



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

State of West Virginia
Centralized Expression of Interest
Architect/Engr

Proc Folder: 1511928

Doc Description: EOI: General Site Updates and Demo

Reason for Modification:

Proc Type: Central Contract - Fixed Amt

Date Issued	Solicitation Closes	Solicitation No	Version
2024-09-23	2024-10-10 13:30	CEOI 0403 DBS2500000002	1

BID RECEIVING LOCATION

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PURCHASING DIVISION
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WV PURCHASING
DIVISION

VENDOR

Vendor Customer Code:

Vendor Name : ZMM Architects and Engineers

Address :

Street : 222 Lee Street West

City : Charleston

State : WV Country : USA Zip : 25302

Principal Contact : David Ferguson

Vendor Contact Phone: 304.342.0159 Extension: 239

FOR INFORMATION CONTACT THE BUYER

Joseph E Hager III
(304) 558-2306
joseph.e.hageriii@wv.gov

Vendor
Signature X

FEIN# 550676608

DATE 10/9/24

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

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

(Printed Name and Title) David Ferguson, Principal

(Address) 222 Lee Street West, Charleston, WV 25302

(Phone Number) / (Fax Number) 304.342.0159 / 304.345.8144

(email address) ferguson@zmm.com

CERTIFICATION AND SIGNATURE: By signing below, or submitting documentation through wvOASIS, I certify that: I have reviewed this Solicitation/Contract 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contained herein; that this bid, offer or proposal constitutes an offer to the State that cannot be unilaterally withdrawn; that the product or service proposed meets the mandatory requirements contained in the Solicitation/Contract for that product or service, unless otherwise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 this bid or offer was made without prior understanding, agreement, or connection with any entity submitting a bid or offer for the same material, supplies, equipment or services; that this bid or offer is in all respects fair and without collusion or fraud; that this Contract is accepted or entered into without any prior understanding, agreement, or connection to any other entity that could be considered a violation of law; 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.

By signing below, I further certify that I understand this Contract is subject to the provisions of West Virginia Code § 5A-3-62, which automatically voids certain contract clauses that violate State law; and that pursuant to W. Va. Code 5A-3-63, the entity entering into this contract is prohibited from engaging in a boycott against Israel.

ZMM Architects and Engineers

(Company) 

(Signature of Authorized Representative)

David Ferguson, Principal

10/9/24

(Printed Name and Title of Authorized Representative) (Date)

304.342.0159 / 304.345.8144

(Phone Number) (Fax Number)

ferguson@zmm.com

(Email Address)

ADDENDUM ACKNOWLEDGEMENT FORM
SOLICITATION NO.:

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)

- ☐ Addendum No. 1
- ☐ Addendum No. 2
- ☐ Addendum No. 3
- ☐ Addendum No. 4
- ☐ Addendum No. 5

- ☐ Addendum No. 6
- ☐ Addendum No. 7
- ☐ Addendum No. 8
- ☐ Addendum No. 9
- ☐ Addendum No. 10

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

ZMM Architects and Engineers

Company



Authorized Signature

October 9, 2024

Date

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



EXPRESSION OF INTEREST

To Provide Professional
Architecture/Engineering Services:

**WEST VIRGINIA SCHOOLS
FOR THE DEAF AND THE
BLIND**

**GENERAL SITE UPGRADES AND
DEMOLITION**

DBS2500000002
OCTOBER 10, 2024

ZMM.COM

October 10, 2024

Josh Hager, Buyer
Department of Administration, Purchasing Division
2019 Washington Street East
Charleston, WV 25305



Subject: CEOI 0403 DBS2500000002 Expression of Interest for design services, construction bidding documents, and contract administration for the WV Schools for the Deaf and Blind - General Site Upgrades and Demolition

Dear Mr. Hager:

ZMM Architects and Engineers is pleased to submit this expression of interest to demonstrate our experience and qualifications to provide professional design services, construction bidding documents, and contract administration for the WV Schools for the Deaf and Blind for general site upgrades and demolition.

In the information below and within this proposal, you will find relevant qualifications of the ZMM team that will lead to the continued successful implementation of your projects.

Company Overview

Established in 1959, ZMM is a West Virginia-based, full-service architectural and engineering firm focused on excellence in design and client support. We pride ourselves in maintaining many longstanding relationships with county boards of education and we have the right combination of technical expertise and education design to assist with your needs. Our integrated design approach makes ZMM unique and our ability to provide comprehensive design services has made us a trusted resource with educational partners throughout the state.

Project Experience

Our experience with the West Virginia Schools for the Deaf and Blind encompasses emergency repairs to Seaton Hall, renovations of the Blue and Gold Building, Arnold Hall, and Keller Hall, as well as window and roof replacements for the PE Building and various other campus enhancements. Additionally, we have developed a Comprehensive Educational Facilities Plan and a Campus Master Plan.

We have extensive educational experience and have provided exceptional customer service to clients for a variety of renovation and new construction projects. Some of our recent related experience includes the demolition of the old facility and the design of a new campus for Stratton Elementary School and the design of supply line for domestic and fire protection water service for five buildings throughout the Woodrow Wilson High School campus.

We are confident that our prior experience working with you and other educational partners throughout the state, along with our capacity to provide both architectural and engineering services in-house, will enable ZMM to continue delivering successful projects and outstanding client support to the WV Schools for the Deaf and Blind.

Team Expertise

With a team of more than 65 employees, ZMM offers a comprehensive, in-house approach to building design services, encompassing architecture, engineering (structural, mechanical, and electrical), interior design, and construction administration. Our engineers are leaders in the industry, shaping strategies and best practices for design challenges. Our architects, engineers, and designers are highly skilled and have a track record of successfully collaborating on projects of similar scope and complexity. Once your project team is assigned, these key members will work with you and the project committee from start to finish.

Thank you for taking the time to review our information formatted as requested. Our project experience, team expertise, and approach are contained in this letter and more details about our team and references are attached. You can explore our full range of projects and learn about working with ZMM from a client's perspective on our website at zmm.com.

BLACKSBURG
VIRGINIA

CHARLESTON
WEST VIRGINIA

MARIETTA
OHIO

MARTINSBURG
WEST VIRGINIA

ZMM.COM

We appreciate your consideration for your upcoming projects that are a part of your request for professional design services, construction bidding documents, and contract administration. We look forward to the opportunity to continue our collaboration with West Virginia Schools for the Deaf and Blind.

Respectfully submitted,
ZMM Architects and Engineers

A handwritten signature in blue ink, appearing to read 'D. Ferguson', with a long horizontal line extending to the right.

David Ferguson, AIA, REFP
Principal

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1.

FIRM PROFILE

ABOUT ZMM ARCHITECTS & ENGINEERS

ZMM was founded in 1959 in Charleston, West Virginia by Ray Zando, Ken Martin, and Monty Milstead. Since the inception of the firm, ZMM has been dedicated to providing an integrated approach to building design for our clients.

ZMM delivers this integrated approach by providing all building-related design services, including architecture, engineering (civil, structural, mechanical, and electrical), interior design, and construction administration with our in-house team. Our integrated design approach makes ZMM unique among architecture/engineering firms, and helps to ensure the quality of our design solutions by providing more thoroughly coordinated construction documents.



ZMM has maintained a diverse portfolio since the founding of the firm. Early commissions included higher education projects for West Virginia University and Concord College, WV State Capitol Complex Buildings 5, 6, & 7, and armories for the West Virginia Army National Guard.

Maintaining a diverse practice for more than 60 years has provided ZMM with extensive experience in a variety of building types, including educational facilities, governmental facilities (military, justice, correctional), healthcare facilities, recreation facilities, commercial office space, light industrial facilities, and multi-unit residential buildings.

The original partners transferred ownership of the firm to Robert Doeffinger, PE and Steve Branner in 1986. Mr. Doeffinger and Mr. Branner helped guide and expand the firm to 35 staff. Over the past 20 years David Ferguson, AIA, and Adam Krason, AIA, LEED-AP joined in ownership of the firm 20 years ago. Randy Jones joined the firm in a leadership role when ZMM acquired Blacksburg-based OWPR Architects & Engineers in 2020 to create a regional design firm that employs more than 65 highly-skilled professionals.

ZMM has become a leader in sustainable / energy-efficient design, and a trusted resource on complex renovation projects. ZMM's unique renovation project approach and ability to



About ZMM Architects & Engineers (cont.)

provide comprehensive design services has also led the firm to be selected to improve landmark buildings, including the Charleston Coliseum & Convention Center, the Clay Center for the Arts and Sciences, the West Virginia Culture Center, and the West Virginia State Capitol Building. Additional significant projects designed by the firm include the Explorer Academy (Cabell County Schools), the Logan-Mingo Readiness Center, the Manassas Park Community Center and Natatorium, the design of the Fourth High School (Frederick County Public Schools), the new Harrington Waddell Elementary School (Lexington City Schools), CAMC Teays Valley ICU, and Ridgeview Elementary School (Raleigh County Schools). ZMM has also provided design services on more than 300 school projects throughout the region.

