PARADIGM ARCHITECTURE

CJL ENGINEERING

TRIAD ENGINEERING, INC.

Buckhannon Readiness Center, Phase II Addition

CEOI ADJ2000000009

PARADIGM ARCHITECTURE

29 April 2020

Ms. Tara L. Lyle
Department of Administration, Purchasing Division
2019 Washington Street East
Charleston, WV 25305-0130

Re: **Expression of Interest for the Buckhannon Readiness Center Phase II Addition**

Dear Ms. Lyle:

Paradigm Architecture Inc. is pleased to submit our proposal for Architectural/Engineering Services for the Buckhannon Readiness Center, Phase II Addition for the West Virginia Army National Guard. We have assembled a team of West Virginia-based professionals with appropriate project experience and ability to complete these projects.

We have successfully completed multiple government projects, at federal, state, and local levels. Examples include office buildings for the U. S. Department of Agriculture and the U. S. Department of Energy in Morgantown, WV, both of which are LEED Certified. In addition, our staff also completed the Charleston Federal Center and the Clarksburg Federal Center, both of which received Excellence on Construction Awards from the Associated Builders and Contractors while employed at other firms. We have many active projects and strong client relationships as demonstrated by our repeat business with the West Virginia Division of Natural Resources, West Virginia University in Morgantown, Mon Health Medical Center and West Virginia University Hospital, also in Morgantown. Paradigm's experience also encompasses a wide range of project types that include office buildings and educational facilities as showcased in our experience provided in the Team Qualifications Section of this Expression of Interest.

We have assembled a team of West Virginia-based professionals with appropriate project experience and ability to complete this project. We have included the services of CJL Engineering of Morgantown to provide Mechanical, Electrical, and Plumbing services. Triad Engineering will provide Site and Civil Engineering.

Paradigm Architecture is a service-oriented architectural design firm capable of taking a project from inception to completion through the phases of schematic design, design development, construction and contract documents, bidding/negotiation, construction administration, and closeout procedures. We are able to meet a client's needs and expectations while upholding the budget and project deadlines.

It is our goal to provide a high level of personal service and design solutions that reflect the unique image and purpose of our clients. We welcome the opportunity to work with you on this project!

Best regards,

Paul A. Walker, AIA, President

2223 Cheat Road | Suite 300
Morgantown, WV 26508
T 304.284.5015 | F 304.284.5014

2450 Valleydale Road | Suite 150
Birmingham, AL 35244
T 205.403.2742 | F 205.403.2743

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

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

Proc Folder: 713623

Doc Description: Addendum No. 1 - EOI - Buckhannon Phase II Addition

Proc Type: Central Purchase Order

Date Issued	Solicitation Closes	Solicitation No	Version
2020-04-22	2020-05-05 13:30:00	CEOI 0603 ADJ2000000009	2

BID RECEIVING LOCATION

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

VENDOR

Vendor Name, Address and Telephone Number:

Paradigm Architecture, Inc.
2223 Cheat Road, Suite 300
Morgantown, WV 26508

FOR INFORMATION CONTACT THE BUYER

Tara Lyle
(304) 558-2544
tara.l.lyle@wv.gov

Signature X [signature] **FEIN #** 63-1263568 **DATE** 4/29/20

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

ADDENDUM ACKNOWLEDGEMENT FORM
SOLICITATION NO.: CEOI ADJ2000000009

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

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

Addendum Numbers Received:
(Check the box next to each addendum received)

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

Paradigm Architecture, Inc.
Company

Authorized Signature

April 29, 2020
Date

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

DESIGNATED CONTACT: Vendor appoints the individual identified in this Section as the Contract Administrator and the initial point of contact for matters relating to this Contract.

President
(Name, Title)
Paul A. Walker, AIA, President
(Printed Name and Title)
Paradigm Architecture, Inc., 2223 Cheat Rd., Ste. 300, Morgantown, WV 26508
(Address)
304.284.5015 | 304.284.5014
(Phone Number) / (Fax Number)
pwalker@paradigm-arch.com
(email address)

CERTIFICATION AND SIGNATURE: By signing below, or submitting documentation through wvOASIS, I certify that I have reviewed this Solicitation in its entirety; that I understand the requirements, terms and conditions, and other information contained herein; that this bid, offer or proposal constitutes an offer to the State that cannot be unilaterally withdrawn; that the product or service proposed meets the mandatory requirements contained in the Solicitation for that product or service, unless otherwise stated herein; that the Vendor accepts the terms and conditions contained in the Solicitation, unless otherwise stated herein; that I am submitting this bid, offer or proposal for review and consideration; that I am authorized by the vendor to execute and submit this bid, offer, or proposal, or any documents related thereto on vendor's behalf; that I am authorized to bind the vendor in a contractual relationship; and that to the best of my knowledge, the vendor has properly registered with any State agency that may require registration.

Paradigm Architecture, Inc.
(Company)

Paul A. Walker, AIA, President
(Authorized Signature) (Representative Name, Title)

Paul A. Walker, AIA, President
(Printed Name and Title of Authorized Representative)

4/2920
(Date)

304.284.5015 | 304.284.5014
(Phone Number) (Fax Number)

STATE OF WEST VIRGINIA
Purchasing Division

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

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

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

DEFINITIONS:

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

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

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

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

WITNESS THE FOLLOWING SIGNATURE:

Vendor's Name: Paradigm Architecture, Inc.

Authorized Signature: _____ Date: 4/29/20

State of West Virginia

County of Monongalia , to-wit:

Taken, subscribed, and sworn to before me this 29th day of April 20 20

My Commission expires May 28 , 20 25.

AFFIX SEAL HERE

OFFICIAL SEAL
NOTARY PUBLIC
STATE OF WEST VIRGINIA
Sheryl J. Snider
Paradigm Architecture, Inc.
2223 Cheat Road, Suite 300
Morgantown, WV 26508
My Commission Expires May 28, 2025

NOTARY PUBLIC _____

TABLE OF CONTENTS

Two Waterfront Place

Firm History

Paradigm Architecture was formed in October of 2000 by a group of likeminded individuals who believe that architecture provides the opportunity to practice the career that we love. We as individuals and as team members of a firm have a responsibility to exhibit that passion in the manner in which we live our lives.

We chose the name Paradigm because it means a model that serves as an example.

This represents our highest ideals...

that our architecture would serve as an example

that our client service would serve as an example

that our service to our God would serve as an example.

Originally established in Birmingham, Alabama, Paradigm Architecture expanded in 2002 by opening an office in Morgantown, West Virginia. Our staff of ten includes five registered architects, three architectural technicians, and two administrative assistants.

It is our belief that we should assemble consultants that are uniquely skilled to satisfy the particular requirements of a project. We have close professional relationships with many engineers and specialized consultants and choose those that we feel will best serve the technical specialization, location of the work and sometimes even personality of the client. We choose not to work with firms who do not share our commitment to service and quality.

West Virginia University Mountaineer Station

Morgantown Area Chamber of Commerce
2019 – Small Business of the Year Award
Morgantown, WV

Mylan Park Foundation
2018 – George R. Farmer, Jr. Award
Morgantown, WV

Alabama Masonry Institute
2004 – Top Block Award
Russell Professional Office Building III
Alexander City, AL

Main Street Morgantown
2008 – Best New Construction Award
Marina Tower, Morgantown, WV
2008 – Best New Office Award
Spilman Thomas Battle, Morgantown, WV

Pittsburgh Corning Glass Block
2004 – Circle of Design Excellence Award
Lightning Strikes Family Fun Center
Trussville, AL

West Virginia American Institute of Architects
2010 – Honor Award
Upper Monongahela River Center
Morgantown, WV
2010 – Merit Award
West Virginia University
Transportation Center & Garage
Morgantown, WV

International Parking Institute Awards of Excellence
2011 – Honorable Mention
Mountaineer Station (WVU Transportation Center)
Morgantown, WV

Firm Profile

Paradigm by definition means an example that serves as pattern or model. The goal of Paradigm Architecture is to be an example in client service, design quality, and technical proficiency. We practice architecture. For every project, Paradigm works closely with the unique requirements of the particular client to design a structure that reflects both the appropriate image and proper function to optimize the working or living environment.

EXPERIENCE

Paradigm Architecture has experience in a broad range of project types. This work includes private individual, corporate, governmental, educational, and institutional clients.

Heathcare | Institutional

Medical and retirement life care projects dominate our staff's institutional portfolio. Medical projects include outpatient surgery centers, patient care rooms, emergency medicine, surgery suites, labor & delivery suites, Magnetic Resonance Imaging, X-ray diagnostic services, and heart catheterization spaces for hospital clients, radiation and chemotherapy treatment areas in cancer centers, and professional office space for private physicians. Retirement life care facilities range from independent elderly housing and assisted living facilities to full nursing care centers.

Educational

Higher Educational experience includes administrative office space, parking facilities, student housing, libraries, student centers, athletic facilities, classrooms, and research laboratory facilities. We have worked on campuses that include: West Virginia University, Fairmont State University, Davis and Elkins College, The College of West Virginia, Hampden Sydney College, Wake Forest University, Ayers State Technical College, The University of North Carolina at Greensboro, and The University of Alabama at Birmingham. Paradigm's staff has also been involved in educational facilities at the elementary and high school level including new and renovated buildings.

WVU Honors Dorm

Excellence in Construction by the Associated Builders & Contractors, Inc.

2014 - WVU College Park
Morgantown, WV
2010 – Morgantown Event Center
Morgantown, WV
2010 – GSA USDA Office Building
Morgantown, WV
2010 – WVU Transportation Center and Garage
2007 – Waterfront Marina
Morgantown, WV
2007 – Chestnut Ridge Church
Morgantown, WV
2004 – Madden Student Center
Davis & Elkins College
Elkins, WV
2004 – Two Waterfront Place Hotel & Conference Center
Morgantown, WV
2003 – The Jackson Kelly Building
Morgantown, WV
2001 – Russell Cancer Center
Alexander City, AL

Master Planning

Paradigm Architecture has successfully completed master planning for the Waterfront Development and Trinity Christian School in Morgantown, Avery Court in Parkersburg, and Glade Springs Resort in Daniels. In addition, we have performed master planning for Asian Plaza in Birmingham, AL, and have recently updated the master plan for Russell Medical Center in Alexander City, AL, as well as the West Virginia School of Osteopathic Medicine in Lewisburg, WV.

Corporate

Paradigm has designed entire office buildings as well as tenant fit-up spaces for clients such as Jackson Kelly PLLC, A.G. Edwards, Acordia, Petroplus & Associates Inc., National Biometric Security Project, Simpson & Osborne, DMJM Harris, and the West Virginia University Foundation. Projects also include banking regional and branch offices.

Governmental

Members of Paradigm have been involved in projects for the Federal Government in Charleston and Clarksburg, West Virginia. These commissions were awarded through design competitions and involved office space for Social Security, the Federal Bureau of Investigation, the Drug Enforcement Agency, the Small Business Administration, and hearing rooms for SSA Hearings and Appeals. Paradigm is also currently involved in several projects for the GSA in the Morgantown area.

Food Service

We have been privileged to design many food service facilites. These include private restaurants as well as large, full service commercial catering kitchens and banquet facilities. Examples include Two Waterfront Place Hotel and Conference Center, Morgantown Event Center, Regatta Bar and Grille, Boathouse Bistro, Sargasso Restaurant, Trussville Family Center, and Shono's Restaurant.

