

West Virginia Division of General Services

*Architectural / Engineering Services
for the Surplus Property Site Project*

Requisition #GSD146409

September 11, 2013

1:30 PM

RECEIVED

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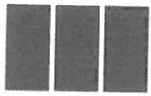
WV PURCHASING
DIVISION



McKINLEY & ASSOCIATES
ARCHITECTS • ENGINEERS • INTERIOR DESIGN

in association with

TRIAD
TRIAD ENGINEERING, INC.



McKINLEY & ASSOCIATES

ARCHITECTS • ENGINEERS • INTERIOR DESIGN

September 6, 2013

Krista S. Ferrell, Buyer Supervisor
Department of Administration, Purchasing Division
2019 Washington Street, East
Charleston, WV 25305-0130

Dear Ms. Ferrell and Members of the Selection Committee;

McKinley & Associates and Triad Engineering (McKinley/Triad) have teamed up to provide the State of West Virginia's Division of Surplus Property with our Expression of Interest for Architectural/Engineering Design Services for the projects located at 2700 Charles Avenue in Dunbar, West Virginia. As you review this submission, we emphasize the following strengths of McKinley/Triad with respect to your project:

McKinley & Associates has been providing design services since 1981. Your project will be led by our employees in our **Charleston office, located 8.68 miles away**. McKinley & Associates supports a professional staff that includes Architects; mechanical, electrical, plumbing / fire protection Engineers (MEP Engineers); Qualified Commissioning Agents; Construction Administrators; Recognized Educational Facility Planners; as well as a certified Interior Design department. We also have LEED Accredited Professionals (LEED APs and LEED AP BD+Cs) on staff, who will all be utilized to incorporate "Green" aspects into the projects. In addition, we recently became a 100% ESOP Company (Employee Stock Ownership Plan), so our employees now own 100% of our corporation!

Triad Engineering, Inc. is a full service geotechnical engineering corporation specializing in the areas of civil, subsurface exploration, environmental assessment and remediation, construction monitoring and inspection, laboratory testing, surveying, drilling and landscape architecture, among other earth science disciplines. They will be working out of their **Scott Depot/St. Albans office, located 11.41 miles away**. **With Triad, our Team will provide you with all the services needed to make this project a success.**

Thank you for reviewing our submission and considering McKinley/Triad for your project. We are very excited about the possibility of working with you! If you have any questions, please do not hesitate to call at any time.

Personal Regards,

Ernest Dellatorre
President

McKinley & Associates
edellatorre@mckinleyassoc.com

GSD146409

Surplus Property Design Services



McKINLEY & ASSOCIATES
ARCHITECTS • ENGINEERS • INTERIOR DESIGN

TRIAD
TRIAD ENGINEERING, INC.



State of West Virginia
Department of Administration
Purchasing Division
2019 Washington Street East
Post Office Box 50130
Charleston, WV 25305-0130

Solicitation

NUMBER
GSD146409

PAGE
1

ADDRESS CORRESPONDENCE TO ATTENTION OF:
KRISTA FERRELL 304-558-2596

V E N D O R	RFQ COPY
	TYPE NAME/ADDRESS HERE
	*709060537
	McKinley & Associates 1116 Smith Street Charleston, WV 25301 Fax: (304) 340-4269

S H I P T O	DEPARTMENT OF ADMINISTRATION GENERAL SERVICES DIVISION BLDG 27 - SURPLUS PROPERTY 2700 CHARLES STREET CHARLESTON, WV 25064 304-558-2317

DATE PRINTED
08/23/2013

BID OPENING DATE: 09/11/2013

BID OPENING TIME 1:30PM

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
0001	1	LS		906-07		
DESIGN SERVICES FOR SURPLUS PROPERTY FACILITY						
EXPRESSION OF INTEREST (EOI)						
THE WEST VIRGINIA STATE PURCHASING DIVISION FOR THE AGENCY, THE WEST VIRGINIA DIVISION OF GENERAL SERVICES, IS SOLICITING EXPRESSIONS OF INTERESTS FROM QUALIFIED ARCHITECTURAL AND ENGINEERING FIRMS TO PROVIDE DESIGN SERVICES FOR THE SITE AND FACILITIES FOR SURPLUS PROPERTY LOCATED AT 2700 CHARLES AVENUE IN DUNBAR, WEST VIRGINIA PER THE ATTACHED SPECIFICATIONS.						
***** THIS IS THE END OF RFQ GSD146409 ***** TOTAL:						

SIGNATURE <i>Lucretia D. O'Leary</i>	TELEPHONE (304) 340-4267	DATE 9/6/13
TITLE President	FEIN 55-0696478	ADDRESS CHANGES TO BE NOTED ABOVE

WHEN RESPONDING TO SOLICITATION, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'

CERTIFICATION AND SIGNATURE PAGE

By signing below, I certify that I have reviewed this Solicitation in its entirety, understand the requirements, terms and conditions, and other information contained herein; that I am submitting this bid or proposal for review and consideration; that I am authorized by the bidder to execute this bid or any documents related thereto on bidder's behalf; that I am authorized to bind the bidder in a contractual relationship; and that to the best of my knowledge, the bidder has properly registered with any State agency that may require registration.

McKinley & Associates

(Company)


(Authorized Signature)

Ernest Dellatorre, President

(Representative Name, Title)

(304) 340-4267 / (304) 340-4269

(Phone Number)

(Fax Number)

September 6, 2013

(Date)

RFQ No. GSD146409STATE OF WEST VIRGINIA
Purchasing Division**PURCHASING AFFIDAVIT**

MANDATE: 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.

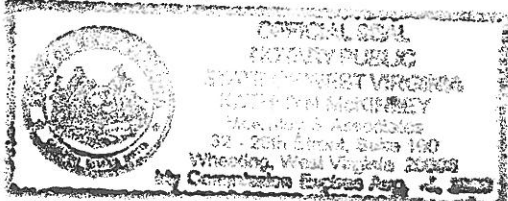
DEFINITIONS:

"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 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 & AssociatesAuthorized Signature: [Signature] Date: September 5, 2013State of West VirginiaCounty of Ohio, to-wit:Taken, subscribed, and sworn to before me this 5th day of September, 2013.My Commission expires August 16, 2020.**AFFIX SEAL HERE**NOTARY PUBLIC [Signature]

Purchasing Affidavit (Revised 07/01/2012)



State of West Virginia
Department of Administration
Purchasing Division
2019 Washington Street East
Post Office Box 50130
Charleston, WV 25305-0130

Solicitation

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KRISTA FERRELL 304-558-2596

V E N D O R	RFQ COPY
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	*709060537
	McKinley & Associates 1116 Smith Street Charleston, WV 25301 Fax: (304) 340-4269

S H I P T O	DEPARTMENT OF ADMINISTRATION GENERAL SERVICES DIVISION BLDG 27 - SURPLUS PROPERTY 2700 CHARLES STREET CHARLESTON, WV 25064	304-558-2317

DATE PRINTED
09/04/2013

BID OPENING DATE: 09/11/2013

BID OPENING TIME 1:30PM

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
ADDENDUM NO. 1						
THIS ADDENDUM IS ISSUED TO MODIFY THE ORIGINAL SOLICITATION PER THE ATTACHED DOCUMENTATION.						
0001	1	LS	906-07	DESIGN SERVICES FOR SURPLUS PROPERTY FACILITY		
***** THIS IS THE END OF RFQ GSD146409 ***** TOTAL:						

SIGNATURE <i>Ernest Ollerton</i>	TELEPHONE (304) 340-4267	DATE 9/6/13
TITLE President	FEIN 55-0696478	ADDRESS CHANGES TO BE NOTED ABOVE

WHEN RESPONDING TO SOLICITATION, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'

GSD146409: Technical Questions and Answers.

Q1. Do you have a more defined scope of the project?

A1. Per WV Code 5G, the scope of the services to be provided will be negotiated with the highest ranked vendor after the evaluation of the statement of qualifications and performance data which are submitted in response to this Expression of Interest.

Q2. Is there an engineer's estimated cost of the work?

A2. The State is not permitted to disclose budgetary amounts prior to the award of the contract.

Q3. Do you have a plot of the property or any other mapping available for the Surplus Property located at 2700 Charles Avenue in Dunbar?

A3. The Agency does not have any survey of the property at this time.

ADDENDUM ACKNOWLEDGEMENT FORM
SOLICITATION NO.: 1

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:

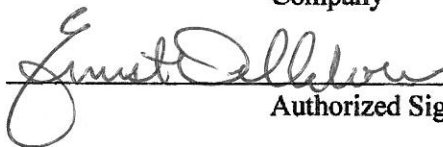
(Check the box next to each addendum received)

<input checked="" type="checkbox"/> Addendum No. 1	<input type="checkbox"/> Addendum No. 6
<input 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 & Associates

Company



Authorized Signature

September 6, 2013

Date

NOTE: This addendum acknowledgment should be submitted with the bid to expedite document processing.
 Revised 6/8/2012

GSD146409

Surplus Property Design Services



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CONCEPT

The McKinley & Associates / Triad Engineering Team has prepared a response to the evaluative criteria listed in the request for proposal's Concept section:

- *Provide a general discussion of the project and the firm's approach to addressing issues and concerns including anticipated concepts, proposed methods of design and project sequence as explained in the Background, Project and Goals. Include a discussion of similar previous projects and how these issues were resolved.*

Based on the Request for Expression of Interest, we understand the project consists of the design of solutions for the upgrade of the State of West Virginia Surplus Property facilities located at 2700 Charles Avenue, Dunbar, West Virginia. Proposed upgrades consist of site improvements, inventory staging and storage, and demolition and renovation to existing facilities at the site.

McKinley & Associates (MKA) understands that the existing facility will have to be inspected and the functionality of each space will need to be reviewed prior to making any master plan. MKA has worked with major retailers in planning their distribution warehouses and we know how to design efficient spaces for the storage and retrieval of goods.

Proposed site upgrades more specifically consist of:

- Site paving improvements
- Improvements to site drainage
- Public and employee parking layout and improvements
- Inventory Staging and Storage layout and improvements
- Utility Service line locations, routing of relocated lines, and tie-ins to existing utilities

Work on this project will require extensive coordination between the engineer, architect, and the West Virginia Division of General Services (WVDGS).

The following is our proposed general approach to the project, broken down into phases and tasks:

PHASE 1 - INITIAL INVESTIGATION AND "UP FRONT SERVICES"

Task 1 - Initial Project Planning Meetings

At the onset of the project(s), the Engineering/Architecture team will meet with representatives of WVDGS and Surplus Property operations personnel. These meetings will be for the purpose of determining project goals for the proposed project areas.

CONCEPT

Task 2 – Conceptual Plan Generation

Based on the information discussed and gathered during the planning meeting(s), conceptual plan(s) will be prepared. The plan(s) will depict all major site and building features of the proposed site and facility upgrades.

Task 3 – Project Budget Estimate

Upon completion and approval of the conceptual plan(s), a project budget(s) estimate will be prepared. The budget(s) will be utilized for future planning and funding of the project(s).

Task 4 – Survey Field Edit

As part of the conceptual plan process, TRIAD will confirm the existence of necessary mapping in the project area and will develop only what is necessary if none exists. This involves identifying existing utility locations and ground surface elevations in each project area. If suitable mapping is available, during this initial phase we will perform a “field edit.” This would include walking/driving the site and verifying that important existing topographic features have been accurately depicted on the mapping.

Task 5 - Utility Research and Meetings

During the initial investigation process, our representatives will meet with the local utility providers for telephone, electric, cable, fiber optic, water, sewer, and gas. The meetings will be for the purpose of obtaining record information on existing facilities and connection points, as well as any lines they may have which will be of concern during construction. If it is not already included, this information will be added to any existing mapping and to any mapping Triad develops.

PHASE 2 - PRELIMINARY DESIGN AND PERMITTING SERVICES

Task 1 - Site Planning (Preliminary Site Plans)

Upon completion of the initial phase, Triad will create preliminary site plans to meet project requirements in accordance with applicable regulations and to optimize project goals. The plans will be periodically updated to incorporate the Agency's and any other reviewing entity's comments and to respond to required reviews. These will be submitted for further review and comment and will become the basis for final design drawings.

CONCEPT

Task 2 – Permitting

Upon completion of the preliminary plans, permit applications will be submitted to pertinent review agencies for their approval to perform construction.

Task 3 - Meetings and Approval Process

Upon the completion of the preliminary design drawings and permit application submittals, we will attend team meetings and provide services in support of the development approval process.

PHASE 3 - FINAL CONSTRUCTION PLANS

Task 1- Final Project Design

Upon the completion of previous reviews and resolution of comments, we will finalize designs of the project.

Task 2 - Final Construction Drawings and Project Specifications

Upon completion of all reviews and final engineering design, we will prepare bid documents for the project. This will consist of full and complete civil site plans. Complete and comprehensive construction specifications will also be prepared for all site work.

PHASE 4 – BID EVALUATIONS

Task 1 – If the Agency and Architect desires, we will provide engineering support in the evaluation of construction bids.

PHASE 5 - CONSTRUCTION PHASE SERVICES

Task 1 - Construction Administration / Construction Inspection Services

Triad has the capability to provide administration services for the construction phase of the project. As you can see from our company overview, we also have in-house capabilities for compaction testing, concrete testing, and asphalt paving testing. You will have the option of selecting any or all of the services listed above.



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MANAGEMENT AND STAFFING CAPABILITIES

The work to be performed by your design team is very clear; to evaluate, prioritize and design within budget and schedule to meet the needs of the West Virginia Division of General Services. In the past **32 years** we have extensive experience with similar projects. Our project team has been chosen for this project and they are available to dedicate the necessary time to this effort. We are available to start immediately upon our being selected. We can and will perform for you on time. This team is an "In-House" team that works together everyday and has done most of the projects here as a group. These team members have been working up to **sixteen years** together at McKinley & Associates. The technical depth of our professional staff indicates that this project can be accomplished without overloading our group or computer graphics systems.

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

The areas of expertise for each member coincides with his/her Role in this Contract. With our large staff we have the ability to have **registered architects and engineers designing within their area of expertise**. HVAC design by a Mechanical Engineer, electrical design by an Electrical Engineer, fire and life safety design by a Fire Protection Engineer. The Professional Engineers (PE) are not only "In-House," we also have **depth in numbers** of each discipline in our firm.

We hold **weekly meetings** to discuss your project, the budget, schedule and quality assurance. We provide **Documented Minutes** of all of our meetings and encourage the Owner to participate in these meetings.

Our **Quality Assurance Program** starts with a peer review where a registered professional not involved in the design becomes reviewer of the project before going to bid. Additionally, at our regularly scheduled project meetings the entire design team is constantly reviewing the process.

We are confident we can meet your program requirements. We have worked with owners in many different sectors of business and have been **able to comply with their various requirements and standards**, including Federal Agencies such as the USPS, DOD, FAA, HUD, EPA and NPS, and also State Agencies such as West Virginia University, Marshall University, West Virginia School Building Authority, West Virginia State Police, DOE, WVARNG, and the Department of Culture & History. We are able to respond to their needs, and we are certain that we are able to respond to all of your needs as well.

You appropriately recognize how **codes, and state / federal regulations** are important to a successful project. Our professional's design within these codes daily, as our practice is and remains a West Virginia practice and we are dedicated more than ever to the state in which we live. All documents will be prepared with the current WV State Building Code and WV State Fire Code as well as all State and Federal Codes, Regulations, and Ordinances. We are members of many organizations, and follow their standards, such as NFPA, CEFPI, AWI, WVEDC, AIA, NCARB, ASCE, ASPE, BOCA, ASHRAE, and ACI International.

Our **Eleven Month Walk-Through** is a process where our professionals return to your facility eleven months after the project is completed. At that time they review all the work that was completed and check all warranties. We are making sure all of the covered work is in order and that the warranties do not expire with equipment or product not working properly. We have been doing this for **16 years** which has now been adopted as an AIA 101 Standard. We also conduct Post Occupancy Evaluations with the Owner to find out how well we matched the Owners' needs.

