



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  
 Service - Prof

Proc Folder: 1359402			Reason for Modification:
Doc Description: WVDOF - A/E SERVICES METAL BUILDING CONSTRUCTION			
Proc Type: Central Contract - Fixed Amt			
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**BID RECEIVING LOCATION**

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

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 WV PURCHASING  
 DIVISION

**VENDOR**

Vendor Customer Code:

Vendor Name : ZMM Architects and Engineers

Address : 222 Lee Street, West

Street :

City : Charleston

State : WV Country : USA Zip : 25302

Principal Contact : Adam Krason

Vendor Contact Phone: 304.342.0159 Extension: 234

**FOR INFORMATION CONTACT THE BUYER**

Toby L Welch  
 (304) 558-8802  
 toby.l.welch@wv.gov

Vendor Signature X  FEIN# 550676608 DATE February 21, 2024

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) Adam Krason, Principal

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

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

(email address) ark@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contained herein; that this bid, offer or proposal constitutes an offer to the State that cannot be unilaterally withdrawn; that the product or service proposed meets the mandatory requirements contained in the Solicitation/Contract for that product or service, unless otherwise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)

AK

(Signature of Authorized Representative)

Adam Krason, Principal

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

304.342.0159 / 304.345.8144

(Phone Number) (Fax Number)

ark@zmm.com

(Email Address)



## **EXPRESSION OF INTEREST**

To Provide Professional  
Architecture/Engineering Services:

**WV DIVISION OF FORESTRY  
METAL BUILDING CONSTRUCTION**

DOF2400000001  
February 21, 2024

**ZMM.COM**



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February 21, 2024

**ZMM.COM**

February 21, 2024

Mr. Toby Welch, Senior Buyer  
Department of Administration, Purchasing Division  
2019 Washington Street East  
Charleston, WV 25305



Subject: Statement of Qualifications – A/E Services for WVDOF Metal Building Construction  
(FOR240000001)

Dear Mr. Welch,

ZMM Architects and Engineers is pleased to submit the attached information to demonstrate our experience and qualifications to provide architectural, engineering, and construction phase services for the proposed new metal building facility located at Coopers Rock State Forest. ZMM has extensive experience providing design services for the WVDNR which is very similar to WV Division of Forestry, including experience in the current visitor's center, elk viewing platform, shop & maintenance building, and bunkhouse at Tomblin Wildlife Management Area.

ZMM understands that the steel metal maintenance and support building shall complement the aesthetics of related forestry structures at Coopers Rock State Forest. ZMM's recent experience assisting the WVDNR with the Tomblin Wildlife Management Area project provides our team with the best opportunity to ensure the successful implementation of this new steel metal maintenance and support building facility project. Established in 1959, ZMM is a local architecture and engineering firm, and is noted for design excellence and client focus. Additionally, we have included CEC to join the team, they bring a wealth of engineering knowledge and recently collaborated with ZMM on the A-Frame Cabins at Coopers Rock State Forest. Our team qualifications include:

**Experience.**

ZMM has recent experience successfully collaborating with the West Virginia Division of Natural Resources (WVDNR) on the cabins at Cooper Rock and Beech Fork, Tomblin Wildlife Management Area, Claudia L. Workman Wildlife Education Center at Forks of Coal State Natural Area, and renovations to the McKeever Lodge and Mountain Creek Lodge at Pipestem State Park.

**Quality.**

ZMM has a history of providing high quality design services throughout West Virginia. The quality of the services we provide is demonstrated by the number of our repeat clients, and the recognition of our work with both statewide and national planning and design awards. In fact, ZMM has been recognized with twenty-four statewide design awards since 2005 by the West Virginia Chapter of the American Institute of Architects – recognition of a commitment to design quality that is unrivaled in West Virginia.

**Talent.**

With over sixty-five employees ZMM provides an integrated design approach by delivering all building related design services including architecture, engineering (civil, structural, mechanical, and electrical), interior design, and construction administration in-house. Our architects, interior designers, and engineers are highly qualified and have worked together to deliver projects with similar scope and complexity.

Thank you for taking the time to review the attached qualifications that includes information about our firm history, ZMM's project approach, relevant project experience, team qualifications, and references. Additionally, please visit our website at [zmm.com](http://zmm.com) to see the full range of projects that we have designed, and to learn about working with ZMM from a client's perspective. We appreciate your consideration for this project and look forward to the opportunity to assist the WV Division of Forestry on the Coopers Rock New Steel Metal Maintenance and Support Building.

Respectfully submitted,  
**ZMM Architects and Engineers**

A handwritten signature in blue ink that reads 'A. R. K.' followed by a horizontal line.

Adam R. Krason, AIA, NCARB, LEED-AP  
Principal

**BLACKSBURG** VIRGINIA    **CHARLESTON** WEST VIRGINIA    **MARIETTA** OHIO    **MARTINSBURG** WEST VIRGINIA

**ZMM.COM**

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# 1

PROJECT UNDERSTANDING/APPROACH



# PROJECT UNDERSTANDING/APPROACH

## Project Understanding

The Request for Expression of Interest indicates that the State of West Virginia Division of Forestry needs professional architecture and engineering services to design a new steel metal maintenance and support facility located at Coopers Rock State Forest. ZMM is familiar with working at Coopers Rock State Forest.



The scope of the current project is to provide architectural and engineering services, including construction administrative services, for the proposed new steel metal maintenance and support facility located at Coopers Rock State Forest. ZMM Architects and Engineers has provided design services for similar steel maintenance and support within many of our projects for the WV Division of Highways, WV Division of Natural Resources, and WV Division of General Services. ZMM has developed an initial programming of the potential facility to demonstrate our commitment to the project and the WVDOF. The design contained within this proposal would consist of an approximately 36'x70'x16' steel pre-engineered metal building with a gable metal roof.