Hospitality/Multi-Family Housing

Our multi-family housing experience spans a variety of client types including student dormitories, hotel project, elderly housing, and private residential including single family homes, townhouses, and high end condominiums. West Virginia University Downtown Housing, the Condominiums at Two Waterfront Place in Morgantown, WV, as well as the Glade Springs Resort and Conference Center in Daniels, WV, are a few examples

CJL ENGINEERING

FIRM OVERVIEW

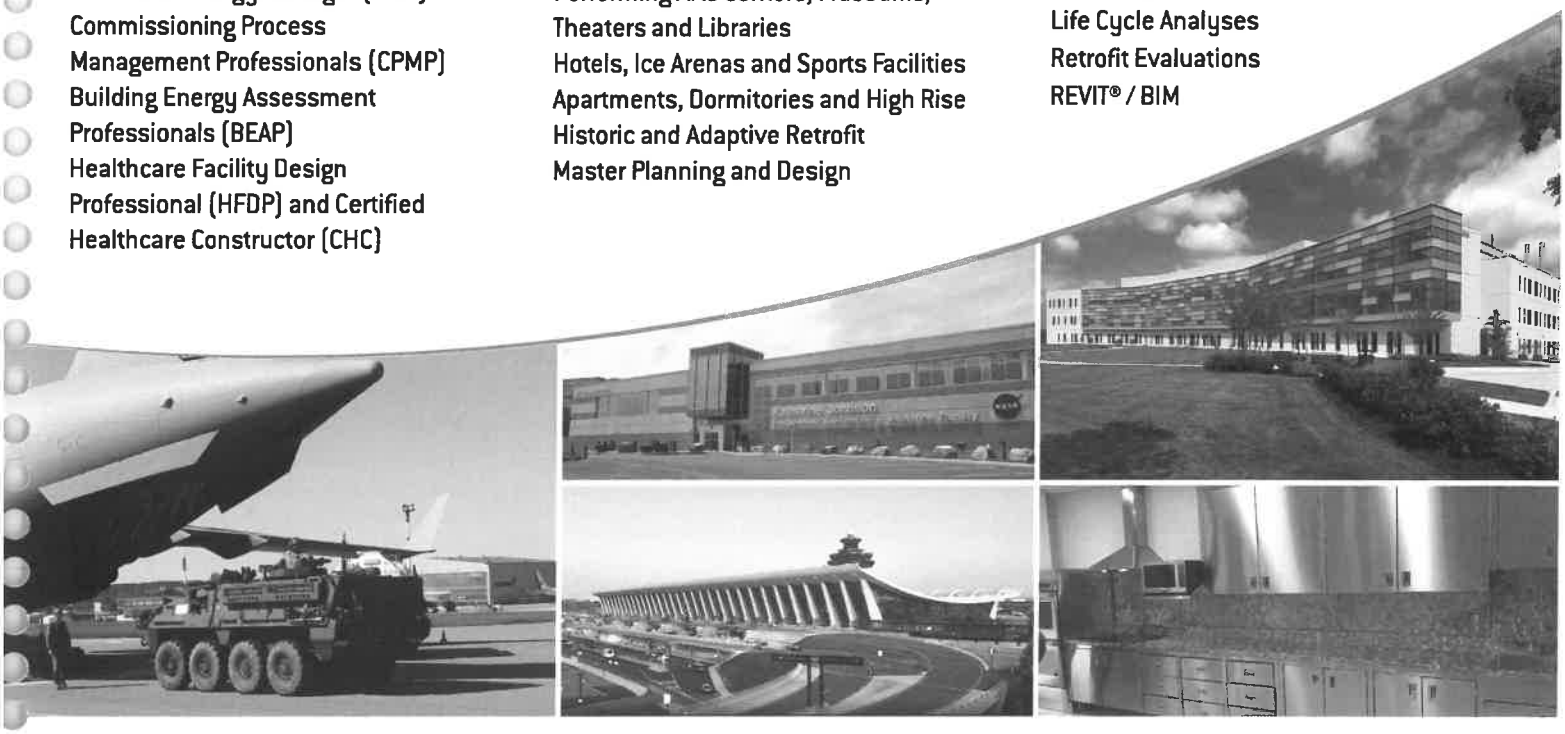
Established in 1938, CJL Engineering is a full service, mechanical, electrical, plumbing, fire protection, and civil/structural consulting engineering firm known for mastering the most challenging projects in the region. With offices in western Pennsylvania, eastern Ohio, northern West Virginia and Maryland, our super-regional focus has enabled us to become one of the preeminent MEP firms in the industry, proudly serving a wide range of specializations and clients.

Range of services:
Analysis and concept
Construction budgeting
Building information modeling (BIM)
Energy modeling
Detailed construction documents
Construction phase services
Building commissioning

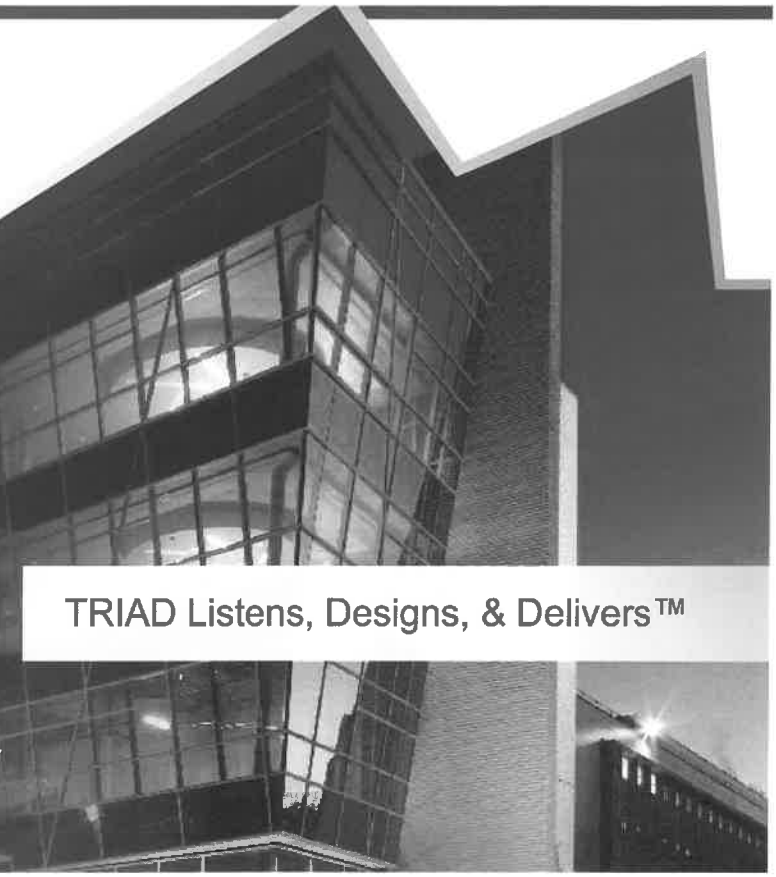
More than 160 personnel, including:
32 Professional Engineers
28 LEED® Accredited Professionals
A Certified Energy Manager (CEM)
Commissioning Process Management Professionals (CPMP)
Building Energy Assessment Professionals (BEAP)
Healthcare Facility Design Professional (HFDP) and Certified Healthcare Constructor (CHC)

A broad range of clients
Government and Secure Facilities
High Tech Buildings/Mission Critical
Data Centers
Central Plants, Energy Facilities and Utility Distribution Centers
Green Buildings, Science, Laboratory and Research Facilities
Healthcare - Hospitals, Urgent Care, Medical Centers and Labs
Education - Colleges, Universities, Trade Schools, K-12
Corporate, Commercial, Office Buildings
Industrial - Light and Heavy Manufacturing, Warehousing
Performing Arts Centers, Museums, Theaters and Libraries
Hotels, Ice Arenas and Sports Facilities
Apartments, Dormitories and High Rise
Historic and Adaptive Retrofit
Master Planning and Design

Specialization
HVAC Systems
Electrical Systems
Fire Detection and Protection
Plumbing Design
LEED® Green Building Design
Commissioning
Energy Modeling Solutions
Civil / Structural Engineering
Architectural Lighting and Controls
Telecommunications
Life Safety Systems
Voice/Data/Audiovisual
Security Systems
Power System/Quality Evaluations
Life Cycle Analyses
Retrofit Evaluations
REVIT® / BIM



TRIAD ENGINEERING, INC.



WHO WE ARE

Triad is a multi-discipline, employee-owned firm of engineers, surveyors and scientists who provide geotechnical and civil engineering, environmental services, drilling, surveying and construction testing and inspection services. Since 1975, Triad has grown from a small office in West Virginia to eight offices across five states. Triad can provide practical solutions to meet your project needs and exceed your expectations.

TRIAD Listens, Designs, & Delivers™

WHAT WE DO

GEOTECHNICAL ENGINEERING
Subsurface Explorations; Geological and Geophysical Surveys; Landslide Studies and Remediation; Dam and Impoundment Design; Foundation Design Recommendations; Soil Characterization and Stabilization; Sinkhole Remediation; Infiltration Studies

CIVIL ENGINEERING
Site Grading and Development Plans, Commercial/Industrial Site Developments, Landscape Design, Storm Water Best Management Practices, Hydrologic Studies, Green Sustainable Design, Retaining Wall Design, Utility Design, Land Use and Planning Consultation, Construction Specifications and Contract Documents, Construction Contract Administration

DRILLING AND SAMPLING
Geotechnical and Environmental Drilling and Sampling; Monitoring Well and Piezometer Installation; Rock Coring; Bridge Pier Borings; Air Track Probes

CONSTRUCTION MATERIALS ENGINEERING AND TESTING
Soils and Fills; Concrete; Asphalt and Aggregate; Footings; Pile Foundations; Floor Flatness; Structural Steel; Seismic Monitoring; Welds; Paint and Fireproofing; Roof; Compressive Strength; EFAS; NDT; Mortar and Grout; Laboratory Analysis of Soil and Rock; Special Inspections

ENVIRONMENTAL
Hydrogeological Studies; Fracture Trace Analysis; Groundwater and Soil Assessment; Site Remediation Design; Phase I/II ESAs; Brownfield Site Assessment; Asbestos, Mold and Lead-Based Paint Inspection; Wetland and Forest Management Services; Regulatory Compliance Assistance & Permitting

SURVEYING AND MAPPING
Topographic & Planimetric Mapping; Construction Layout; Subdivision Platting; ALTA / NSPS Surveys; Property Boundary Surveys; Aerial Photogrammetry; Drone Surveying

LOCATIONS

MARYLAND
Hagerstown
301-797-6400

OHIO
Portsmouth
740-249-4304

VIRGINIA
Winchester
540-667-9300

Sterling
703-729-3456

WEST VIRGINIA
Scott Depot
304-755-0721

Morgantown
304-296-2562

PENNSYLVANIA
Mechanicsburg
717-590-7429

New Stanton
412-257-1325

STAFF EXPERIENCE

TEAM ORGANIZATION CHART

PARADIGM ARCHITECTURE

Paul Walker, AIA
Principal-In-Charge

David H, Snider, AIA
Quality Control

Todd G. Christopher, AIA
Project Manager

TRIAD ENGINEERING, INC.

Willam Ernstes, PLA
Land Development Services Manager

John Haynes, P.E.
Drilling Services Manager

Benjamin Campbell, P.E.
Senior Engineer

CJL ENGINEERING

Matt Sotosky, P.E., LEED® AP
Partner-In-Charge

Adam Hale, P.E.
Project Manager / Mechanical Engineer

Rodney Wolfe, P.E.
Electrical Engineer

Jackie Krawczyk, E.I.T.
Fire Protection Design

Adam McKinley, E.I.T, CPD
Plumbing Design

PARADIGM ARCHITECTURE

Paul A. Walker, AIA
Principal-In-Charge | Design Architect

Contact Information
☎ 304.284.5015
pwalker@paradigm-arch.com

PROFESSIONAL SUMMARY

Paul has 37 years of experience as an architect and received his registration in 1986. He became a business owner in October 2000 when he created Paradigm Architecture. Paul's design responsibilities include programming, development of construction documents, project management, and construction administration. Among the variety of projects he has designed and supervised are medical, commercial, corporate, educational, governmental, industrial, institutional, recreational, religious, and residential. The scope of projects ranges from a few thousand dollars to over 70 million dollars. Paul also has extensive experience with commercial and corporate facilities as well as higher education facilities while working at other firms in WV, NC, and AL.