CONSTRUCTION ADMINISTRATION & ON-SITE REPRESENTATION

Observe the Construction Progress

Liaison between the Owner, Contractor, and Architect

Responsible for All Construction Meetings and Minutes

Monitor the Construction Schedule

Ensure that the Contractor is Following the Construction Documents

Verify Pay Application and Change Orders

**Typically On-Site Once Every Two Weeks
(Provide Additional On-Site Representation if Requested)**



Our 4 **Project Coordinators / Construction Administrators** have an extra responsibility than what most firms' Construction Administrators have; our Project Coordinators are a part of the design process from **Day 1** (they are not thrown into the project only when construction starts; they are here from the beginning), so they know the ins-and-outs of the project. Our Project Coordinators have an important role as being the **liaison between the Owner, Contractor, and Architect**. The primary objective of the Project Coordination services is to ensure completion of work the way the client wants it - **as scheduled and as budgeted**. Our Project Coordinators evaluate the quality of the work to verify that it meets the level required by clients; in addition, they monitor the contractor's progress to ensure that they are following the Construction Documents. They observe the construction progress, are responsible for all construction meetings and minutes, and they verify pay application and change orders. The Project Coordinator is typically on-site once every two weeks, but we can provide additional on-site representation if requested.

GSD146409

Surplus Property Design Services



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TRIAD ENGINEERING, INC.

TEAM QUALIFICATIONS

The McKinley & Associates / Triad Engineering Team has prepared a brief response to each of the evaluative criteria listed in the request for proposal's Firm/Team Qualifications section. Much of the information is contained on other pages within this "Firm/Team Qualifications" tab, to which we refer for your convenience in locating the supporting documents.

- **Provide the name, address, phone number, e-mail address and signature of the firm's contact person responsible for the project and having full authority to execute a binding contract on behalf of the firm submitting the proposal.**


McKinley & Associates
1116 Smith Street - Suite 406
Charleston, West Virginia 25301
P - (304) 340-4267
F - (304) 340-4269
edellatorre@mckinleyassoc.com


Signed:



Ernest Dellatorre
President


- **Provide the names, function and resume of individuals within the lead firm's organization who will be assigned to this project.**


- **Project Manager / Architect / LEED Design:** Thomas R. Worlledge, AIA, LEED AP BD+C, REFP
- **Architectural Engineer / Commissioning Agent:** Tim E. Mizer, PE, RA, QCxP
- **Electrical Engineer:** Darren S. Duskey, PE
- **Senior Mechanical Engineering Designer:** William D. Ciprella
- **HVAC & Fire Protection Engineering Designer:** Michael A. Heath
- **Plumbing & Electrical Engineering Designer:** Scott D. Kain
- **Electrical Engineering Designer:** Michael J. Clark
- **Civil Site Engineering Designer:** Allison M. Carmichael


 **Civil Engineering Services Manager, Senior Engineer:** Larry L. McCoy, Jr., PE


 **Senior Engineer:** Steven R. Spradling, MS, PE

 **Geotechnical Engineer Project Manager:** Daniel H. Lipscomb, PE

 **Staff Engineer:** James R. Criniti, EIT

 **Senior Landscape Architect:** Joe H. Young, RLA

 **Survey Supervisor:** Steven A. Clark, PS

 **Survey Supervisor:** Lloyd A. Kirk, PS

■■■ **Interior Designer:** Deb Blakeman, NCIDQ

■■■ **Construction Administrator:** Robert E. Smith

** The resumes are found within this "Firm / Team Qualifications" tab.*

TEAM QUALIFICATIONS

- **The project team should have expertise in the A/E areas previously mentioned and required to complete this project. Provide information on all other project consultants, sub-consultants, and firms proposed to be employed by the lead firm for this project.**

Triad Engineering, Inc. is our sub-consultant, and will perform civil, environmental, surveying, geotechnical, and other related engineering services:



TRIAD ENGINEERING, INC.

MD OH PA VA WV

TRIAD Listens, Designs & Delivers

Company Background

TRIAD ENGINEERING, INCORPORATED (TRIAD) is an **employee owned** full service civil engineering consulting firm based in the Mid-Atlantic region that provides professional services in the areas of civil, environmental, mining, geotechnical and chemical engineering; site assessment; planning and landscape architecture; geology and hydrogeology; surveying and mapping; construction inspection; and, related services. Our firm has provided services on many thousands of projects of varying size and complexity since its founding in Morgantown, West Virginia in 1975. A significant number of these services are provided in the areas of commercial developers, industrial facilities, manufacturers, mining companies, waste management companies, governmental agencies, contractors, and architects.

Through our 38 plus years of service in West Virginia and surrounding states, both the number and complexity of these projects have grown. Our clients include Federal and State governmental agencies, mining and industrial corporations, contractors, architects, engineers, attorneys, developers, and commercial organizations.

TRIAD was founded in 1975 in Morgantown, West Virginia by three civil engineers from West Virginia University. A second office was opened in Charleston, West Virginia in 1979 and later relocated to our present St. Albans, West Virginia location. TRIAD expanded into the northern Virginia area beginning in 1989 with an office in Winchester Virginia, and began operations in Pennsylvania in 1990 with a full-service office in Greensburg, which moved to Pittsburgh in 2013. Since that time, TRIAD has opened offices in Hagerstown, Maryland, Ashburn, Virginia, and Athens, Ohio.

Facilities and equipment available to support our staff have grown substantially during the past 38 plus years. Each of our offices contains computer facilities that are utilized for hydrogeologic evaluations, risk assessment, stability analyses, survey data reduction, mapping and site design. Our computer based drafting and reproduction facilities are used to develop detailed site plans (monochrome or color), construction details, and other graphic documentation as required for our projects. Our fleet of drilling rigs and support vehicles are based at our West Virginia and Virginia offices and are maintained in-house to meet the needs of our engineering and site assessment projects. Well equipped, modern state-of-the-art materials testing laboratories are maintained at most of our offices to support our engineering and construction related projects. Our offices also utilize digital cameras and video recorders to document our projects. Triad also has state of the art Closed Circuit Television camera equipment to perform condition assessment and location of underground storm and sanitary sewer piping and structures.

TRIAD currently includes a staff of approximately 190 personnel located in seven offices. Our personnel include chemical, civil, environmental, geotechnical and mining engineers, as well as geologists and hydrogeologists, biologists, chemists, environmental scientists, planners, landscape architects, natural resource specialists, regulatory compliance specialists, permitting engineers, risk assessors and health and safety specialists. Our technical support and administrative staff includes designers, draftsmen, surveyors, technicians, drillers, construction inspectors and clerical personnel. Most of our professional and technical staff have been with the company for many years. We pride ourselves on a very low turnover rate, which adds to continuity and enhances the level of productivity and experience afforded by TRIAD.

~ Employee Owned Company ~



McKINLEY & ASSOCIATES
ARCHITECTS • ENGINEERS • INTERIOR DESIGN

TEAM QUALIFICATIONS

○ ***Provide a statement of the firm's ability to handle the project in its entirety.***

McKinley & Associates is also willing to dedicate more Architects and Designers, Engineering Designers, Commissioning Agents, Interior Designers, LEED Accredited Professionals, and Construction Administrators - if they are needed - to make this project a success.

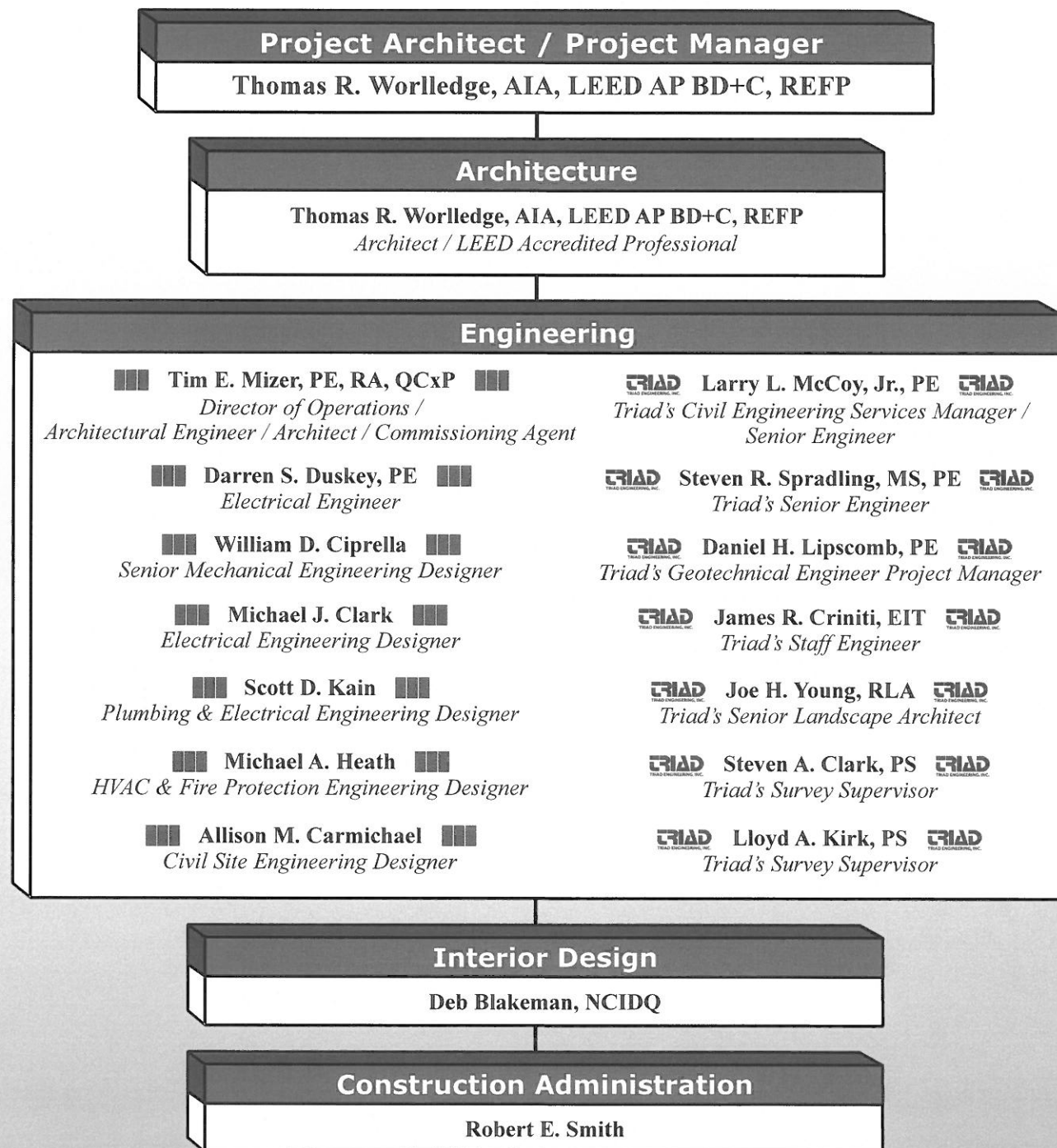
In addition, with nearly 200 employees, Triad Engineering is also able to dedicate the necessary manpower to handle this job in its entirety.

McKinley & Associates has a good working relationship with the Fire Marshal and we will design to the States Fire and Life Safety code. We have worked with owners in many different sectors of business and have been able to comply with their various requirements and standards, including State and Federal Agencies. We are able to respond to their needs, and we are certain that we are able to respond to all of your needs as well.

○ ***Provide a statement of the firm's acceptance and full understanding that any and all work produced as a result of the contract will become property of the Agency and can be used or shared by the Agency as deemed appropriate.***

If and when McKinley & Associates is honored to be offered a contract for the EOI #GSD146409 Surplus Property Design Services project; we would have no issues including this into the contract documents.

DESIGN TEAM FLOW CHART



With our large staff sizes, our firms are willing to dedicate more professionals if they are needed.

Architect / LEED Accredited Professional

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

Charleston Office Area Manager



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
(REFP)

Former voting member:

ASHRAE 90.1 International Energy Code
Committee

PROFESSIONAL EMPLOYMENT:

McKinley & Associates
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:

Thomas R. Worlledge is a skilled Architect with over 29 years experience who has received state wide design awards (including a West Virginia Chapter of the American Institute of Architects 2009 Merit Award) and placed in national design competitions. As a **LEED Accredited Professional** and a recognized sustainable design expert, he has had articles published in state and national trade publications, spoken before architectural students, ASHRAE chapters, and business groups on sustainable design issues and was also a featured speaker at the 2001 Governor's Conference on the Environment and the 2001 Sustainable fair. He also teaches other design professionals in the art of High Performance School design, as a professional trainer for the Sustainable Building Industries Council. Mr. Worlledge has been involved in design of projects ranging in from a small home additions (one of which was featured on HGTV's New Spaces Show) to multimillion dollar projects such as the \$20 million Parkersburg High School renovation and historic preservation project, the fast-tracked \$6 million WVU IOT Maclin Hall renovation project, and the \$12 million West Virginia State Office Building in Logan to name a few. Mr. Worlledge is a former voting member of the ASHRAE 90.1 Standards committee that forms the basis of the International Energy Code and is the president of the state chapter of the AIA.

NOTABLE PROFESSIONAL ACHIEVEMENTS:

West Virginia State Office Building in Logan (LEED Registered)

West Virginia Department of Health & Human Resources Office renovation in Wheeling

SMART Office renovation in Williamson, WV (LEED Registered)

McKinley & Associates Charleston Area Office renovation (2009 WV AIA Design Award winner)

Wood County Schools - Parkersburg High School renovations

Wood County Schools - Williamstown High School renovations

WVU Institute of Technology - Maclin Hall renovations

West Virginia University - University Police Building renovations

WV State Police Academy - Renovations to Buildings A, B, and C; New Buildings D and Multi-Purpose Building

Marshall County Schools - Hilltop Elementary School (**LEED Certified** Project)

Hancock County Schools - Weir High School renovations

Boone County Schools - Brookview Elementary School renovations

Boone County Schools - Honors Academy renovations



McKINLEY & ASSOCIATES
ARCHITECTS • ENGINEERS • INTERIOR DESIGN

Architectural Engineer / Architect / Commissioning

● **Tim E. Mizer, PE, RA, QCxP**

Director of Operations

EDUCATION:

Kansas State University
B.S. Architectural Engineering - 1983

University of Cincinnati
Architecture

PROFESSIONAL AFFILIATIONS AND REGISTRATIONS:

Registered Engineering in:
West Virginia
Ohio

Registered Architect in:
Ohio

Qualified Commissioning Process Provider

PROFESSIONAL EMPLOYMENT:

McKinley & Associates
Architect / Engineer / Commissioning
Wheeling, WV (1995 to present)

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

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

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

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

SUMMARY OF EXPERIENCE:

Mr. Mizer is a very talented and unique professional being both a Registered Architect and Professional Engineer. In addition, he is also a Qualified Commissioning Provider. He joined McKinley & Associates in 1995, and has over 25 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. As the Director of Operations, 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 State Building in Logan, WV (LEED Registered)

WV Department of Health & Human Resources Office Building

West Virginia Independence Hall renovations

West Virginia State Office Complex in Weirton, WV

USPS - designed over 100 Post Offices throughout West Virginia for ADA compliance

West Virginia State Police - renovations and new detachments
Also surveyed, reviewed, projected, budgeted, and documented 72 police facilities statewide

Millennium Centre Technology Park

Orrick Global Operations Center (Office Building)

Maxwell Centre (Office Building)

Wagner Building (Office Building)

Bennett Square Office Building

Dr. Ganzer Office Building

Panhandle Cleaning & Restoration warehouse and office building

WVU Colson Hall office and classroom building renovations

Cabela's Eastern Distribution Center

Wheeling Island Casino - various projects

Marshall County Schools - Hilltop Elementary (LEED Certified)

Marshall County Schools - Cameron Middle/High School (LEED Registered project)

Wood County School Bond Project (\$63 million)



McKINLEY & ASSOCIATES
ARCHITECTS • ENGINEERS • INTERIOR DESIGN

Electrical Engineer

Darren S. Duskey, PE

EDUCATION:

The Ohio State University
B.S. Electrical Engineer - 1993

Marshall University
Graduate courses in Engineering

PROFESSIONAL AFFILIATIONS AND REGISTRATIONS:

Registered Professional Engineer in:
West Virginia
Ohio
Pennsylvania

PROFESSIONAL EMPLOYMENT:

McKinley & Associates
Wheeling, WV (2002 to present)

Pickering Associates
Parkersburg, WV (1997-2002)

Magnetic Specialty, Inc.
Marietta, OH (1995-1997)

Inland Products, Inc.
Columbus, OH (1993-1995)

SUMMARY OF EXPERIENCE:

Mr. Duskey has over 19 years of experience in the governmental, industrial, commercial, institutional, and educational markets with projects ranging from State Police detachment offices, electrical design of schools, health care facilities, large and small industrial projects, and commercial properties. He has extensive knowledge and experience with the National Electrical Code, state building codes, building industry standards and practices, and has demonstrated the ability to design qualitative and economic solutions to a myriad of challenges.