The concrete floor will be thickened to support the stored transport trailer with a loaded dozer. The steel pre-engineered metal building will have two roll down exterior doors measuring 10'x10' and one larger exterior roll down exterior door measuring 14'x14'. The exterior metal panels shall be vertical panels colored to blend in with any adjacent structures. At one end of the steel pre-engineered metal building will be the WVDOF staff support area. This will include two offices, two bathrooms, one shower room, and an open space for a conference/training area. One item to consider is a very small break area within the proposed training/conference room for coffee, water, etc. This can be accommodated with casework or furniture. This was not noted within the CEOI. It is assumed the chosen WVDOF site has electric, water, and sewer readily available. The Coopers Rock SF Parks headquarters location and south side of Coopers Rock SF has very limited water and wastewater capabilities.

# PROJECT APPROACH

## ZMM/CEC Team

ZMM Architects & Engineers has assembled a project team capable of addressing the varied and unique needs of the project. Many members of our proposed team recently collaborated on the design of the Coopers Rock Cabins, Beech Fork Cabins, Tomblin WMA Office/Shop and Elk Viewing Platform, the Forks of Coal Claudia Workman Fish and Wildlife Education Center, and the District V Headquarters project. ZMM will be partnering with the specialized services of CEC, a leader in civil engineering services. We are confident that this team will provide the WVDOF with the best opportunity for a successful project. The full design team will include:

### Role

Principal/PM  
Principal (CEC)  
Architecture  
Designer  
Interior Designer  
Engineering Principal  
Sr. Mechanical Engineer  
Civil Engineer  
Civil Engineer  
Structural Engineer  
Electrical Engineer  
Construction Admin.  
Construction Admin.

### Proposed Staffing

Adam Krason, AIA, NCARB, LEED AP  
Jim Christie, PE  
Nathan Spencer, AIA  
Billy Simms  
Carlie Ray, NCIDQ  
Bob Doeffinger, PE  
John Pruett, PE, LEED AP  
Joseph Robinson, PE  
Ben McMillan, PE, LEED AP  
Todd Poff, PE  
Frankie Kantsios, PE  
Keith Gonzales  
Barrow Koslosky, AIA, NCARB



Resumes detailing the experience of the proposed team members are found in Section 4.



# PROJECT APPROACH

## Project Communication

During the design phase Adam Krason, AIA, LEED-AP and Nathan Spencer, AIA will serve as the primary contacts for the design team. These key team members as well as all primary WVDOF contacts would be included on all communication to facilitate an open discussion throughout the projects – in a manner that allows the WVDOF to remain actively involved in all design decisions. All correspondence will be copied to this core group. As the project progresses regular bi-weekly meetings will be held to review the design progress, outstanding issues, as well as any regulatory or budget concerns. Meeting minutes will be produced to document discussion items, decisions, and responsibility for follow-up.

During the construction phase additional resources will be added to ensure prompt and efficient responses to any issue that may arise. The project architect, Nathan Spencer, AIA will coordinate the effort of the design team, and will be assisted by Billy Simms. Additionally, all submittals, pay applications, and RFI's will be logged and tracked by Amy Rhodes – and available to the WVDOF and Contractor on ShareFile. Ms. Rhodes will update the entire project team (WVDOF, ZMM, and Contractor) weekly regarding outstanding items.

## Budget Control

Our team has been providing professional design services in West Virginia for more than sixty five (65) years. This experience has allowed our team to develop a thorough understanding of the various construction markets and associated bidding regions that exist throughout West Virginia. Our team for this project will include Win Strock, a former contractor that regularly provides independent estimates to ZMM. Mr. Strock and ZMM have successfully collaborated on the following projects::

- Coopers Rock State Forest - 'A' Frame Cabins
- Claudia L. Workman Fish and Wildlife Education Center
- Beech Fork Lodge
- Coonskin Park Maintenance Building
- Clendenin Elementary School
- Williamstown Elementary School
- Edgewood Elementary School
- Jackson County Armed Forces Reserve Center
- Logan-Mingo Readiness Center
- Morgantown Readiness Center
- State Police Information Services Center
- State Office Building 5 & 6 – Various Projects



# PROJECT APPROACH

## Construction Duration

Nearly every project that our team is engaged to perform design services for has a 'hard' deadline for completion, many times tied to the availability or expiration of project funding. ZMM consistently delivers on projects with challenging schedule constraints. ZMM will ensure that this project will be completed in the agreed construction period utilizing the following methods:

- ZMM has developed Division 1 documents that tie the receipt of all deliverables required to administer the construction phase of the project to payment applications. ZMM will reject any payment application that is not accompanied by all required information including submittal schedules and logs, RFI logs, updated project schedules, etc.
- ZMM monitors all construction phase submittals and correspondence to verify that we are returning information at a pace that will help expedite project completion. ZMM management reviews the status of all RFIs and submittals weekly. ZMM will also staff the construction phase with staff that will be able to provide immediate answers at the project site to expedite the work.
- ZMM will work with the WVDOF to develop a realistic construction schedule that includes anticipated weather days. This schedule will be included in the specifications and reviewed at the pre-bid meeting to reinforce the critical nature of meeting the schedule, and the intent of enforcing liquidated damages.

## Experience with Each Required Discipline

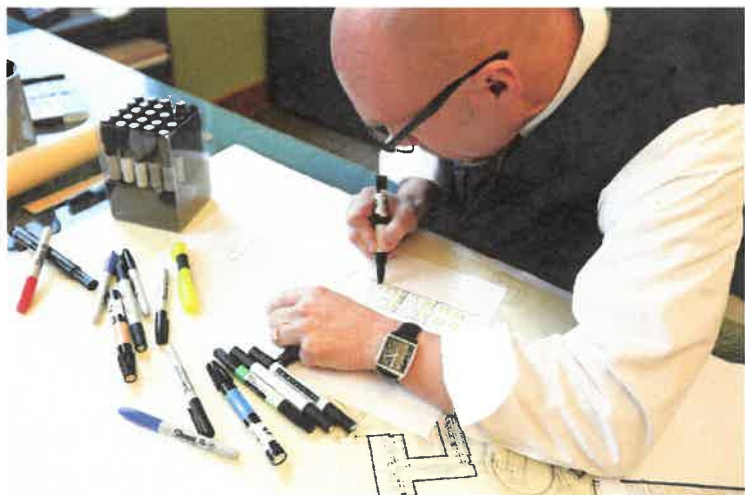
ZMM Architects and Engineers has assembled a team to meet the unique requirements of the project. Our team is comprised of some of the leading professionals in West Virginia, and is experienced in each discipline noted below. With over sixty-five (65) employees ZMM provides an integrated design approach by delivering all building-related design services including architecture, engineering (civil, structural, mechanical, and electrical), interior design, and construction administration in-house. Our architects and engineers are highly qualified and have worked together to deliver projects with similar scope and complexity.