REPRESENTATIVE PROJECTS

U. S. Department of Energy Office of Legacy Management Records Storage Facility, Morgantown, WV

U. S. Department of Agriculture Office Building, Morgantown, WV

Pillar Innovations Office Building & Manufacturing Facility, Morgantown, WV

Beitzel Corporation Office Building, Grantsville, MD

West Virginia University – Parkersburg

New Science Wing Fit-Up & Lab Classrooms, Parkersburg, WV

WVU B&E Startup Engine and Accelerator Space, Morgantown, WV

Marina Tower & WVU Administrative Offices, Morgantown, WV

WVU Medicine Behavioral Medicine Buildout @Physician Office Center Level 6, Morgantown, WV

Morgantown Marriott at Waterfront Place Hotel Renovation, Morgantown, WV

West Virginia University Greenhouse & Labs Morgantown, WV

CVS Health Institutional Pharmacy, Morgantown, WV

City of Trussville Greenway Project, Phase II – Restroom Facility, Trussville, AL

Monongalia General Hospital - Multiple Renovations, Major Lab Renovation, Morgantown, WV

West Virginia University Parking Garage, Morgantown, WV

West Virginia University Life Sciences Aquatics Lab, Morgantown, WV

West Virginia University Oglebay Hall Forensic Facilities, Morgantown, WV

GSA – Federal Bureau of Investigation, Third Floor Renovations, Clarksburg, WV

U. S. Postal Service Projects Miscellaneous Renovations to the following Post Offices: Clarksburg, WV; Salem, WV; Weston, WV; Spencer, WV; Grafton, WV

WV DNR Canaan Valley Resort State Park Renovations/Additions, Davis, WV

WV DNR Cacapon Resort State Park Lodge Expansion, Berkeley Springs, WV

EDUCATION

Bachelor of Architecture
University of Tennessee
Knoxville, 1982

AFFILIATIONS

American Institute of Architects
NCARB #53858

REGISTRATIONS

West Virginia [redacted]
Alabama [redacted]
Florida [redacted]
Georgia [redacted]
Maryland [redacted]
North Carolina [redacted]
Pennsylvania [redacted]
South Carolina [redacted]
Tennessee [redacted]
Texas [redacted]
Virginia [redacted]

PARADIGM ARCHITECTURE

David H. Snider, AIA
Specifications | Quality Control

Contact Information
☎ 304.284.5015
dsnider@paradigm-arch.com

PROFESSIONAL SUMMARY

Mr. Snider graduated from Auburn University with a degree in architecture and practiced in North Carolina before returning to his hometown of Birmingham, Alabama. As one of the founding members he has spent the last 19 years of his 35-year career with Paradigm Architecture. His responsibilities with Paradigm Architecture have included project management, construction documents, contract administration, and writing specifications. Project experience includes renovations, hospitality, educational, healthcare, churches, libraries, schools, historic office buildings, airports, and commercial facilities. David has extensive experience with healthcare facilities throughout the duration of his entire career and currently manages the open-end contract with Russell Medical Center. These project types include cancer centers, medical office buildings, physical therapy, assisted living facilities, and major hospital renovations.

REPRESENTATIVE PROJECTS

U. S. Department of Energy Office of Legacy Management, Records Storage Facility, Morgantown, WV

U. S. Department of Agriculture Office Building, Morgantown, WV

Pillar Innovations Office Building & Manufacturing Facility, Morgantown, WV

Beitzel Corporation Office Building, Grantsville, MD

West Virginia University – Parkersburg, New Science Wing Fit-Up & Lab Classrooms, Parkersburg, WV

WVU B&E Startup Engine and Accelerator Space, Morgantown, WV

Marina Tower & WVU Administrative Offices, Morgantown, WV

WVU Medicine Behavioral Medicine Buildout @Physician Office Center Level 6, Morgantown, WV

Morgantown Marriott at Waterfront Place Hotel Renovation, Morgantown, WV

West Virginia University Greenhouse & Labs, Morgantown, WV

CVS Health Institutional Pharmacy, Morgantown, WV

City of Trussville Greenway Project, Phase II – Restroom Facility, Trussville, AL

Monongalia General Hospital - Multiple Renovations, Major Lab Renovation, Morgantown, WV

West Virginia University Parking Garage, Morgantown, WV

West Virginia University Life Sciences Aquatics Lab, Morgantown, WV

West Virginia University Oglebay Hall Forensic Facilities, Morgantown, WV

GSA – Federal Bureau of Investigation, Third Floor Renovations, Clarksburg, WV

U. S. Postal Service Projects, Miscellaneous Renovations to the following Post Offices: Clarksburg, WV; Salem, WV; Weston, WV; Spencer, WV; Grafton, WV

WV DNR Canaan Valley Resort State Park, Renovations/Additions, Davis, WV

WV DNR Cacapon Resort State Park, Lodge Expansion, Berkeley Springs, WV

EDUCATION

Bachelor of Architecture
Auburn University
Alabama, 1984

Roofing Technology
The Roofing Industry
Educational Institute, 1995

AFFILIATIONS

American Institute of Architects

PARADIGM ARCHITECTURE

Todd G. Cristopher, AIA, NCARB
Project Manager

Contact Information
☎ 304.284.5015
tchristopher@paradigm-arch.com

PROFESSIONAL SUMMARY

Todd's responsibilities have included development of construction documents and drawings, project management, marketing presentations, bidding procedures, and construction administration. He joined Paradigm Architecture in 2009 and has a combined 17 years of experience in commercial, corporate, hospitality, educational, performing arts, healthcare, continuing care retirement communities, laboratories, industrial, institutional, sports facilities, and multi-family residential.

REPRESENTATIVE PROJECTS

U. S. Department of Agriculture Office Building, Morgantown, WV

Pillar Innovations Office Building & Manufacturing Facility, Morgantown, WV

Beitzel Corporation Office Building, Grantsville, Maryland

West Virginia University – Parkersburg

New Science Wing Fit-Up & Lab Classrooms, Parkersburg, WV

Marina Tower & WVU Administrative Offices, Morgantown, WV

WVU Medicine Behavioral Medicine Buildout @Physician Office Center Level 6

Morgantown, WV

Morgantown Marriott at Waterfront Place Hotel Renovation, Morgantown, WV

West Virginia University Greenhouse & Labs

Morgantown, WV

Monongalia General Hospital - Multiple Renovations, Major Lab Renovation, Morgantown, WV

West Virginia University Parking Garage, Morgantown, WV

West Virginia University Life Sciences Aquatics Lab, Morgantown, WV

WV DNR Canaan Valley Resort State Park, Renovations/Additions, Davis, WV

WV DNR Cacapon Resort State Park, Lodge Expansion, Berkeley Springs, WV

Mon Health Medical Center, Retail Pharmacy Renovation, Morgantown, WV

Mon Health Medical Center, Echocardiogram Renovation, Morgantown, WV

Mon Health Medical Center Birthing Center, Morgantown, WV

Mon Health Medical Center, Complete Hospital Lab Renovation, Morgantown, WV

Mon Health Medical Center, Micro Lab Renovation, Morgantown, WV

Mon Health Medical Center, Cath Lab Fit-Out, Morgantown, WV

Acuity Specialty Hospital of Morgantown Renovations, Morgantown, WV

University of South Carolina, Discovery | Biomedical Research Facility, Columbia, SC*

Catawba Valley Medical Center Women's | Oncology Expansion & Renovations, Hickory, NC*

National Institute of Aerospace Research Facility, Hampton, Virginia*

*Key involvement in project with firm(s) other than Paradigm Architecture, Inc.

EDUCATION

Master of Architecture
Virginia Polytechnic Institute & State University Blacksburg, 2002

Bachelor of Science
Engineering Technology
Fairmont State College
Fairmont, WV, 1999

AFFILIATIONS

American Institute of Architects
NCARB #[redacted]

REGISTRATIONS

West Virginia #[redacted]

CJL ENGINEERING

Matthew R. Sotosky, P.E.
LEED® Accredited Professional
Managing Partner | Mechanical Engineer

Contact Information
☎ 814.536.1651, ext. 110
msotosky@cjlengineering.com

PROFESSIONAL SUMMARY

Matt Sotosky is a Managing Partner of CJL Engineering. He started with the firm in 1990 and has extensive experience in Design and Commissioning of HVAC, Plumbing and Fire Protection for Healthcare, Educational, Industrial and Commercial projects, with over 30 years experience as a professional engineer.

Matt is responsible for designing and managing mechanical, electrical, plumbing and fire protection engineering projects for all types of buildings and applications. He has designed and / or managed over $2.5 billion in construction projects.

REPRESENTATIVE PROJECTS

PA Department of General Services
- Lehighton Readiness Center, PA National Guard, Rehabilitation, Lehighton, PA
- Hamburg Readiness Center, PA National Guard, 75 kW Generator, Hamburg, PA
- Greensburg Readiness Center, Renovation, Greensburg, PA
- Stryker Brigade Readiness Center, Punxsutawney, PA
- Stryker Brigade Readiness Center, Bradford, PA
- Southwestern Veterans Center, Allegheny County Renovation Pittsburgh, PA

Bagram Air Field, Fighter Hangar, US Air Force, Afghanistan

Cairo West Air Base, Fuel Cell Maintenance Facility, Cairo, Egypt

Dover Air Force Base, Bathroom and Kitchen Renovation, Dover, DE

John P. Murtha Johnstown-Cambria County Airport Terminal and Pennsylvania Armory National Guard, Johnstown, PA

Erie International Airport -Tom Ridge Field, Multiple Renovations, Erie, PA

Pennsylvania College of Technology, Kathryn W. Lumley Aviation Center, Williamsport, PA

Hagerstown Regional Airport Terminal Addition and Renovation, Hagerstown, MD

Meritus Health System, Hagerstown, MD

WVU Medicine, Morgantown, WV
- Children's Hospital
- Clinical Pharmacy Clean Room

West Virginia Capitol Complex, Building #3, Tie into the Central Heating Plant, Charleston, WV

Bluefield Regional Medical Center, Obstetrics and OR Suites Upgrades, Bluefield, WV

West Virginia University, Oglebay Hall, LEED® Certified, Morgantown, WV

NASA Independent Verification and Validation Center, Fairmont, WV

SCI Muncy, GESA Consultant, DGS GESA-2017-2, Lycoming County, PA

SCI Houtzdale, GESA Consultant, DGS GESA-2018-1, Clearfield County

Pennsylvania State Correctional Institutions Renovations
- SCI Dallas
- SCI Huntingdon
- SCI Frackville
- SCI Cambridge Springs, PA
- SCI Mercer

Saint Vincent, Allegheny Health Network, Erie PA

Wooster Community Hospital, Wooster, OH

Duke LifePoint, Conemaugh Health System, Johnstown, PA

UPMC, Numerous Locations, PA

EDUCATION

Bachelor of Science
Mechanical Engineering
University of Pittsburgh, 1989

SPECIALIZATIONS

Mechanical Engineering
Pharmaceutical and Clean Room Design
Feasibility Studies, Master Planning
Healthcare and Assisted Living
Central Plant, Boiler, Chiller Systems
Commissioning

REGISTERED PROFESSIONAL ENGINEER

West Virginia, Pennsylvania, Maryland, Ohio, Michigan, Missouri, Kentucky, Texas, Illinois, Florida, Georgia, Tennessee, Colorado, New Mexico, Oklahoma

MEMBERSHIPS/ACTIVITIES

International District Energy Association (IDEA)

American Society of Mechanical Engineers (ASME)

ASHRAE

Association for the Society of Hospital Engineers (ASHE)

International Ground Source Heat Pump Association (IGSHPA)

Pennsylvania Society of Professional Engineers (PSPE)

National Society of Professional Engineers (NSPE)

U.S. Green Building Council (USGBC)

CJL ENGINEERING

Adam B. Hale, P.E.
Associate Principal | Mechanical Engineer

Contact Information
814.536.1651, ext. 139
ahale@cjlengineering.com

PROFESSIONAL SUMMARY

Adam Hale is a Mechanical Engineer at CJL Engineering. He joined the firm in 2008 as an intern and became a full-time employee in 2010.