ZMM's building-related design services include:

Pre-Design

Educational Facility Planning
Existing Building Evaluation
Space Planning
Master Planning

Programming
Feasibility Studies
Site Evaluation and Analysis
Construction Cost Estimating

Design

Architectural Design
Interior Design
Lighting Design

Sustainable Design
Landscape Architecture

Engineering

Civil Engineering
Mechanical Engineering
Energy Consumption Analysis

Structural Engineering
Electrical Engineering
Net-Zero Buildings

Post-Design

Construction Administration
Life Cycle Cost Analysis

Value Engineering
Post-Occupancy Evaluation

As ZMM looks to the future, we remain committed to providing high-quality, client-focused design solutions that meet budget and schedule requirements. We listen, respond promptly with innovative and efficient solutions, and deliver quality projects and develop lasting relationships. Because at ZMM, it's about more than architecture, it's about building your legacy.



AWARD WINNING DESIGN

2020

AIA West Virginia Chapter: Merit Award
Achievement in Architecture for New Construction
Mountain Valley Elementary School
Bluefield, West Virginia

AIA West Virginia Chapter: Merit Award
Achievement in Architecture
Ridgeview Elementary School
Crab Orchard, West Virginia



2019

AIA West Virginia Chapter: Honor Award
AIA West Virginia Chapter: Citation Award
AIA West Virginia Chapter: People's Choice Award
Charleston Coliseum & Convention Center
Charleston, West Virginia



2018

AIA West Virginia Chapter: Citation Award
Unbuilt Project
Charleston EDGE
Charleston, West Virginia



2017

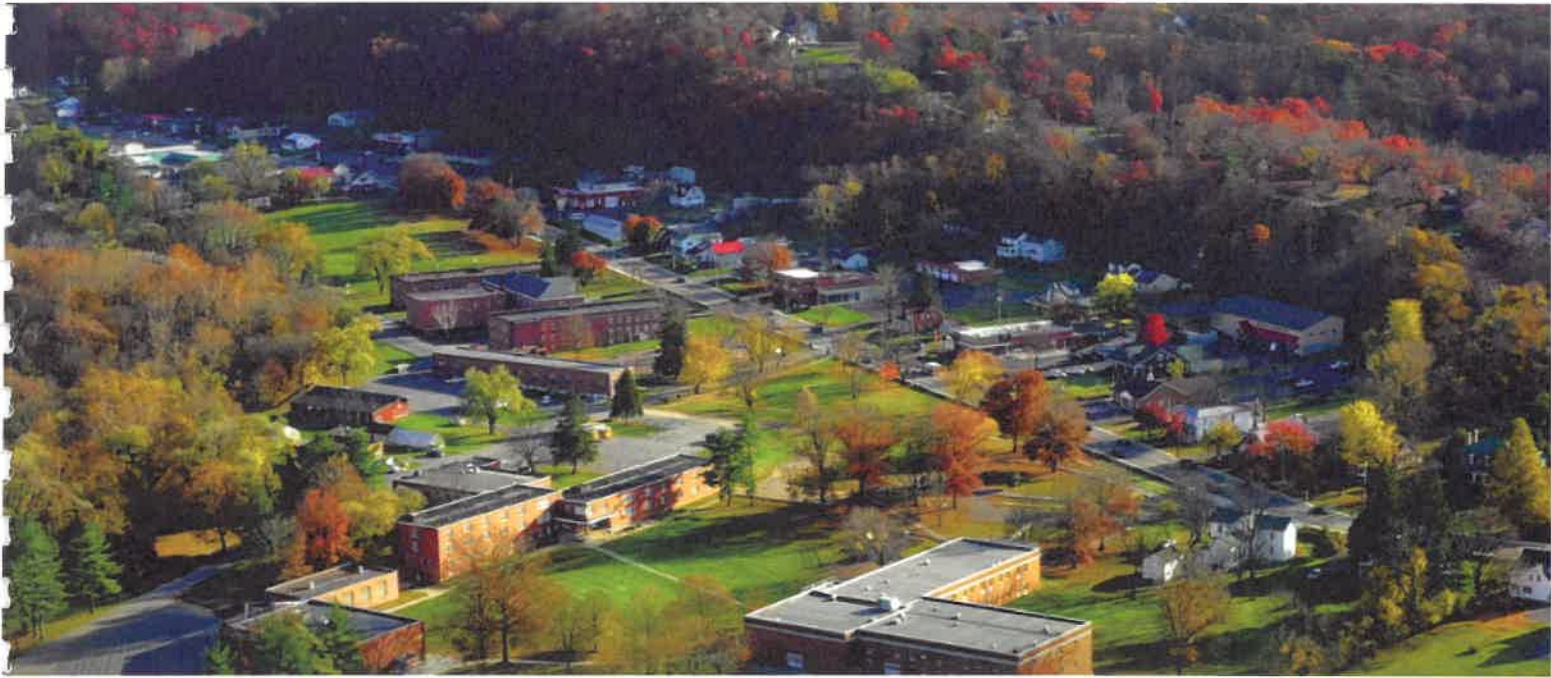
AIA West Virginia Chapter: Merit Award
Achievement in Architecture
Explorer Academy
Huntington, West Virginia

AIA West Virginia Chapter: Merit Award
Achievement in Sustainability
Logan - Mingo Readiness Center
Holden, West Virginia



2016

AIA West Virginia Chapter: Merit Award
Achievement in Architecture in Interior Design
Christ Church United Methodist
Charleston, West Virginia



2.

PROJECT APPROACH

PROJECT APPROACH

Project Understanding

ZMM also understands that the following issues specific to the West Virginia Schools for the Deaf and the Blind campus need to be investigated to help fully develop/reconcile the scope and budget for the project.

- Design and install storm, sanitary, and water line and fire hydrant upgrades and improvements across the campus.
- Demolish the following structures: Old Greenhouse, Food Storage, Central Supply, Transportation Building, Fish House, Freight Building, Boiler House, and Hines Hollow House. The site will be repaired to match campus environment once buildings are demolished.



West Virginia Schools for the Deaf and the Blind
Achieve. Challenge. Thrive.

Project Approach

As a full-service design firm, ZMM employs all disciplines in-house to undertake the maintenance projects outlined in the request for expression of interest. If selected to provide services for the project, ZMM would set up teams under the direction of Principal David Ferguson, AIA. Mr. Ferguson has considerable experience and a history of working closely with the West Virginia Schools for the Deaf and the Blind. The team would also include architectural team members, Senior Architect Chris Campbell, AIA, and Project Architect Daniel Banker, AIA, to serve as project architects. Senior Mechanical Engineer John Pruett, PE, will oversee the campus storm, sanitary, and fire hydrant upgrades. Bill Shelton, PE, will provide site layout. Frankie Kantsios, PE, electrical engineer, will participate in any electrical considerations during building demolition. This approach will provide WVSDDB with a single, central point of contact for the design work, while simultaneously allowing all the work to progress on time and within budget.

Site utility and demolition projects require a unique approach. The most significant challenge with a complex existing site is clearly locating in situ utilities to limit unnecessary disturbance and cleanly tying in new work to old. ZMM is uniquely positioned to deliver on this project due to our extensive experience with the WVSDDB campus and our relationships with competent local surveyors who also have familiarity with the campus through previous ZMM projects. ZMM will leverage the information gained through thorough investigation with a team of architects, engineers, and surveyors to create a project scope and confirm that the scope can be completed within the available budget. ZMM would begin the project by meeting with your representatives at the WV Schools of the Deaf and the Blind and their team to discuss phasing, the scope, and vision for the project. The team would also review any historic documentation and existing drawings.

Following the kick-off meeting, ZMM would conduct a detailed investigation of each building to be demolished and review of the survey with our team that would include (at a minimum) the principal, an architect, civil engineer, plumbing engineer, and electrical engineer. The investigation would include (but not be limited to) the following.

- Existing utility conditions
- Documentation of recent utility work
- Plans to tie new work into old
- Electrical service and distribution
- Storm, sanitary, water, and fire hydrant requirements



- Coordination with municipal departments
- Phasing to minimize disturbance to school schedule
- Extents of building demolition
- Asbestos and lead abatement
- Requirements to return demolition sites to match surrounding areas

Based upon our extensive site utility experience, ZMM Architects and Engineers has developed comprehensive assessment tools for building such projects, and we would employ our knowledge developed on other recent utility projects to your benefit. Based upon the field investigation, ZMM will develop recommended solutions with a focus on durability and maintainability. Itemized cost estimates will also be developed for various options.

The recommendations and estimates will then be reviewed with the WV Schools for the Deaf and the Blind to develop a strategy to implement the required scope of work. The result is an assessment that has been reviewed by all project stakeholders and all review agencies, ensuring that the scope of work and budget have been resolved prior to proceeding into the construction document and bidding phase.

Once the strategy is developed and agreed upon, ZMM will coordinate the plan with the authority having jurisdiction (WV State Fire Marshall's Office). Documentation of this coordination would be recorded to avoid any issues during the construction phase. ZMM would then commence with developing contract documents (bidding and construction documents) for the improvements.



ZMM commits to delivering both the initial assessment and final bid documents within the time frame set forth by the project criteria. Our ability to provide all services in-house allows us optimum control of the design schedule and has led to a history of successful performance on projects with challenging schedules.

ZMM will continue to provide services with the same team during the bidding phase. Our team will attend the pre-bid meeting and assist in answering all bid questions.

