroom and a new warehouse manager office. Upgrades were made to electrical, HVAC, and plumbing in all areas of the addition. The existing warehouse electrical distribution service was not large enough to handle the electrical loads required for the new construction. For the electrical system upgrades, the power was kept on while the addition was being constructed onto the existing building; and after all the new equipment was placed, there was only a minimal outage while the new electrical distribution was put in service.

Millennium Centre Technology Park

Location: Triadelphia, West Virginia

Contact: Mr. Brian Joseph

CEO of Touchstone Research Laboratory

1142 Middle Creek Road

Triadelphia, WV 26059

304 / 547-5800

Type of Project: Office Buildings, Laboratories, & Shops - Full A/E Services - New Construction

Project Description, Goals, and Objectives: The Millennium Centre is a 20-acre technology park located along Interstate 70. McKinley Architecture and Engineering is proud to have participated in creating these new state of the art facilities with the Ohio Valley Industrial & Business Development Corporation, through the Design/Build process with Cattrell Companies, Inc. There are **various buildings and tenants** on the site, which include **multiple phases and expansions**. With our Clients being confident their businesses would “take off,” but did not have the finances to build exactly what they were hoping for; **we designed these buildings in such a way that they all could easily expand in the future**. Therefore, many of these buildings have had **multiple additions**, and we successfully used a **phasing technique** to accomplish these expansions. For example, Phase II was a **new 15,000 SF masonry and frame building**, including complete electrical, plumbing, mechanical, fire protection, landscape, and paving work. Shortly after, a 6,620 SF addition to this building was completed, and included sitework, paving, foundations, slab on grade, superstructure, exterior closure, roofing, interior construction, mechanical, plumbing, and electrical.

One of the main tenants in this advanced industrial park is **Touchstone Research Laboratory**, who occupy **Building #4**, which is **42,875 square feet** and **\$2.2 million**. This is the largest privately owned commercial laboratory in the region. They have a **full blown research and development facility** with electron microscopes, chemistry laboratories, mechanical testing laboratories, finite element analysis, a design center, scientists and engineers of all types and much more. Touchstone also built



a **manufacturing plant** at the Millennium Centre. These are **Research & Development facilities** that adapt to their clients’ needs – not built for narrow goals – but built to be innovative. In addition to its R&D services, Touchstone offers failure analysis and materials testing. The magazine Advanced Materials & Processes has called Touchstone, “One of the best equipped labs of its size in the country.” Touchstone has various spin-out organizations on-site, such as Touchstone Advanced Composites, and Touchstone manufactures multiple products, such as CFOAM, MetPreg, ceramic matrix composites, and much more.

There were also **multiple specialized design elements throughout the buildings**. One building tenant had requested **20’ - 35’ roof clearances**; another requested **reinforced foundations to withstand 100,000 pounds compressive loads**. There are **multi-bay shipping docks**, specialty HVAC (especially laboratory exhaust, ventilation, dust collection, etc.) systems, floors and pits requirements for autoclaves and kilns, and “Raw Material Handling” rooms among these unique specifications. There is also materials characterization equipment, microbiological laboratory, hundreds of pieces of analytical equipment, machine shops, foundry, rolling mills, a composite facility, and much more.

United States Postal Service projects

Location: Appalachian Area (WV & VA) and Erie/Pittsburgh District in PA

Contact: Mr. Bruce Adams

United States Postal Service

P.O. Box 20867

22681 Woodward Avenue

Ferndale, MI 48220-0867

248 / 677-9660

Type of Project: Governmental Buildings - Full A/E Services

Project Description, Goals, and Objectives: McKinley Architecture and Engineering has had **several multiple-year open-ended IDIQ agreements with the United States Postal Service**. One is for the **Appalachian Area** [Indefinite Quantity Contract 360070-15-J-0095, which includes the State of West Virginia, as well as 49 counties and/or independent cities in Virginia], which is our **4th consecutive multiple year open-ended contract for this area**. We have been working throughout West Virginia since the **1980s**. The second agreement is for the **Erie/Pittsburgh District in Pennsylvania** (Indefinite Quantity Contract 362575-09-J-0232).