Adam is responsible for the design and specification of HVAC and other mechanical systems for educational, healthcare, commercial, and corporate clients. He surveys existing facilities and systems to confirm and evaluate their condition. He conducts engineering studies, establishes design criteria, and estimates project costs. He is also responsible for communicating project needs and requirements between owner, architect, engineer and client.

REPRESENTATIVE PROJECTS

WVU Medicine, Children's Hospital, Morgantown WV

WVU Medicine, Central Sterile Renovation, Morgantown, WV

PA Department of General Services, Southwestern Veterans Center, Allegheny County Renovation Pittsburgh, PA

UPMC, Multiple Locations
- UPMC East LEED® Silver, New Medical Center, Monroeville, PA
- UPMC Hamot, Regional Center for Mother and Baby Health, Erie, PA
- UPMC Hamot, New Patient Care Tower, Erie, PA (In-Design)
- UPMC Passavant Pavilion, LEED® Silver, Expansion Pittsburgh
- UPMC Presbyterian, Deconstruction & Redesign, Pittsburgh, PA

Duke LifePoint, Conemaugh Health Systems, Johnstown, PA
- East Hills Outpatient Center
- Ebensburg Outpatient Center
- Conemaugh Memorial, Steam Condensate Study
- Conemaugh Memorial, Lab Pressure
- Conemaugh Memorial, Plastics Department, Tenant Fit-out
- Conemaugh Memorial, 'D' Building Infill Tower

Meadville Medical Center, Vernon Place – Medical Office Building, Meadville, PA

UPMC Lemieux Sports Complex, Penguins New Dual Rink Training Facility, Cranberry, PA

West Virginia Capitol Complex, Building 5, 6 and 7, Steam Upgrade, Charleston, WV

West Virginia University, Morgantown, WV
- Puskar Center Performance Dining Facility
- New Business and Economics Building

The Pennsylvania State University, Behrend – Knowledge Park, Advanced Manufacturing and Innovation Center, Erie, PA

Cambria County War Memorial Arena, Ice Rink Floor Replacement / Hockeyville HVAC Coordination, Johnstown, PA

Stoneham Arena, Rink Refrigeration and Floor Renovation, Stoneham, MA

St. Francis University, Loretto, PA
- New Science Center and Vivarium
- Degol Field house Renovation
- Sullivan Hall Renovation

CamTran Operations Center, Johnstown, PA

One PNC Tower - 14th Floor Renovations, Pittsburgh, PA

Autodesk, Inc. Tenant Fit-Out, Bakery Square Business Complex, Pittsburgh, PA

University of Pittsburgh, Salk Hall Renovation, Pittsburgh, PA

EDUCATION

Bachelor of Science
Mechanical Engineering Technology
University of Pittsburgh, 2010

SPECIALIZATIONS

Mechanical Engineering
HVAC Design
Facility Analysis
Master Planning
On-site Troubleshooting

REGISTERED PROFESSIONAL ENGINEER

West Virginia, Pennsylvania

MEMBERSHIPS / CERTIFICATES

ASHRAE

ASHRAE HFDP (Healthcare Facility Design Professional)

ASHE

CJL ENGINEERING

Rodney A. Wolfe, P.E.
Principal | Electrical Engineer

Contact Information
☎ 814.536.1651, ext. 115
rwolfe@cjlengineering.com

PROFESSIONAL SUMMARY

Rodney Wolfe is an Electrical Engineer and Principal of CJL Engineering. He started with the firm in 1993 and he is responsible for overseeing the electrical drafting, design and specifications of projects to assure compliance with local, state and federal codes, regulations and standards, establish company electrical design criteria, and schedule electrical department personnel to complete project assignments.

Rodney is involved in the design and specification of low and medium voltage distribution systems, lighting systems, emergency power systems, local area networks, sound and communications systems and site utilities. His noteworthy projects, comprising new construction, expansions and adaptive retrofit include:

REPRESENTATIVE PROJECTS

PA Department of General Services
- Lehighton Readiness Center, PA National Guard, Rehabilitation, Lehighton, PA
- Hamburg Readiness Center, PA National Guard, 75 kW Generator, Hamburg, PA
- Greensburg Readiness Center, Renovation, Greensburg, PA
- Stryker Brigade Readiness Center, Punxsutawney, PA
- Southwestern Veterans' Center, Emergency Generator Installation, Pittsburgh, PA
- Warren State Hospital, Renovate Fire Alarm and Fire Suppression Systems, Warren County, PA

PA State Correctional Institutions
- SCI Dallas, PA
- SCI Huntingdon, PA
- SCI Cresson, PA
- SCI Frackville, PA
- SCI Greensburg, PA
- SCI Cambridge Springs, PA
- SCI Mercer, PA

Westmoreland County Juvenile Detention Facility, Greensburg, PA

CamTran Operations Building LEED® Certified 750 kW Generator, Johnstown, PA

Pittsburgh Zoo and PPG Aquarium, Pittsburgh, PA - LEED® Compliant
- Animal Health Center
- Water's Edge, Polar Bear Exhibit

University of Pittsburgh at Johnstown, Owen Library, Johnstown, PA

WVU Medicine, Children's Hospital, Morgantown, WV

Kaley Center, Electrical Distribution, 10th Floor Lighting, Wheeling, WV

Lincoln Primary Care Center, 100 kW Generator, Charleston, WV

Wheeling Pittsburgh Steel Locker Room Renovation, Wheeling, WV

Harrison-Taylor 911 Center, Bridgeport, WV

Leidos Biomedical Research, Inc., Fort Detrick, Chiller Plant, Frederick, MD

Garrett County Memorial Hospital, Oakland, MD

Greater Johnstown Community YMCA, Johnstown, PA

Allegheny College, Meadville, PA

Clarion University of Pennsylvania, Clarion, PA

Community College of Allegheny County, Pittsburgh, PA

Edinboro University of Pennsylvania, Edinboro, PA

Mansfield University of Pennsylvania, Mansfield, PA

Mount Aloysius College, Cresson, PA

Slippery Rock University of Pennsylvania, Slippery Rock, PA

University of Pittsburgh at Titusville, Titusville, PA

GE Transportation Division, Erie, PA

EDUCATION

Bachelor of Science
Electrical Engineering
University of Pittsburgh - 1988

SPECIALIZATIONS

Electrical Engineering
Primary Power
Industrial Power
Government and Healthcare
Schools K-12
Colleges and Universities

REGISTERED PROFESSIONAL ENGINEER

West Virginia
Pennsylvania
Maryland
Ohio

MEMBERSHIPS/ACTIVITIES

Member of the Building Industry Consulting Service International (BICSI).

Pennsylvania Society of Professional Engineers (PSPE)

National Society of Professional Engineers (NSPE)

CJL ENGINEERING

Adam R. McKinley, E.I.T., CPD
Associate Principal | Plumbing Design

Contact Information
☎ 814.536.1651, ext. 113
amckinley@cjlengineering.com

PROFESSIONAL SUMMARY

Adam McKinley is the Plumbing Department Supervisor of CJL Engineering. He started at the firm in 2003 and serves as Project Manager for numerous projects, and is a Certified Plumbing Designer. Adam's experience includes numerous utility extensions and/or relocations for universities, schools, office buildings, hospitals, restaurants, high-rise condominiums and personal care home projects.

REPRESENTATIVE PROJECTS

PA Department of General Services
- Hamburg Readiness Center, PA National Guard, 75 kW Generator, Hamburg, PA
- Greensburg Readiness Center, Renovation, Greensburg, PA
- Stryker Brigade Readiness Center, Punxsutawney, PA
- Butler Headquarters Building Troop "D" Additions/Renovations, Butler, PA
- Southwestern Veterans' Center, Emergency Generator Installation, Pittsburgh, PA

Dale Oxygen, Addition and Renovation, Johnstown, PA

CamTran ATA Operations Center, Johnstown, PA

West Virginia Capitol Complex, State Office Building #3, Charleston, WV

Erie Public Safety Building – 911 Center, Erie, PA

Union Trust Building, Historic Renovation/ Retrofit, Pittsburgh, PA

Bucknell University, Carnegie Building, Lewisburg, PA

Shadyside Presbyterian Church, Pittsburgh, PA

Punxsutawney Area Transit Authority, Punxsutawney, PA

St. Marys Transit Center, St. Marys, PA

WVU Medicine, Children's Hospital, Morgantown, WV

West Virginia Capitol Complex, State Office Building #3, Charleston, WV

West Virginia University, Morgantown, WV
- New Business and Economics Building (In-Design)
- Puskar Center Performance Dining Facility
- Oglebay Hall Renovation

University of Pittsburgh, Cathedral of Learning, Pittsburgh, PA

UPMC East, LEED® Silver Hospital, Monroeville, PA

Greater Johnstown Community YMCA, Johnstown, PA

Swann Biomass Ethanol Plant, Clearfield, PA

ATA Building, LEED® Silver, St. Marys, PA

University of Pittsburgh at Johnstown, New Wellness Center, Johnstown, PA

West Chester University, E.O. Bull Center, West Chester, PA

UPMC Hamot, Bayview Medical Office Building, Erie, PA

Vincentian Collaborative System, Pittsburgh, PA

WRC Senior Services, Clarion, PA

Fulton County Medical Center, McConnellsburg, PA

EDUCATION

Bachelor of Science
Mechanical Engineering Technology
University of Pittsburgh - 2001

SPECIALIZATIONS

HVAC and Plumbing Design
Project Management

MEMBERSHIPS/ACTIVITIES

American Society for Plumbing Engineering Member (ASPE)

CJL ENGINEERING

Jaclyn A. Krawczyk, E.I.T.
LEED® Accredited Professional
Senior Associate | Fire Protection

Contact Information
☎ 814.536.1651, ext. 183
jkrawczyk@cjlengineering.com

PROFESSIONAL SUMMARY

Jackie Krawczyk is a Senior Associate and Fire Protection Designer with CJL Engineering and has over 14 years of experience in the industry. She is responsible for surveying and evaluating the condition of existing facilities, designing new fire protection and fire alarm systems, International Building Code and NFPA code consultations, evaluating shop drawing submissions, and performing life safety analysis on new and existing building projects. Jackie also provides construction observation services, which requires her to visit the construction site to solve field problems and to provide punch lists for completion of the project. She has served as a fire protection design engineer for hospitals, universities, schools, office buildings, high-rise condominiums, restaurants, and personal care homes.

REPRESENTATIVE PROJECTS

PA Department of General Services, Polk Center Upgrade Fire Suppression, Polk, PA

Bucknell University, Carnegie Building Historic Reconstruction and Renovation, Lewisburg, PA

Union Trust Building, Historic Landmark Renovation and Retrofit, Pittsburgh, PA

University of Pittsburgh, Cathedral of Learning, Pittsburgh, PA

Shadyside Presbyterian Church, Pittsburgh, PA

Community College of Allegheny County, K. Leroy Irvis Science Center, LEED® Silver, Pittsburgh, PA

The Pennsylvania State University, The Behrend Campus, Knowledge Park, Erie, PA

Pleasant Ridge Manor, Sprinkler Retrofit, Girard, PA

Grace Lutheran Church, State College, PA

UPMC East, New Medical Center, LEED® Silver, Monroeville, PA

UPMC Hamot, Regional Center for Mother and Baby Health, Erie, PA

Radiation Oncology Center at Lakewood Ranch Professional Center, Sarasota, FL

West Virginia Capitol Complex, Building #3, Tie into the Central Heating Plant, Charleston, WV

West Virginia University, Oglebay Hall, Forensic Science Lab, Historic Renovation, LEED® Certified, Morgantown, WV

Valley Hospice Personal Care Home, Wheeling, WV

The Highlands Call Center, Wheeling, WV

Bluefield Regional Medical Center, MOB, Bluefield, WV

UPMC Lemieux Sports Complex – New Medical Offices, Dual Ice Rink and Training Facility, Cranberry, PA

Duke LifePoint East Hills Outpatient Center, Conemaugh Health System, Johnstown PA

Missouri Baptist Hospital, St. Louis, MO

Akron Children's Hospital, Beeghly Campus, Boardman, OH

Wooster Community Hospital, Wooster, OH

Johnstown Flood Museum, Johnstown, PA

St. Francis University, Loretto, PA
- New Science Center and Vivarium
- DiSepio Institute for Rural Health and Wellness LEED® Compliant

EDUCATION

Bachelor of Science

Mechanical Engineering

The Pennsylvania State University - 2004

SPECIALIZATIONS

Sprinkler System Design

Fire Alarm System Design

Code Consultation

Life Safety Analysis

MEMBERSHIPS/ACTIVITIES:

Society of Fire Protection Engineers Member

National Fire Protection Association Member

AutoCAD

REVIT BIM

HASS Hydraulic Analysis

TRIAD ENGINEERING, INC.