### Pre-Design

Planning  
Programming  
Space Planning  
Feasibility Studies  
Existing Building Evaluation  
Site Evaluation and Analysis  
Master Planning  
Construction Cost Estimating

### Design

Architectural Design  
Sustainable Design  
Interior Design  
Landscape Architecture  
Civil Engineering  
Structural Engineering  
Mechanical Engineering  
Electrical and Low Voltage Engineering  
Plumbing and Fire Protection Engineering  
Energy Consumption Analysis  
Net Zero Design



# PROJECT APPROACH

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## Post Design

Construction Administration  
Value Engineering  
Life Cycle Cost Analysis  
Post-Occupancy Evaluation





# 2

FIRM PROFILES

# ABOUT ZMM ARCHITECTS & ENGINEERS

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**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, State Office Buildings 5, 6, & 7 on the State of West Virginia Capitol Campus, and armories for the West Virginia Army National Guard.

Maintaining a diverse practice for over 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 its present size of 35 people. Over the past 20 years David Ferguson, AIA, and Adam Krason, AIA, LEED-AP joined in ownership of the firm. In 2020, Randy Jones also joined in ownership of the firm when ZMM acquired Blacksburg-based OWPR Architects & Engineers to create a regional design firm that employs more than 60 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 State of 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 the ideal of providing high-quality, client-focused design solutions that meet budget and schedule requirements. We listen, we respond promptly with innovative and efficient solutions, and we deliver quality projects and develop lasting relationships. You see us in YOUR community every day.





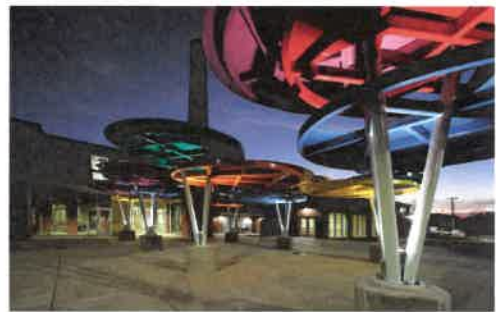
# AWARD WINNING DESIGN

## 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



Civil & Environmental Consultants, Inc.

## Civil & Environmental Consultants, Inc - Firm Overview

In 1989, four engineers and scientists came together with a singular vision: to be a people-first company, one that promotes a culture where clients and employees enjoy working together, and that is responsive to client needs with integrated services and high-quality work for projects both complex and routine.

More than 30 years later, Civil & Environmental Consultants, Inc. (CEC) has 1,500+ team members in offices nationwide. Headquartered in Pittsburgh, Pennsylvania, we are consistently ranked on Engineering News-Record's annual lists of the Top Design Firms and Top Environmental Firms in the nation.

CEC is an expanding, multi-disciplined company that is home to:

- +Civil Engineers
- +Geotechnical Engineers
- +Transportation Engineers
- +Structural Engineers
- +Environmental Scientists
- +Environmental Engineers
- +Chemical Engineers
- +Geologists
- +Hydrogeologists
- +Hydrologists
- +Ecologists
- +Biologists
- +Wetland Scientists
- +Threatened & Endangered Species Experts
- +Agronomists/Soil Scientists
- +Emissions Testing Professionals
- +Archaeologists
- +Construction Managers and Inspectors
- +Environmental Technicians
- +Treatment Plant Operators
- +Land Surveyors
- +Landscape Architects
- +GIS Analysts and Programmers

CEC's Bridgeport office is comprised of senior leaders, engineers, project managers and support staff all with significant private and public infrastructure planning, design and engineering experience. The Bridgeport office is adequately staffed with a variety of professionals to ensure appropriate staff is assigned to any task.

The Bridgeport office enjoys a positive relationship with local, regional and state regulatory officials. These relationships are critical to navigating the permitting process through the increasingly difficult regulatory environment. CEC understands the length of time required for permitting tasks and can assist the client in developing accurate project schedules. CEC also has significant experience working with local contractors on similar development, roadway, and utility projects throughout West Virginia. This knowledge of local construction techniques and a thorough understanding of the design and operation/maintenance of public infrastructure provide a technical advantage to CEC.

CEC's team provides a balance of public and private sector experience that allows us to offer an exceptional perspective to our consulting services. Our team has proven experience in both private and public sector projects throughout West Virginia, meeting intensive schedules for projects and locally funded projects while maintaining quality work. We understand the balance and collaboration required between funding and regulatory agencies and understand the requirement for getting public utility projects funded, designed, permitted, and construction on time and within the project budget.





3

RELEVANT DESIGN EXPERIENCE



# CLAUDIA L. WORKMAN FISH & WILDLIFE EDUCATION CENTER

LOCATION | SIZE | COMPLETION | COST  
ALUM CREEK, WV | 7,000 SF | 2021 | \$5M

**ZMM provided design services for the Education Center, which includes exhibits about West Virginia's native wildlife, including conservation, game management, forestry, stream restoration, and how to identify native plants and animals.**

The center is located on 102 acres of land, along with the WVDNR District 5 Headquarters. ZMM's services included the development of the site and facility, as well as coordination with civil/environmental, exhibit design, and marketing team members. The facility, nestled in the beautiful landscape, concentrates on visitor and user experience, while creating a dynamic space to celebrate West Virginia's greatest natural treasures. One of the key concepts is to represent our wild and wonderful state by incorporating natural materials such as stone, a variety of woods, and natural finishes.