NOTABLE PROFESSIONAL EXPERIENCES:

Electrical Engineer

West Virginia State Building in Logan, WV (LEED Registered)

WV Department of Health & Human Resources Office Building

West Virginia Independence Hall renovations

West Virginia State Office Complex in Weirton, WV

Panhandle Cleaning & Restoration warehouse and office building

Bennett Square Office Building

Dr. Ganzer Office Building renovations/upgrades

Cabela's Eastern Distribution Center [*New large (~1,200,000 SF) distribution center services, electrical design*]

WVSP Headquarters (*Upgrade electrical service*)

WVSP detachment in Berkeley County (*Upgrade electrical service, renovations*)

West Virginia University - University Police Building

WVU State Fire Training Academy in Jackson's Mill, WV

West Virginia Army National Guard - Mountaineer Challenge Academy at Camp Dawson in Kingwood, WV

United States Postal Service - statewide post offices

WVU Institute of Technology - Maclin Hall Dormitory (*Upgrade electrical service, renovations*)

West Virginia University - Colson Hall (*Upgrade electrical service, including medium voltage distribution, renovations*)

West Virginia Northern Community College - The Education Center (*Upgrade electrical service, renovations*)

Marshall County Schools - Hilltop Elementary (LEED Certified)

Marshall County Schools - Cameron Middle/High School (LEED Registered project)



McKINLEY & ASSOCIATES
ARCHITECTS • ENGINEERS • INTERIOR DESIGN

Senior Mechanical Engineering Designer

● William D. Ciprella

PROFESSIONAL AFFILIATIONS AND REGISTRATIONS:

ASHRAE

PROFESSIONAL EMPLOYMENT:

McKinley & Associates
Wheeling, WV (2009 to present)

Burt Hill
Pittsburgh, Pa (2007-2009)

McKinley & Associates
Wheeling, WV (2005 to 2007)

Astorino Branch Engineers
Pittsburgh, PA (1995-2005)

SUMMARY OF EXPERIENCE:

Mr. Ciprella brings over 45 years experience designing HVAC systems for governmental, educational, industrial, institutional, and commercial facilities. He has over 26 years experience using Autocad software, and over 15 years using Microstation software. In addition, Bill has over 35 years experience using computerized heating and cooling load calculation software. Bill has experience on various high-rise buildings like the Presbyterian Hospital of Pittsburgh and the Children's Hospital of Pittsburgh; both around 25 stories high.

NOTABLE PROFESSIONAL EXPERIENCES:

United States Postal Service - Williamson, WV
United States Postal Service - HVAC in Grafton, WV
United States Postal Service - Clarksburg, WV
United States Postal Service - Charleston, WV
United States Postal Service - Huntington, WV
United States Postal Service - HVAC & Windows in Altoona, PA
United States Postal Service - New Cumberland, PA
United States Postal Service - Corry, PA
United States Postal Service - Monongahela, PA
United States Postal Service - HVAC in Washington, PA
Marshall County Schools - Cameron Middle School / High School (LEED Registered project)
Wood County Schools - Parkersburg High School
Wood County Schools - Parkersburg South High School
Wood County Schools - Williamstown High School
Wood County Schools - Franklin Elementary School HVAC
Wood County Schools - Blennerhassett Middle School HVAC and boiler
Wood County Schools - Kanawha Elementary HVAC
Wetzel County Schools - Long Drain Elementary HVAC
Wetzel County Schools - New Martinsville School HVAC
Wetzel County Schools - Magnolia High School
Wetzel County Schools - Center for Children & Families
Wetzel County Schools - Maintenance Facilities
West Virginia University - Colson Hall
West Virginia Army National Guard - Multipurpose Building

HVAC & Fire Protection Engineering Designer

Michael A. Heath

EDUCATION:

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

PROFESSIONAL EMPLOYMENT:

McKinley & Associates
HVAC & 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 Health & Human Resources Wheeling Office

West Virginia State Office Building in Logan, WV (LEED Registered Project)

West Virginia Independence Hall renovations

Bennett Square Office Building renovations

Dr. Don Chapman D.D.S. / Keep Smiling Family Dentistry Office

Holiday Inn Express Hotel & Suites

Capitol Theatre renovations

West Virginia Army National Guard - Multipurpose Building at Camp Dawson

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

Hancock County Schools:

- A.T. Allison Elementary renovations
- John D. Rockefeller Career Center renovations
- New Manchester Elementary renovations
- Weir Middle renovations

Ohio County Schools:

- Bridge Street Middle School renovations
- Madison Elementary School renovations

Ritchie County Middle/High School renovations

Tyler County Schools - 3 HVAC projects

Wetzel County Schools:

- Long Drain Elementary renovations
- New Martinsville Elementary renovations



McKINLEY & ASSOCIATES
ARCHITECTS • ENGINEERS • INTERIOR DESIGN

Plumbing & Electrical Engineering Designer

● Scott D. Kain

EDUCATION:

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

PROFESSIONAL EMPLOYMENT:

McKinley & Associates
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 & Associates' 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 & Associates.

NOTABLE PROFESSIONAL EXPERIENCES:

West Virginia State Office Building in Logan, WV (LEED Registered)
West Virginia State Office Complex in Weirton, WV
West Virginia Health & Human Resources Wheeling Office
WV Independence Hall renovations
Catholic Heritage Center (office building) renovations
Maxwell Centre (office building) renovations
Orrick Building (office building) renovations
Wagner Building (office building) renovations
Bennett Square Office Building renovations
Sisters of St. Joseph's Convent renovations
West Virginia Northern Community College - B&O Building renovations
West Virginia Northern Community College - Education Center renovations
Wood County Schools - Parkersburg High School renovations
Wood County Schools - Parkersburg South High School renovations
Capitol Theatre renovations
Dr. Ganzer Office Building renovations
OVMC Nurses Residence Hall renovations
West Virginia University - Colson Hall (office bldg.) renovations/upgrade
WVU Institute of Technology - Maclin Hall renovations
United States Postal Service - multiple projects
West Virginia State Police - multiple projects
Cameron Middle School/High School (LEED Registered)
Hilltop Elementary School (LEED Certified)
Panhandle Cleaning & Restoration warehouse and office building



McKINLEY & ASSOCIATES
ARCHITECTS • ENGINEERS • INTERIOR DESIGN

Electrical Engineering Designer

Michael J. Clark Sr.

EDUCATION:

Eastern Gateway Community College
A-ATS Electro-Mechanical Engineering - 2012

Jefferson Community College
A-ATS Electrical Trade Technology - 2003

PROFESSIONAL AFFILIATIONS AND REGISTRATIONS:

Certified in SMAW Weld Process & Basic
Welding and Applications 2002

West Virginia Journeyman License

Ohio Fire Alarm License

OSHA 30 Certified

PROFESSIONAL EMPLOYMENT:

McKinley & Associates
Electrical Engineering Designer
Wheeling, WV (2012 to present)

Arcelor Mittal
Maintenance Technician Electrician
Weirton, WV (2012)

M.J. Electric
Journeyman Electrician
Iron Mountain, MI (2010-2012)

Erb Electric Company
Journeyman Electrician
Bridgeport, OH (2009-2010)

Bechtel Group Inc.
Journeyman Electrician
Glendale, AZ (2009)

Cattrell Companies, Inc
Journeyman Electrician
Toronto, OH (1998-2009)

SUMMARY OF EXPERIENCE:

Mr. Clark is an Electrical Engineering Designer and a Certified Journeyman Electrician with over 20 years of industrial, commercial and residential experience. He is knowledgeable in all areas of the national electrical code and excels in analyzing and solving problems with various electrical controls and systems. Mr. Clark brings a cross-trained background to our projects, being skilled in both the design and the construction ends which gives him a unique ability to understand all aspects of a project. He is also adept in performing electrical and mechanical installations, maintenance and repairs in plant facilities. Furthermore, he is seasoned as an Electrical Foreman and Superintendent on both commercial and industrial job sites. His key skills include Electrical Systems & Controls, Installations & Maintenance, Electromechanical Repairs, Blueprints & Schematics, Generators & Transformers, Switches & Circuit Breakers, Electrical Code, Safety & QA, Wiring Diagrams, Troubleshooting, Testing Instruments, Motors & Conduit, CAD-2D/3D, Welding, & Residential construction.

NOTABLE PROFESSIONAL EXPERIENCES:

West Virginia State Office Building in Logan (LEED Registered)
Bennett Square office build-out
Follansbee City Building renovations
Wellsburg City Building renovations
Silver Company - Moss Neck Storage Building
Carenbauer Wholesale Corporation warehouse addition/renovations
Holiday Inn Express Hotel & Suites / Washington, PA
Holiday Inn Express Hotel & Suites / Cambridge, OH
Grave Creek Mound Museum renovations
Union Bank renovations
Jefferson County Courthouse renovations
City of Steubenville - Parks Lighting
West Liberty University - Football Field Lighting
Brooke County Schools - Adult Learning Center (ALC)
Grant County Schools - Maysville renovations
Hampshire County Schools - Animal Vet Science Center
Hancock County Schools - Weirton Elementary
Hancock County Schools - Oak Glen High renovations
Hancock County Schools - Weir High renovations
Marshall County Schools - Cameron High
The Linsly School renovations



McKINLEY & ASSOCIATES
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Civil Site Engineering Designer

● Allison M. Carmichael

EDUCATION:

Norwich University
Masters in Civil Engineering - 2011

Youngstown State University
B.S. Civil Engineering Technology - 2000

Kent State University
Architectural Drafting Technology - 1983

PROFESSIONAL EMPLOYMENT:

McKinley & Associates
Civil Site Designer
Wheeling, WV (2006 to present)

Lynn, Kittinger & Noble Inc.
Staff Engineer
Warren, OH (2003-2006)

Engineering Services & Consultants Inc.
Staff Engineer
Youngstown, OH (2001-2003)

The Cafaro Company
Civil Engineering Technologist
Youngstown, OH (1992-2001)

A. C. Charnas & Associates
Drafter, Soil Technician
Warren, OH (1983-1992)

SUMMARY OF EXPERIENCE:

An extremely talented Civil Engineering Designer with experience in planning, governmental permitting, design, construction documents, cost analysis and procurement, request for information during construction and inspections. Her qualifications include experience with site development for governmental, commercial, industrial, institutional, educational, and residential properties.

NOTABLE PROFESSIONAL EXPERIENCES:

Responsibilities include design work, permit paper work, and project management of site development projects that include commercial, institutional and residential

Secured project approvals through local, state and federal governmental organizations

Concentration is in Zoning, Storm water management and Phase II Water Quality site implementation

Managed projects with clients to plan and design sites for residential, commercial and industrial use; from conceptual stage to securing project approvals for construction

Designed and developed contract documents

Estimated site construction costs

Performed construction inspection

Examples of projects include: residential subdivisions; residential retirement facility site development; construction and demolition debris landfill

Commercial Projects include banking, retail and restaurant sites; either stand-alone sites or outparcel development

Institutional Projects include additions, renovations and new site development

Write and file Municipal Separate Storm Sewer System (MS4) Water Management permits

Interior Designer

● Deb Blakeman, NCIDQ



National Council for
Interior Design Qualification

EDUCATION:

University of Charleston
Bachelor of Arts, Interior Design - 1992

PROFESSIONAL AFFILIATIONS AND REGISTRATIONS:

**National Council for Interior
Design Qualification:**
NCIDQ #015070

Associate Member:

The American Institute of Architects

PROFESSIONAL EMPLOYMENT:

McKinley & Associates
Charleston, WV (2004 to present)

HDMR Group Inc
Charleston, WV (2000-2004)

Custom Office Furniture
Charleston, WV (1994-2000)

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

Interior Design
Charleston, WV (1992-1994)

Freeland Furniture Company
Charleston, WV (1981-1987)

Interior Reflections
Logan, WV (1980-1981)

SUMMARY OF EXPERIENCE:

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

NOTABLE PROFESSIONAL EXPERIENCES:

Interior Designer

West Virginia State Building in Logan, WV (LEED Registered Project)

McKinley & Associates Charleston Area Office (2009 WV AIA Design Award winner)

West Virginia State Police Academy

Panhandle Cleaning & Restoration Office

Bennett Square Office Building

Governor Wise, Governor Underwood, and Governor Caperton / Staff Offices (Furnishings, Finishes, and Space Planning)*

Treasurer John D. Perdue / Unclaimed Properties Division (Space Planning and Furnishings) / Treasurer's Office and Staff Office (Window Treatments, Furnishings, Finishes, and Space Planning)*

Marshall County Schools - Hilltop Elementary School (LEED Certified Project)

West Virginia University - State Fire Training Academy

West Virginia University - Colson Hall

Sisters of St. Joseph - Convent / Assisted Living renovation project
Braxton County Senior Center

Interior Designer / Sales

WV Graduate College (Furnishings)*

WV Credit Union (Space Planning, Furnishings and Finishes)*

Adjunct Professor

University of Charleston

* previous work experience with a firm other than McKinley & Associates



McKINLEY & ASSOCIATES
ARCHITECTS • ENGINEERS • INTERIOR DESIGN

Construction Administrator (Project Coordinator)

Robert E. Smith

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:

President:

Mingo Business Association (2007 to present)

Commander:

American Legion Post 351 (2008 to present)

Board Member:

Indian Creek School District (elected in 2009)

PROFESSIONAL EMPLOYMENT:

McKinley & Associates
Project Coordinator
Wheeling, WV (2009 to present)

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

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

MILITARY SERVICE:

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

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

SUMMARY OF EXPERIENCE:

Mr. Smith is a self confident, articulate and highly motivated individual with superior interpersonal and teamwork skills. He has a plethora of experience in mid to upper level personnel management, advanced information systems integration, training, acquisition, contract management, transportation and maintenance, and quality control. He has 23 years of direct supervisory experience, as well as 13 years of documented success as an Air Force Officer.