Willam M. Ernstes, PLA
Land Development Services Manager

PROFESSIONAL SUMMARY

Mr. Ernstes manages Triad's Northwestern Regional Civil Engineering & Land Development department. He provides professional services in the areas of site inventory and analysis, planning, landscape architecture, and permitting. His responsibilities include project management, client project coordination, design production, quality control, and quality assurance. Mr. Ernstes' experience includes land and infrastructure development, permitting, utilities, stormwater management and storm drain design / best management practices, and erosion and sediment controls.

REPRESENTATIVE PROJECTS

I-79 Technology Park, Fairmont, WV

As Project Manager, Mr. Ernstes was responsible for the development of a Master Plan and detailed Retail / Commercial Plan for the expansion of the Park on behalf of the WV High-Tech Consortium (WVHTC). Preliminary Road and Utility Plans were created in 2016. 2018 the existing road infrastructure was expanded which, at its completion, will include 7,944 linear feet of roadway and associated utilities.

Morgantown Municipal Airport, Monongalia County, WV

As Project Manager, Mr. Ernstes was responsible for teaming on the design of this East Side Development which included three new t-hangars and associated infrastructure west of the WV Army National Guard Readiness Center. Mr. Ernstes' responsibilities for this development phase consisted of design services to complete the storm drainage and storm water management system and erosion sediment control elements of the project.

WVU Institute of Technology, Beckley, WV

As Project Designer, Mr. Ernstes was responsible for the site design and construction document phases for this new 11,000 square foot, one story engineering lab building. Mr. Ernstes coordinated with the Architect to provide site configuration and layout plans and permitting. Grading, storm drainage/ stormwater management, utility, and erosion and sediment control plans were included in the project. The package included construction documents and assisting the owner in the evaluation of bids.

New Portal Bathhouse Office Building, Barbour County, WV

As Project Designer, Mr. Ernstes prepared site plans for demolition of existing structures and new construction for this 23,000 square foot Sentinel Mine facility. Phase I included a demolition plan, site plan, erosion and sediment control plan and grading and utility plan. Phase II included final construction planning and associated construction documents.

EDUCATION

Bachelor of Science
Landscape Architecture
West Virginia University

PROFESSIONAL EXPERIENCE

25 Years

REGISTRATIONS & LICENSES

Registered Landscape Architect:
[redacted]Pennsylvania
[redacted]irginia
[redacted]West Virginia
[redacted]Maryland

SKILLS

Walkability Studies
Feasibility Studies
Site Inventory and Analysis
Improvements
Conceptual Design and Development Plans
Utilities Design
Roadway Infrastructure

TRIAD ENGINEERING, INC.

John Haynes, P.E.
Drilling Services Manager

PROFESSIONAL SUMMARY

Mr. Haynes serves as the Senior Drilling Manager for Triad's drilling operations where he manages all drilling and sampling activities conducted by the firm's regional offices. Mr. Haynes' duties include design and implementation of the subsurface investigations, assignment of laboratory testing, approval of design drawings, development of technical specifications, and preparation of drilling and geotechnical engineering cost proposals and reports.

REPRESENTATIVE PROJECTS

Statewide Geotechnical Drilling IDIQ, Various Locations, WV
This project consists of an as-needed, on-call 1 to 2 year contract for providing geotechnical drilling to the West Virginia Division of Highways. Triad has maintained this contract since 1998 and Mr. Haynes has managed the contract since 2012. Projects have included water borings (off shore drilling) for the I-64 Nitro, St. Albans, Bridge and borings for several bridge replacements in various locations throughout West Virginia.

Western Juvenile Detention Center, Barboursville, WV
As a Project Engineer, Mr. Haynes developed and implemented the subsurface exploration for this detention facility. His responsibilities included coordination with our in-house survey department, determination of access for drill rig and equipment, and supervision of all field work.

Ohio University Southern Center for Development, Athens, OH
Mr. Haynes worked with drill teams during the subsurface exploration phase of this project and prepared computer-generated borings logs and assigned laboratory testing. From this, he prepared a geotechnical report including foundation recommendations, allowable bearing capacities, and estimated settlements.

St. Mary's Hospital, Huntington, WV
Mr. Haynes staked the test borings utilizing measurements from existing site features. Following the subsurface exploration, Mr. Haynes prepared a geotechnical report including foundation recommendations, allowable bearing capacities, and estimated settlements.

Corridor H Drilling-Kerens to Parsons, Section 1B, Randolph, Tucker County, WV
The project consists of the geotechnical drilling for a 5.62 mile section of a 4 lane Expressway which extends from Interstate 79 near Weston, WV east to the Virginia state line near Wardensville, WV. Mr. Haynes was the project manager for this project which consisted of 272 Borings for a total drilling footage of 15,757 feet. This project was extremely difficult due to the extremely steep terrain and strict environmental requirements.

Corridor H Drilling-Kerens to Parsons, Section 2, Tucker County, WV
The project consists of the geotechnical drilling for a 3.69 mile section of a 4 lane Expressway which extends from Interstate 79 near Weston, WV east to the Virginia state line near Wardensville, WV. Mr. Haynes was the project manager for this project which consisted of 166 Borings for a total drilling footage of 10,616 feet. This project was extremely difficult due to the extremely steep terrain and strict environmental requirements.

EDUCATION

West Virginia Institute of Technology
BS, Mechanical Engineering
BS, Civil Engineering

PROFESSIONAL EXPERIENCE

26 Years

CERTIFICATIONS

Certified Monitoring Well Installer
[redacted]

REGISTRATIONS & LICENSES

Professional Engineer
West Virginia [redacted]
Maryland [redacted]

SKILLS

Managing Multiple Drill Crews
Organizing drills, crews, and supplies for drilling projects
Design of Subsurface Explorations
Approval of Design Drawings
Proposals
Drilling Inspection
Geotechnical Analysis & Reporting
Geotechnical Engineering and Drilling Cost Estimating and Bid Preparation

TRIAD ENGINEERING, INC.

Benjamin G. Campbell, P.E.
Senior Engineer

PROFESSIONAL SUMMARY

Mr. Campbell has over 13 years of engineering experience. He is responsible to Triad's Geotechnical Engineering Services and Construction Field and Laboratory Services. Mr. Campbell performs geotechnical explorations, assessments, and evaluation of exploration results, foundation recommendations and reporting, laboratory testing, field inspections, and special inspections.

REPRESENTATIVE PROJECTS

Morgantown Municipal Airport, Monongalia County, WV
As Senior Engineer Manager, Mr. Campbell provided oversite and consultation for geotechnical and construction materials monitoring and inspection services for this project which consisted of three new T-Hangars with associated taxiways, vehicular parking, access drives, and fencing for a +/-600,000 sq. ft. airport addition.

I-79 Technology Park, Fairmont, WV
As Project Engineer, Mr. Campbell oversaw the drilling and laboratory testing for a geotechnical exploration of 560 linear feet of this roadway project for the business park. A detailed discussion of the site geology and subsurface conditions was provided along with recommendations for site preparation and controlled fill construction.

Pressley Ridge Office, Harrison County, WV
As Project Engineer, Mr. Campbell provided a subsurface exploration for the construction of a 2,300 square foot office building with a finished floor elevation of 1,046.99 feet and basement elevation of 1,037.21. Once the evaluation was completed a detailed report with foundation recommendations was provided.

WVU Dairy Barn at Animal Science Farm, Morgantown, WV
As Project Engineer, Mr. Campbell provided a geotechnical exploration for this 13,700 square foot single-story dairy barn. The foundation system included spread footings. Exploration included drilling of borings, laboratory testing, and foundation recommendations.

Fairmont Fire Station, Fairmont, WV
As project engineer, Mr. Campbell provided a geotechnical explorations and site recommendations for a conceptual fire station project. Mr. Campbell was responsible for overseeing test borings and laboratory soil testing on different sites for the purpose of assisting with site selection and, once determined, for construction and design purposes.

Portal Bathhouse Office Building, Barbour County, WV
As Project Engineer, Mr. Campbell provided a geotechnical exploration within the planned building footprint and in the proposed expanded parking area. Laboratory soils testing was provided and a detailed geotechnical report was developed discussing the site geology, subsurface conditions, foundation recommendations, recommended modulus of subgrade reaction for the design of concrete slabs on grade, and general pavement recommendations.

EDUCATION

Marshall University
MS, Engineering

Fairmont State University
BS, Civil Engineering Technology

Potomac State College
AA, Civil Engineering

PROFESSIONAL EXPERIENCE

13 Years

REGISTRATIONS & LICENSES

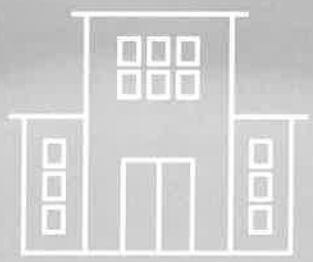
Professional Engineer
West Virginia [redacted]
Pennsylvania

SKILLS

Project Management
Soils Classification
Construction Materials
Engineering & Testing

PROFESSIONAL AFFILIATIONS

ASHE
ASCE
NSPE



TEAM QUALIFICATIONS

Government Experience

PARADIGM ARCHITECTURE

Mine Safety and Health Administration (MSHA) Renovation/Addition - Bridgeport, WV

GSA - Federal Bureau of Investigation Third Floor Renovations - Clarksburg, WV

Undisclosed ClientTwo LEED Gold Office Buildings - Undisclosed Location, PA

U. S. Census Bureau Upfit, Morgantown, WV

U. S. Department of Agriculture Office Building - LEED Certified - Morgantown, WV

U. S. Department of Energy, Office of Legacy Management Records Storage Facility, LEED Gold (Core & Shell) | LEED Gold (Commercial & Interiors), Morgantown, WV

West Virginia University, Parking Garage - Morgantown, WV

National Biometrics Security Office Upfit - Morgantown, WV

Trussville City Hall Renovations, Trussville, AL

GSA - Social Security Administration Office of Hearing and Appeals - Bridgeport, WV

Social Security Administration Office of Hearing and Appeals - Fairmont, WV

City of Trussville Greenway Project Phase II - Restroom Facility - Trussville, AL

U. S. General Services Administration Representative Mollohan Office Upfit - Morgantown, WV

Canaan Valley Resort State Park Renovations/Additions - Davis, WV

Cacapon Resort State Park Lodge Expansion - Berkeley Springs, WV

Charleston Federal Center Renovation*
Charleston, WV

Clarksburg Federal Center*
Office Building - Clarksburg, WV

U. S. Postal Service Projects
Indefinite Quantity A/E Services in Appalachian Region
Indefinite Quantity A/E Services Contract in VA & WV

Miscellaneous Renovations to the following Post Offices: Clarksburg, WV - Salem, WV - Weston, WV - Spencer, WV - Grafton, WV

*Key involvement in project with firm(s) other than Paradigm Architecture, Inc.

The General Services Administration for the U.S. Department of Agriculture, Morgantown, WV

- Owner: Glenmark Holdings, LLC
- Contact: Mark Saab - (304) 599-3369 ext. 103
- Completed: Summer 2009
- Cost: $7.5 Million (Shell)
- Size: 36,000 Square Feet
- Delivery Type: Design-Build Competition
- Contractor: March-Westin Company, Inc.

THE PROJECT

Awarded through a Design-Build Competition sponsored by the General Services Administration. This two-story facility houses five agencies of the USDA including: the Credit Union, Rural Development, Farm Services Administration, Natural Resource Conservation services, and the USDA Information Technology Services as well as a wellness center.