We have designed **dozens** of facilities for the USPS, including **demolitions, new construction, additions, renovations, modernization, and rehabilitations** in numerous cities within these areas, including projects in **dozens of counties in West Virginia**. In addition, we have designed over 100 Postal facilities for ADA compliance. **Many of our projects start out with an on-site building or site study/ investigation, where we then provide a multi-page report with condition/code assessment including compliance with current USPS standards, multiple options for repair/replacement/new building (etc.), with photos, and budget cost estimates, including design and construction administration costs.** We also give our recommended option, and the USPS will ultimately chose which option to go with. Most of the addition/renovation projects were completed while the buildings remained occupied. We

have also completed Historic Preservation work, such as extensive interaction with The Secretary of the Interior's (NPS) Standards for the Treatment of Historic Properties and working with the Section 106 process required by SHPO and the Federal Department of the Interior.

This includes work at multiple Processing & Distribution Centers (P&DCs), as well as Carrier Annexes and Hubs, which are large span facilities, and range in size from tens of thousands of square feet to over 250,000 SF. They hold various machinery, floors to withstand forklift traffic, have high roof clearances, multiple loading docks and bays, specialty HVAC systems, etc. Many are prefabricated metal buildings, and the exterior walls are finished with masonry infill and metal siding. The interiors have areas that are broken into multiple rooms with concrete block walls, such as work rooms, offices, and more.

For the newest projects, they incorporate **energy efficient design** which follow the newest USPS Standards compliance to provide a more efficient systems. For example, the energy saving on a recent HVAC replacement project was achieved with the use of economizers to allow free cooling when ambient temperatures are below 60o F, and there was commissioning provided on the RTUs. We followed the USPS Standards, and we also completed Form ECC-EZ - Energy Compliance Certification for Low Energy-Impact R&A Projects.



Cabela's Eastern Distribution Center

Location: Triadelphia, West Virginia

Contact: Mr. Rick Bocchetti

Cabela's

1 Cabela's Drive

Sidney, Nebraska 69160

860/290-6251



Type of Project: Commercial Distribution Warehouse - Full A/E Services

Project Description, Goals, and Objectives: Located at The Highlands off of Interstate 70 is a **\$40 million commercial warehouse/distribution center** that was built in **2 fast-tracked phases**. The building measures **1,200,000 square feet (600,000 SF for each of Phase I and Phase II)**, making it one of the largest buildings in West Virginia! Phase I included 32,000 SF of administrative offices and a large employee lunch room. Phase 2 included a 15,000 SF storage/maintenance shop and battery charging room. **The warehouse features 30-FT high-bay ceilings** to accommodate large automated storage/retrieval mezzanines and high-tech racking; the **building's floor** was designed to withstand continuous fork lift traffic. In order to facilitate construction during winter climate, a precast concrete wall panel system was designed for the building shell, and erected onto steel framing. The project was developed on a deep-fill, greenfield site with massive retaining walls, and new utilities.

We worked closely with the site engineers to coordinate exterior vehicle circulation and fire protection systems. This included particular attention to building and dock access for the 90 dock positions. The project also included a large parking and shipping area around the facility; 300 trailer parking spaces and 750 employee parking spaces. Security lighting was designed for these areas, with careful attention paid to illumination levels to permit camera operation in the parking lot areas.

This **1.2 million square foot** facility is a key link in Cabela's retail expansion plans, serving as their primary distribution center for the East Coast. In addition to keeping their retail stores fully stocked, it also benefits their direct business by reducing delivery times and lowering transportation costs to their catalog and Internet customers in the eastern United States. **From this, certain areas of the facility need to be in operation 24/7;** therefore, we designed an emergency backup generator and uninterruptible power supply (UPS) for the main data server room and for life safety systems. The generator is 500 kW; while the UPS is 65 kVA. This generator powers emergency lights, computer equipment, MIS power, MIS A/C, security and fire pump. Power is a key element in ensuring a fire pump works in an emergency situation; the fire pump is electric with standby power source connection to emergency generator.