A central axis frames an inspiring view and sets the tone for the visitor with heavy timber, vaulted ceilings, and natural light. The northwest quadrant is dedicated to administration and classroom functions, while the southwest quadrant is composed of utilitarian spaces. The eastern half of the building is devoted to exhibit space. The angled walls and exterior glass create a vibrant exhibit space, as the outdoors become part of the exhibit, as a large, elevated deck spans across the landscape, creating the ultimate viewing platform for the breathtaking views of the Forks of Coal State Natural Area.





Civil & Environmental Consultants, Inc.

# COOPERS ROCK STATE PARK

## OWNER/CLIENT

West Virginia Division Of Natural Resources

## LOCATION

Monongalia County, WV

## CEC SERVICES

Erosion & Sedimentation Control/NPDES Permitting

Geotechnical Engineering

Site Grading/Earthwork Analysis

Stormwater Management/BMP Design

Utility Design

Wetlands & Waters Delineations

Detailed Design

Construction Quality

Aerial Photography/Videography

Topographic Surveys

Construction Management

## OWNER OBJECTIVE

WVDNR and WV Tourism planned upgrades to Coopers Rock State Forest to provide additional 25 RV site locations, 20 A-frame cabins and dark sky initiatives. The goal of the project is to make the location a minimum of net zero on revenues to provide sustainable state forests and parks throughout the state.

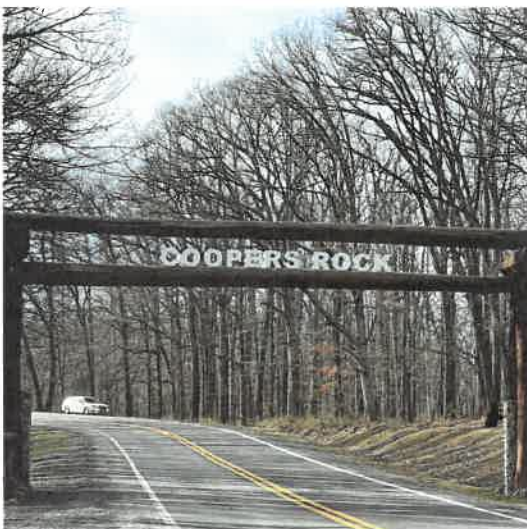
## CEC APPROACH

CEC engaged with WVDNR through 5G process to be selected based on quality qualifications and was selected to design and provide construction management services during bidding and construction of the project. CEC utilized expertise in state park master planning and civil site design to design and coordinate approvals and permitting to complete 25 RV sites and a planned 20 A-frame cabin loop for the planned \$7.25 million project. CEC started the project by collecting survey topo, utilities and site features to prepare a base map to develop concept plans.

CEC coordinated with WVDNR representatives including the WVDNR director and secretary of tourism to utilize the planned locations. CEC then provided a geotechnical investigation to provide a balanced and stable site design. CEC proceeded to complete site development design for the RV locations, cabin locations and site utilities with the oversight of sub ZMM which designed the electrical systems and the A-frame cabins. CEC has provided bidding support and construction management including site QC testing of fill, concrete and asphalt placement.

In addition to the utility design CEC provided a pump station design to provide sanitary sewer service to the cabins and pump to a planned sanitary sewer treatment system located near the RV site location. During the bid process and planned construction execution CEC teamed with WVDNR and WV State Forest to mark and provide marketable timber during the clearing and grubbing phase. One of the key features during the design and development of the project was to maintain existing trees to provide the feel of an established state park location.

CEC has successfully overseen 90% of the completion of the project to date and is planning additional projects and bids with WVDNR.





# BEECH FORK STATE PARK LODGE

LOCATION | COMPLETION | COST  
LAVALETTE, WV | TBD | \$28.49M

**The goal of the lodge study was to help determine the feasibility for a new lodge at Beech Fork.**

This objective was achieved through the development of a concept for a 75-room lodge, located on the banks of Beech Fork Lake in Wayne County, WV, which is designed to benefit a variety of visitors. The form of the building was influenced by the site configuration, as well as the functions contained within it.

The floor plan is arranged in a way to separate the guestrooms and other guest-only facilities from the more public functions of the building, such as the restaurant, pub, gift shop, and meeting room. This allows visitors who may not be staying at the lodge to use these areas, without encroaching on the privacy of lodge guests. All of the guestrooms are arranged to have access to views of the lake. Those views are also shared by the restaurant, meeting room, and the recreation areas.

The exterior of the building is designed to simulate the craftsman style to evoke a more relaxed, comfortable, and informal feel for guests and visitors. The brick, stone, siding, and roof materials are common to the area and offer low-maintenance and durability to provide a long-lasting, attractive structure.





Civil & Environmental Consultants, Inc.

# ANTERO MIDSTREAM FACILITY

## OWNER/CLIENT

Tracy Coppola / Antero Midstream LLC

## LOCATION

Greenwood, WV

## CEC SERVICES

Erosion & Sedimentation Control/NPDES Permitting

Site Grading/Earthwork Analysis

Stormwater Management/BMP Design

Construction Quality Assurance

Construction Surveys/Staking

Construction Management

Structural Engineering

## OWNER OBJECTIVE

Antero Midstream (AM) was planning to create a centralized field office, maintenance and warehouse facility to support their existing and growing operations over the next 20 years. AM owned property with a Crestwood compressor under lease, the decision was made not to renew the lease and convert the site for AM operations. The site components included a 20,000sf warehouse for storage and maintenance bays for each division, 2,000sf pig storage duck pond and a 6,000sf field office.