NOTABLE PROFESSIONAL EXPERIENCES:

Construction Administration/Project Coordination for:
Follansbee City Building renovations

USPS Clarksburg, WV Financial Office renovations & elevator
Cameron American Legion renovations

Lincoln National Bank Building historic preservation

The Linsly School - Banes Hall renovations

The Linsly School - Behrens Gym renovations

Steel Valley Regional Transit Authority renovations

Jefferson County (OH) Jobs & Family Services renovations

USPS Clarksburg, WV Financial Office

Cabela's Eastern Distribution Center

Brooke County Schools - Follansbee Middle

Grant County Schools - Maysville HVAC/Windows

Grant County Schools - Union Educational Complex Locker Rooms

Hampshire County Schools - Animal Vet Science Center

Hancock County Schools - A.T. Allison Elementary

Hancock County Schools - John D. Rockefeller Career Center

Hancock County Schools - New Manchester Elementary

Hancock County Schools - Oak Glen High HVAC and renovations

Hancock County Schools - Oak Glen High Field of Dreams

Hancock County Schools - Oak Glen High Multi-Sports Complex

Hancock County Schools - Oak Glen High Wrestling Room

Hancock County Schools - Weir High Multi-Sports Complex

Hancock County Schools - Weir MS/HS HVAC

Hancock County Schools - NEW Weirton Elementary

Marshall County Schools - NEW Cameron Middle / High School
(LEED Registered)

Marshall County Schools - NEW Hilltop Elementary School
(LEED Certified)

Tyler County Schools - 3 HVAC projects

Tyler County Schools - Bus Maintenance Garage

Larry L. McCoy, Jr., PE

Civil Engineering Services Manager, Senior Engineer
Southwest Region

PROFESSIONAL EXPERIENCE

16 Years

HIGHLIGHTS OF EXPERIENCE

Mr. McCoy is currently the Department Manager for our Civil/Transportation Design Section and a Project Manager for the St. Albans office of TRIAD. In this capacity, he is responsible for the oversight of our civil engineering staff as well as the technical and management aspects of civil design and transportation projects within the office. Mr. McCoy has designed and managed projects in numerous disciplines including civil, structural and transportation engineering, site development, planning and surveying. These projects have included streets/highways, bridges, retail/commercial site preparation, airports, parking lots, buildings, retaining walls/foundations, sanitary structures, as well as recreational facilities. Duties included field surveying, drawings and specification preparation, design, design drafting, construction inspection, quality control testing, shop drawing review, project management, contract administration and report preparation.

REGISTRATIONS, LICENSES & TRAINING

Professional Engineer No. 14731 West Virginia

No. 25932 Kentucky

No. 73186 Ohio

Certified Flood Plain Manager

HIS PROJECT EXPERIENCE INCLUDES:

Logan Embankment Failure Repair – Logan, WV

As Project manager and Lead Civil Designer, Mr. McCoy prepared construction documents for the repair of 4 landslides within the City of Logan. Project coordination was with the city and FEMA as the slides were attributed to local storm runoff. These landslides posed both access issues as well as safety issues to residents. The slides were encroaching on a structure in one case, access to the McCoy-Hatfield recreational trail, and were encroaching on city streets rendering them dangerously narrow with nearly vertical drop offs. Repairs varied from drilled pile walls to soil nailing. The repairs were designed to stabilize the slides and restore city streets to pre-slide conditions.

Bayer CropScience – Institute, WV

As Project manager and Lead Civil Designer, Mr. McCoy prepared construction documents for the expansion for Bayer CropScience's Hazardous Waste Landfill in Institute, WV. The project included grading, drainage and the design of landfill liner and closure features including both earthen and synthetic liners and drainage features.

William Sharpe Hospital Expansion– Weston, WV

As Project Manager and Lead Civil Designer, Mr. McCoy prepared construction documents for site infrastructure for a 50 bed expansion to the existing William Sharpe Hospital Expansion. This project includes grading, drainage, detention, roadway expansion, parking lot design, utilities as well as many other aspects.

King's Daughters Medical Center – Various Locations in KY and OH

As Project Manager and Lead Designer, Mr. McCoy prepared construction documents for the construction of numerous medical office buildings throughout Ohio and Kentucky. These projects include grading, drainage, detention, roadway expansion, parking lot design, utilities as well as many other aspects. Following is a list of more specific project locations:

Sheetz Store, Eisenhower Drive, Beckley, WV

As Project Manager and Lead Designer, Mr. McCoy prepared construction documents for the construction of a gas station/convenience store in Beckley, WV. This project includes grading, drainage, detention, roadway expansion, parking lot design, water quality design as well as many other aspects.

Sheetz Store, Robert C. Byrd Drive, Beckley, WV

As Project Manager and Lead Designer, Mr. McCoy prepared construction documents for the construction of a gas station/convenience store in Beckley, WV. This project includes grading, drainage, detention, roadway expansion, parking lot design, water quality design as well as many other aspects.

Amazon Call Center – Huntington, WV

As Project Manager and Lead Designer, Mr. McCoy prepared construction documents for the construction of a 70,000 square foot call center with 9 acres of parking in Huntington, WV. This facility houses over 800 customer service employees. This project includes grading, drainage, detention, roadway expansion, parking lot design, utility design including water and sanitary sewer, water quality design as well as many other aspects.

DirecTV Call Center – Huntington, WV

As Project Manager and Lead Designer, Mr. McCoy prepared construction documents for the construction of a call center just outside Huntington, WV. This facility houses DirecTV's customer service employees. This project includes grading, drainage, detention, roadway expansion, parking lot design, utility design including water and sanitary sewer, as well as many other aspects.

American Church Bridge Replacement, Delbarton, WV

Project Manager and lead roadway designer for the replacement of the American Church Bridge in Delbarton and related roadway work in Mingo County, WV. This project included managing structural engineers, geotechnical engineers, surveyors, other roadway engineers, and designers. Design work for this project included drainage, HEC-RAS analysis, roadway design, and right of way design.

Corridor H, U.S. 48 – Scherr, WV

Project Manager and lead roadway designer for 2.25 miles of 4 lane divided highway in Grant County, WV. This project included managing structural engineers, geotechnical engineers, surveyors, other roadway engineers, and designers. Worked closely with West Virginia Department of Transportation personnel as well as local residents during the highways design through the environmentally sensitive Greenland Gap area.

Hobet Mining, LLC – Madison, WV

Performed design of roadway, drainage, and pavement for the relocation of Boone County Route 9 near Madison, WV.

Appalachian Fuels, LLC – Man, WV

Performed design of roadway, drainage, and pavement for the relocation of Logan County Route 10 near Pardee, WV.

Loves Country Stores – Ripley, WV

As Project Manager and Lead Designer, Mr. McCoy prepared construction documents for the construction of a truck stop/travel store in Ripley, WV. This project includes grading, drainage, roadway expansion, parking lot design, as well as many other aspects.

Devonshire Development, Scott Depot, WV

As Project Manager and Lead Engineer, Mr. McCoy, is responsible for the project design and construction administrative services for a large resort style mix use residential development located in Scott Depot, WV. This development consists of apartments, townhouses and condominiums, state-of-the-art 6500 sq ft clubhouse as well as swimming pools, Jacuzzis, sport courts, tot lots, and dog exercise areas. This project includes grading, drainage, permitting, parking lot design, as well as many other aspects.

WVDEP, Division of Abandoned Mine Land & Reclamation, various locations

As Project Manager and Lead Engineer, Mr. McCoy has been responsible for numerous AML&R designs throughout southern West Virginia. These designs have included grading, drainage, sealing of mine portals (wet & dry), and all aspects related to the closure and reclamation of pre-law mining sites.

Pendleton County Commission - Franklin, WV

Project Manager and lead designer for a park project near Ruddle, WV. This park includes baseball fields, jousting field, parking facilities, exercise trails, and concession building. Mr. McCoy also managed the preparation of construction documents and aided in the bidding of the project. As **Project Manager and Lead Engineer**, provided technical supervision and oversight to the civil site design for the construction of this \$300,000 Recreational/ Sport Park. This project included grading, drainage, roadway design, parking lot design, as well as all aspects of designing a large multi-use sports complex. As Project Manager, was also responsible ensuring that the site was able to acquire United States Corps of Engineers Permitting due to sensitive flood plain issues.

BB&T Bank – Beckley, WV

As Project Manager and Lead Designer, Mr. McCoy prepared construction documents for the construction of a bank office building in Beckley, WV. This project includes grading, drainage, detention, roadway expansion, parking lot design, as well as many other aspects.

Lakeview Substation, Cross Lanes, WV

As Project Manager and Lead Designer, Mr. McCoy prepared construction documents for the construction of a electric substation in Cross Lanes, WV. This project includes grading, drainage, and a reinforced embankment at a 1:1 slope.

North Proctorville Substation, Proctorville, OH

As Project Manager and Lead Designer, Mr. McCoy prepared construction documents for the construction of a electric substation in Cross Lanes, WV. This project includes grading, drainage and utilities. Also involved was a hydraulic and hydrologic study involving a nearby stream.

Steven R. Spradling, MS, PE

Senior Engineer

PROFESSIONAL EXPERIENCE

38 Years

HIGHLIGHTS OF EXPERIENCE

Mr. Spradling is currently a Senior Engineer at the St. Albans branch of TRIAD. In this capacity, He has formulated and implemented subsurface investigations on numerous projects. These projects have included landslides, retaining walls, reinforced slopes, freshwater dams, shopping centers, landfills, roadway/bridges, buildings, and structures for coal mining facilities. His duties include assignment of laboratory testing, visual inspection of soil/rock specimens, and formulation of geotechnical engineering reports. Mr. Spradling also generates designs for retaining walls and structures, reinforced slopes, and dams. Mr. Spradling's strong background in the construction industry provides TRIAD with a reliable source in preparing bid documents and evaluating construction bids.

REGISTRATIONS, LICENSES & TRAINING

Registered Professional Engineer

West Virginia

HIS PROJECT EXPERIENCE INCLUDES:

Landslides

As Senior Engineer, Mr. Spradling has had extensive experience in landslide abatement projects. The landslide projects have ranged from subsurface investigations and recommendations to completed designs of the recommended abatement measures. Mr. Spradling has designed landslide abatement measures for Dominion Gas, American Electric Power, Cabell Huntington Hospital, and Clay County Schools. Designed abatement measures ranged from re-grading and drainage improvements to reinforced earth slopes and retaining structures including gabion basket gravity walls and drilled pile cantilever walls

American Electric Power

Mr. Spradling performed design services for several AEP projects. These projects included a drilled pile wall to stabilize a landslide which was threatening an AEP substation in St. Albans, WV. He also designed a 100 ft. high reinforced slope and associated site grading as part of the Kammer Station Expansion project near Moundsville, WV. Another AEP design project consisted of a stream bank stabilization project at the Huff Creek Substation in Logan County, WV.

West Virginia Department of Transportation

As Senior Engineer, Mr. Spradling is responsible for many geotechnical aspects of highway design and construction including new highways and upgrades to existing roads. On these projects the work is generally performed on a subcontract basis for various consulting engineering firms

responsible for the highway design. However, much of the work requires working directly with WVVDOT personnel. Duties on these highway projects include preparing subsurface investigation plans, assigning laboratory testing for soil and rock materials, performing retaining wall analyses, providing foundation recommendation for bridges, providing cut and fill slope recommendations, performing slope stability analysis, and preparing subsurface investigation reports. The work includes analyzing the behavior of piles and caissons subjected to lateral load and performing pile drivability studies. The work also includes providing geotechnical support services for highway construction.

West Virginia Department of Environmental Protection

As Senior Engineer, Mr. Spradling was responsible for the remedial design of several abandoned refuse piles known as Pinnacle Refuse Piles located in southern West Virginia. This project included design of drainage structures, slope stability analysis, slope design and civil site design. The project also included leading the pre-bid and pre-construction meetings.

Snowshoe Mountain Resort, Snowshoe, WV

As Senior Engineer, Mr. Spradling designed a new water supply dam and designed a modification for an existing water supply dam for the Snowshoe Mountain Resort. Mr. Spradling was responsible for all facets of the analysis, design, and construction inspection for the earth fill water supply dams, including geotechnical analysis and design, borrow study, seepage analysis, construction dewatering, hydraulic analysis and design. Included in this project was the design of a reinforced concrete intake and outlet structure. These were fast track projects which required meeting extremely accelerated schedules. The projects also included attending pre-construction, periodic inspection, and final inspection meetings. The project also included participating in project administration during construction.

Subsurface and Foundation Investigations

Mr. Spradling has performed subsurface and foundation investigations for various private business and industrial firms. These projects required working closely with the client to provide the needed engineering services. The projects consisted of performing subsurface investigations and analysis and recommending appropriate foundation types based on the results of the subsurface investigation. The projects also involved estimating potential settlement, delineating potential subsurface problems, and provided related recommendations regarding the geotechnical aspects of the projects. A geotechnical report was prepared and provided to the client for each project. Mr. Spradling has also designed foundation systems for buildings and free standing towers.

Columbia Gas Transmission

Mr. Spradling designed temporary shoring for a Columbia Gas Transmission gas line repair project in Seneca, West Virginia. This repair project required deep excavation very near a major highway

and other structures. Mr. Spradling also designed temporary shoring for a Columbia Gas Transmission for a major pipeline relocation project near Richmond, Virginia.

Hurricane Water Supply Reservoir Dam

As senior engineer, Mr. Spradling designed modifications to the Hurricane Water Supply Reservoir Dam. These modifications were necessary to bring the dam into compliance with the current WVDEP Dam Safety regulations. This project required very complex hydrologic and hydraulic analysis in order to demonstrate that the dam as modified can safely pass and or store a major storm event and that the modified dam meets the Dam Safety regulations.

Massey Coal

As Senior Engineer, Mr. Spradling performed geotechnical analysis and made recommendation for founding a new Massey Coal office building on fill, and made cut slope recommendation for the new office access road.

Highland Hospital

Mr. Spradling designed sheet pile shoring required to facilitate construction of the new Highland Hospital to be located in Charleston, West Virginia.

Daniel H. Lipscomb, PE

Project Manager

PROFESSIONAL EXPERIENCE

11 Years

HIGHLIGHTS OF EXPERIENCE

Mr. Lipscomb is currently a Project Engineer at the St. Albans branch of TRIAD. In this capacity, he has been involved in development and management of subsurface exploration projects and development of geotechnical engineering reports providing recommendations based on field observations and laboratory results for bearing capacity, earthwork operations, earthen dam embankments, slope stability, flexible and rigid pavement design, lateral earth pressures, sinkhole remediation, geophysics (electrical resistivity and ground penetrating radar), and rock excavation. These projects have included freshwater dams, shopping centers, roadway/bridges, buildings, retaining walls, residential communities, water storage tanks, waste water treatment facilities, and structures for coal mining facilities. Duties included assignment of laboratory testing, visual inspection of soil/rock specimens, geophysics, and earthen embankment evaluation.

Mr. Lipscomb has additional experience in areas relating to civil site design, hydrologic and hydraulic design, grading plans, water line plans, sewer line plans, hydraulic calculations, storage tank sizing, booster station design, roadway layout and design, storm water management plans, technical specifications, environmental and regulatory permitting, blast monitoring, and construction quality control.

REGISTRATIONS, LICENSES & TRAINING

Registered Professional Engineer

West Virginia

HIS PROJECT EXPERIENCE INCLUDES:

Subsurface and Foundation Investigations (West Virginia, Virginia, Maryland, Kentucky, and Ohio)

Mr. Lipscomb has performed subsurface and foundation investigations for various private business and industrial firms. The projects consisted of performing subsurface investigations and analysis and recommending appropriate foundation types based on the results of the subsurface investigation. The projects also involved estimating potential settlement, delineating potential subsurface problems, and providing related recommendations regarding the geotechnical aspects of the projects. A geotechnical report was prepared and provided to the client for each project. Mr. Lipscomb has also designed foundation systems for buildings and other structures.

Dominion Transmission, Inc. (Chelyan, West Virginia)

As project engineer, Mr. Lipscomb processed information gathered during drilling activities and developed a report of subsurface exploration to aid in the design of a horizontal directional drilling project under the Kanawha River in Kanawha County, West Virginia. This included providing rock core unconfined compression test results, and performing a review of rock core samples to observe their Mohs Scale of Mineral Hardness values. Regional geologic information was also given to aid in the project's design.

United Coal Company (Crab Orchard, West Virginia)

As project engineer, Mr. Lipscomb performed geotechnical analysis of the site subsurface conditions and provided foundation recommendations for new coal preparation plant components planned to improve an existing facility. New coal preparation plant components included in the project consisted of a main coal preparation plant building, a raw coal reclaim tunnel, raw and clean coal stock piles (including stacker tubes), a loadout unit, and a refuse bin. Mr. Lipscomb recommended the use of cast-in-place concrete caissons for the majority of the proposed components due to underlying fill of unknown origin and variable content. Cast-in-place concrete caisson design parameters were provided for each of the proposed components, and spread foundation design parameters were provided for the refuse bin as an alternative to cast-in-place concrete caissons.