The efforts of ZMM's architects and engineers will continue through the construction phase until the final completion of the project. ZMM will have a continued focus on quality throughout the construction phase by utilizing a dedicated construction administrator to coordinate the design team's effort throughout the construction process. The architects and engineers on the design team will also provide construction phase services including observation, responding to contractor questions, review of project submittals, attend progress meetings, make interim site visits, and provide substantial and final completion inspections. This approach will improve the communication and coordination between ZMM, the WV Schools for the Deaf and the Blind, and the contractor, and will ultimately lead to an improved construction phase. ZMM also recommends an 11-month inspection to ensure the integrity of the completed improvements.

ZMM will keep accurate records during construction and require the contractor to note any changes during the daily construction process. After the construction is complete, ZMM will meet with the contractor to review any final modifications and then complete any changes into a final set of documents for the owner to keep as well as requiring the contractor to furnish the owner a set of operational manuals with contacts and warranty information.

Project Goals

The West Virginia Schools for the Deaf and the Blind and the West Virginia Board of Education have established goals and objectives for the projects listed below. ZMM will follow the project approach as outlined above; review design solutions / discuss manufacturer / product preferences with WVDE project representatives, prepare bid documents, manage the bidding process, perform construction administration, and include the following steps for each project.

Goal/Objective #1: Design and install storm, sanitary and water line and fire hydrant upgrades and improvements. To achieve this goal and objective, ZMM will document and review existing conditions to avoid unnecessary site and utility disturbance. ZMM will obtain a topographic survey and geotechnical investigation utilizing ground penetrating radar and similar technologies to evaluate existing subsurface conditions and provide site specific design recommendations for locating of new utilities. In coordination with the School, ZMM will recommend phasing options to limit disruption to student's schedules.

Goal/Objective #2: Demolish the following structures and repair site match surrounding campus: Old Greenhouse, Food Storage, Central Supply, Transportation Building, Fish House, Freight Building, Boiler House, and Hines Hollow House. To achieve this goal and objective, ZMM will document and review existing conditions including testing for asbestos and lead. ZMM will meet with project stakeholders to discuss the best methods to remove the existing structures including staging and phasing while limiting disturbance to the surrounding campus and the student's schedules and meeting the school's needs and budget.

ZMM's experience working with WVSDB

Through many projects and over many years, ZMM has accumulated wide knowledge and experience of the existing facilities of the West Virginia Schools for the Deaf and the Blind (WVSDB) and are proud to have assisted in improvements to the aesthetic quality of the campus.

ZMM has and continues to work with the campus administration and staff on the projects listed below.

Blue and Gold Building Renovation (target completion November 2024)

This project saw the complete renovation of this pre-Civil War single-story building and prepared it for its new life as administration offices and student activity spaces. The work included all new building systems consisting of plumbing, HVAC, electrical, data/communications, fire alarm, and fire suppression. The project also included extensive rework of adjacent utilities including storm, sanitary, water and fire hydrant lines.



Campus Upgrades (target completion 2025)

After the Administration Building burned, the school and community felt that the now vacant space on campus deserved special consideration. ZMM was brought on to do an extensive rework of the school's entrance around the site of the old Administration Building and add a new memorial to remember this historic building and commemorate the previous students that called the school home. This project also included an outdoor classroom and greenhouse and extensive utility improvements at both the entrance and quad.

P.E. Building Window and Roof Replacement (target completion December 2024)

This project replaced all the existing glass block windows with stunning new aluminum storefront featuring tinted grey and blue glazing. Alongside the windows, the building also received all new interior and exterior doors, a new EPDM roof with improved insulation as well as an asbestos abatement that allowed for the installation of new LVT flooring in various rooms.

Keller Hall Reroof (completed Spring 2024)

This project encompassed a new EPDM roof and improved insulation as well as new scuppers and roof ladder.

Keller Hall Kitchen and Building Renovations (Completed 2019)

This project included renovation of the ground floor to house a new commercial kitchen for the dormitory and renovations to exterior doors, interior finishes, and exterior site ramps.



Seaton Hall Renovations and New Walk-in Freezer (Completed in 2019)

The project included new exterior ADA ramps, exterior stairs, and construction of a new walk-in freezer.



3.

RELEVANT EXPERIENCE



WEST VIRGINIA SCHOOLS FOR THE DEAF & THE BLIND

LOCATION	SIZE	COMPLETION	COST
ROMNEY, WV	300,000 SF	2019	\$2M

Per the direction of the WV Board of Education and the WV School Building Authority, the West Virginia Schools for the Deaf and the Blind completed the task of creating a Comprehensive Educational Facility Plan (CEFP).

ZMM combined forces with Dickinson & Partners, a firm specializing in special-needs architecture, to understand the requirements and challenges faced when designing for the deaf and blind student population. The purpose of the CEFP is to provide the owner a long-range plan that addresses the requirements for new construction and major renovations. Comprehensive planning is a way of identifying the best route to the future through a workable plan for handling priority-related and anticipated changes. The CEFP defines ultimate goals for the institution and accounts for the facilities required to achieve these goals. The goals are defined, then realized through several phases of construction, if necessary.

Once the planning effort was complete, ZMM designed several improvements that were implemented by the WVSDB and the Department of Defense. The scope of work included restroom and dormitory renovations, as well as masonry restoration and roofing replacement.





HIGHER EDUCATION CAMPUS DEVELOPMENT PLANS

LOCATION: WEST VIRGINIA | COMPLETION: 2012 - PRESENT

ZMM Architects & Engineers has created Campus Development Plans (often referred to as Master Plans) for a variety of institutions throughout West Virginia.

These plans have been developed for:

- West Virginia State University (in association with TERRADON)
- New River Community and Technical College
- Southern West Virginia Community and Technical College
- BridgeValley Community and Technical College

Details of these plans are as follows:

West Virginia State University

ZMM Architects & Engineers, in conjunction with BSP and TERRADON, were selected to develop a 10-year Campus Development Plan for West Virginia State University's campus in Institute, WV. The project commenced with a review of all existing information available about the campus and targeted facilities. Following the stakeholder meetings, ZMM conducted building assessments of the major academic buildings, as well as the kitchen adjacent to the main dining area. This information was supplemented by a recent campus building inventory that had been conducted. The information gathered through this variety of activities was



Higher Education Campus Development Plans (cont.)

then synthesized into an overall campus development plan. The plan, which covers a 10-year period, projects the need for new construction, property acquisition, site improvement and building renovation, and includes a phased approach for the implementation of campus improvements. The document is supplemented with a visual master plan that reflects the implemented improvements.

New River Community and Technical College

ZMM Architects & Engineers worked with New River Community and Technical College to develop a Master Plan that improved the efficiency of space usage across the school's four campuses:

- Raleigh County (including Ghent ATC)
- Lewisburg
- Princeton
- Summersville

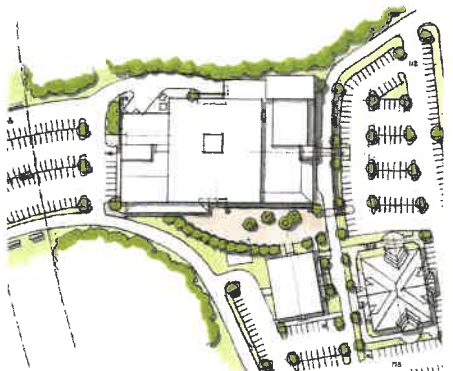
When the plan was completed, New River Community and Technical College had elected to reduce their overall footprint from 14 to 7 facilities. This improved the efficiency of space usage from 262 SF/FTE to 190 SF/FTE. ZMM visited the remaining facilities to develop a plan to address deferred maintenance issues. The plan also anticipated a modest addition to the facility in Summersville to accommodate several programs that are currently housed off-site.

Southern West Virginia Community and Technical College

ZMM Architects & Engineers commenced the Southern WVCTC master planning process by having a team of architects and engineers visit all of the campuses and sites:

- Logan Campus
- Williamson Campus
- Boone Campus/Lincoln Site
- Wyoming/McDowell Campus

Following these campus visits, ZMM conducted stakeholder meetings at each location. At the meetings stakeholders discussed positive attributes, challenges, and needs for each facility and campus. Following the stakeholder meetings, an Executive Steering Committee was convened to review the outcomes of the stakeholder meetings, and to assist