## CEC APPROACH

CEC teamed with Antero Midstream (AM) to review an existing compressor site and facility where they owned property, and a compressor building was planned to be decommissioned. CEC completed a survey site assessment of the location including site topo, terrestrial building scans and visible utility and feature locations. CEC also reviewed existing building components from a similar deconstructed metal building at an Ohio location for use of metal components for cost savings. After the review of the location and components it was planned to complete a \$7 million two-phase project upgrade of the facility including a warehouse, maintenance bays, field office, utilities and a pig duck pond building. CEC reviewed and designed structural building closures for openings, partition walls, concrete slab design for use of forklift and telehandler loads and designed structural components of the pig duck pond including a grated floor system. CEC evaluated a potential PSD water improvement project for 1-mile extension but a well system was chosen after cost estimation reviews. CEC then provided a design for water storage and treatment system utilizing the well sources. CEC oversaw the design of the field office with an architectural sub and provided utility coordination to provide a sanitary septic system and site location upgrades including parking lot, sidewalks and utility connections. CEC provided construction coordination and quality control testing of fill and concrete placement during construction.

During the project design and construction process CEC and AM reviewed Capex budgets, provided site and building renderings and provided updates to leadership and stake holders within Antero Resources Corporation. With the advanced planning with the AM team the two-phase project was completed within the planned budget and operations started per outlined timeline to the AM team.

CEC received engineering excellence award from AM Leadership at the grand opening of the facility.



# ADDITIONAL WVDNR EXPERIENCE

Cooper Rock State Park Cabins - Bruceton Mills, WV

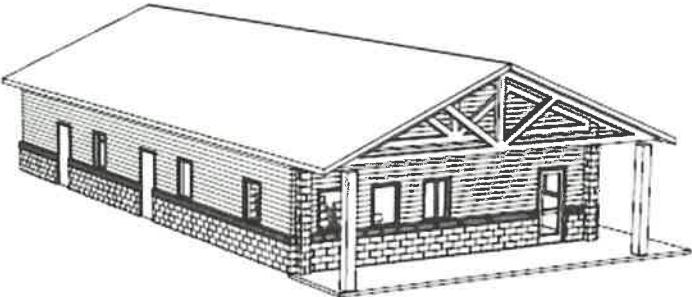
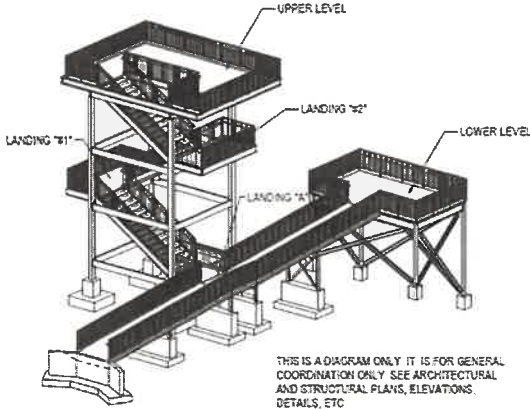
Beech Fork State Park Cabins - Kenova, WV

Hawks Nest State Park Miscellaneous Projects - Ansted, WV

Twin falls State Park - Lodge and Convention Expansion and Master Plan - Mullens,

WV District V Headquarter Renovation - Alum Creek, WV

Tomblin Wildlife Management Area Office/Shop and Elk Viewing Platform, and Visitor Center - Alum Creek, WV







# FREDERICK COUNTY TRANSPORTATION FACILITY

LEED  
SILVER

LOCATION | SIZE | COMPLETION | COST  
WINCHESTER, VA | 52,638 SF | 2013 | \$17M

**The design of the transportation complex consists of two separate primary buildings: one for administration offices, the other houses vehicle maintenance.**

The Administration Building contains eleven offices, two conference rooms, a lobby with receptionist area, a work area, a storage area, and restrooms. This building also contains a driver training room for 50 drivers, and a driver lounge. The interior is designed to allow for future expansions. The Administration Building was awarded LEED Silver Certification.

The Vehicle Maintenance Building has office space in the center with repair bays on each side. The office space includes seven offices (with the potential to grow), a lobby with receptionist area, restrooms, a waiting room, a separate employee lounge with restrooms and showers, a technical research room, a work room, and a custodial closet. A separate area of this building includes a tool storage room, a component room, parts storage, fluid storage, a pump room, and a compressor room. Heavy-duty bays are grouped together on one side of the facility. The opposite side houses light-duty bays.

The Wash and Fuel Facility has four fueling service bays, a tire service bay, two wash bays, and an office. The complex also has a Storage Facility.





# JACKSON COUNTY ARMED FORCES RESERVE CENTER

LOCATION | SIZE | COMPLETION | COST  
MILLWOOD, WV | 75,000 SF | 2011 | \$20M

**The building design was inspired by the adjacent Georgian-style Order of the Eastern Star facility.**

The primary user for the WVARNG will be DET 1 821st Engineering Company, supported by a FSC of the 1092nd. USAR occupants include PLT AMMO 261 OD and PLT 1 (Postal) and PLT 6 (Postal) of the 44th Personnel Company. An expanded drill hall serves as a convention and meeting space. The relationship between the structures became crucial to the site layout. Once the aesthetic of the building was established, the massing of the facility was defined by breaking down the facility into smaller mass elements. The larger programmatic elements, such as the drill hall and the storage areas, employ an aesthetic that more closely implies their function.

The layout of the facility includes a main entry with the recruiting, family support, and administrative areas located on separate sides. A transverse wing houses all functions that have the potential for public use, while all primary military spaces developed along a similar perpendicular wing. This allows for separate entries to be developed for public functions, while the remainder of the facility can be secured. The layout also creates a large central courtyard, or parade field, that would be located at lower grade to define the edge facing the river. This edge is defined by a canopy that connects storage and locker areas to the expanded drill hall.