Putnam County Schools (Putnam County, West Virginia)

Mr. Lipscomb served as the project engineer for the subsurface exploration at multiple Putnam County School projects. His responsibilities on the projects included scheduling and coordination of drilling activities, oversight of assignment for laboratory analysis of soil samples collected during drilling activities, developing boring logs, performing estimated settlement calculations, developing foundation recommendations, and composing a report of subsurface exploration for the individual projects.

Water Distribution System Upgrades (Boone, Wayne, Berkley, Lincoln, and Logan Counties, West Virginia)

Mr. Lipscomb has served as the project engineer for the detailed design of over 30 miles of water line extensions and associated appurtenances, including the preparation of construction drawings, water storage tank sizing and design, booster station design, hydraulic calculations, technical specifications, cost estimates, contractor's bid documents, review and recommendation of contractor's bids, and review of shop drawings.

Civil/Site Design Projects (West Virginia, and Virginia)

Mr. Lipscomb has civil/site design experience related to the development of grading plans, cut/fill analysis, utility design/layout, hydrological analysis, hydraulic evaluations of open channel flow systems, storm sewer design, stormwater retention/detention design, sediment control structure design, preparation of permit applications, and consulting with clients, architects, regulatory agencies, and municipalities.

James R. Criniti, EIT

Staff Engineer
Southwest Region

PROFESSIONAL EXPERIENCE

5 Years

HIGHLIGHTS OF EXPERIENCE

Mr. Criniti is responsible for Staff Support of civil and surveying projects. He has participated in the design and management of numerous projects. These projects have included retail/commercial site preparation, airports, parking lots, buildings, retaining walls, foundations, sanitary structures, as well as boundary and topographic and photogrammetric surveys. Duties have included hydrologic and hydraulic analysis and design, erosion and sediment control plans, storm water management, field surveying, preparation of construction and as-built drawings, project specifications and preparation of various permit applications. Mr. Criniti also performs construction management, construction inspection, quality control testing, shop drawing review, project management, contract administration, and report preparation. He performs engineering calculations, studies, plans, reports and data analysis, all under the supervision of a licensed engineer. Mr. Criniti assists in the coordinating of construction projects including conducting pre-bid, pre-construction and progress meetings, schedule review and pay request review and approval. He also assists in conducting interim and final inspections of construction projects to determine compliance with applicable laws, regulations, and specifications.

REGISTRATIONS, LICENSES & TRAINING

Professional Engineer In Training, West Virginia

HIS PROJECT EXPERIENCE INCLUDES:

City National Bank – Construction Administration Services, WV

This project consists of a state wide contract to provide construction administration services for City National Bank on bank loans for commercial construction projects. On this project Mr. Criniti is responsible for performing periodic job site inspections of work progress, reviewing contractor pay requests, monitoring project schedules as they pertain to percent completion and pay requests, and conducting periodic progress meetings.

Devonshire Housing Development, Scott Depot, WV

As a Staff Engineer, Mr. Criniti has been involved in and is responsible for site development design and permitting for various portions of this large residential development. In this capacity he has to coordinate with the project architect, local municipalities, the WVDOH and the project developer. Work on these projects includes building pad positioning and elevation, access road layout including grading design, parking lot layout, utility routing, storm drainage feature layout and design. Permitting work on these projects includes WVDOH encroachment permitting, health department permitting and NPDES permitting for handling surface water during construction. Mr. Criniti is also responsible for attending and conducting project meetings with the project contractor, the developer and associated agency.

BB&T Facility Beckley, WV

As a Staff Engineer, Mr. Criniti has been involved in and is responsible for the drainage design and permitting for this branch bank facility. In this capacity he has to coordinate with the project architect, local municipalities, the WVDOH and the project developer. Work on this project included, utility routing, storm drainage design, storm water management design and preparation of WVDOH encroachment permit applications, health department permit application and NPDES permit application for handling surface water during construction. Mr. Criniti is also responsible for performing construction admin on this project consisting of site inspections, pay application review and approval and construction schedule monitoring.

Washington Nile, Clay Local School District and Portsmouth Athletic complex , Various, Ohio

As a Staff Engineer, Mr. Criniti has been involved in and is responsible for the drainage design and permitting for these projects. In this capacity he has to coordinate with the project architect, local municipalities, the ODOT and the project developer. Work on these projects included, utility routing, storm drainage design, storm water management design and preparation of ODOT encroachment permit applications, health department permit application and NPDES permit application for handling surface water during construction. Mr. Criniti is also responsible for performing construction admin on this project consisting of site inspections, pay application review and approval and construction schedule monitoring.

Tolsia Athletic Fields, Fort Gay, West Virginia

As a Staff Engineer, Mr. Criniti has been involved in and is responsible for the drainage design and permitting for this project. In this capacity he has to coordinate with the project architect, local municipalities, the WVDOH and the project developer. Work on this project included, utility routing, storm drainage design, storm water management design and preparation of WVDOH encroachment permit applications, health department permit application and NPDES permit application for handling surface water during construction. Mr. Criniti was responsible for performing construction admin on this project consisting of site inspections, pay application review and approval and construction schedule monitoring.

Oak Hill high School Baseball and Softball Complex, Oak Hill, Ohio

As a Staff Engineer, Mr. Criniti has been involved in and is responsible for the drainage design and permitting for this project. In this capacity he has to coordinate with the project architect, local municipalities, state regulatory agencies and the project developer. The project involved the planning, and design and preparation of construction documents for a baseball field, softball field, tennis open green space, parking areas and an extensive underground storm water detention system, synthetic turf baseball infield, and irrigation for both facilities.

Bayer CropScience – Institute, WV

As a Staff Engineer, Mr. Criniti has been involved in and is responsible for the drainage design for this project. Mr. Criniti assisted the projected manager in the preparation of construction documents for the expansion for Bayer CropScience's Hazardous Waste Landfill in Institute, WV. The project included grading, drainage and the design of landfill liner and closure features including both earthen and synthetic liners and drainage features.

William Sharpe Hospital Expansion– Weston, WV

As a Staff Engineer, Mr. Criniti has been involved in and is responsible for the drainage design and permitting for this project. Mr. Criniti assisted the projected manager in the preparation of construction documents for site infrastructure for a 50 bed expansion to the existing William Sharpe Hospital Expansion. This project includes grading, drainage, detention, roadway expansion, parking lot design, utilities as well as many other aspects.

King's Daughters Medical Center – Various Locations in KY and OH

As a Staff Engineer, Mr. Criniti has been involved in and is responsible for the drainage design for this project. Mr. Criniti assisted the projected manager in the preparation of construction documents for the construction of numerous medical office buildings throughout Ohio and Kentucky. These projects include grading, drainage, detention, roadway expansion, parking lot design, utilities as well as many other aspects. Following is a list of more specific project locations:

Sheetz Store, Eisenhower Drive, Beckley, WV

As a Staff Engineer, Mr. Criniti has been involved in and is responsible for the drainage design and permitting for this project. Mr. Criniti assisted the projected manager in the preparation of construction documents for the construction of a gas station/convenience store in Beckley, WV. This project includes grading, drainage, detention, roadway expansion, parking lot design, water quality design as well as many other aspects.

Sheetz Store, Robert C. Byrd Drive, Beckley, WV

As a Staff Engineer, Mr. Criniti has been involved in and is responsible for the drainage design and permitting for this project. Mr. Criniti assisted the projected manager in the preparation of construction documents for the construction of a gas station/convenience store in Beckley, WV. This project includes grading, drainage, detention, roadway expansion, parking lot design, water quality design as well as many other aspects.

Amazon Call Center – Huntington, WV

As a Staff Engineer, Mr. Criniti has been involved in and is responsible for the drainage design and permitting for this project. Mr. Criniti assisted the projected manager in the preparation of construction documents for the construction of a 70,000 square foot call center with 9 acres of parking in Huntington, WV. This facility houses over 800 customer service employees. This project includes grading, drainage, detention, roadway expansion, parking lot design, utility design including water and sanitary sewer, water quality design as well as many other aspects.

DirecTV Call Center – Huntington, WV

As a Staff Engineer, Mr. Criniti has been involved in and is responsible for the drainage design and permitting for this project. Mr. Criniti assisted the projected manager in the preparation of construction documents for the construction of a call center just outside Huntington, WV. This facility houses DirecTV's customer service employees. This project includes grading, drainage, detention, roadway expansion, parking lot design, utility design including water and sanitary sewer, as well as many other aspects.

WVDEP, Division of Abandoned Mine Land & Reclamation, various locations

As a Staff Engineer, Mr. Criniti assisted the projected manager in numerous AML&R design projects throughout southern West Virginia. These designs have included grading, drainage,

sealing of mine portals (wet & dry), and all aspects related to the closure and reclamation of pre-law mining sites.

Lakeview Substation, Cross Lanes, WV

As a Staff Engineer, Mr. Criniti has been involved in and is responsible for the drainage design and permitting for this project. Mr. Criniti assisted the projected manager in the preparation of construction documents for the construction of a electric substation in Cross Lanes, WV. This project includes grading, drainage, and a reinforced embankment at a 1:1 slope.

North Proctorville Substation, Proctorville, OH

As a Staff Engineer, Mr. Criniti has been involved in and is responsible for the drainage design and permitting for this project. Mr. Criniti assisted the projected manager in the preparation of construction documents for the construction of a electric substation in Cross Lanes, WV. This project includes grading, drainage and utilities. Also involved was a hydraulic and hydrologic study involving a nearby stream.

Joe H. Young, RLA

Senior Landscape Architect, Southwest Region

PROFESSIONAL EXPERIENCE

24 Years

HIGHLIGHTS OF EXPERIENCE

Mr. Young currently serves as Senior Landscape Architect for the Southwestern Region of Triad Engineering, Inc. In this capacity, he provides clients with a variety of landscape architectural services including site inventory and analysis, program production, conceptual design, design development, high quality graphic presentations, project management, construction document preparation and construction administration. In this capacity, Mr. Young brings years of experience on a diverse range of projects covering all aspects of landscape architectural design and planning in both the public and private sector. Mr. Young's experience includes park and streetscape design, resort and campus master planning, subdivision layout, landscape and hardscape design, landscape design, grading and earthwork calculations, construction detailing, specifications, and estimating. Mr. Young also performs Project Management on related projects, and has been involved in planning projects for national and international military bases, pocket parks, 5,000 acre reserves, large downtown streetscapes, subdivision layout and design, and campus master plans for many college and universities.

REGISTRATIONS, LICENSES & TRAINING

Registered Professional Landscape Architect

West Virginia, Ohio, Kentucky

HIS PROJECT EXPERIENCE INCLUDES:

King's Daughters Medical Center, Ashland, KY

This project consisted of site civil engineering services as well as landscape architectural services for multiple Medical Office Buildings in Southern Ohio and Eastern Kentucky. Mr. Young worked with a project team headed by the Architect and the owner, to develop a complete comprehensive set of construction drawings. This projects involved optimizing the available properties to accommodate the medical office buildings and parking areas that improved circulation on the site to allow for a patient drop-off area at the front of the buildings. Services provided by included preparation of construction documents and details including site grading and drainage features, landscaping to compliment the architecture of the buildings and local and state permits.

St. Mary's Medical Center, Boiler Plant, Huntington, WV

Mr. Young over saw the Site Civil and Landscape Architecture work the development of the new Boiler Plant on the Main Campus. The project involved the planning, and design and preparation of construction documents for the, parking area, outdoor storage area, utilities, storm water design and landscape screening to meet the requirements of the City of Huntington as well as the adjacent neighbors.

St. Mary's Medical Center, Huntington, WV

Teaming with a local architect to provide a comprehensive plan for the future development of St Mary's Medical Center campus, Mr. Young oversaw the planning for this project which included the realignment of roads and parking areas to improve vehicular and pedestrian circulation. The plan also included the development of a green space system that allows patients, visitors and employees to walk from building to building with minimal vehicular conflicts. One of the key elements of the project was reducing the amount of paved area on campus. The reduction of paved area will reduce the amount of storm water entering the city's combined system. A portion for the parking lot will incorporate a pervious pavement system that will further reduce the storm water impact on the local system.

Sacred Heart Pavilion, Diocese of Wheeling-Charleston, Charleston, WV

This project consisted of site civil engineering services as well as landscape architectural services for Daycare and Gymnasium building in downtown Charleston, WV. This projects involved optimizing the available properties to accommodate the building, parking area, and a synthetic turf play area for the daycare. The design also needed to allow for a drop-off area at the front of the building. Services provided by included preparation of construction documents and details including site grading and drainage features, landscaping to compliment the architecture of the buildings and local and state permits.

Oak Hill high School Baseball and Softball Complex, Oak Hill, Ohio

Mr. Young over saw the Site Civil and Landscape Architecture work for this 10 acre development on the campus of Oak Hill High School in Oak Hill Ohio. The project involved the planning, and design and preparation of construction documents for a baseball field, softball field, tennis open green space, parking areas and an extensive underground storm water detention system. synthetic turf baseball infield, and irrigation for both facilities.

Huntington Pediatric Dentistry and Orthodontics, Huntington, WV

Triad Engineering, Inc. teamed with the Huntington Pediatric Dentistry's Architects / Contractor to provide a comprehensive set of construction plans for the development of the new Huntington facility in Kinetic Park. Mr. Young served as project Landscape Architect and helped guide the team with the development of the parking, vehicular and pedestrian circulation, utilities, storm water design and landscaping to meet the requirements of the Kinetic Park and the City of Huntington.

Washington Nile Local School District, West Portsmouth, OH

Mr. Young oversaw the site civil landscape work for the development of a middle school on an existing high school and elementary site. The new addition occupies the area now that was being used as an football practice field and open play area. The site needed to be raised 13 feet so that it would no longer be in the Ohio Rivers flood plain. Site features included the development of a new circulation and parking system, the placing of the building for appropriate sun orientation, pedestrian circulation around the site, utility design and an extensive storm water management system. The project is a LEED registered project that achieved a Silver Certification. Triad worked with a project team headed by the architect and owner, to develop a complete comprehensive set of construction documents.

Clay Local School District, Portsmouth OH

The project consists of the development of an existing high school site into a K-12 school site with the addition of the middle and elementary schools . The new addition occupies the area now being used as student and faculty parking area. Site features included the development of a new circulation and parking system, the development of age appropriate play areas, outdoor learning areas, outdoor courtyard area, pedestrian circulation around the site, utility design and an storm water management system. This project is a LEED registered sustainable project.

Welch Riverfront Park, Welch, WV

The City of Welch set its sights on improving the downtown area and creating a positive image for the City and the surrounding communities. Mr. Young helped the community leaders come up with a vision that would fulfill their goals of a positive community image. With the creation of a park and streetscape improvements to a downtown area adjacent to the Tug Fork River was the key element to a master plan that was developed. From the master plan the Riverfront Park was selected to be the first project. The park included extensive landscape improvements, lighting upgrades, concrete sidewalks with clay pavers, street furniture, parking improvements and the creation of an amphitheater space that connected the lower level and the upper level with a ADA ramps and steps. The space was developed to create a open space that could be used for community events as well as to create a greatly needed open space in the downtown area. The construction, which had to meet the City of Welch's stringent aesthetic requirements, required Mr. Young's design expertise

until the final touches were in place on the park, which was completed during the fall of 2009. The project won the American Society of Landscape Architects West Virginia Chapter Honor Award for outstanding professional achievement in Urban Design.

Portsmouth high School Athletic Complex, Portsmouth, Ohio

Mr. Young over saw the Site Civil and Landscape Architecture work for this 35 acre development in downtown Portsmouth Ohio. The project involved the planning, and design and preparation of construction documents for a football stadium, baseball field, softball field, tennis courts, outdoor basketball courts, dedicated running track, open green space, parking areas and an extensive underground storm water detention system to meet the stringent standards of the City of Portsmouth.