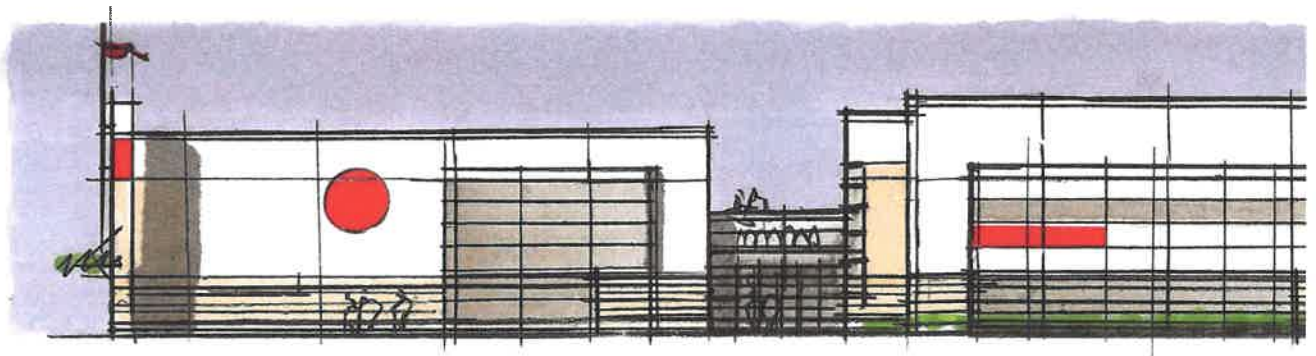
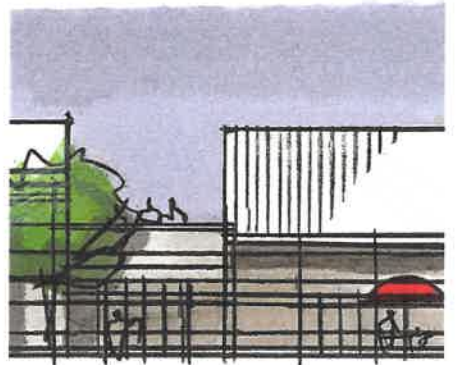
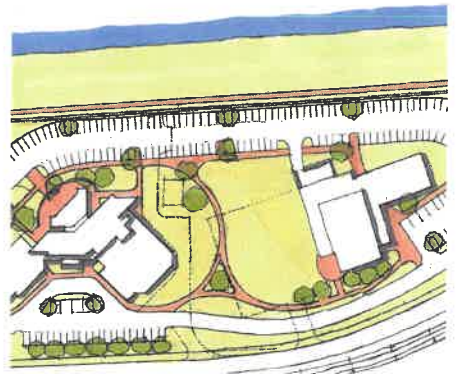
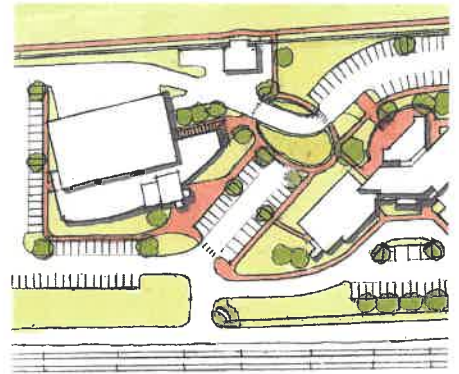


Higher Education Campus Development Plans (cont.)

in developing an overall strategy and framework for the plan. Based upon these meetings, several themes emerged that helped guide the development of the Master Plan. It was determined that the plan would include standards for signage, lighting, and exterior finishes. Additionally, although a significant expansion of facilities is not envisioned, the Master Plan will include the potential development of a new facility on property that has already been acquired adjacent to US 119. This new facility will replace the Boone County Campus, which is currently located in a shared facility with the Boone County Career and Technical Center. The new facility would serve as a gateway to Southern's other facilities, and the location on US 119 will give the College the opportunity to draw additional students from the greater Charleston area. Due to the scope of the development of this new facility, the Master Plan includes a strategy to address improvements both with and without the new Boone County Campus. Other potential improvements included updating Southern's two largest facilities - Building 'A' on the Logan Campus, and the Main Building on the Williamson Campus, as well as the development of *Student Success Centers* on all campuses (starting in Logan).

BridgeValley Community and Technical College

ZMM Architects & Engineers has produced several Campus Development Plans for BridgeValley CTC (previously Bridgemont CTC and Kanawha Valley CTC). The master plan includes assessments of existing facility conditions on the Montgomery and South Charleston Campuses, including deferred maintenance, building code issues, and energy efficiency. An analysis was included that identifies current and future space needs, parking requirements, current land use and future property acquisition, infrastructure development, sustainability, landscaping, and pedestrian circulation. The plan also includes project budgeting and a multi-year capital improvement plan. An assessment of the impact of projected enrollment and demographic changes on facilities was provided along with a delineation of how the campuses will interact and support each other and improve efficiency. Recent updates have included additional investigation of existing facilities on the Montgomery Campus and in the historic Elk City neighborhood on Charleston's West Side, as well as the Stone & Thomas Building in downtown Charleston.





WV SCHOOL OF OSTEOPATHIC MEDICINE

LOCATION: LEWISBURG, WV | SIZE: VARIOUS | COMPLETION: ONGOING

The Main Building for the West Virginia School of Osteopathic Medicine was originally built in the 1920's with numerous additions and alternations over the years.

The Main Building was built with 5 major pods and enclosed corridors connecting the pods into one large multistoried building that includes offices, classrooms, library, and meeting rooms. The building's brick and stone exterior is old, some more that 90 years old, and exhibits deterioration from the effects of exposure to the exterior elements.

The brick and stone exterior shows deterioration of the mortar joints and various cracks from expansion and contraction from temperature change and freezing. The steel lintels above doors and windows exhibit rusting, some have rusted enough to cause structural damage to brick or concrete header. Concrete, cement plaster elements along with metal flashing also show some deterioration and are in need of repair. ZMM produced construction documents to clean and repair all deteriorated portions of the building's exterior. These documents show all the building's exterior condition and include details, specific repair instructions and quantities of repair work for the entire building.

In 2021 the Main Building received a roof replacement.



WV School of Osteopathic Medicine (cont.)

Robert C. Byrd Clinic: Interior Renovation

The interior renovation to the Robert C. Byrd Clinic, a non-profit organization affiliated with WVSOM. The project includes renovation of 1,075 SF of existing administrative area which included two offices and a large open office area. ZMM renovated this area to provide three offices and paired exam rooms along with a reception area and waiting room for psychiatric / behavioral health services. Reworking of the existing building systems; HVAC, electrical, lighting and fire suppression systems were also included in the scope of work. The Robert C. Byrd Clinic also had a roof replacement.

Main Building and Robert C. Byrd Clinic: Waterless Fire Suppression

Another project ZMM completed was the addition of a waterless fire suppression system for the server rooms in the Main Building and the Center for Technology and Rural Medicine. The renovation included sealing the interior perimeter of each server room and the installation of a fire suppression system that protected inside the room, above the acoustical ceiling and below the raised computer floor. The new system connected to the existing fire alarm control panel, has disconnects that shut down air conditioning units, and are connected to a roof mounted exhaust fan for purging the room after discharge.

Tech Center Expansion - Testing Center

The Testing Center is designed to accommodate 220 students and will connect the Center for Technology and Rural Medicine (Tech Center) and the Clinical Evaluation Center (CEC). The main Testing Center space is being designed to support student achievement by limiting visual and auditory distractions. The interior environment is also designed to create a calming or contemplative space for WVSOM students. The Testing Center has two entry vestibules on either side of a registration desk, which is separated from the proctor area by a technology room. The project includes reconfiguring office space in the Tech Center for Pre-Clinical Education and Information Technology, while the addition provides expansion office space for Information Technology and new offices for the Exam Center.

Additional Projects:

Facilities Master Plan

Green Space at Campus Entry

Alumni Center - HVAC and Roof Replacement

Stookey Library - Roof Replacement

Tech Center - Natural Gas Generator





MARSHALL UNIVERSITY MULTIPLE PROJECTS

LOCATION | SIZE | COMPLETION
HUNTINGTON, WV | VARIOUS | ONGOING

ZMM has significant experience providing Architectural and Engineering services to Marshall University.

Smith Hall Renovation

This 22,000 SF renovation project was completed in 2017 and included interior finish and acoustical upgrades to improve the quality of the music practice rooms and additional performance areas. ZMM worked closely with Marshall University professors to determine the correct acoustics to meet the accreditation needs for the college. Taking inspiration from The Thundering Herd, the building was transformed with a mature palette and pops of green. Interior improvements included replacement of ceilings in areas that were affected by the HVAC replacement. Existing ceilings in the practice rooms received a sound blanket barrier and acoustical coating to improve the performance of the space. Paint, carpet and acoustical wall treatments were also installed.

Mechanical system improvements were implemented to correct issues of the aging HVAC system, which was a high-energy user. ZMM converted the system to VAV by installing terminal units with SCR electric reheat. A smaller electric coil provided enough electrical capacity to power the terminal reheat. ZMM retained the fan wall and chilled water coil and installed DDC controls. Dehumidification was provided by a gas-fired humidifier to maintain stable humidity. Additional projects at Smith Hall Include:

- Building Assessment
- Cooling Tower Replacement
- Underground Chilled Water Piping



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ZMM
ARCHITECTS
ENGINEERS

Marshall University (cont.)

- Retrofit AC Smith Hall Music Building - Dual Duct VAV Humidified Building

Drinko Library

- Mechanical and Electrical Assessment in 2022
- Cooling Tower

Morrow Library

- Underground Chilled Water Piping

IT/OT Security OP Center

- Development of the New Cyber Security Command Center

Sorrell Maintenance Building

- Air Conditioner Replacement

Applied Engineering Building

- Chiller Consulting

Pritchard Hall

- Chiller Replacement





BRIDGEVALLEY COMMUNITY & TECHNICAL COLLEGE DAVIS HALL

LOCATION	SIZE	COMPLETION	COST
MONTGOMERY, WV	77,215 SF	2012	\$4M

ZMM was selected by BridgeValley CTC and the WV Community and Technical College System to provide architectural and engineering design services for the renovation of Davis Hall.