# GLEN JEAN ARMED FORCES RESERVE CENTER

LOCATION | SIZE | COMPLETION | COST  
GLEN JEAN, WV | 110,000 SF | 2004 | \$17M

**The Glen Jean Armed Forces Reserve Center contains three distinct military functions: a facility for routine maintenance of over-the-road and tracked military vehicles, an armory housing four West Virginia National Guard units, and the Southern West Virginia Military Entrance Processing Station, where new recruits officially enter the military system.**

The brick exterior walls are highlighted with limestone and metal trim accents. A large assembly hall, plus classroom and training space, enhance the ability of the armory building to provide training for military personnel, while also providing much-needed space for community functions.

The Glen Jean AFRC also employs a sloped natural-stone buffer to meet federal anti-terrorism and force protection guidelines. The project has also become an important community resource and served as a meeting location during the development of the nearby Summit Bechtel Family National Scout Reserve.





# WV STATE POLICE & PARKWAYS AUTHORITY MAINTENANCE BUILDING

LOCATION: BECKLEY, WV | SIZE: 19,400 SF | COMPLETION: 2016 | COST: \$4.5M

**The West Virginia Parkways Authority needed to replace a variety of existing aging buildings with a new maintenance facility.**

The 19,400 SF building includes offices for maintenance staff, training staff, a training center and a WV State Police branch facility. The maintenance portion of the building includes four large bays equipped with an overhead crane, truck lifts and equipment to maintain the large fleet of trucks. Existing buildings were removed to allow for the new building to be located on the existing site along with other support buildings.

ZMM, in consultation with HNTB engineers, was selected to design the new facility. The WV Parkways Authority had programmed the building requirements, which ZMM developed into a building program to fit the existing restricted site. The four 26-foot-high truck bays will be located next to a two-story supply and support facility. The second-story portion of the building will contain offices, training and meeting rooms along with lockers and exercise areas. The two-story state police facility is located next to the maintenance facilities and includes a common entrance, lobby, elevator, and stairs.





# GENERAL SERVICE DIVISION SURPLUS PROPERTY

LOCATION | SIZE | COMPLETION | COST  
DUNBAR, WV | 19,250 SF | 2016 | \$4M

**This project consists of a 19,250 SF pre-engineered metal building storage facility that includes 5,000 SF of administrative space.**

The property originally had multiple structures that were scattered throughout the site. The layout of the buildings created a variety of issues for Surplus Property, and made it difficult for them to operate efficiently. The new pre-engineered metal building replaced the existing structures, which were located in the floodplain, and addressed several site issues, including proper drainage, traffic flow, and correct floor elevations in regard to current floodplain requirements. Since the existing site contained a large amount of fly ash, ZMM employed a unique approach to constructing the foundation system. Instead of completing a full excavation of the site, ZMM recommended installing the foundations by selectively demolishing the existing pavement to allow for the installation. This improved constructability, and led to an enhanced construction process.

The exterior of the pre-engineered building was designed to reflect the branding of the state agency, and the demolition of the existing structures, along with the new construction, was phased to maintain continuous operation of the facility.





# 4

## TEAM QUALIFICATIONS



# ADAM KRASON

AIA, LEED AP, ALEP

Principal

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 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 his 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

## AFFILIATIONS

Association for Learning Environments

WV Board of Architects, President

American Institute of Architects,  
Strategic Council

Charleston Area Alliance, Board Chair

Goodwill Industries of Kanawha Valley,  
Past Board Chair

Clay Center, Advisory Board

WV Symphony Orchestra, Board of Directors

Charleston Main Streets, Board of Directors

Charleston Municipal Planning Commission

Charleston Historic Landmarks Commission

Education Alliance, Board Chair

## PROJECT EXPERIENCE

**Capital Sports Center Conceptual Design** - Charleston, WV

**The Clay Center for the Arts and Science (Multiple Projects)** -  
Charleston, WV

**State Office Building #5, 10th Floor Renovation (Office of Technology)**  
- Charleston, WV

**Charleston Coliseum and Convention Center** - Charleston, WV

**Girl Scouts of Black Diamond Council** - Charleston, WV

**Goodwill Prosperity Center** - Charleston, WV

**Claudia L. Workman Fish and Wildlife Education Center** - Alum Creek,  
WV

**Wood County Justice Center** - Parkersburg, WV

**Wood County Resiliency Center** - Parkersburg, WV

**Construction and Facilities Management Office (WVARNG)** -  
Charleston, WV

**Shawnee Sports Center** - Institute, WV

**Joint Interagency Training and Education Center (WVARNG)** -  
Kingwood, WV

**Christ Church United Methodist** - Charleston, WV

# James Christie, P.L.A.

Principal



## 25 YEARS OF EXPERIENCE

### EDUCATION

B.S., Landscape Architecture, West Virginia University, 1998

### REGISTRATIONS

Registered Landscape Architect

- CO 747
- WV 414
- MD 4176

Bridgeport Development Authority - Board Member

- 2019 - Present

West Virginia Council of Trout Unlimited - Past Chair

- 2017-2021

Jim is a Principal and licensed Landscape Architect in the Civil department. In his capacity, he is responsible for complete project management within CEC. He is responsible for site design, landscape architecture, site development entitlement services, construction documents, client management, personnel supervision, and construction administration on numerous municipal, commercial, and institutional projects. Jim is a detail-oriented, highly-creative Landscape Architect with 25 years of dedicated experience in designing and implementing projects to support client needs and meet business objectives. His wide range of project experience ranges from landscape design to destination resort design in multiple regions both within the United States and internationally. Jim's passion for recreation as an economic engine shows with over two decades of projects directly related to recreation as a destination and the recreation of economies around tourism as the driver.