Boone County Sports Complex, Julian, WV

Boone County Parks and Recreation (BCPR) wanted to expand the activities at their existing 130 acre park site near Julian West Virginia. The park is home of the Waterway, a swimming and water slide facility. BCPR enlisted the help of Triad Engineering to expand the facility and to provide other recreational opportunities for the community. The only available land for the expansion was in the Little Coal River flood plain. The development of this area required a flood study. Triad studied the flood prone area and determined that the development would not affect the flood plain or any downstream communities. Mr. Young worked with BCPR to incorporate their vision for the park and develop a program, construction documents and the permits needed for the construction of a football field, soccer field, baseball field, parking areas, restroom facilities, trailhead, and a 300 seat amphitheater.

King's Daughters Medical Center Vision Master Plan, Ashland, KY

Triad Engineering, Inc. teamed with the KDMC's Architects / Consultants Inc. to provide a comprehensive plan for the future development of King's Daughters Medical Center 50+ acre Ashland KY campus. Mr. Young served as project Landscape Architect and helped guide the team with the realignment of roads and the placement of several new facilities. The plan also includes the development of a green space system that allows patients, visitors and employees to walk from building to building with minimal vehicular conflicts. The green space will also tie to the Ashland Park Historic district which is the center piece of the community.

Sue Morris Sports Complex, Glenville, WV

Mr. Young worked with the owner and contractor to plan and design this sports field project that included a NCAA regulation baseball field for the use of Glenville State University, as well as Gilmore County High School. The project also included two regulation Little League baseball fields, a building that houses a concession, restroom, box seating, and a meeting room.

Volunteer Ballpark on Memorial Boulevard, Huntington, WV

Mr. Young worked with a nonprofit organization to develop graphic plans and construction documents for this Little League Baseball park in Huntington West Virginia. The youth sports complex was developed on an old Owens-Corning refuse landfill on the west side on historic Ritter Park. The project consists of 2 fields with bleachers and scorer's booth, concession/ restroom facility, a ceremonial plaza and a promenade.

Wolf Point Park, Ashland, KY

Mr. Young worked with a developer to develop a master plan for a 65 acre site near Ashland Kentucky. The project will be the future site of an instructional baseball and sports academy for the local community. The park will have a 40,000 square foot multi-purpose indoor facility that will be able to be used for baseball, soccer, gymnastics and weight training. There will also be 4 Little League fields with a central concession / restroom and scorers area and 4 Babe Ruth fields with a central concession / restroom and scorers area. All fields will be lit to maximize the play and instructional time. The park will also have a walking/fitness trail and parking for 600 cars.

Bridge Road Master Plan, Charleston WV

Triad Engineering, Inc. was selected by the South Hills Neighborhood Association to prepare a Master Plan for the South Hills Business District. Mr. Young worked with the Association to develop a framework and

guidance for the future development and enhancements in the Bridge Road Business District. The main goals were to increase pedestrian circulation and safety, increase parking and improve overall aesthetics and beautification of the area. Design Highlights include: Gateways into the district, increase parking opportunities, ADA compliance upgrades, new site amenities and lighting improvements, crosswalks as well as landscape design pallet to be used throughout the business district

Powderidge Condominium Improvements, Snowshoe, WV

Mr. Young worked with a team of design professionals and Powderidge Home Owners Association to prepare design documents and plans for site improvements. The improvements included updated the signage, parking reconfiguration, entries into the buildings, ski slope access, slope side site amenities, snow management, and its impact the design elements on the landscape and the surrounding environment.

The Forbes Center, Master Plan, Charleston, WV

Mr. Young designed landscape and hardscape plans for a new executive office complex located in the NorthGate Business Park in Charleston, WV. Design drawings include the development of an entrance auto court and perennial garden courtyard to be used for outdoor dining and gatherings. Project Manager, The Forbes Center.

St. Albans Streetscape, St. Albans, WV

Triad Engineering, Inc. was recently selected by the City of St. Albans to design the new gateway and streetscape improvements to the downtown area. Services included the preparation of a master plan, construction documents, and construction administration. The streetscape included parking improvements, landscape improvements, reduction of pedestrian and vehicular interaction, period lighting upgrades, concrete sidewalks with clay pavers, street furniture, and the creation of a gateway sequence into the downtown area.

Washington Street Improvements, Charleston, WV

Prepared concepts for addressing sidewalk, intersection, crosswalk, street pavements, furniture and landscaping linking two existing streetscape for The Charleston Renaissance Corporation.

Washington Street Streetscape Master Plan, Charleston, WV

Prepared a master plan for a 1-mile area of Charleston that connects the downtown district with the West Virginia State Capital Complex. The plan gave recommendations on site amenities such as benches, trash receptacles, lighting, bollards, sidewalk configurations and planting areas. Project Manager, Charleston Urban Renewal Authority

Ripley Streetscape Improvements, Ripley, WV

Prepared construction documents for a 1 block historic area of Ripley. The streetscape was designed to not detract from the history of Jackson County Court House on the south side of the block. The design used light fixtures that were similar in design as to those found on the Court House, clay brick pavers and site furniture that blended into the historic fabric of the area. Project Manager, The City of Ripley WV and Main Street Ripley.

Stonewall Jackson State Park, Roanoke, WV

Prepared plans and construction documents for 198 unit lakeside lodge and conference center with indoor and outdoor pool, outdoor dinning, snack bar, fire pits, and overlook deck. Other site improvements included placement of 10 water front cottages and campsites site improvements.

Washington Street East Streetscape Improvement Project, Charleston, WV

Prepared streetscape construction documents for a 3 block area of Charleston, WV. The streetscape included the installation of trees, concrete sidewalks with clay pavers, ornamental streetlights and miscellaneous street furniture. Project Manager, Charleston Urban Renewal Authority.

West Side Community Revitalization Plan, Charleston, WV

The development of pedestrian amenities throughout the west side of Charleston, WV, which included the development of gateways into the area, landscape treatments for beautification and screening, streetscape guidelines, roadway realignment and the development of green spaces. Project Manager, City of Charleston and West Side Neighborhood Association.

White Sulphur Springs Streetscape Improvement Project, White Sulphur Springs, WV

Prepared a master plan and streetscape construction documents for a 3 block area of downtown White Sulphur Springs WV. The streetscape included 60 degree angled parking, the installation of trees, concrete sidewalks with clay pavers, ornamental streetlights and miscellaneous street furniture. Project Manager, City of White Sulphur Springs.

Charleston Newspapers, Pedestrian Park, Charleston, WV

The development of a pedestrian park that could be utilized by employees as well as the general public. The park plan includes a low limestone seat wall that reflects the stone on the newspaper office building as well as the adjacent bridge. A fountain to mask the sound of the traffic with extensive landscape treatments. Project Manager, Charleston Newspapers.

Paul G. Duke Park, Troy, OH

Prepared design plans and contract documents for the development of \$1.5 million of improvements which included lighted softball and baseball fields; football / soccer fields; restroom/ concession buildings; picnic shelters; site utilities and landscape and irrigation treatments.

The Miller Addition, Englewood, OH

Master Plan to renovate a 135 acre sand and gravel quarry into a park facility which included fishing access areas, day-use areas, canoeing access, accessible walking and nature trails throughout the site. The renovation was needed to replace existing water related activities that were gradually being lost in the main reserve because of siltation. Project Landscape Architect, The Park District of Dayton and Montgomery County.

Englewood Reserve Master Plan, Englewood, OH

Prepared a master plan for an area, which includes 5000 acres surrounding the scenic, designated Stillwater River. The plan contained numerous key recommendations for the development of the reserve including development of policies on land stewardship; detailed schematic layout of vehicular, pedestrian, and bicycle access. Project Landscape Architect, The Park District of Dayton and Montgomery County.

Camp Kern YMCA Master Plan, Dayton, OH

Prepared a master plan for a 420 acre site located adjacent to the scenic Little Miami River. The planning issues to be resolved were vehicular and pedestrian traffic conflicts; poor relationships between existing natural environments and manmade facilities. Project Landscape Architect, YMCA of Metropolitan Dayton, Ohio

Chaminade- Julianne Catholic High School Master Plan, Dayton, OH

Master plan for an urban Catholic High school which included the development of student parking facility, proposed athletic facility building, multi-purpose fields, tennis courts, main arrival court, and the development of outdoor student spaces. Project Landscape Architect, Chaminade-Julienne Catholic High School.

Englewood Streetscape Development, Englewood, OH

Prepared a master plan and construction documents for a five block area of old downtown Englewood. Improvements included stone walls that replicate existing stone foundations, period style lighting from pedestrian to traffic signalization, clay pavers, ornamental fencing and a new pocket park. Project Landscape Architect, City of Englewood, Ohio.

River Corridor Street Closure, Streetscape, Dayton, OH

Complete site planning and construction documents for the redevelopment of existing parking facilities, and the closure of an dangerous, under-used city street in the warehouse district in Dayton, Ohio. Redevelopment plans included employee gathering spaces, pedestrian circulation, and the development of an formal entrance to the facility. Project Landscape Architect, Dayton Hydraulic Company, Dayton, Ohio.

University Oxbow, Ohio University, Athens, OH

Prepared concepts to improve the appearance of topographically depressed area known as the Oxbow. The project included the review of existing conditions with both University and the Hocking Conservancy District and documented both assets and liabilities related to the site. The concepts included water as the main feature and elaborate planting designs. Project Landscape Architect, Ohio University, Athens, Ohio.

Jefferson Community College, Master Plan, Louisville, KY

Development of concepts and a physical development plan for a suburban community college in Louisville, Kentucky. The plan included new buildings, plaza areas, new parking areas, education trails and recreation areas. Project Landscape Architect, University of Kentucky

Ohio University East Green, Landscape Development Plan, Athens, OH

Prepared a plan to identify existing problems and opportunities and develop a plan for the redevelopment for the East Green, a significant open space within the residential area of Ohio University's campus. The plan included the development of bicycle storage areas, recycling areas, location of low accent walls and benches and the development of a low maintenance landscape plan. Project Landscape Architect, Ohio University, Athens, Ohio.

Emro Corporation Headquarters, Springfield, OH

Prepared master plan and construction documents which included site layout for a 400 car parking lot, visitor parking and drop off areas, retention pond, employee trail system, entrance plaza design, and extensive landscape plans which included a 500-foot dry stream bed. Project Landscape Architect, Emro Corporation.

Residential Community, Master Plans, Southwest Ohio

Master plans involving layout of communities ranging from single-family executive, single family estate and multi-family developments. All the developments include site amenities such as open space park areas, pool and clubhouse facilities, retention/ detention lakes, and various entrance features. Project Landscape Architect, Southwest Ohio, Various Clients.

Steven A. Clark, PS

Survey Supervisor, Southwest Region

PROFESSIONAL EXPERIENCE

27 Years

HIGHLIGHTS OF EXPERIENCE

Mr. Clark is currently the Survey Supervisor for the St. Albans office of TRIAD. In this capacity, he is responsible for the supervision of the survey crews, overseeing the field work through drafting to the finished product delivered to the client, meeting with clients, and performing field work on large and complex projects. Mr. Clark is experienced in underground surveying, construction layout, boundary and road work surveying, photogrammetric and topographic surveying. He has supervised and/or performed survey work on various types of work including both underground and surface mine surveying for coal mine facilities, site surveys and construction layout for landfill facilities, site surveys and right of way plans for WVDOH highway projects, and site surveys and construction layout for site development projects. Mr. Clark has been involved in survey projects in several states including West Virginia, Florida, Virginia, and Ohio. In his supervisory capacity, he is responsible for schedules, project budgets, and the overall coordination of all survey projects. He works with all levels of engineering staff, the overall project team, and the project owner to produce a quality work product which satisfies all project requirements.

REGISTRATIONS, LICENSES & TRAINING

Licensed Professional Surveyor	WV, 2073
Licensed Professional Surveyor	KY, 4004
Certified Black-Hat Coal Miner	WV, 1985
Certified 40 Hr HAZWOPER (OSHA 29 CFR 1910.120)	OSHA, 2001

HIS PROJECT EXPERIENCE INCLUDES:

Cadastral/Boundary Retracement Surveys –

Mr. Clark was responsible for surveys for Beazer Site Boundary, Weirton, WV; Grundy Boundary Tracts- USACE Huntington District; Martin County KY Boundary Tracts- USACE Huntington District; Paint Creek Boundary- USACE Huntington District

Dam Monitoring and Instrumentation Surveys

Mr. Clark has experience with the precise surveys required for periodical checks for movement at a large number of the flood control projects and inland navigation structures inside the Huntington District of the USACE. These surveys have required precise measurements to be made by GPS, Robotic Total Stations and Digital Levels. This data for the following projects has been processed utilizing the least squares adjustment method and compared to previous observations to check for movement:

- 2008 Capt. Anthony Meldahl Locks and Dam-USACE Huntington
- 2008 Willow Island Locks and Dam-USACE Huntington District
- 2007 Dover Dam-USACE Huntington District
- 2009 Charles Mill Dam-USACE Huntington District
- 2009 North Branch of Kokosing Dam-USACE Huntington District
- 2009 Pleasant Hill Dam-USACE Huntington District
- 2009 Mohicanville Dam-USACE Huntington District
- 2009 Pavonia Levee-USACE Huntington District
- 2009 Charles Mill Lake Dikes 1 and 2-USACE Huntington District
- 2009 Mohicanville Dikes 1 and 2-USACE Huntington District
- 2009 Nashport Dike of Dillon Lake-USACE Huntington District
- 2009 Pleasant Valley Dike of Dillon Lake-USACE Huntington District
- 2009 Silica Sands Levee of Beech City Lake-USACE Huntington District-
- 2009 Deer Creek Dam-USACE Huntington District
- 2009 London Locks and Dam- USACE Huntington District
- 2009 Winfield Locks and Dam- USACE Huntington District
- 2009 Racine Locks and Dam- USACE Huntington District
- 2009 Pleasant Hill Dam-Auxiliary Fuse Plug Dike- USACE Huntington District
- 2010 Bluestone Cross Sections- USACE Huntington District

Airport Facilities, Various Airports throughout West Virginia

In both the supervisory and surveying role on these projects, Mr. Clark is responsible for the generation of site surveys and property boundary surveys to be used in the planning and design of airport facility expansion and upgrade. These surveys include locating all physical and topographic features, utility locations, storm drainage features, and property boundary lines. He works directly with our Senior Airport Engineer to obtain all necessary survey information required to generate a thorough and accurate existing conditions map. Steve has also supervised and performed construction layout on these projects that require extreme accuracy to meet the needs of the local airport operator and the Federal Aviation Association. Notable airport projects include:

Summersville Airport - Summersville, WV,
Wood County Airport - Parkersburg, WV,
Tri-State Airport - Wayne County, WV
Yeager Airport - Charleston, WV.

WVDOT Highway Projects, Various Highway Engineering Consultants

Mr. Clark's expertise includes several WVDOT projects for various highway consulting engineering firms. He is responsible for the generation of site surveys and property boundary surveys to be used in highway planning and design. These surveys include locating all physical and topographic features, utility locations, storm drainage features, and property boundary lines. He is also responsible for supervising and coordinating other necessary work to perform these surveys including courthouse research and interaction with all existing property owners to complete property questionnaires for right of way acquisition. He has also supervised and performed construction layout on highway projects including bridge and structure layout. Some

notable highway design projects include: Corridor D - Parkersburg, WV, I-64 Widening - Kanawha County, WV, Veterans Bridge - Clarksburg, WV, and Route 10 Upgrade - Logan County, WV, King Coal Highway - Mercer County, West Virginia. Notable construction layout projects include: Holden Bridge - Logan County, WV, Chelyan Bridge - Kanawha County, WV, Tug River Bridges - Mingo County, WV, Bruno Bridge - Logan County, WV, Robinson Creek Bridge - Boone County, WV, and various small bridge and highway construction projects throughout West Virginia.