Davis Hall is a classroom and laboratory facility originally constructed in 1970 for WVU Tech. The exterior consists of architectural pre-cast concrete panels and a curtain wall system. The interior includes an open, two-story atrium, large auditorium, and five levels of office and classroom space that are constructed of demountable partitions. Prior to commencing the design effort, ZMM completed a thorough assessment of the facility. The assessment revealed significant life-safety concerns that were not previously identified, including the use of non-plenum rated plastic insulated wiring throughout the return air plenums, mechanical units located above ceilings in exit stairs, and a lack of adequate fresh air for building occupants. As part of this initial assessment, ZMM assisted in developing a scope of work for the renovation project, as well as a long-range plan for future improvements.

The scope of the renovation included life-safety upgrades (replacing non-plenum rated wiring and fire alarm system), improvements to the building envelope (replacing curtain wall and roofing), hazardous material abatement, mechanical improvements (replacing boiler, chiller, and outdoor air ventilation system), and interior improvements (replacing ceilings and lighting, upgrading furnishings).





WOODY WILLIAMS CENTER FOR ADVANCED LEARNING AND CAREERS

LOCATION	SIZE	COMPLETION	COST
BARBOURSVILLE, WV	230,000 SF	TBD	\$40M EST.

The new Cabell County Career and Technology Center is one of six projects funded through a bond passed by Cabell County voters in 2020.

This project was renamed the Woody Williams Center for Advanced Learning and Careers and converts the existing abandoned 230,000 sf SEARS Store at the Huntington Mall. This innovative educational center will help prepare students for the workplace through a variety of pathways in career and technical fields.

The facility will be host to more traditional programs such as Auto Mechanics, Collision Repair, Welding, Machine Tool Technology, HVAC, Electrical, Carpentry, Building Facility Maintenance, Masonry, Plumbing, Culinary Arts, and Cosmetology. In addition to the traditional programs' students will have the opportunity to explore other options such as Vocational Agriculture, Graphic Design, Law and Public Safety, Medical Assisting, LPN, Coding, and Aerospace Engineering. Students will also have the option to take associated classes at their home high school or have the option to remain at the Career Center the entire day and take all their classes at that location.

The facility will also have a Multipurpose Room so students can meet all their PE credits, Meeting Rooms for events and county wide meetings, and a full Kitchen and Dining area for students as well as a rooftop dining space. Collaborative spaces for students to gather are scattered throughout the facility. Graduates can also attend as a year fourteen student and participate in several selected programs. The facility will also be open after school hours for hobby classes and adult programs.



Woody Williams Center (cont.)

The existing painted masonry façade will be clad in multicolored metal panels and horizontal windows. The existing main entrances will be removed and reimagined with a two-story glass façade that stretches into the existing building and terminates into a lecture stair adjacent to a live green wall. The two-story entrance corridor will be the focal point of the interior space, highlighting the classrooms that overlook the entrance corridor. All classrooms and lab areas will have a glass entrance to showcase the technology and career learning that goes on inside the space.

This is a groundbreaking project for Cabell County Schools and education design in West Virginia that reimagines an abandoned retail store into a career academy showcasing technology and career education for high school students and adult education.





STRATTON ELEMENTARY SCHOOL

LOCATION BECKLEY, WV	SIZE 58,785 SF	COMPLETION 2024	COST \$17M
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The new Stratton Elementary is a state-of-the-art school with strong ties to the past. The new elementary school serves 260 students in grades pre-kindergarten through fifth grade.

Originally built as the segregated Stratton High School for black students, the school has a tribute space to educate students and visitors about the original school, with a terrazzo floor depicting a map of the area and a diagram of the original school plan. The main corridors are tall, grand spaces with clerestory windows and metal-slat ceilings that emulate wood planks. Vertical columns give order to the space and the playful terrazzo floors showcase colorful paw prints of the school's mascot, the bulldog.

The school features a full-size gymnasium and a cafeteria, and between is an elevated music classroom that can be opened to either side. The school also features a STEAM/robotics classroom, a library/maker space, and is designed with energy-efficient ICF exterior walls and durable concrete block construction. The exterior showcases three entrances. The front entrance showcases a two-story radial element with translucent canopies. The bus loop features a long canopy with blue translucent polycarbonate roof panels, and the third entrance serves as a public entrance during functions. The school features high-tech play equipment, such as a timed 40-yard dash area and a digital 4-way soccer arena. An outdoor basketball court and an open park area occupy the space of the original school.





SOUTHSIDE ELEMENTARY / HUNTINGTON MIDDLE SCHOOL

LOCATION	SIZE	COMPLETION	COST	AWARDS
HUNTINGTON, WV	158,194 SF	2010	\$27M	2011 AIA WV HONOR AWARD

ZMM designed the facility to maintain the historic character of the façade and auditorium, while replacing the remainder of the school. The community has maintained a landmark, while developing state-of-the-art schools.

The two schools that previously occupied the site of the Southside Elementary School and Huntington Middle School were Cammack Elementary School and Cammack Middle School. The facility houses a combined 1,014 elementary and middle school students. When the Cabell County Board of Education proposed a \$61 million bond issue in 2006, the Huntington community expressed the importance of saving this neighborhood landmark. The facilities were designed to blend with the architectural character of the existing facility. More than 70% of the existing building was demolished and the portion remaining was completely renovated. Two stair towers provide a vertical architectural element that separates the existing structure from the new construction. The result is a cohesive design that blends the unique elements of the former school into a modern educational complex.

Although the facility houses both an elementary and a middle school, each have their own distinct entrance and administrative complex and the students remain physically separated on opposite sides of the facility. The schools only share a kitchen, which has been located to serve separate dining facilities.





CEDAR GROVE ELEMENTARY SCHOOL

LOCATION	SIZE	COMPLETION	COST
CEDAR GROVE, WV	VARIES	2024 EST.	\$12M EST.

Cedar Grove Elementary required the demolition of the original 2-story classroom building and renovations and additions to the 2-story classroom wing.

Cedar Grove Elementary School is located on a 10-acre site shared with Cedar Grove Middle School. The schools are connected, and contain 101,200 SF. The facility was originally constructed in 1954 as Cedar Grove High School. As a result of demographic changes in the community the high school transitioned to a "community school" and is currently a separate elementary school (serving PK-5) and a middle school (serving 6-8). The enrollment at Cedar Grove Middle School is currently 168, while the enrollment at Cedar Grove Elementary School is 215. The facility is grossly oversized and inefficient for the current enrollment.

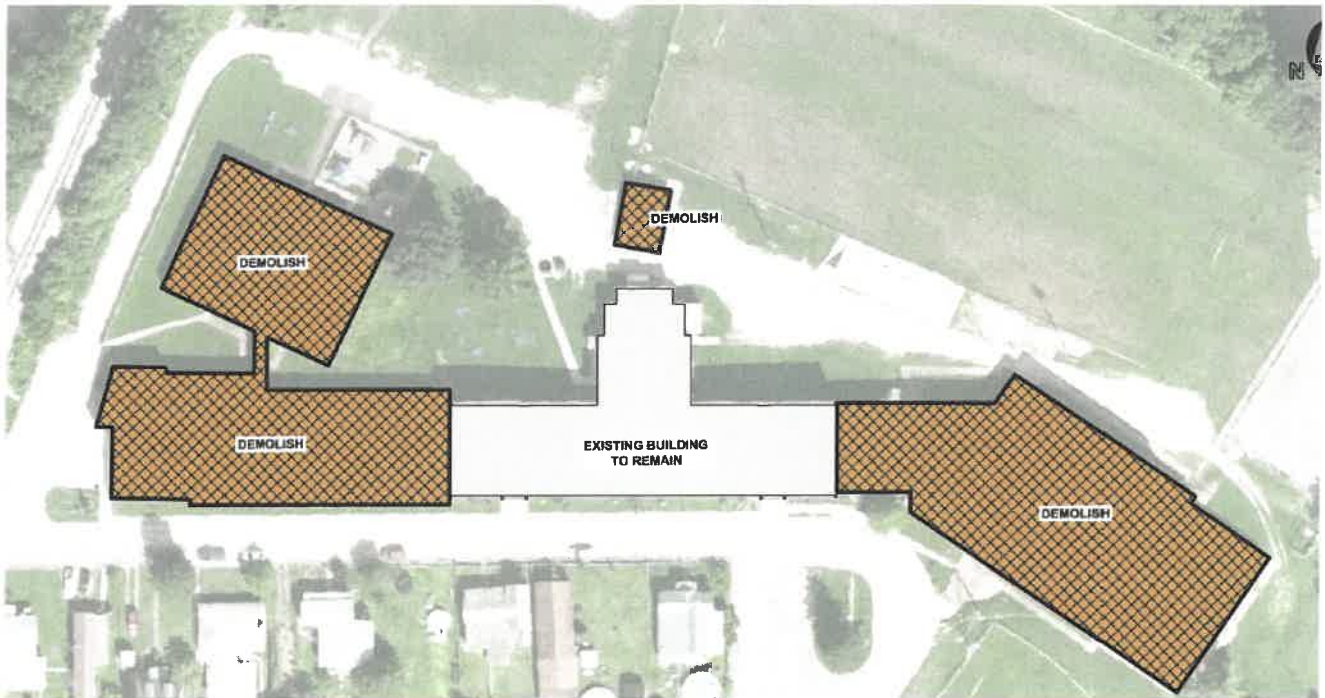
The project required the demolition of nearly 63,000 SF of existing space, including the area exhibiting structural damage (one story academic connector and gymnasium), the auditorium, and the existing elementary school buildings (which are poorly located and partially in the flood plain). Demolition of a significant portion of the existing structure will provide adequate available site to add a vehicular circulation (parent drop-off) loop behind the school. This will improve life-safety and allow for separate parent and bus loading areas. A new parking area will also be developed to address a significant concern at the facility. Although a portion of the site will remain in the flood plain, all of the facilities will be located a minimum of 2' above the established 100-year flood plain.