### PROJECT EXPERIENCE

#### REGIONAL RECREATIONAL TOURISM MASTERPLANS

Upper Kanawha Valley Recreational Tourism Study, Kanawha County Commission, Charleston, WV  
The Tracks Resort and ATV Trail System Masterplan, The Shott Foundation, Bluefield, WV  
The Eastern Continental Divide Loop Trail Master Plan, Garrett Trails, Garrett County, MD\*  
Allegany County Bicycle and Pedestrian Master Plan, Cumberland Area MPO, Allegany County, MD\*  
Friendsville Bicycle and Pedestrian Masterplan, Town of Friendsville, Friendsville, WV\*  
The River Park at Canal Place Feasibility Study, Cumberland, Maryland, Allegany County, MD

#### PARK AND RECREATION MASTERPLANS

Palatine Park and Boat Ramp Masterplan, Marion County Commission, Fairmont, WV\*  
Brooke Hills Park Masterplan, Brooke Hills Park, Wellsburg, WV\*  
Grand Vue Park Masterplan, Omni Associates, Moundsville, WV Grand Vue Park RV Park, Omni Associates, Moundsville, WV Wave Pool Masterplan, MCPARC, Pleasant Valley, WV\*  
Stonewall Resort RV Park and Camping Master Plan, Stonewall Resort Roanoke, WV  
Bee Run Adventure Park Master Plan, Braxton County Development Authority, Flatwoods, WV\*  
Inwood Park Masterplan, Berkeley County Commission, Martinsburg, WV  
Vienna Park and Recreation Master Plan, City of Vienna, Vienna, WV

#### WATER PLAY FACILITIES

Brooke Hills Park Pool and Splashpad, Brooke Hills Park, Brooke County, WV\*  
Palatine Park Splash Pad, MCPARC, Marion County, WV\*  
Wave Pool, MCPARC, Marion County, WV  
Grand Vue Park Pool, Marshall County, WV  
Jackson Park Pool, Omni Associates, Vienna, WV

#### SPORTS TOURISM / RECREATION CENTER

The Bridge Sports Complex Masterplan, Omni Associates, Bridgeport, WV  
Upshur County Rec / J.C. Allen Regional Hub Masterplan, Upshur County Commission, Buckhannon, WV  
Westmont Hills Rec Center, Omni Associates, Cambria County, PA  
Bluefield WV and Bluefield VA Parks Masterplan, Bluefield, WV

\* Work performed prior to joining CEC

### PROFESSIONAL AFFILIATIONS

Past Chair of the Trout Unlimited West Virginia Council  
American Society of Landscape Architects



Civil & Environmental Consultants, Inc.





# Nathan Spencer

AIA

Project Architect

Mr. Spencer is responsible for coordinating the efforts of the design team in preparing thorough and clear design documents. He has experience in all phases of design working on a wide range of building types including; military, educational, office, justice, and residential.

He has worked on several projects that are currently pursuing LEED certification. In addition to production, Mr. Spencer, is also experienced in 3d modeling. He has worked on several preliminary concept study models as well as high quality renderings and 3d models later in the design process. Mr. Spencer is also experienced in high quality physical models.

Mr. Spencer began his career in architecture with ZMM in 2003, working as a summer intern. After graduating in 2003, he began working at ZMM full time.

## EDUCATION

Bachelor of Architecture  
University of Tennessee, 2007

## LICENSURE

West Virginia

## AFFILIATIONS

WV Chapter, American Institute of Architects,  
Member

## PROJECT EXPERIENCE

**Highland Hospital** - Charleston, WV

**Charleston Coliseum & Convention Center** - Charleston, WV

**Shawnee Sports Center** - Institute, WV

**Logan-Mingo Readiness Center** - Holden, WV

**Jackson County AFRC** - Millwood, WV

**Joint Interagency Training and Education Center (JITEC)** - Kingwood, WV

**Buckhannon Readiness Center** - Buckhannon, WV

**Parkersburg Readiness Center (not built)** - Parkersburg, WV

**Marshall Readiness Center** - Moundsville, WV

**Kenova AFRC SCIF Building** - Kenova, WV

**AASF #1 and #2 Hangar Additions**

**Mountaineer Challenge Academy South** - Montgomery, WV

**Morgantown Readiness Center** - Morgantown, WV

**Tucker County Courthouse Annex** - Parsons, WV

**Judge Black Courthouse Annex** - Parkersburg, WV

**Intuit Prosperity Hub** - Bluefield, WV



# CARLIE RAY

## 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

**Capital Sports Center** - Charleston, WV

**National Weather Service Building** - Charleston, WV

**Coonskin Park Clubhouse Renovations** - Charleston, WV

**WVDNR Cooper's Rock** - Morgantown, WV

**WVDNR Beech Fork State Park Cabins** - Lavalette, WV

**KRT New Laidley Transit Ticket Booth** - Charleston, WV

**Wood County Resiliency Center** - Parkersburg, WV

**WVARNG Buckhannon Readiness Center Addition** - Buckhannon, WV

**Goodwill Industries** - Parkersburg, WV

**Salvation Army** - Beckley, WV

**Step toe & Johnson Law Office Renovation** - Charleston, WV

**Premier Bank** - Spencer, WV

**Williamson Health and Wellness Renovation** - Williamson, WV

**New River Health Medical Mall** - Fayetteville, WV

**WVSOM Community Health Center** - Lewisburg, WV

**Cabell County Career and Tech Renovation** - Huntington, WV

**Staats Building Renovation** - Charleston, WV

**WV School for the Deaf and the Blind Renovations** - Romney, WV

## Joseph D. Robinson, P.E.

### Vice President



### 19 YEARS OF EXPERIENCE

#### EDUCATION

B.S., Civil Engineering, West Virginia University,  
2004

Mr. Robinson is a Vice President with nineteen years of diverse experience in civil, geotechnical, water resources, structural engineering, Oil & Gas site & pipeline design and residential/commercial site design. He has designed various projects including site layouts, grading plans, sanitary sewer, storm water management, impoundments, roads, sediment control measures, segmental retaining walls, flood plain analyses and concrete design projects. Mr. Robinson has currently been responsible for the Bridgeport civil practice, construction management of WVDNR and Oil & Gas Sites, design lead on AMLER funded developments, actively managing the AML Contract 8 and Special Inspector of Record for the Texas border wall projects.