LEED Certified

DESIGN SOLUTIONS

- Program/Goals: Provide a new facility to house the various agencies of the United States Department of Agriculture housed in the Federal Building in downtown Morgantown. Support groups such and Information Technology and the Tri-Ag Federal Credit Union will be located in the new facility as well. The program required Federal security standards related to the building, roads, and parking area. Common areas were required for conference/training rooms, break room, mail room and fitness center. In addition, the project was required to achieve LEED Certification.
- Site: The project site was a relatively flat rectangular parcel along the commercial section of Earl Core Road in Sabraton. The property was a former "Brown Field" site owned by the WV Department of Highways. A portion of the land was within the 100-year floodplain of Deckers Creek which limited the positioning of the building.
- Solution: The security standards established the perimeter setbacks and the limitations in property width dictated that only visitor parking could be located in front of the building with employee and secured parking in the rear. This functions well because the Tri-Ag Credit Union requires public access and visibility. The remaining agencies generally function as traditional office environments. The southern and western faces of the building are defined by larger window sections which are screened from harsh summer sunlight by an architectural colonnade and continuous sun screens. These treatments in conjunction with the use of three distinct masonry veneer materials add visual interest to a building that is basically a two-story rectangle.

United States Department of Energy
Office of Legacy Management, Morgantown, WV

- Owner: F. D. Partners, LLC
- Contact: Claiborne J. Williams (703) 537-7653
- Completed: Fall 2009
- Cost: $8 Million (Shell); $2.7 Million (Tenant Improvement)
- Size: 60,000 Square Feet
- Delivery Type: Design-Build-Negotiated
- Contractor: March-Westin Company, Inc.

THE PROJECT

A new sustainable office and records storage facility for the United States Department of Energy Office of Legacy Management which was awarded through a Design-Build Competition sponsored by the General Services Administration. This one-story building includes 37,000 square feet of NARA Certified Records Storage space, including a 1,200 square foot Cold Room, and 23,000 square feet for administration. The administration portion includes both open and individual office space, several conference rooms, a wellness center, locker rooms, a data center, a public research area, and an area for receiving / processing.

LEED Gold (Core & Shell) | LEED Gold (Commercial & Interiors)

ABC West Virginia Chapter: 2003 Excellence in Construction Award

DESIGN SOLUTIONS

- Program/Goals: One of the themes of the new DOE mission statement is "Environmental Responsibility." They want to incorporate this theme into their goal of preserving and protecting legacy records and information. The DOE identified that the best way to accomplish these goals was to realign their resources and create a sustainable, stand-alone Office of Legacy Management whose mission is to effectively and efficiently manage the environmental and human legacy issues for current and future generations.
- Site: The facility is located on a ten-acre site on the newly opened West Virginia University Research Park off of WV Highway 705. Solution: Because sustainability and environmental responsibility were of utmost importance, the design solution concentrated on limiting energy and natural resources. The use of natural light was prioritized throughout the Administration wing. The building not only gathers indirect natural light through clerestory windows, but also light shelves were installed to bring light deeper into the space. Each room has daylight and occupancy sensors so that the artificial lighting can adjust to amount of natural light or turn off if there is no occupant in the room. The restrooms include waterless urinals and low-flow toilets to limit water consumption. The air conditioning and heating loads were reduced by using high performance glass, an exterior sunshade, and heavily insulating the walls and roof. The record storage space is conditioned and humidity controlled and includes a 1,200 square foot cold room for microfilm storage. In addition, the security systems are designed and operated to meet the Minimum Security Standards for Level III Federal Facilities and are in compliance with Homeland Security Presidential Directive 12.

Pillar Innovations Office Building & Manufacturing Facility, Morgantown, WV

- Owner: Beitzel Resources, LLC
- Completed: Fall 2011
- Cost: $4.1 Million
- Size: 19,828 Square Feet
- Delivery Type: Design-Build-Negotiated
- Contractor: TEDCO Construction Corporation

THE PROJECT

The new facility for Pillar Innovations is comprised of 19,830 square feet over two floors. The first floor of the building will house the manufacturing & laboratory spaces of the building as well as core components. The second floor consists of offices, open office areas, a training facility, conference room, catering kitchen, support spaces, and core components. The brick exterior of the building is accentuated with brick banding, composite metal panels, and LOW-E reflective glass. The design allows for future expansion for Pillar Innovations in their ever growing market.

DESIGN SOLUTIONS

- Program/Goals: The desire was to create a state of the art office building and manufacturing facility for Pillar Innovations.
- Site: The site was located within the Chaplin Hill business park in Morgantown, WV. The site was relatively flat with an ample lay down and staging area for construction.
- Solution: The solution was to create a two story office and manufacturing facility. The first floor houses the manufacturing facility and was planned with open areas for work tables, material storage, and equipment. The second floor contains offices, conference & training areas and support spaces. Anticipating future growth, Pillar Innovations has long term plans to build a larger manufacturing building behind the current building. Once this transition takes place, the first floor will be built out with office spaces similar to the second floor. The building has a modern flair which pays homage to Pillar Innovation's ideals of being a progressive company pushing the envelope within their industry. The building has large expanses of glass with complimentary brick colors, anodized metal panels, and a modern colonnade. The metal panels make their way within the interior of the building and accent a grand stair.

Beitzel Corporation Office Building
Grantsville, MD

- Owner: Beitzel Resources, LLC
- Completed: Summer 2015
- Size: 29,745 Square Feet
- Cost: $5.35 Million
- Delivery Type: Design-Bid
- Contractor: Harbel, Inc.

THE PROJECT

The new corporate headquarters for Beitzel Corporation consists of a three story, 29,745 square foot building. The building houses offices, open office areas, a state-of-the-art training facility, conference rooms, catering kitchen, support spaces, and core components. The building also features an outdoor patio space for employee breaks and gatherings. The brick & metal panel building utilizes LED equipped light fixtures, LOW-E reflective glass, and additional insulation to minimize utility needs and reduce its carbon footprint.

West Virginia University - Parkersburg
New Science Wing Fit-Up & Lab Classrooms

- Owner: West Virginia University - Parkersburg
- Architect of Record: Paradigm Architecture, Inc.
- Lab Architect: Stanley Beaman Sears
- Completed: Summer 2013
- Cost: $1 Million
- Size: 11,800 Square Feet
- Contractor: Interiors Plus & MIRC Construction Services

THE PROJECT

Paradigm Architecture and Stanley Beaman Sears were tasked with renovating an existing Automobile Welding Shop into the New Science Wing at the Main Campus of WVU Parkersburg. The space was designed for five classroom labs and supporting space for a total of about 11,800 SF of renovated space. Additionally, a new entrance façade converted the existing shop front with its row of garage doors into a contemporary look for the New Science Wing. This project was done in multiple phases as funding was approved.

DESIGN SOLUTIONS

- Program/Goals: West Virginia University – Parkersburg wished to convert an existing automobile welding shop into the campus' New Science wing.
- Site: The site was contained to the existing building which was approximately 11,800 SF.
- Solution: The open nature of the automobile welding shop presented a large open area without many obstructions to design around. Labs for biology, botany, zoology, microbiology, anatomy, and other disciplines were provided consisting of both wet and dry lab spaces. Also provided are support and storage spaces for lab equipment.
- The exterior of the building incorporates a new façade in front of the existing garage doors giving the building a new contemporary look. The new façade also incorporated a lobby area for the building with a large expanse of glass reinforcing the modern feel of the building.

WVU B&E Startup Engine & Accelerator Space
Morgantown, WV

- Owner: West Virginia University
- Completed: Summer 2019
- Cost: $1.1 Million
- Size: 7,500 Square Feet
- Delivery Type: Design-Bid-Build
- Contractor: Lombardi

THE PROJECT

The WVU Business & Education School Startup - Accelerator Space is approximately 7,500 square feet of existing space underneath the University Place Garage in Morgantown, West Virginia. The project consists of coworking/startup space, accelerator space for new businesses, meeting space for over 200 people, offices for program directors, a kitchen area, and conference rooms. In addition, the entire space is readily available with top of the line technology capabilities such as video conference and virtual presentations. The program's mission is to attract, select and accelerate startups focused on the sectors/ industries identified in the West Virginia Forward report with the objective of supporting the diversification of the state's economy. The Startup Engine supports diversification of the state's economy through sector-specific, cohort-based business development programs. The program helps startups hone their ideas, access seed capital, develop mentor relationships and partner with existing businesses.

Marina Tower
Morgantown, WV

- Owner: Bocci, LLC - Rich Lane (304) 284.5013
- Completed: Winter 2008
- Cost: $20 Million (Shell & Fit-Up)
- Size: 90,000 Square Feet
- Delivery Type: Design-Build-Negotiated
- Contractor: March-Westin Company, Inc.

THE PROJECT

An eight-story office building with retail/dining elements on the first level located along the rail trail in Morgantown's Wharf District. Situated between the Jackson Kelly Building and the Waterfront Parking Garage, Marina Tower is the sixth addition to the Waterfront Master Plan. West Virginia University occupies two floors in the Marina Tower office building.

2008 Best New Construction Award from Main Street Morgantown

DESIGN SOLUTIONS

- Program/Goals: The desire was to create a new Class A office building that fit into the context of the historic Waterfront District.
- Site: Because of its urban setting, the construction staging area was quite limited and extra care had to be taken to work on the tight site.
- Solution: The solution was to create a façade which responded to the district with portrait, punched windows, and brick walls. These materials, proportions, and forms reflect the character of area. Visual interest was added by introducing contrasting brick colors and accentuating the corners of the building. This type of treatment did not add much cost or increase the project schedule. There are multiple tenants in this building. Some occupy the whole floors such as the West Virginia University Administration which occupies two floors, while others, such as Federal Government tenant Representative Mollohan's Office, only occupy 933 SF of space. Some Federal Government tenants have sensitive documents like the 6,362 SF United States Census Bureau Office Suite. Because of these differing requirements, the core and shell of the building had to be flexible enough to handle different size suites, but also the circulation path had to be able to be easily secured.

Marina Tower - WVU

Administrative Offices, Morgantown, WV

- Owner: Platinum Properties
- Completed: Fall 2010
- Cost: $395,400
- Size: 20,000 Square Feet
- Delivery Type: Owner-Constructed/ Subcontractor Bids
- Contractor: WVU In-House Construction Group

THE PROJECT

West Virginia University occupies two floors in the Marina Tower office building. The 20,000 square feet of space is used to house administrative functions including Facilities and Services, Real Estate, Facilities Planning and Scheduling, News and Information, Planning and Treasury Operations, and Internal Audit.

West Virginia University Greenhouse & Labs
Morgantown, WV

- Owner: West Virginia University
- Owner's Rep: John Sommers, Construction Manager (304) 293-2856
- Completion: Spring 2012
- Cost: $7.4 Million
- Size: 28,250 Square Feet
- Delivery Type: Design-Bid-Build
- Contractor: March-Westin Company, Inc.

DESIGN SOLUTIONS

- Program/Goals: Design a replacement for the aging Greenhouse for the West Virginia University Ag Science Department at the location of the current Evansdale Campus facility. Make the complex a state-of-the-art laboratory, research teaching, and plant growth facility. Design to comply with architectural standards developed for the campus.
- Site: The site is situated on the perimeter of the Evansdale campus and is the location of the current Greenhouse complex. The site is excellent because it has the perfect southern orientation and therefore is the best location for the new structures. This will require demolition of the existing Headhouse but the preservation of an existing plastic greenhouse structure for purposes of continued teaching and research.
- Solution: The solution included the construction of a two-story, 9,250 SF Headhouse using traditional construction to serve as the public "Front Door" for the complex. The design incorporated the scale, fenestration, materials and details required by the Evansdale Campus design standards. Using traditional steel frame construction, the building accommodates teaching laboratories, plant preparation areas, offices, conference room, and additional Dry & Wet Laboratories for use by the U.S. Dept. of Forestry. The 28,250 SF of acrylic and aluminum greenhouse space is divided into three distinct structures with subdivisions for smaller "Growing Rooms". This configuration was dictated by the shape of the property and the need to keep one building from casting shadows on an adjacent structure. Unique features include growth lighting, irrigation systems, ventilation and heating control, and adjustable shading devices. A connection to the existing plastic greenhouse assured that the facility was in continuous operation during construction and allowed for the addition of future greenhouse wings. The new complex was able to utilize the campus steam loop as the primary energy source.