Cedar Grove Elementary (cont.)

The original 2-story classroom building will be fully renovated, except the toilet rooms (that have already been recently improved Kanawha County Schools). This portion of the building contains approximately 38,000 SF over two (2) levels. There is adequate academic space in the facility to accommodate traditional classroom spaces, resource and itinerant spaces, student services, exploratoriums, art and music classrooms, as well as a STEM Lab or Robotics/Maker space.

The existing classroom wing will be bookended by two additions. One 3,615 SF addition will include a Safe School Entrance and Administrative Area. The other 2,890 SF addition will include an Activity Room with an adjacent stage, as well as appropriate support spaces.



HVAC RENOVATION EXPERIENCE



Charleston Coliseum & Convention Center (2015) – Replace entire MEP infrastructure three 1,000 ton chillers and cooling towers, three 8,000 mbh gas condensing boilers, approximately ten VAV AHU's, approximately 10 large single zone VAV AHU's.

Charleston Kanawha Health Department (2015) – Replace entire mechanical system to include air cooled chiller, gas fired make-up unit and zone fan coils with electric reheat, approximately 45,000 SF new DDC controls.

United Bank Building – Cooling Tower Replacement (2010) – Two 400 ton centrifugal chillers, rebuild two large VAV AHU's, installed free cooling plate frame heat exchangers (2015).

Kanawha County Public Library (2015) – Replaced two gas-fired boilers with new gas condensing boilers .

Building 5 Capitol Complex (2008) – Replaced 10th floor office space air condition, replaced perimeter induction units with new steam chilled water air handling units, distributed VAV terminal units with modification to architectural fit out approximately 22,000 Sf. Installed new sprinkler service entrance for Buildings 5, 6, and 7.

Capitol Complex Building 5, 7th, 8th, & 9th Floors – Rebuild perimeter induction system and interior multi-zone distribution in addition to total architectural fit up, approximately 70,000 SF.

Capitol Complex Building 6, 3rd, 4th, & 5th Floors - Rebuild perimeter induction system and interior multi-zone distribution in addition to total architectural fit up, approximately 70,000 SF.

WV Lottery Headquarters Building (2014 - 2015) – Installed 40,000 SF of new variable refrigerant system, new make-up air system, comprehensive architectural services.

WV State Capitol Cafeteria – Installation of large catering and service kitchen, included steam make-up air system, 3 Class 1 kitchen hoods, Class 2 kitchen hoods, all plumbing system, sprinkler system including sprinkler service entrance for entire Capitol Buildings, comprehensive architectural services.

Old Kanawha Valley Bank Building (2003) - New cooling chiller.
(2015) - New cooling tower.

City Center East (2008) Chiller Replacement.

Tenant Fit-Up Numerous Office Buildings Charleston – BB&T Building, City Center East, United National Bank Building, Hunting National Bank Building to include VAV distribution, electrical and architectural services.

HVAC RENOVATION EXPERIENCE (CONT.)



Additional HVAC Projects:

Pleasant Hill Elementary School - HVAC Replacement
Keyser Middle School - HVAC Replacement
Huntington Herald Dispatch - HVAC Study
Walker Machinery Main Office Renovation - HVAC
Walker Diamond Office - HVAC
Walker Machinery - HVAC Renovations
State of WV - Governor's Mansion Corrective HVAC
Study Camp Dawson Regional Training Institute - HVAC
Central Regional Jail - HVAC and Roof Replacement
King of Prussia, PA - HVAC Design (Multiple Projects)
Kanawha Valley Senior Services - HVAC
Tolsia High School - HVAC Renovations
Cabell County Schools - (Multiple HVAC Projects)
Cabell County Career & Technical Center - HVAC
Cabell County Explorer Academy - HVAC
Harrisville Elementary School - HVAC
Ritchie County HS/MS - Cooling Tower Replacement
Spring Hill Elementary School - HVAC
Roane-Jackson Career & Technical Center
Salt Rock Elementary School - HVAC Renovation
Wayne County Schools - New HVAC System Projects
Greenbrier County Schools - New HVAC System
Projects Huntington High School
Cabell-Midland High School

WINDOW EXPERIENCE

WV State Office Buildings 5, 6, & 7
Cedar Lakes Conference Center
BridgeValley Community & Technical College
Cabell County Board of Education Office
Mason County Board of Education Office
General Services Administration
Tiskelwah Center
WV Rehabilitation Center
Hamlin Middle School
Hamlin PK-8 School
Culloden Elementary School
Ona Elementary School
Geneva-Kent Elementary School
Altizer Elementary School
Salt Rock Elementary School
Meadows Elementary School
Dunlow Elementary School
Peyton Elementary School
Richwood High School
Ranger Elementary School
USPS Spencer
CURA
DBHDS Catawba Hospital
Lincoln County Board of Education McDowell
City CIAD
Athens Elementary School
Bluefield Middle School
Glenwood Elementary School
Melrose Elementary School
Montcalm High School
Sun Valley Elementary School
Critzler Elementary School
Pulaski High School
USPS Altavista MPO
Appalachian Regional Hospital - Whitesburg



ROOFING EXPERIENCE

WV School of Osteopathic Medicine (Main and Science Building) - Roof Replacement
Cedar Lakes Conference Center (11 Buildings)
WV Regional Jails (Multiple Facilities)
Wayne County Schools (6 Schools)
Boone County Schools (4 Schools)
Nicholas County Schools (3 Schools)
Mason County School (Multiple Facilities)
Ranson Elementary School (Partial)
Greenbrier County Schools (Multiple Facilities)
Summers County Bus Garage
WV State Capitol Building (excluding dome)
State Office Building 5, 6, & 7
BridgeValley CTC - Davis Hall





4.

TEAM QUALIFICATIONS



DAVID FERGUSON

AIA, REFP

Principal

Mr. Ferguson has served in the capacity of Architect, Project Manager, and Principal in Charge for a variety of projects at ZMM. This experience includes Educational (PK-12, Vocational and Higher Education), Retail, Corporate Office, Industrial, Military, Medical Office Facilities, General Healthcare Hospital and Psychiatric Hospital Projects. Mr. Ferguson's responsibilities include programming, design, documentation, architectural/engineering coordination and construction administration.

Mr. Ferguson is a Recognized Educational Facility Professional (REFP) and has been involved in planning, designing and the construction of over 200 educational facilities in West Virginia. As the architect for the first "green" school building in West Virginia Mr. Ferguson has been an advocate for sustainable design and was involved starting the first US Green Building Chapter in West Virginia.

EDUCATION

Bachelor of Science
West Virginia State University, 1979

LICENSURE

West Virginia, Ohio

AFFILIATIONS

WV Chapter, American Institute of Architects,
Past President

WV Chapter, American Institute of Architects,
Member

Recognized educational Facility Planner
(REFP) by the A4LE

A4LE Southeast Region Board of Directors -
WV State Governor

Professional Member, US Green Building
Council

PROJECT EXPERIENCE

WV Schools for the Deaf and the Blind - Romney, WV

- **Comprehensive Educational Facilities Plan**
- **Campus Master Plan**
- **Seaton Hall Emergency Repairs**
- **Blue and Gold Building Renovations**
- **Arnold Hall Renovations**
- **Keller Hall Renovations**

Marshall University - Huntington, WV

- **Smith Hall Music Room Renovation**
- **Smith Hall Boiler Replacement**
- **IT/OT Security OP Center**

WV State University - Institute, WV

- **Campus Master Plan**
- **Proposed Research Lab Building**
- **Sullivan Hall renovations**
- **Hamblin Hall Elevator Renovations**

Southern WV Community College - WV

- **Advanced Technology Center - Williamson, WV**
- **Multiple Science Lab Renovations - Williamson, WV**
- **Science Lab and Multiple Classroom Additions - Hamlin, WV**

WV Institute of Technology - Montgomery, WV

- **Advanced Technology Center - Williamson, WV**
- **Multiple Science Lab Renovations - Williamson, WV**
- **Science Lab and Multiple Classroom Additions - Hamlin, WV**

Woody Williams Center for Advanced Learning - Barboursville, WV



ADAM KRASON

AIA, LEED AP, ALEP

QA/QC

Mr. Krason has served in the capacity of Architect and Project Manager for a variety of projects at ZMM. This experience includes Military, Educational (K-12 and Higher Education), Office, Justice (Courthouses, Correctional, Justice Centers), and Multi-Unit Residential projects. Mr. Krason's responsibilities include programming, design, documentation, coordination of the architectural and engineering team, as well as construction administration. Mr. Krason began his career in 1998, working on a variety of educational, commercial office, and correctional projects throughout Ohio, West Virginia, and North Carolina.