Panhandle Cleaning & Restoration - Storage Warehouse, Shop, Garages, & Office Building

Location: Triadelphia, West Virginia

Contact: Mr. Bob Contraguero, Jr.

Panhandle Cleaning and Restoration

42 38th Street

Wheeling, WV 26003

304/232-2321

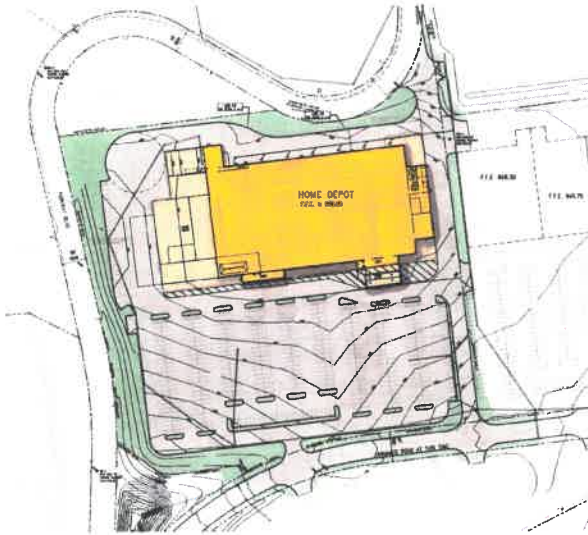
Type of Project: Warehouse / Office Building

Project Description, Goals, and Objectives: Panhandle Cleaning & Restoration invested \$3.5 million in new prefabricated metal buildings. The Warehouse and Contents Processing Facility's exterior measures 130'x200', which includes a 6,400 SF 2-story mezzanine within the structure, providing 32,000 total warehouse square feet. **There are multiple bays and loading docks around this structure; the garages fit vehicles of various sizes.** The exterior walls are finished with masonry infill and metal siding. Interior space varies between 20' - 30' clear of the metal structure. The free-standing masonry area with a conventionally framed platform above it provides an additional storage area enabling the Owner to take advantage of the 2 ½ story clear height along one end of the warehouse. **An additional prefabricated 8,600 SF, 2-story office building is attached to the warehouse along the high side of the warehouse.** The office building also includes custom furnishings and finishes. Panhandle provides 24-hour emergency disaster clean-up services and therefore required some special electric, data, plumbing, and mechanical systems. The first floor of the mezzanine is the "Contents Processing Facility," is broken into multiple rooms, and many have specialized components and considerations we had to design, such as casework, workbenches, and specialty electric to name a few.



Home Depot and Service Road

Kanawha County, WV



On this particular project we had to develop a site that allowed for access of pedestrian flow from the parking, flow of vehicles to load out of the lumber department, and allow for the access of tractor trailers for building supplies to the store.

TERRADON provided master planning for Charleston, West Virginia's largest commercial development—South ridge Center. TERRADON's Land Development Group offers a wealth of experience in site selection, feasibility, layout, grading and related engineering for commercial outparcels.

Home Depot project is part of South ridge Center along Corridor G/119 near South Charleston, WV. The projects entailed the Development documents for the pad, 14 acre parcel, part of a 80 acre development, A total of 2.6 million cubic yards of dirt was moved as part of construction along with the home depot parcel with rough graded lot for future parcel design.