Government Experience

Beaver Falls Readiness Center, DGS 964-59, Ph. 1, Beaver County, PA

Greensburg Readiness Center, DGS 963-57, Greensburg, PA

Lehighton Readiness Center, DGS 961-27 Ph. 2, Lehighton, PA

Hamburg Readiness Center, DGS 961-31, Ph. 1, Berks County, PA

Stryker Brigade Combat Team Readiness Center, DGS 962-15,Bradford, PA, DGS 963-16, Hermitage, PA, DGS A964-46, Punxsutawney, PA

Naval Air Station (NAVAIR), Patuxent River, MD

Cairo West Air Base, Cairo Egypt

U.S. Air Force Base, Bagram, Afghanistan

Youngstown Air Reserve Station, Youngstown, OH

Dulles International Airport, Dulles, VA

Erie International Airport, Erie, PA

John P. Murtha, Johnstown-Cambria County Airport Terminal, and Pennsylvania Army National Guard Facility, Johnstown, PA

Hagerstown Regional Airport Terminal, Hagerstown, MD

Pittsburgh International Airport, Pittsburgh, PA

Afghanistan Border Police Battalion, Afghanistan

Ft. Detrick, Frederick National Laboratory for Cancer Research, Frederick, MD

Akron Thermal LP, Downtown District Chiller, Akron, OH

Allegheny City Department of Public Works, Pittsburgh, PA

Ashtabula County Jail, Jefferson, OH

Ashtabula County, Juvenile Detention Center, Ashtabula, OH

Belmont County Courthouse, St. Clairsville, OH

Butler Township Municipal Building, Butler, PA

Cambria County Central Park Complex & Academic Center, Johnstown, PA

Cambria County Courthouse, Ebensburg, PA

Cambria County War Memorial Arena, Johnstown, PA

Cambria County Prison, Ebensburg, PA

City of Chesapeake City Hall, Chesapeake, VA

Clarion County Courthouse, Clarion, PA

Clearfield County Courthouse, Clearfield, PA

Delaware County, County Building Assessments, OH

Erie Public Safety Building and 911 Center, Erie, PA

Frederick County Public Schools, Emmitsburg, MD

Ft. Worth International Airport, Dallas, TX

Mahoning County Courthouse, Youngstown, OH

Mahoning County Jail, Youngstown, OH

Marshall Township Municipal Building, Marshall Township, PA

Moon Township Municipal Complex, Moon Township, PA

Murrysville Public Service Complex, Murrysville, PA

National Geospatial Intelligence Agency, Arnold, MO

Naval Air Station Oceana, Virginia Beach, VA

Old Mifflin County Courthouse, Lewistown, PA

PennDOT Erie Roadside Rest Facilities Renovations, DGS 251-97 Ph.1, Erie, PA

PennDOT Mercer Welcome Center Facilities Renovation, DGS 251-98 Ph. 1, Mercer, PA

PennDOT Roadside Rest Sites #17 & #18, 1-79, DGS A251-685, Mercer County, PA

Pennsylvania Department of Transportation, Smithport, Tionesta, PA

Pennsylvania State Correctional Institute , DGS 1579-8, Ph. 1, Cambridge Springs, PA

Pennsylvania State Correctional Institute, DGS 377-3, Ph. 2, Forest County, PA

Pennsylvania State Correctional Institute, Houtzdale, DGS GESA-2018-1, Clearfield County, PA

Pennsylvania State Correctional Institute, Muncy, DGS GESA-2017-2, Lycoming County, PA

Pennsylvania State Correctional Institute , DGS 578-20, Dallas, PA

Pennsylvania State Correctional Institute, DGS 572-18, Huntingdon, PA

Pennsylvania State Correctional Institute , DGS 1570-6, Greensburg, PA

Pennsylvania State Correctional Institute , DGS 374-6 Ph. 1, Somerset, PA

Pennsylvania State Correctional Institute , DGS 32-04, Greene County, PA

Pennsylvania Turnpike Commission, Harrisburg, PA

Polk Center Kitchen HVAC, DGS 552-38 Ph.1, Venango County, PA

Polk Center, Fire Suppression Upgrade, DGS 552-39, Ph. 1, Venango County, PA

Portage County Prosecutor's Building, Ravenna, OH

Presque Isle State Park, Replace Beach/Shower House, DGS 163-36, Ph. 1, Erie County, PA

Richland Public Library, Richland Township, PA

Richland Township Municipal Building, Gibsonia, PA

Scott Township Municipal Building, Scott Township, PA

Southwestern Veterans Center, Emergency Generator, DGS A970-221, Pittsburgh, PA

Warren State Hospital, Renovate Fire Alarm & Suppression, DGS 514-28, Ph. 1, Warren County , PA

Washington County Courthouse, Washington, PA

Washington Co. Department of Public Works, Hagerstown, MD

West Virginia Capitol Complex, State Office Building #3, Charleston, WV

West Virginia University, NASA Katherine Johnson Independent Verification & Validation Center, Fairmont, WV

Lehighton Readiness Center

DGS C-0961-0027 Systems Upgrade, Lehighton, PA

THE PROJECT

CJL Engineering provided the mechanical and electrical engineering upgrades to the 16,000 SF Lehighton Readiness Center. The facility is used by the Pennsylvania Army National Guard for troop training and housing military vehicles. The project was administered through the Pennsylvania Department of General Services; design was completed in 2019.

DESIGN SOLUTIONS

- New HVAC system including rooftop units and energy recovery units
- Electrical power distribution includes electric service entrance and power distribution equipment
- New LED lighting and branch circuit wiring
- Emergency generator for standby power generation
- Technology network includes new data cabling infrastructure.
- Kitchen upgrades to include new exhaust hood
- New building access control system and vault intrusion detection system

Hamburg Readiness Center

DGS 961-31, Systems Upgrade, Hamburg, PA

THE PROJECT

CJL Engineering provided the mechanical and electrical engineering upgrades to the 20,000 SF Hamburg Readiness Center. The facility is used by the Pennsylvania Army National Guard for troop training and housing military vehicles. The project was administered through the Pennsylvania Department of General Services; renovations were completed in 2014.

DESIGN SOLUTIONS

- New hot water heating system with high efficiency condensing boilers
- New heating and ventilating units and split system DX cooler for office areas
- Electrical power distribution includes electric service entrance and power distribution equipment
- New lighting and branch circuit wiring
- Emergency Generator for backup power generation
- Technology Network includes new telephone service entrance and data infrastructures

Stryker Brigade Readiness Centers
Bradford, Hermitage and Punxsutawney, PA

THE PROJECT

The Pennsylvania National Guard's Stryker Brigade program includes 10 new readiness centers, along with extensive upgrades to their existing facilities. Each secure center is designed for use by the Pennsylvania Army National Guard for troop training and military vehicles. The projects are administered through the Pennsylvania Department of General Services.

CJL Engineering was selected to provide the mechanical and electrical engineering design for three facilities: Bradford (DGS 962-15), Hermitage (DGS 963-16) and Punxsutawney, (DGS A964-46). The projects were designed to achieve the National Guard Bureau's Sustainable Project Rating Tool (SPiRiT) Gold Rating

DESIGN SOLUTIONS

- The HVAC design feature rooftop air-conditioning units with DX cooling, gas heat
- Electrical power distribution includes electric service entrance and power distribution equipment
- Security measures included securing entry doors, and camera monitoring system throughout each building
- Redundant Systems for backup power generation, automatic transfer switches and duct banks
- Secure Technology Network includes new telephone service entrance and data infrastructures

CJL ENGINEERING

State Office Building #3, LEED® Certified

West Virginia Capitol Complex, Charleston, WV

THE PROJECT

The West Virginia State Office Building #3 is a 235,000 SF 10-story limestone-faced structure that is part of the Capitol Complex in Charleston, WV. Built in the early 1950's the structure houses a number of different state offices. The building required a comprehensive retrofit and upgrade of all mechanical, electrical and plumbing systems. Following its architectural and engineering retrofit, the building achieved LEED® Certification.

DESIGN SOLUTIONS

- All existing MEP equipment was replaced with new systems and the building was brought up to meet current code requirements
- Heating and cooling systems were connected to the existing campus wide steam and chilled water systems
- New electrical service and equipment were provided to serve the building including a new emergency generator
- All new plumbing systems, including new fixtures, were installed
- Fire protection systems were installed for a fully sprinklered building with a new fire pump located in the basement
- The building is LEED® Certified

TRIAD ENGINEERING, INC.

Readiness Center

DGS C-0961-0027 Systems Upgrade, Lehighton, PA

- Project Type: Government
- Fees: $410K
- Triad Services: Geotechnical Engineering, Survey Services and Quality Control

THE PROJECT

Over the years, Triad has provided services as part of a team for multiple readiness centers in West Virginia and Pennsylvania.

DESIGN SOLUTIONS

- Morgantown, WV
  - Quality Control Field and Laboratory Testing
  - Survey Services
- Greensburg, PA
  - Quality Control Field and Laboratory Testing
- Elkins, WV
  - Geotechnical Litigation Support for a recently constructed building which is showing signs of distress. The scope includes reviewing existing reports and specifications, consultation, along with comparing and contrasting work with existing reports and specification. Triad will provide an opinion regarding cause as it relates to the original geotechnical report, construction inspection, and available plans and specifications.
- Moorefield, WV
  - Quality Control Field and Laboratory Testing

TRIAD ENGINEERING, INC.

Morgantown Municipal Airport
Morgantown, WV

- Project Type: Airport Hangars & Taxiways
- Fees: $76,037
- Regulatory: MUB, WVDEP, NPDES
- Triad Services: Civil Design, Survey, Geotechnical Engineering, Construction Materials Testing and Inspection