Mr. Krason has been an advocate of sustainable design and energy efficiency and has participated and presented at sustainable design seminars throughout the region. Mr. Krason also serves as President/CEO and serves on the Board of Directors and is responsible for firm management, business development, and corporate philanthropy at ZMM. In addition to his role at ZMM, Mr. Krason is actively engaged in the community, serving on a variety of statewide and local civic and non-profit boards.

EDUCATION

Bachelor of Architecture
The Catholic University of America, 1998

Bachelor of Civil Engineering
The Catholic University of America, 1997

LICENSURE

Virginia, West Virginia, Ohio, Kentucky,
Maryland, New Jersey, North Carolina,
Louisiana

AFFILIATIONS

Association for Learning Environments

WV Board of Architects, President (2019 - Current)

American Institute of Architects,
Strategic Council (2022/23)

Charleston Area Alliance, Board Chair

Goodwill Industries of Kanawha Valley, Past
Board Chair

Clay Center, Board of Directors

WV Symphony Orchestra, Board of Directors

Charleston Urban Works, Board of Directors

Charleston Municipal Planning Commission

Charleston Historic Landmarks Commission

Education Alliance Board Chair (2022/23)

PROJECT EXPERIENCE

Jackson County Schools - Jackson County, WV

- Ravenswood Middle School
- Cottageville Elementary School
- Kenna Elementary School
- Ripley Middle School Renovation
- Roane-Jackson Technical Center

Kanawha County Schools - Kanawha County, WV

- Edgewood Elementary School
- Mary C. Snow (West Side Elementary)
- Cedar Grove Elementary School
- Clendenin Elementary School

Wood County Schools - Wood County, WV

- Wood County Career and Technical Center
- Williamstown Elementary School
- Williamstown High School Renovation

BridgeValley CTC - Montgomery, WV

- Davis Hall Renovation
- Master Plan

Southern WV CTC Master Plan - Multiple Locations, WV

New River Community and Technical College - Multiple Locations, WV





CHRIS CAMPBELL

AIA, LEED AP

Senior Architect

Mr. Campbell joined ZMM in November of 2017. Prior employment experience includes serving in the capacity of Architect and Project Manager for a variety of projects. This experience includes Educational (K-12 and Higher Education), Commercial Offices, Automotive Dealerships, Justice (Homeland Security and Department of Justice Offices), and religious spaces. Mr. Campbell's responsibilities include programming, design, documentation, coordination of the architectural and engineering team, and construction administration. Project responsibilities comprised all duties from project inception to completion.

Mr. Campbell began his career in 1996 and until 2006 was primarily working on K-12 educational projects throughout West Virginia. From 2006 until present the majority of his projects were Higher Education.

EDUCATION

Bachelor of Architecture
University of Tennessee, 1996

LICENSURE

West Virginia
Virginia

AFFILIATIONS

WV Chapter, American Institute of Architects,
Past President (2006-2007)

WV Chapter, American Institute of Architects,
Executive Committee (2001-2009)

WV American Institute of Architects, Intern
Development Coordinator (2000-2005)

University of Charleston, Interior Design
Advisory Board (2014 - 2016)

PROJECT EXPERIENCE

WV Schools for the Deaf and the Blind - Romney, WV

- Campus Site Upgrades
- PE Building: Reroofing, Window and Door Replacements
- Keller Hall Dormitory Renovations and Reroofing
- Blue & Gold Building Renovations: Student Activity Center and Conference Center

Marshall University - Huntington, WV

- Cyber Security Command Center
- Smith Hall Complex Building Assessment and Development Plan
- Arthur Weisberg Applied Engineering Complex *

Southern WV Community & Technical College

- 10 - Year Campus Development Plan
- Main Building Toilet Renovations (Williamson Campus)
- Fire Alarm Upgrades (Williamson & Logan Campus)

BridgeValley Community & Technical College

- Feasibility Study for the Stone & Thomas Building (Approved for Federal and State Historic Tax Credits)
- Davis Hall Exterior Envelope Renovations (Montgomery Campus)

New River Community & Technical College

- Chiller Replacement and HVAC Renovations (Greenbrier Campus)
- Welding Lab Renovations (Greenbrier Campus)
- Floor Slab Replacement and Renovations (Greenbrier Campus)

Roane-Jackson Career & Technical Center - Leroy, WV

- Plumbing Renovations
- New Domestic Water Treatment Plant
- New CDL Training / Testing Course

Woody Williams Center for Advanced Learning - Barboursville, WV

Blue Ridge Community and Technical College New Headquarters Building - Martinsburg, WV *

* Previous Employment



DANIEL BANKER

AIA

Project Architect

Mr. Banker has been involved in a wide array of new design and renovation projects that include K-12 education, park facilities, downtown revitalization, accessibility improvements, residential, and historical structures. Leveraging his years of experience and background in structural steel and construction, Mr. Banker brings a wide scope of expertise to every project.

EDUCATION

Bachelor of Architecture
Virginia Polytechnic Institute & State University

Bachelor of Art History
Virginia Polytechnic Institute & State University

LICENSURE

West Virginia, Virginia, Ohio

PROJECT EXPERIENCE

WV Schools for the Deaf and the Blind - Romney, WV

- Blue & Gold Building Renovations
- Keller Hall Reroofing Project
- P.E. Building Door and Window Replacement and Reroof
- Campus Upgrades to Entrance
- New Memorial, Greenhouse and Outdoor Classroom Spaces

Woody Williams Advanced Center for Learning - Barboursville, WV

Jackson County Schools - WV

- Ripley Middle School Renovations

Nicholas County Schools - WV

- New Glade Creek PK-8

Dickenson County Public Schools - VA

- New Ridgeview Elementary School

Frederick County Public Schools - VA

- James Wood Middle School Roof Replacement
- Arnel Elementary School Addition and Renovation

Waynesboro Public Schools - VA

- Waynesboro High School Addition and Renovation

Mineral County Schools - WV

- New Frankfort Elementary School

Raleigh County Schools - WV

- Shady Spring Elementary School Addition and Renovation
- Shady Spring High School Addition and Renovation
- Ridgeview Elementary School School design
- Woodrow Wilson High School Window Replacement

Jefferson County Schools - WV

- New Ranson Elementary School
- New Shepherdstown Elementary School
- Washington High School Gymnasium



CARLIE RAY

Senior Interior Designer

Carlie serves as an Interior Designer at ZMM. She is a detail-oriented and creative professional with extensive knowledge in interior architecture. Carlie's goal with every project is to create a beautiful and functional environment that suits the client's needs.

As an interior designer, her background includes commercial properties, education, healthcare, historic adaptive reuse, residential properties, existing building renovations, and hospitality design. She has experience managing a variety of project elements: interior space planning, finish and fixture selection, creating concept presentations, rendering 3D models, and producing construction documents to ensure that each project seamlessly transitions from concept to reality.

EDUCATION

Bachelor of Science in Interior Design
West Virginia University, 2017

AFFILIATIONS

NCIDQ Certification ID#35513

West Virginia University - Interior
Architecture Advisory Board Member

PROJECT EXPERIENCE

WV Schools for the Deaf and the Blind Renovations - Romney, WV

Cabell County Schools - Cabell County, WV

- Cabell Midland High School Renovations
- Meadows Elementary School
- Huntington High School Renovations
- Woody Williams Center for Advanced Learning
- Cabell County Board Office Renovations

Kanawha County Schools - Kanawha County, WV

- Cedar Grove Elementary School

Jackson County Schools - Jackson County, WV

- Cottageville Elementary School
- Ripley Middle School

Wayne County Schools - Wayne County, WV

- Wayne County School - Bathroom Renovations

Raleigh County Schools - Raleigh County, WV

- Stratton Elementary School

Braxton County Schools - Braxton County, WV

- Braxton County Middle School Gym Renovation

Nicholas County Schools - Nicholas County, WV

- Nicholas County High School
- Richwood Middle School
- Summersville Middle School
- Cherry River Elementary School

Putnam County Schools - Putnam County, WV

- Poca High School Media Innovation Center Addition



JOHN PRUETT

PE, LEED AP

Senior Mechanical Engineer

Mr. Pruett is responsible for overseeing the design of the HVAC systems, ensuring that the HVAC systems meet the program requirements, and long-term needs of the owner. He performs heating and cooling load calculations and recommends the type of systems to be incorporated into the building. Mr. Pruett coordinates with other disciplines to integrate the HVAC systems into the building. Mr. Pruett has participated on several LEED registered projects. One of his key contributions to these projects is conducting energy analyses and recommending energy use reduction alternatives. Mr. Pruett began his engineering career with a manufacturing company in 1994. In 1998, he made a career change and joined an engineering consulting firm. He has a broad range of experience in HVAC systems design, including government, education, office buildings, hotels, restaurants, a convention center and several natatoriums. Having served in the Marines for 14 years, Mr. Pruett also led a design team for a "virtual memorial" for the birthplace of the U.S. Marine Corps.