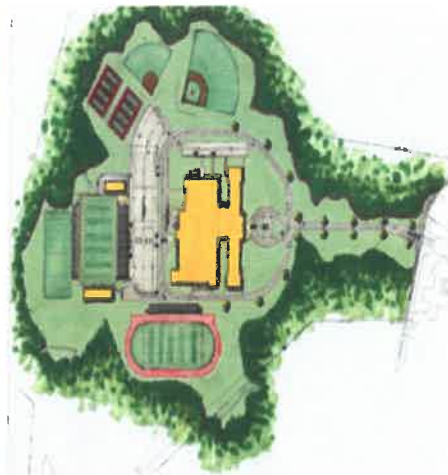
PROJECT OWNER

Private Developer



University High School

Monongalia County, WV



TERRADON Corporation provided complete design for University High School, as a subconsultant, including site construction documents for the proposed academic building that included 500 parking spaces and several accessory buildings. A proposed football field and track were also part of the campus plan and included locker rooms, concessions/restrooms and bleacher seating for approximately 6,000 people. TERRADON also coordinated with the Field Turf supplier to create drainage details for the proposed artificial field surface.

TERRADON was responsible for water, sewer, drainage, and erosion permits including coordination with the Corp of Engineers for onsite stream disturbance.

On this particular project we had to develop a site that allowed for access of staff parking, arrival and departure of students via bus, arrival and parking for students, arrival and parking for visitors, delivery of food trucks and refuse removal trucks and pedestrian flow from the parking and into the various buildings on campus. We also had to plan for and accommodate the movement of vehicular and pedestrian movements for after school activities.

PROJECT OWNER

Monongalia County Schools

University High School

Monongalia County, WV



The

Summit is a 10,600+ acre outdoor adventure center owned by the Boy Scouts of America. TERRADON performed site selection and site evaluation services. Additionally, the firm provided geotechnical investigations, design, survey, planning, and infrastructure design and inspection. Working under tight specifications and time restrictions, TERRADON spearheaded the delivery of the world class facility.

TERRADON worked with project owners to find the most feasible and economically beneficial site for the boy scout adventure site. The site selection in Fayette County, WV was chosen to compete with site selections across the United States. The competition was one of 28 site across 11 states.

TERRADON provided site prioritization and analysis to help project owners see the beneficial exponents to developing the outdoor adventure park in the mountains of West Virginia. TERRADON worked closely with state agencies during the site selection process to determine the best site development plans to economically benefit both the Boy Scouts of America as well as the state of West Virginia.

The final design site was selected from scouring multi-acreage sites in different counties with specific elements considered including site feasibility, site readiness, budgeting exponents, and economic development. Prior to final selection, TERRADON's site was in the short list of three sites with two others in Virginia and Arkansas. The client was impressed with the quality and depth of our work that they hired TERRADON to do the bulk of the design work on site.

PROJECT OWNER

Private Developer



Marshall University Engineering Building

Cabell County, WV



TERRADON Corporation provided engineering design services for the Arthur Weisberg Family Applied Engineering Complex (AEC), a 152,000 sqFt facility, located on Third Avenue. The state of the art facility houses six different academic and research programs and is one of Marshall University's newest facilities.

Marshall boasts the four story facility to be organized to promote collaboration between the university's colleges and research corporations. A central four-story atrium serves as a window into the building. The complex's scale and the materials of brick and cast stone are consistent with adjacent campus architecture.

TERRADON's site civil engineering team provided LEED expertise for the project. The project is pursuing LEED Silver certification via sustainable features as teaching tools. Stormwater collected from roofs will be used for teaching and research projects and will also be recycled for one of the restrooms in the building. A Green Roof above the Advanced Material and Testing laboratory will reduce the amount of stormwater discharged while providing an opportunity to study the ecological effects of stormwater and associated plantings.