THE PROJECT

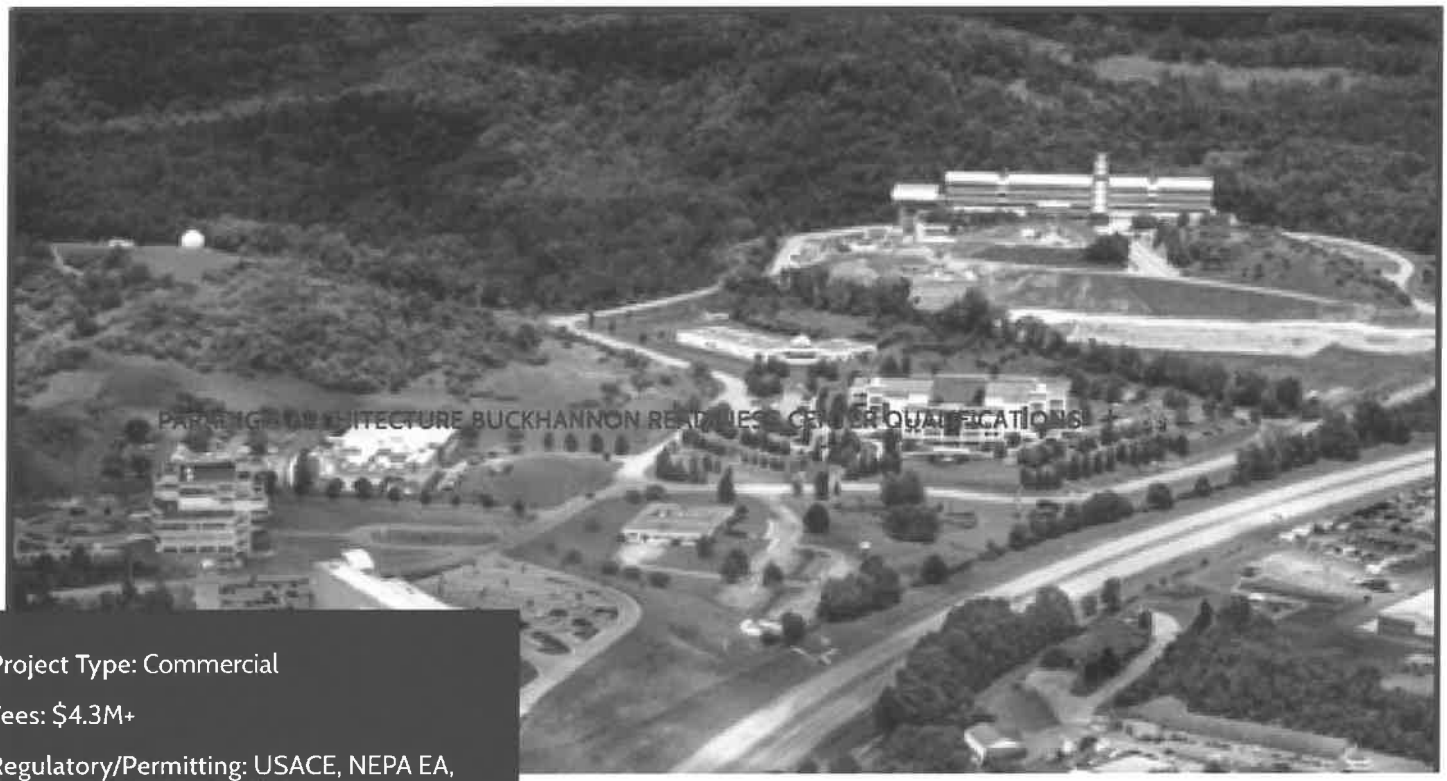
In 2014, Triad assisted the Prime Contractor with the Civil Design, Geotechnical Engineering, and Survey Services to design three new T-hangars with associated taxiways, vehicular parking, access drives, and fencing. The gross footprint was +/- 600,000 square feet. Structures consisted of metal framing with concrete slab-on-grade. In 2017 construction began on this East Side Development of the Morgantown Municipal Airport and Triad provided Geotechnical Engineering, Construction Materials Testing and Monitoring, along with Survey Services to bring this project to completion.

DESIGN SOLUTIONS

- Initially, a Field Run Survey was performed to locate 15 soil test borings and group elevations for drilling. This included Standard Penetration Testing to maximum depths of 10-20 feet below existing grades. Laboratory soil and rock testing was completed for the preparation of a detailed geotechnical report. Survey services included location of utilities, storm structures and outfalls, pipe sizes and flow directions, transformers, pavement edges, lighting components and other pertinent features.
- Civil Site Design consisted of plans for the storm drainage system to convey runoff from the proposed development and outfall to an existing storm drain system. Storm drain profiles were prepared and coordinated with other site utilities and conformed with applicable standards. Incorporated into the plan was a Storm Water Management Design which satisfied regulating agency standards along with Best Management Practice. An Erosion and Sediment Control Plan was prepared and NPDES permitting was attained. Construction documents were prepared to be included in the Construction Plan package.
- At construction in 2017, field and laboratory materials testing and monitoring was provided for the site work, foundations, and concrete. Triad provided a Project Manager / Geotechnical Engineer to provide consultation and technical recommendations with regard to field and construction questions, attend progress meeting, coordinate scheduling, and to review daily field reports and laboratory data. Survey performed construction stakeout services for Hanger 2 as well as an As-Built survey for the building and utilities. Triad survey staff worked on site with Army Reservists during construction layout.

TRIAD ENGINEERING, INC.

I-79 Technology Park
Fairmont, WV



- Project Type: Commercial
- Fees: $4.3M+
- Regulatory/Permitting: USACE, NEPA EA, WVDOH, WVDEP, WV NPDES

THE PROJECT

The I-79 Technology Park is a +/- 400 acre research development park located on a site with a collapsed coal mine. In 2007 Triad was contracted to provide a geotechnical exploration, including underground utility design and foundation recommendations for the ISR Corporation building. The 263,000 square foot metal-skinned facility is comprised of reinforced concrete which was grouted with fly ash to stabilize the building footprint.

DESIGN SOLUTIONS

- In 2016, Triad prepared a Preliminary Road and Utility Plan for a collector roadway and utilities originating at NASA Boulevard.
- 2018 brought about new expansions to the project by extending the existing road infrastructure into an undeveloped phase. This expansion will make industrial sized building pads available to federal anchors. The scope of the work includes engineering services, earthwork, storm drainage construction, erosion and sediment control, paving and extension of underground utilities.
- Current construction includes approximately 1,545 linear feet of roadway and the installation of water and sewer lines and underground electric duct bank to serve three future building pads. With the completion of this project, approximately 7,944 linear feet of roadway and associated utilities will be constructed which will facilitate the construction of building pads. The federal anchors will make a capital investment through facilities and infrastructure and hire locally with the potential of creating almost 5,700 new jobs for the North Central West Virginia region.

PROJECT AND GOALS

Marina Tower and Upper Monongahela River Center

Approach & Methodology

We understand that communication is fundamental to a successful client relationship and project. We feel that over the years we have worked hard at exercising clear communication skills and it has translated into repeat work with many clients. A record repeat clients is included with this submittal. The following steps and tools are identified to as the means by which we plan to maintain clear communication with the West Virginia Army National Guard (WVANG).

Planning / Programming Tools

Paradigm believes that defining the problem is the single most important step towards designing and constructing a successful facility. This will be the ultimate purpose of a program of requirements. Paradigm uses a strongly interactive programming process that engages multiple project stakeholders in open communication. This programming methodology depends on interaction and exchange within a systematic process of establishing goals, collecting facts, uncovering concepts, determining needs, and stating the problem.

United States Department of Agriculture

Establishing a Project Schedule

With the Program completed, we will assist with establishing a Project Schedule. This will include the timeframe for the completion of the drawings and specifications as well as the projected Bidding period. Included in the process will be the submittal to the West Virginia State Fire Marshal's office for plans review. Finally, we will include the projected construction schedule with dates for Substantial and Final Completion.

Communication at the Highest Level

Paul A. Walker, AIA, NCARB, serves as Principal-in-Charge of all projects in the firm. He understands the requirements of the project and is committed to a successful completion. Paul is available at any time to address issues or answer questions related to any aspect of the project from design through construction. This is the policy we practice on all of our projects and are committed to the same at Buckhannon Readiness Center. As Project Manager, Todd Christopher will be continually active on the project and equally able to respond to concerns. This applies to our engineering consultants as well.

Regular Meetings

We have determined that regular meetings are critical to keeping communication fresh and maintaining accountability. We would propose meeting at two-week intervals. This applies to design and construction.

Utilize Tools of Technology

Tools of Technology offer opportunities to provide clarity and access to project information and thereby improve communication. We have utilized Building Information Modeling (BIM) for nearly a decade. BIM models are easily converted to AutoCAD-formatted files. This project documentation software also provides easy generation of 3D images to help communicate design intent. We use Sketch-Up Software for design studies. This program also yields informative images. Project Management software such as Procore or Newforma are becoming common in the industry and we routinely use these on projects. All of these tools have the potential to improve communication but often the best is simply picking up the telephone. We use this as well.

Paradigm Architecture is committed to serving the WVANG and clearly communicating all aspects of the work during the Planning, Construction Document, Bidding, and Construction Administration Phases.

Chestnut Ridge Church | Morgantown

Project Construction Period History

Project	Scheduled Completion Date	Actual
Beitzel Corporation Corporate Headquarters	July 2015	June 2015
Cacapon Resort State Park Lodge Expansion	TBD	TBD
Canaan Valley Resort State Park Renovations/Additions	October 2014	October 2014
City of Trussville Greenway Project - Phase 2	May 2008	May 2008
Coyote Logistics	March 2015	March 2015
Enterprise Rent-A-Car Group Operations Office Renovation	April 2009	April 2009
Marina Tower	October 2008	October 2008
Morgantown Event Center	February 2010	April 2010
Morgantown Event Center Garage	December 2009	February 2010
Pillar Innovations Office Building/Warehouse	September 2011	November 2011
U Club Sunnyside Student Housing	August 2016	August 2016
The Foundary - Men's Dorm	June 2016	June 2016
The Foundary - Women's & Children's Center Renovation	October 2009	October 2009
University Park Student Housing	August 2015	August 2015
University Place Parking Garage	September 2015	November 2015
US DOE	August 2009	September 2009
USDA	August 2009	August 2009
Waterfront Marriott	May 2017	May 2017
WVU College Park Student Housing	August 2014	August 2014
WVU Downtown Student Housing	May 2009	August 2009
WVU Parkersburg - Phase 1 (shell)	August 2013	August 2013
WVU Parkersburg - Phase 2 (fitup)	May 2014	June 2014
WVU Parkersburg - Phase 3 (casework)	May 2014	June 2014
WVU Transportation Center	October 2009	October 2009

Morgantown Waterfront Development

Project Construction Period Plan

Establishing a Project Schedule

With the Program completed, we will assist with establishing a Project Schedule. This will include the timeframe for the completion of the drawings and specifications as well as the projected Bidding period. Included in the process will be the submittal to the West Virginia State Fire Marshal's office for plans review. Finally, we will include the projected construction schedule with dates for Substantial and Final Completion.

Marina Tower

Step 1

Meeting a schedule for construction begins with identifying a completion date for drawings and specifications. In the case of this project, the design and document schedule must account for design revisions as directed by the Owner, completion of the construction documents and adequate time for both the update of the initial cost estimate and the final estimate prior to bidding. Time for meetings to review and approve these estimates must be allocated as well as resubmittal to the West Virginia State Fire Marshal's office. There should also be some contingency in the schedule for any changes or modifications based on cost or program changes. Discussion must include winter weather impact on overall schedule and liquidated damages.

Step 2

We will work with the timeframe identified by the West Virginia Purchasing Division for the bidding process. Advertisement of bids, mandatory pre-bid meeting, deadline for questions, issuance of Addenda, receipt of bids, review and award must be determined. We recommend that a contingency of time be budgeted to accommodate any unforeseen issues that arise during the bidding. Finally, there must be time scheduled for award of the contract by the State.

Step 3

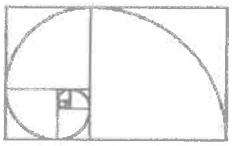
With the award of the construction contract, we will work with the contractor to establish a number of practices to make the project efficient.

a. Establish a regular schedule for on-site meetings at two-week or bi-monthly intervals.
b. Determine process for shop drawing submittals: Newforma, Procore, or other.
c. Determine process for Request for Information submittals.
d. Establish Pay Application review and approval process.
e. Identify a communication process to assure smooth operation of the existing lodge.

We understand that prompt action on the part of the design team and Owner is critical to steady progress by the Contractor. To that end, we strive to provide quick review of shop drawings and Requests for Information. We also want Owners to be aware of issues that require their action. It is also imperative that the Contractor produce a project schedule with critical path items and that the schedule be reviewed and updated at every project meeting. Accountability for recovery in the schedule must be maintained.

The Canaan Resort was an example of scheduling to deliver a project under challenging circumstances. Due to the extreme winter weather conditions, the project was ultimately separated into three bid packages. Early demolition of an old lodging building cleared the way for new construction. The second phase completed the grading, foundations, and structural steel prior to the harsh winter. This allowed the remaining construction documents to be completed, bid, and awarded for early Spring construction. With the steel in place, the construction moved quickly and the new additions were under roof prior to the next winter season.

Many of our recent projects have had completion dates that had to be maintained under any circumstance. Most of these were university student housing projects that involved leases established by the Fall Semester calendar. Under these circumstances, the projects had to be ready for occupancy or there would be significant financial hardship for the Owner. We have been able to successfully deliver these projects which include College Park ($32M), University Park ($75M) and UClub Sunnyside ($35M).



PARADIGM
ARCHITECTURE

2223 Cheat Lake Road, Suite 300

Morgantown, WV 26508

304.284.5015

www.paradigm-arch.com