EDUCATION

Bachelor of Science
Purdue University, West Lafayette, IN, 1993

LICENSURE

West Virginia, Virginia, Indiana, Maryland,
Louisiana

LEED Accredited Professional

AFFILIATIONS

American Society of Heating, Refrigerating
and Air-Conditioning Engineers (ASHRAE),
Member

United States Marine Corps - 14 Years

PROJECT EXPERIENCE

WVDNR District 5 Headquarters - Alum Creek, WV

WV State Police Headquarters - So. Charleston, WV

Wood County Resiliency Center - Parkersburg, WV

WV State Capitol Renovations - Charleston, WV

General Services Division Surplus Property - Dunbar, WV

WV Housing Developemnt Fund Office Building - Charleston, WV

Tucker County Courthouse Renovations - Parsons, WV

Gilmer County Courthouse Renovations - Glenville, WV

St. Margaret's Judicial Center 3rd Floor Renovations - Martinsburg, WV

Jackson County Maintenance and Transportation - Ripley, WV

Jackson County EMS Building - Ripley, WV

WV Army National Guard - WV

- Camp Dawson Building 106
- Camp Dawson Building 245
- Camp Dawson Building 246
- Camp Dawson Building 301
- Camp Dawson Mail Facility
- Marshall County Readiness
- Camp Dawson Job Challenge Academy



TODD POFF, PE

PE

Structural Engineer

Mr. Poff started as a Civil Engineer. After working in that department for several years, he began moving over to the Structural Engineering Department where his true interest and most of his training lies.

As a Structural Engineer, it is Mr. Poff's responsibility to ensure the safety of the structure's design, as well as any occupants inside those structures. As a member of the design team, Mr. Poff understands that the structural system of a building needs to have the least amount of impact possible on the architectural design and on the way clients use the buildings. It is that kind of teamwork, with all major design disciplines in-house, this allows ZMM to provide our clients with a building design that will not only meet their needs but will be a place they can enjoy for many years to come.

EDUCATION

Bachelor of Science
Virginia Polytechnic Institute & State
University, 1987

LICENSURE

West Virginia, Virginia, Ohio, North Carolina

PROJECT EXPERIENCE

Dickenson County Public Schools - Dickenson County, VA

- New Ridgeview Elementary School
- Classroom Addition at Ridgeview Elementary School

Marshall County Schools - Marshall County, WV

- Monarch Stadium, Concessions & Field House Renovations

Wirt County Schools - Wirt County, WV

- Wirt County Middle School Renovations

Wythe County Public Schools - Wytheville, VA

- George Wythe High School Addition and Renovation
- Scott Memorial Middle School Addition to GWHS

Raleigh County Schools - Raleigh County, WV

- Ridgeview Elementary School

Jefferson County Schools - Jefferson County, WV

- Ranson Elementary School
- Shepherdstown Elementary School

Timber Ridge CTEC - Winchester, VA

Mineral County Schools - Mineral County, WV

- New Frankfort PK-4 School



FRANKIE KANTSIOS

PE

Electrical Engineer

As an electrical engineer, Mr. Kantsios is consistently motivated to adapt to the team's needs in assessing and finalizing the project on time. He is an experienced professional with a proven record of managing projects from concept to completion while staying versatile to the specific project at hand. By carrying out engineering and design services for a diverse field of projects since 2013, Mr. Kantsios has expanded his knowledge and understanding of the industry: providing him with the means to meet the clients' needs for each individual program. He has been actively involved in the design of a wide array of new structures and renovations to include K-12 educational buildings, higher education buildings, healthcare facilities, office buildings, banks, restaurants, hotels, automotive dealerships and service centers, apartment complexes and dorms, industrial facilities and warehouses, and athletic facilities. Whether working independently or in conjunction with other architects, engineers, and contractors, Mr. Kantsios excels at creating effective solutions and developing opportunities that further establish organizational goals.

EDUCATION

Bachelor of Science
Old Dominion University, 2019

Associate of Applied Science
New River Community College, 2016

LICENSURE

Virginia, West Virginia, Ohio

PROJECT EXPERIENCE

Dickenson County Public Schools - Clintwood, VA
- New Ridgeview Elementary School

Frederick County Public Schools - Frederick County, VA
- Fourth High School Design

Waynesboro Public Schools - Waynesboro, VA
- Waynesboro High School Addition and Renovation
- Waynesboro New Career and Technical Education Annex

Raleigh County Schools - Raleigh County, WV
- Shady Spring Elementary School Access Road

Wythe County Public Schools - Wythe County, VA
- George Wythe High School Addition and Renovation

Warren County Public Schools- Warren County, VA
- A.S. Rhodes Elementary School Renovations

Mineral County Schools - Mineral County, WV
- New Frankfort PK-4 School Site Design

Jefferson County Schools - Jefferson County, WV
- New Ranson Elementary School
- New Shepherdstown Elementary School

Roanoke City Public Schools - Roanoke, VA
- Ruffner Career and Technical Education Center*

**Previous Employer Experience*



EDUCATION

Bachelor of Science, Civil Engineering
Virginia Polytechnic Institute and
State University, 2007

LICENSURE

West Virginia, Virginia, Kentucky, Ohio

AFFILIATIONS

Registered Professional Engineer

BENJAMIN S. MCMILLAN

PE, LEED AP

Civil Engineer

Mr. McMillan has 15 year's of experience and knowledge in land development throughout Virginia. Mr. McMillan has experience in creating site plans and producing reports and specifications for institutional, commercial, residential, utility-scale solar, and one utility-scale wind project. Site plan preparations included layout, utility plans, grading, drainage, stormwater management, and erosion and sediment control.

Mr. McMillan also attends meetings, interacts with clients and contractors, performs various construction administration duties, and visits projects throughout the design and construction phases. Additional experience includes:

- Experienced in land development for institutional, multi-family residential, commercial, industrial, and utility-scale solar projects.
- Knowledgeable of all phases of land development from schematic design through project close-out.
- Complied with and obtained approval from many different municipal and state agencies in multiple states.
- Proficient in AutoCAD Civil 3D and familiar with other engineering design programs such as Autodesk Storm & Sanitary Analysis, HydraFLOW, HydroCAD, Flowmaster, and PondPack.
- Coordinated site designs with other design disciplines including Architects, Landscape Architects, Mechanical Engineers, Electrical Engineers, Structural Engineers, and Geotechnical Engineers.

PROJECT EXPERIENCE

Wood County Resiliency Center - Parkersburg, WV

Wood County 911 Center - Parkersburg, WV

WVDNR Tomblin WMA New Visitor Center and Bunkhouse - Logan, WV

West Virginia Regional Technology Building 2000 Parking Loop - Charleston, WV

WV Department of Agriculture Lab Building - Charleston, WV

New River Health - Oak Hill, WV

Salvation Army - Beckley, WV



BARROW KOSLOSKY

AIA, NCARB

Architect / Construction Administrator

Barrow currently serves as a Construction Administrator at ZMM. I have a long-tested relationship with being an owner rep at West Virginia Division of Natural Resources Planning Engineering and Maintenance Department, Healthcare, Retail, Mixed Use, Office Up-Fits, K-12 Public Schools, Universities, Charter Schools, and Custom Home clients.

EDUCATION

Masters of Architecture
Virginia Polytechnic Institute and State University, 2002

Bachelor of Science in Architecture/
Engineering Technology, Fairmont State University, 1998

Associate of Science in Architecture/
Engineering Technology, Fairmont State University, 1996

LICENSURE

West Virginia
NCARB Certified
OSHA Certified

PROJECT EXPERIENCE

WV Schools for the Deaf and the Blind - Romney, WV

WVDNR Beech Fork State Park - Cabins - Lavalette, WV

WVDNR Coopers Rock State Park - Cabins - Morgantown, WV

WVDNR Pipestem Resort State Park - McKeever Lodge Renovations - Pipestem, WV

WVDNR District 4 New Headquarters - Beckley, WV

WVDNR Tomblin Wildlife Management Area - New Visitors Center and Elk Observation Tower - Logan, WV

United Bank - Charleston, WV

Jefferson County Schools - Jefferson County, WV

**- New Ranson Elementary School
- Shepherdstown Elementary School**

**Dickenson County Schools - Dickenson County, VA
- Ridgeview Elementary School**

**Lee County Schools - Lee County, VA
- Elydale Middle School Roof Replacement**

**Wytheville County Schools - Wytheville County, VA
- Scott Memorial Middle School**



5.

CLIENT REFERENCES

E. REFERENCES

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Mr. Rodney Pell
Executive Director of
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Mr. Jason Stark
Vice President of Operations
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304.205.6617



Mr. Will Alder
Director of facilities and Maintenance
WV School of Osteopathic Medicine
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Lewisburg, WV 24901
304.647.0401cell





May 4, 2022

I am writing this letter to acknowledge the excellent work provided by Adam Krason and ZMM Architects in designing and presenting the BridgeValley Campus Development Plan. After assessing the building inventory and square footage available on our campuses, they formulated and recommended a student to square foot ratio appropriate for the school's programs, enrollment, and resources. The Plan maximizes student opportunities for success and matches the college's long-term goals while maximizing efficiency.

While working with ZMM, we found their representatives took time and listened to the needs of all BridgeValley constituents. From the start of the project to completion, our experience working with ZMM has been nothing but positive. BridgeValley strongly feels that the quality of work, the timeliness of submissions, and attention to detail were exceptional and made ZMM a great group to work with. We look forward to the possibility of working with ZMM again in the future.

Sincerely,

casey sacks

Casey K. Sacks, Ph.D.
President
BridgeValley Community and Technical College



Thank You

FOR REVIEWING THIS MATERIAL.

ZMM.COM

BLACKSBURG
VIRGINIA

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WEST VIRGINIA

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