The AEC facility is the first LEED building in the city of Huntington. The AEC facility was built with the intention of it being open and accessible to the public to demonstrate its concepts of sustainability that were incorporated early in the design of the project. The following are the concepts that Marshall University viewed as priority for achieving LEED Silver certification:

- Sustainable Sites
- Water Efficiency – Green Roof
- Energy and Atmosphere
- Materials and Resources
- Indoor Environmental Quality
- Innovation and Design Process
- Regional Priority Credits

PROJECT OWNER

Marshall University

Advanced Technology Centers

West Virginia



TERRADON issued site evaluation studies and site engineering phases of two Advanced Technology Center projects in the Cabell, Putnam, and Kanawha County region and in the Harrison, Marion and Mon County region. The intent of the site selection process was to identify multiple suitable site candidates where the Advanced Technology Centers could be located.

The Advanced Technology Centers were considered the main component of these projects. However, the sites were also evaluated on the opportunity they could provide for the possible future expansion of a Community and Technical College. The most suitable sites were selected out of the expansive pool of possible sites within the area. The candidate sites that were chosen were studied in detail and an intensive inventory and analysis phase was conducted to determine the most appropriate site location for the projects.

The inventory process consisted of gathering necessary information needed to evaluate each site based on a list of established criteria developed for this site selection process including visibility, site readiness, site size, and more. The list of possible sites was narrowed down to the ten best sites with the most potential for development.

TERRADON used prior knowledge of similar site selections to determine the criteria to develop for these site selections. The criteria database was compiled for each site by using various resources and implementing individual site visits with intensive data gathering.

Additionally, TERRADON performed all services for hardscaped areas of this project including parking lots and walkways for the site.

PROJECT OWNER

Putnam County Board of
Education



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: 581555

Doc Description: East Campus Assessment and Metal Building Design

Proc Type: Central Contract - Fixed Amt

Date Issued	Solicitation Closes	Solicitation No	Version
2019-05-21	2019-06-12 13:30:00	CEOI 0211 GSD1900000011	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
 129 Summers Street - Suite 201
 Charleston, West Virginia 25301
 (304) 340-4267

FOR INFORMATION CONTACT THE BUYER

Melissa Pettrey
 (304) 558-0094
 melissa.k.pettrey@wv.gov


Signature X

FEIN # 55-0696478

DATE June 11, 2019

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)
129 Summers Street - Suite 201, Charleston, West Virginia 25301


(Address)
(304) 340-4267 | (304) 340-4269

(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)

June 11, 2019

(Date)

(304) 340-4267 | (304) 340-4269

(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 exceeds 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: June 11, 2019

State of West Virginia

County of Ohio, to-wit:

Taken, subscribed, and sworn to before me this 11 day of June, 2019.

My Commission expires August 16, 2020.

NOTARY PUBLIC 

Purchasing Affidavit (Revised 01/19/2018)





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: 581555

Doc Description: Addendum No. 1 East Campus Assessment and Metal Building

Proc Type: Central Contract - Fixed Amt

Date Issued	Solicitation Closes	Solicitation No	Version
2019-06-06	2019-06-12 13:30:00	CEOI 0211 GSD1900000011	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
 129 Summers Street - Suite 201
 Charleston, West Virginia 25301
 (304) 340-4267

FOR INFORMATION CONTACT THE BUYER

Melissa Pettrey
 (304) 558-0094
 melissa.k.pettrey@wv.gov

Signature X

FEIN # 55-0696478

DATE June 11, 2019

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: 581555

Doc Description: Addendum No. 2 East Campus Assessment and Metal Building

Proc Type: Central Contract - Fixed Amt

Date Issued	Solicitation Closes	Solicitation No	Version
2019-06-06	2019-06-12 13:30:00	CEOI 0211 GSD1900000011	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
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 Charleston, West Virginia 25301
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Signature X

FEIN # 55-0696478

DATE June 11, 2019

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ADDENDUM ACKNOWLEDGEMENT FORM
SOLICITATION NO.: GSD1900000011

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

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

Addendum Numbers Received:

(Check the box next to each addendum received)

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

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

McKinley Architecture and Engineering

Company



Authorized Signature

June 11, 2019

Date

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

Revised 6/8/2012