Retail Development, Construction Surveying

Mr. Clark's experience as a construction layout surveyor includes multiple site design and construction layout projects. Notable projects include the construction layout of the Nitro Market Place retail Center in Nitro, WV, Southridge Retail Center, Charleston, WV, Devonshire Luxury Housing Site, Putman County WV, Ripley Hudson Housing Development, Jackson County, WV; Donnel Kinnard Memorial Cemetery, Dunbar WV; numerous retail restaurants, including Arby's, Burger King, Wendy's, O'Charley's. Retail stores include Walgreen's, Rite Aid, Wal-Mart, Lowes. Work on these projects included establishing horizontal and vertical control, staking out the buildings as per the instruction of the Project Superintendent, laying out drainage, sewage, paving and curbing with grades.

Abandoned Mine Lands, Statewide Contract, WV

In his role as Chief Surveyor, Mr. Clark is responsible for generating site survey data including all physical and topographic features for various Abandoned Mine Land (AML) projects throughout West Virginia. Various types of AML projects include landslide correction include retaining wall design and site grading and drainage improvements, acid mine drainage collection and neutralization, water line upgrade and extensions, and various projects requiring site regrading and drainage upgrade. Work on these projects also included establishing horizontal and vertical control surveys for aerial photogrammetry mapping, baseline layout, referencing control points, generating check cross sections and site surveys including all physical and topographic features of each unique site.

Chemical Plant Facilities, Various Facilities throughout West Virginia

Mr. Clark's experience in the chemical plant environment includes construction layout surveying, topographic mapping surveys, quantity surveys, and boundary surveying. Notable chemical companies include Dow Chemical Company, South Charleston, WV, Bayer Crop Science, institute, West Virginia.

Coal Mine Facilities, Various Facilities throughout West Virginia

Mr. Clark's experience on coal mine facilities consists of underground and surface mine surveying. Underground surveying consists of surveying mine projections for the production of coal, and keeping mine entry horizontal and vertical datum current. Surface mine surveying consists of surveying the coal pits for quantity and mapping purposes, mapping of the overburden monthly for coal production ratios, and assorted construction layout, topographic and GPS surveys. Mr. Clark's experience also entails the preparation of yearly state and federal mine maps for underground and surface mines, slurry impoundment dams, monthly quantity surveys of the clean coal stockpiles, and assisting in the mine permitting process. Notable mining companies include Mingo Logan Coal Company- Logan County, and Ashford Coal Company- Boone County.

Lloyd A. Kirk, PS

Survey Supervisor, Southwest Region

PROFESSIONAL EXPERIENCE

25 Years

HIGHLIGHTS OF EXPERIENCE

Mr. Kirk is currently the Survey Supervisor for the St. Albans office of TRIAD. In this capacity, he is responsible for the supervision of the survey crews, overseeing the field work through drafting to the finished product delivered to the client, meeting with clients, and performing field work on large and complex projects. Mr. Kirk is experienced in, construction layout, boundary and road work surveying, photogrammetric and topographic surveying. He has supervised and/or performed survey work on various types of work including surface mine surveying for coal mine facilities, site surveys and construction layout for landfill facilities, site surveys and right of way plans for WVDOH and NCDOT highway projects, and site surveys and construction layout for site development projects. Mr. Kirk has been involved in survey projects in several states including West Virginia, South Carolina and North Carolina.

In his supervisory capacity, he is responsible for schedules, project budgets, and the overall coordination of all survey projects. He works with all levels of engineering staff, the overall project team, and the project owner to produce a quality work product which satisfies all project requirements.

REGISTRATIONS, LICENSES & TRAINING

Licensed Professional Surveyor

WV, 2247

Licensed Professional Surveyor

NC, L-3941

FEMA Certified Flood Plain Surveyor

NC-139

HIS PROJECT EXPERIENCE INCLUDES:

City of Raleigh-Raleigh, North Carolina

Buffaloe Road Sanitary Sewer Collector Easement Acquisition Survey

As Surveyor-of-Record, provided direct supervision of various field crews and conducted field surveys for right-of-way acquisition, topographic location, and wetlands delineation surveys for an approximately 6000 LF sanitary sewer line. Project consisted of field work necessary to compile and prepare recordable plats of survey for easement acquisition by the City of Raleigh. Topographic mapping for design purposes, and the preparation of Wetlands Delineation Maps to secure 404(c) permits through the US Army Corps of Engineers (Wilmington District).

North Carolina Department of Transportation-Warren County, North Carolina

State Route 1608 – Will Cheek Road

State Route 1620 – Sherriff Davis Road

As Surveyor-of-Record / Data Analyst contracted to NCDOT, provided direct supervision of various field crews and conducted field surveys for right-of-way acquisition and topographic location surveys for roadway improvements. Project consisted of field surveys conducted per Federal Highway Administration High Risk Rural Roads specifications for approximately 3.5 miles of local rural roads in Warren County NC including deliverable plan sets prepared per NCDOT/NC MAPS specifications. Final field work consisted of setting Right-of-Way monumentation and staking of best-fit centerline of road alignment.

North Carolina Army National Guard-Morrisville, North Carolina

Professional Services 2005 / Construction Completed

Surveyor of Record / Field Supervisor providing construction staking and layout of Crash, Fire and Rescue (CFR) Facilities Building supporting the 1st of 130th Aviation Battalion (AH-64 Apache Helicopter unit) based at Raleigh Durham International Airport. Operations were conducted in close coordination with Federal Aviation Administration and NC National Guard personnel to provide layout services for the construction of an approximately \$1.3 million facility.

Triangle Transit Authority (TTA)-Raleigh, Durham, Chapel Hill Triangle Area of North Carolina

Regional Transit Plan – Phase I Regional Rail – Durham to North Raleigh

As Surveyor-of-Record / Data Analyst, provided direct supervision of various field crews and CAD technicians for Subsurface Utilities Engineering location surveys and gravity utilities mapping for a 40 mile railway corridor in support of design efforts for a regional rail service route. Field work and deliverables preparation were conducted in accordance with Federal Railway Administration, CSX Railroad, NC Railroad, and North Carolina Department of Transportation Rail Division specifications and guidelines. Being a controversial project, construction is still pending with a capital cost estimate of \$754 million.

Raleigh-Durham Airport Authority (RDUAA)-Morrisville, North Carolina

Professional Services 2000-2003 / Construction completed & ongoing

Surveyor-of-record for long-term on-call contract to provide professional services to the Raleigh Durham Airport Authority providing, boundary surveys, topographic location, as-built surveys, subsurface utilities location, construction verification and construction layout for various on-site improvement and expansion projects. Provided coordinative support/project management for various design and engineering firms for the development of the RDU Airport Authority's Master Plan for future development and improvement of RDU International Airport. As one of the few non-employees to ever be granted limited movement privileges at RDU, coordinated airside survey operations (night-time and day-time conditions) with Ground Traffic Controller and FAA personnel on-site.

GSD146409

Surplus Property Design Services



McKINLEY & ASSOCIATES
ARCHITECTS • ENGINEERS • INTERIOR DESIGN

TRIAD
TRIAD ENGINEERING, INC.

PROJECT ORGANIZATION

McKinley & Associates has prepared a brief response to each of the evaluative criteria listed in the request for proposal's Project Organization section. Much of the information is contained on other pages within this "Project Organization" tab, to which we refer for your convenience in locating the supporting documents.

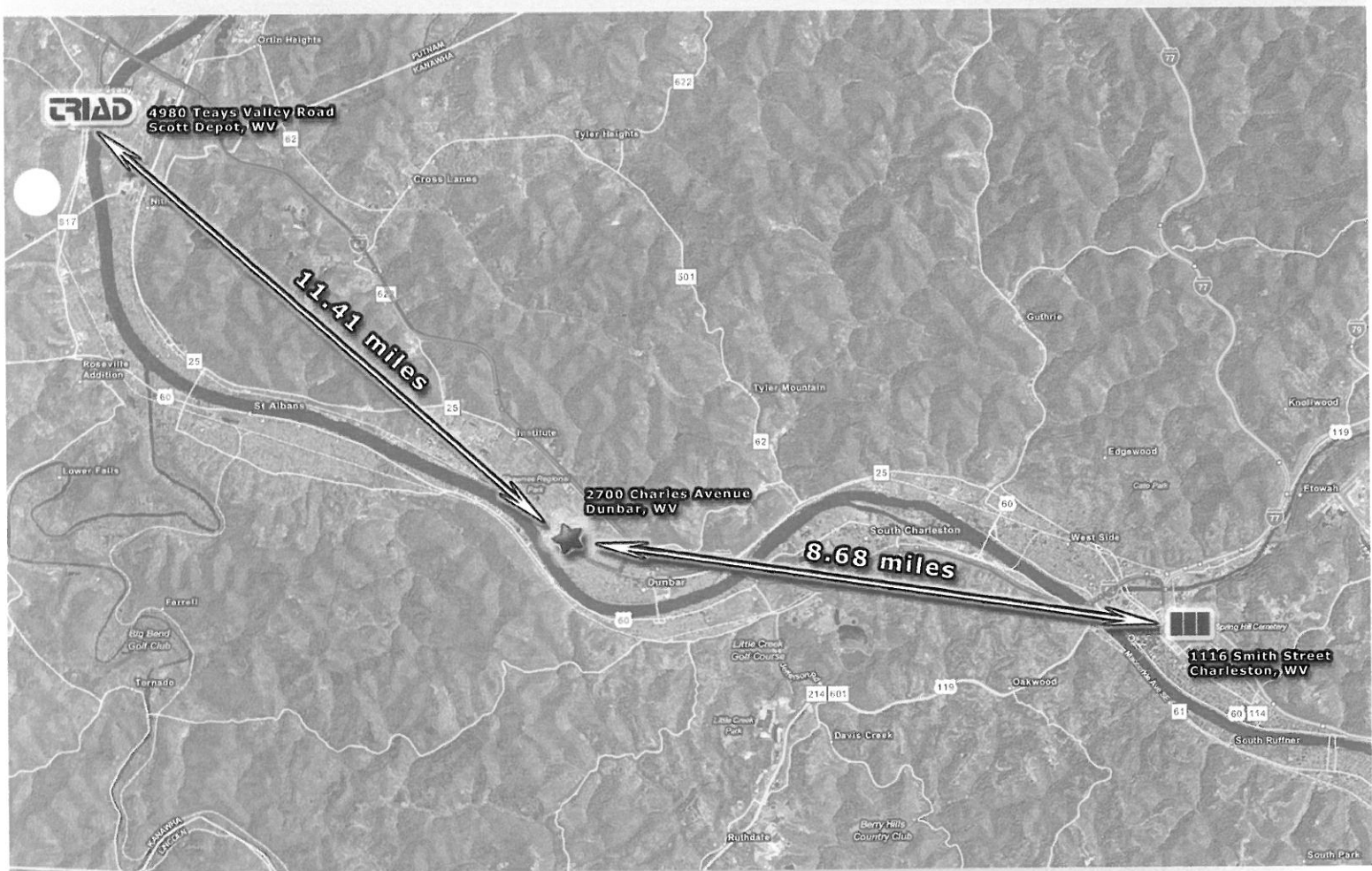
- Provide information on the personnel who will manage and persons proposed to be assigned to the project. Provide locations of firm's offices and indicate from where the project will be managed and the work performed. Provide a project organizational chart including key personnel and the proposed organization of the project team.

Please see the "Firm / Team Qualifications" tab to see the personnel assigned to this project, along with the project organizational chart/proposed project team (the "Design Team" page). The locations of our office where the project will be managed and the work performed is:

McKinley & Associates
1116 Smith Street
Charleston, WV 25301

McKinley & Associates
32 Twentieth Street
Wheeling, WV 26003

Triad Engineering
4980 Teays Valley Road
Scott Depot, WV 25560



PROJECT ORGANIZATION

○ ***Provide a statement or evidence of the firm or team's ability to provide services.***

First and foremost we can state that our firms' large professional staffs will devote whatever time is necessary to provide you with a successful project. We know we have the ability to provide you with the services to make this project a success.

McKinley & Associates has experience with various technology parks, warehouses, office facilities, multi-facility complexes, and much more. We have enjoyed success in the Tri-State region and the mid-Atlantic states because of our unique understanding of the region's architecture. The buildings complement their surroundings and work to create an unparalleled atmosphere for the clients.

From the onset of a project, the staff forms a unique working relationship with the client. We view the interaction with our clients as an equal partnership. We listen to what the clients want, detail their ideas on paper, and create them in the field. The clients value our wide range of in-house expertise. Over the past 32 years, we have had experience with hundreds of projects in both renovations and new construction.

For Triad Engineering; the facilities and equipment available to support their staff have grown substantially during the past 38 years. They have developed a fleet of drill rigs and support vehicles to meet the needs of their field operations. Well-equipped material testing laboratories are maintained to provide support for their geotechnical engineering and construction-related projects. They maintain secure computer networks to support CADD functions, hydrogeologic evaluations, water balance modeling, roadway design, storm water management and surface water drainage design, stability analyses, risk assessment, survey data reduction, and mapping. These broad in-house capabilities give them better control over project schedule, quality and cost, thereby minimizing problems that can occur during the various contract phases.

For evidence of our prior work; detailed project examples from both firms are seen within the "Experience in Similar Projects" tab.

CORPORATE INFORMATION

Firm History

Founded in 1981, McKinley & Associates is a multi-discipline full service Architectural & Engineering firm, offering comprehensive professional services in Architecture, MEP Engineering, Commissioning, LEED (Green) Design, Interior Design and Construction Administration. We have a broad range of skill and experience for projects involving historic preservation, governmental, educational, medical, commercial, and more. McKinley & Associates recently became a **100% ESOP Company (Employee Stock Ownership Plan)**, which is a benefit plan that gives our employees stock ownership in 100% of our company. This is a **contribution to the employee**, not an employee purchase.



McKinley & Associates' Charleston, WV Office



McKinley & Associates' Washington, PA Office

Firm Information

Ernest Dellatorre
President

Tim Mizer, PE, RA, QCxP
Director of Operations

Gregg Dorfner, AIA, REFP
Director of Architecture

Date of Incorporation

1981 Wheeling, West Virginia

Number of Professionals

Total Size	35
Architects	8
Engineers	3
Construction Admins	4
Arch./Eng. Designers	10
Interior Designers	1
Quality Controllers	2
REFPs	2
LEED APs / LEED AP BD+Cs	3
Commissioning Agents	1
MIS	1

Location

Headquarters

The Maxwell Centre
Thirty-Two - Twentieth Street
Suite 100
Wheeling, West Virginia 26003
P: 304-233-0140
F: 304-233-4613

Satellite Offices

Charleston Enterprise Center
1116 Smith Street
Suite 406
Charleston, West Virginia 25301
P: 304-340-4267
F: 304-340-4269

Washington Trust Building
6 S. Main Street
Suite 1028
Washington, Pennsylvania 15301
P: 724-223-8250
F: 724-223-8252

Credentials

McKinley & Associates is a member of the following organizations:
CEFP, AWI, WVEDC, AIA, NFPA, NCARB, ASCE, ASPE, BOCA, ASHRAE, ACI International

McKinley & Associates' Wheeling, WV Office



McKINLEY & ASSOCIATES
ARCHITECTS • ENGINEERS • INTERIOR DESIGN

GSD146409

Surplus Property Design Services



McKINLEY & ASSOCIATES
ARCHITECTS • ENGINEERS • INTERIOR DESIGN

TRIAD
TRIAD ENGINEERING, INC.

Project Name

Millennium Centre Technology Park

Project Location

Triadelphia, West Virginia

Project Size

Various sizes and costs (*please see Description below*)

Name of Project Owner

Mr. Craig O'Leary
Ohio Valley Industrial & Business Development Corporation
P. O. Box 1029
Wheeling, WV 26003
304/232-7722

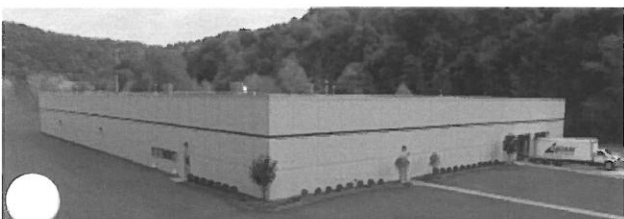
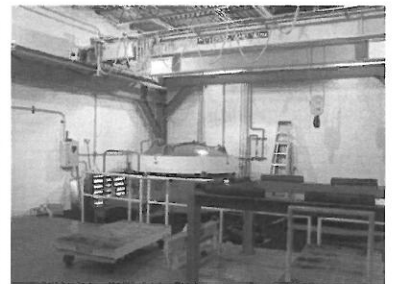
Date of project completion

Multiple Years

Project Description, Services Provided, & Additional Info

McKinley & Associates is proud to have participated in creating these state of the art facilities. The Millennium Centre is **20-acre technology park** located along Interstate 70. 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. The magazine Advanced Materials & Processes has called Touchstone, "One of the best equipped labs of its size in the country." **There are various buildings on the site, which include multiple phases and expansions.** For example, Phase II was a 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.**

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.



McKINLEY & ASSOCIATES
ARCHITECTS • ENGINEERS • INTERIOR DESIGN

Project Name

Wheeling Island Hotel • Casino • Racetrack

Project Location

Wheeling, West Virginia

Project Size

Various sizes and costs *(please see Description below)*

Name of Project Owner

Jeff Sellers

Director of Construction

Delaware North Companies, Inc.

40 Fountain Plaza

Buffalo, NY 14201

716/858-5518

Greg Salomon

Director of Services & Facilities

Wheeling Island Hotel • Casino • Racetrack

1 South Stone St.

Wheeling, WV 26003

304/231-1788 or 304/215-2770

Date of project completion

Multiple Years *(many projects completed, under construction, and/or in design)*

Project Description, Services Provided, & Additional Info

Wheeling Island Hotel • Casino • Racetrack is a prime example of exciting entertainment with class, various events including dog racing, live performances and excellent accommodations. McKinley & Associates is proud to have participated in creating this state of the art gaming facility and hotel. Our involvement in these various projects have included architecture, engineering, interior design and construction administration.



Our various projects in this multi-facility complex have included ADA Compliance projects, Auger Piles, Boiler Relocation, Clubhouse Addition, Clubhouse Sprinkler Design, Electrical Power Upgrades, Entertainment Center, Exposition Hall Structural Analysis, Fairgrounds Remodeling and Renovations, Gaming And Entertainment Facility, Grandstand, HVAC, Island Room Lighting, Kennels, Kennels Site Studies, Kennels Sprint Track, Main Floor Table Gaming, Money Room Design, Money Room Renovations, New Paddock & Ginny Pit, Original Racetrack & Casino Expansion, Paddock - Entrance/Service Building, Phase II Site Presence, Parking Lot, Riverboat Study, Serving Line Restoration, Showroom Structural Evaluation, Simulcast - Electrical Evaluation, Site Development & Lighting, Starbucks, State Lottery Gaming & Office Design, Structural Analysis for Boilers, Track Lighting Redesign, UPS Capacity Study, Video Lottery Expansion II, Various Structural Elements, Wall Repairs, and more.

For one of our most recent projects, the Delaware North Companies requested an ADA Compliant Elevator to be added in their Wheeling Island Hotel • Casino • Racetrack. This involved full design and build services to provide a new elevator to connect the greyhound racetrack, its entry, and shared corridor with the main gaming floor. Other objectives for the design required a tie-in to the existing fire alarm, sprinklering, and a compressed schedule. This project was recently completed in June of 2013.



Project Name
Cabela's Eastern Distribution Center

Project Location
Triadelphia, West Virginia

Project Size
1,200,000 SF
\$40 million

Name of Project Owner
Mr. Rick Boccetti
Cabela's
1 Cabela's Drive
Sidney, Nebraska 69160
860/290-6251

Date of project completion
Multiple Years



Project Description, Services Provided, & Additional Info

The \$40 million Cabela's Eastern Distribution Center is a **commercial warehouse** that was built in 2 fast-tracked phases, of 600,000 SF each, 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 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. McKinley & Associates 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.



Project Name

West Virginia State Office Building

Project Location

Logan, West Virginia

Project Size

53,200 SF

\$11 million

Name of Project Owner

Mr. Robert P. Krause, PE, AIA

State of West Virginia

General Services Division

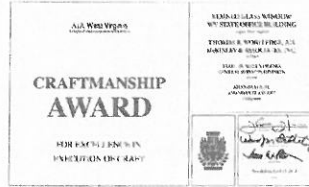
1900 Kanawha Boulevard East

Charleston, WV 25305

304/558-9018

Date of project completion

The Dedication Ceremony was on Friday, August 16, 2013



Project Description, Services Provided, & Additional Info

This new 5 story State Office Building is intended to **consolidate office space of state agencies currently located in Logan, West Virginia as well as provide moderate space for future customers.** This building will be part of a new generation of State office buildings that will provide **flexibility** for future growth and/or office renovations and be cost effectively adaptable when relocating other agencies into the space. Six state government offices are under one roof offering one-stop service with **free parking** in the heart of downtown Logan. The agencies include the Department of Health and Human Resources, WorkForce West Virginia, Division of Rehabilitation Services, the Offices of the Insurance Commissioner, State Tax Department and Workforce Investment Board. A total of 127 state employees are now working at this location. The State of West Virginia has chosen to try and achieve a silver Leadership in Energy and Environment Design (LEED NC 2.2) rating as awarded by the US Green Building Council (USGBC). The Commissioning Agent is Iams Consulting, LLC. **The project had tight urban site constrictions; we addressed utilities, drainage, paving, parking, and more.** The **streetscape design** along the north and south faces of the building are to act as a template for all future sidewalk development. Major brick patterns intersect at a paver quilt star, a symbol of West Virginia heritage that is carried into the foyer of the building. The stained glass window in the main entry was custom designed to reflect the culture and history of the area; this won a 2013 AIA Craftsmanship Award. The project is nearing completion.



Project Name

West Virginia Department of Health & Human Resources Office Building Renovation

Project Location

Wheeling, West Virginia

Project Size

56,783 SF

\$2 Million

Name of Project Owner

State Representative:

Mr. David J. Hildreth

WV Department of Administration

Real Estate Division

1409 Greenbrier Street

Charleston, WV 25311

304/558-1295

Developer:

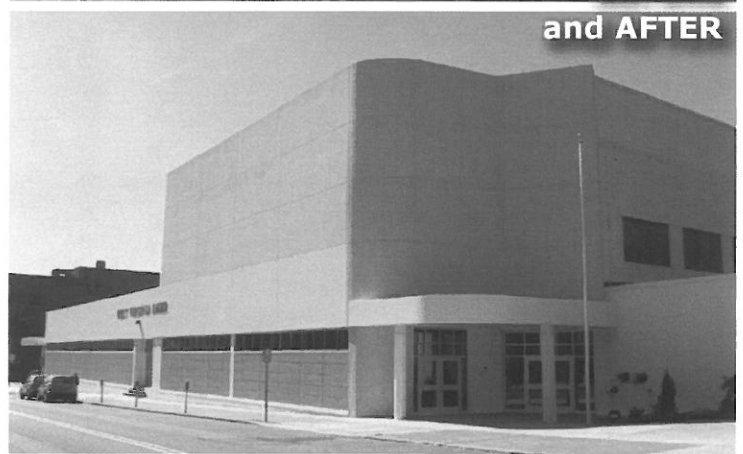
Mr. Michael D. Ferns, Sr.

Michael D. Ferns, Inc.

100 Marshall Street

Benwood, WV 26303

304/280-4048



Date of project completion

2013

Project Description, Services Provided, & Additional Info

We were asked by our client to adaptively reuse / renovate a car showroom and service area into an office space for the Department of Health and Human Resources (DHHR). The building was concrete and designed for cars; not people. The first challenge was to remove a large ramp that connected two floors of the building and level the concrete floors. We worked with our client to fit the DHHR's program into the space and maximize the use of the space. We had to work around the existing structural walls and columns and provide fire escapes at the different floor levels of the floor structure.

The project was built in three phases: the exterior was completed first, then the interior, and then the parking lot so the project could be fast tracked to meet the Owner's move-in requirements. We worked with the local and state code officials to bring the building into compliance with the current building and fire codes and provide access to all of the occupied areas of the building. We worked with the owner of the building to allow a separate entrance for future tenants of the upper two floors and to keep the renovation cost to a minimum while providing a state of the art facility for the DHHR's use.

The showroom windows were mostly in filled because of the sensitive nature of the materials in the building but windows high on the wall provide natural daylight in the space. The building was divided into three distinct spaces: secure office space, Client space, and training areas. The Office space is secured from the client area by an access control system. The training space was designed to be stand alone for use by other State staff training. This project is nearing completion.



PROJECT NAME

Devonshire
Scott Depot, West Virginia

PROJECT DESCRIPTION

TRIAD provided full civil engineering services including site development design for this project. The project consisted of the construction and site development for a large luxury mixed used residential development located in Scott Depot, West Virginia. The development which encompasses approximately 110 acres will ultimately have 532 luxury apartments, 174 townhouses, 72 condominiums and 59 single family patio homes. The development also includes a 6,500 square feet clubhouse, resort style pool, playgrounds and sport courts. TRIAD worked with a project team consisting of the architect and developer, to create a complete, comprehensive set of construction drawings. Site features included concrete and asphalt paving, sidewalks, curb and gutter, site utility routing, drainage structures, and storm water management features.

As with most site development projects, this project involved optimizing the use of available property and terrain to accommodate the housing facilities and associated parking and access drives.

Services provided by Triad consisted of, field surveying to generate a map of existing site and topographic features, geotechnical investigations to determine subsurface conditions to facilitate design of the building foundations and associated site work, design of all site grading and drainage features and storm water management features, and preparation of West Virginia Division of Highways (WVDOH) encroachment permit and West Virginia DEP construction storm water permits. The permitting phase of the project also included close coordination with the Putnam County, West Virginia Planning Commission to obtain building permits and certificates of occupancy. Triad also performed construction administration services on this project including full time inspection, construction documentation, pay estimate review, and Owner / Contractor coordination.

CLIENT

Cathcart Properties, Inc.
1244 Swan Lake Drive
Charlottesville, Virginia 22902

CLIENT CONTACT

Mr Todd Dofflemyer
(434) 296-4168

RELATED PRIOR EXPERIENCE

**Marshall University Foundation Center
519 John Marshall Drive.
Huntington, West Virginia**

Project Description:

The project consisted of site civil, surveying, geotech, drilling, and QC testing for the design and construction of a large stand alone structure on a site previously occupied by homes and parking lots. Our client was the construction contractor. One of the unique features of the project was the use of geopiers instead of deep foundations. Subcontractors were used for the construction of the asphalt pavement and foundations.



Documents generated included site plans, field daily reports, lab results, inspection reports, and test results. Design services provided by TRIAD consisted of engineering consultation, generation of site plans and specifications, drainage calculations and design, highway design, surveying, the preparation of permit applications. Field services included testing and inspection of subgrade, concrete, asphalt, and grout as well as tests for floor flatness and geopier installation.

Project Completion Date:

May 2010

Project Cost:

Fee: \$31,500

Project Contact:

Travis Arey, Neighborgall Construction Co.
1216 Seventh Avenue
Huntington, West Virginia 25701
(304) 525 5181

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PROJECT NAME

Commerce Park
Huntington, West Virginia

PROJECT DESCRIPTION

The project consisted of the development of an existing industrial site into a multi-use site consisting of multi-family housing, flex space warehousing, and future retail. The existing site consisted of an approximate 12 acre industrial site which has had many uses since its initial development in 1926, ranging from glass product manufacturing to various other uses including heavy equipment manufacturing, metal fabrication, machine and welding shop, and various industrial truck repair and maintenance operations.

TRIAD initially conducted an extensive Site Characterization under the West Virginia Voluntary Program (WVVRP). The site was parceled to allow for the use of differing redevelopment land-use scenarios. Certificates of Completion (COCs) have been issued by the WVDEP, OER for all three parcels at the site.

TRIAD provided full civil engineering services including site development design during development for this project. The project consisted of the construction and site development for mixed residential and commercial use. The residential development consisted of a 6 acre site including 7 buildings with a total of 52 housing units. The commercial development consisted of an additional 6 acres for a flex space warehouse and future retail out parcels. TRIAD worked with a project team consisting of the architect and developer, to develop a complete comprehensive set of construction drawings. Site features included concrete and asphalt paving, sidewalks, curb and gutter, site utility routing and drainage structures.

Services provided by Triad consisted of a phase I environmental site assessment to determine past site usage regarding any environmental concerns, field surveying to generate a map of existing site and topographic features, a geotechnical investigation to determine subsurface conditions to facilitate design of the building foundations and associated site work, design of all site grading and drainage features, and preparation of West Virginia Division of Highways (WVDOT) encroachment permit and West Virginia DEP construction storm water permits.

CLIENT

Parkview LP.
#6 Fairway Drive
Huntington, West Virginia 25705

CLIENT CONTACT

Mr. Robert E. Childers
(304) 733-6913

RELATED PRIOR EXPERIENCE

PROJECT NAME

East Hills Development
Huntington, West Virginia

PROJECT DESCRIPTION

TRIAD provided full civil engineering services including site development design for this project. The project consisted of the construction and site development for mixed commercial use. The 12 acre site previously contained a shopping center. The project consisted of refurbishing the existing shopping center building for use as flex office space. The project also included constructing a 3 story office building and a bank. TRIAD worked with a project team consisting of the architect and developer, to develop a complete comprehensive set of construction drawings. Site features included concrete and asphalt paving, retaining walls, sidewalks, curb and gutter, site utility routing and drainage structures.

As with most site development projects, this project involved optimizing the use of available property to accommodate the structures and associated parking and access drives.

Services provided by Triad consisted of a phase I environmental site assessment to determine past site usage regarding any environmental concerns, field surveying to locate existing underground utilities and storm drainage system and to generate a map of existing site and topographic features, a geotechnical investigation to determine subsurface conditions to facilitate design of the building foundations and associated site work, design of all site grading and drainage features, and preparation of West Virginia Division of Highways (WVDOH) encroachment permit and West Virginia DEP construction storm water permits.

CLIENT

Structures Resources, Inc.
3135 16th Street Road
Huntington, West Virginia 25701

CLIENT CONTACT

Mr. Robert E. Childers
(304) 523-6515

RELATED PRIOR EXPERIENCE

West Hills Development Project Structures Resources, Inc. Huntington, West Virginia

Project Description:

The project consisted of the renovation of an existing department store to convert use of the building to a telemarketing call center. The entire project site encompasses 10.5 acres and required revisions to the existing parking lot layout as well as existing drainage features. The project also required that a turn lane be constructed on WV Route No. 522 to improve traffic flow in the area of the site.

This project was somewhat unique due to the fact that two 96 inch corrugated metal culverts (CMP) extended through the front part of the site. The culverts which were damaged and partially collapsed conveyed upstream drainage as well as drainage from the site. Full replacement of the pipes would have cost approximately \$500,000.00. TRIAD worked with the project developer and all necessary agencies to develop a plan to repair the pipes in place. This option reduced the cost by approximately \$300,000.00.

Services provided by TRIAD consisted of engineering consultation, generation of a master plan, preparation of project plans and specifications for submission to the City of Huntington, drainage calculations and design, highway design, surveying, asbestos inspection of the existing building, and the preparation of permit applications for several agencies including: the City of Huntington, the West Virginia Department of Environmental Protection, West Virginia Division of Highways, Public Lands Corporation, and the United States Army Corps of Engineers.

Project Completion Date:

May 2010

Project Cost:

Fee: \$53,000

Project Contact:

Robert Childers, Structures Resources, Inc.
5187 U.S. Route 60, Suite 13
Huntington, West Virginia 25705
(304) 302- 8020

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