#### PROJECT EXPERIENCE

##### Civil Site Design Experience

##### Site Development Projects, Timberbrook Condos\*

Responsible for grading, quantities and design plan production.

##### Site Development Projects, Bridgeport BUMC Parking Lot, Bridgeport, WV\*

Responsible for grading, quantities, design plans and construction.

##### Site Development Projects, Energy Plaza Partners, WV\*

Site Grading Project along Rt 50 Responsible for grading, quantities, design plan production and survey stakeout.

##### EPP Experience, Energy Plaza Partners, WV

Project management and design of one site for future development. Project included civil site design for rough grading, E&S controls, surveying, as-built and concept site layouts.

##### Site Development Projects, 200 Orchard Street\*

Segmental Retaining Wall Project Responsible for site layout, segmental retaining wall design, design plan production, survey stakeout and construction.

##### Site Development Projects, Mon General\*

Segmental Retaining Wall Redesign Project Responsible for segmental retaining wall design, design plan production and construction.

##### Health Care Facility Design\*

UHC Project - Jerry Dove Drive, Bridgeport, WV Responsible for final site grading, drafting and segmental retaining wall design & construction. Physicians Office Building - Jerry Dove Drive, Bridgeport, WV Responsible for final site grading, drafting and construction oversight.

#### EXPERTISE

Project planning, coordination and permitting of Site Development projects in WV

Diverse experience in civil, geotechnical, water resources, structural engineering, and site design

#### REGISTRATIONS

Professional Engineer

- WV 19756
- OH 77637
- MD 45171
- VA 0402053304
- PA 083558
- TX 139413



Civil & Environmental Consultants, Inc.



# Robert Doeffinger

PE

Principal

As ZMM's Principal Engineer, Mr. Doeffinger is in charge of the engineering disciplines, it is his responsibility to ensure that the mechanical and electrical engineering components of ZMM's design are coordinated and integrated into the final product.

After graduate school in Architectural Engineering, Mr. Doeffinger joined ZMM. He has over 45 years design experience in mechanical and electrical systems for buildings. He has a broad range of engineering experience in education, industrial and manufacturing facilities, large retail, correctional and jails, office buildings, and military facilities.

Mr. Doeffinger is responsible for new design and retrofit of chilled water systems for all building types including large regional shopping malls. He is involved daily with the firm's selection of appropriate systems for all building types and performs life-cycle cost analysis and energy studies.

Mr. Doeffinger is a member of the American Society of Heating, Ventilation and Air-Conditioning Engineers. He is the current national Chairman of the Technical Committee on Heating and Air-Conditioning Load Calculation. He is involved in writing the National Standard on the Method of Calculation, which will shape the nature of the future building energy use for the nation.

## EDUCATION

Master of Science  
The Pennsylvania State University, 1976

Bachelor of Science  
West Virginia University, 1973

## LICENSURE

WV, VA, PA, OH, TN, KY, NY, NH, ME,  
NC, SC, FL, NJ, GA

## AFFILIATIONS

ASHRAE - Member of the Technical Committee Load Calculations Data and Procedures for 25 years, serving as chairman. Presently Chairman of the Research Subcommittee

2021 Industrial and Professional Advisory Council - College of Engineering at The Pennsylvania State University

2019 Marshall University Honorary Alumni Award of Distinction College of Engineering

Advisory Board for the Department of Electrical Engineering Technology, Bridgemont Community and Technical College

City of Pt. Pleasant, WV - 2nd Ward Councilman for 20 years

## PROJECT EXPERIENCE

**Charleston Coliseum & Convention Center** - Charleston, WV

**State Office Buildings #5, 10th Floor** - Charleston, WV

**WV Capitol Complex Buildings #5, #6, and #7** - Charleston, WV

**Marshall University (Multiple Projects)** - Huntington, WV

**West Virginia Regional Technology Park** - S. Charleston, WV

- Building 704

- Building 740

- Building 770

**Joint Interagency Training and Education Center (JITEC)** - Kingwood, WV

**West Virginia Regional Jails**

**West Virginia Army National Guard Projects**

**BridgeValley Community and Technical College** - Montgomery, WV

**Appalachian Regional Hospital (Multiple Projects)** - Beckley, WV

**The Plaza at the King of Prussia** - Philadelphia, PA



# 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  
LEED Accredited Professional

#### AFFILIATIONS

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

United States Marine Corps - 14 Years

#### PROJECT EXPERIENCE

**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**

**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 Development 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



# BENJAMIN S. MCMILLAN

PE, LEED AP

Civil Engineer

Mr. McMillan has 15 years' 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.

## EDUCATION

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

## LICENSURE

West Virginia, Virginia, Kentucky

## AFFILIATIONS

Registered Professional Engineer

## 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



# 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

West Virginia  
Virginia

## PROJECT EXPERIENCE

**Carilion New River Valley Medical Center - VA**

- **Cardiology Expansion**
- **Infusion Clinic Alterations**

**HCA Healthcare - VA**

- **LewisGale Hospital Montgomery - 3rd Floor Graduate Medical Education Center**

**InnovAge PACE - VA**

- **New Richmond Facility**
- **New Roanoke Facility**
- **Roanoke Facility Study**

**Bath Community Hospital - VA**

- **New Pharmacy Building\***

**New Triumph Baptist Church - VA**

**Frederick County Sunny Side Voter Registrar's Office- VA**

- **A.S. Rhodes Elementary School Renovations**

**New River Community College - VA**

- **ADA Accessibility Improvements**

**City of Covington City Hall Renovations - VA\***

**Pulaski County Administration Building Renovation - VA\***

*\*Previous Employer Experience*



# 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 insure 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, that allows ZMM to say with confidence we 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

Virginia, West Virginia, North Carolina, Ohio

#### PROJECT EXPERIENCE

**Roanoke County Public Libraries - VA**  
**- Glenvar, Vinton & South County**

**Rappahannock Electric Maintenance Facility - Front Royal, VA**

**InnovAge Roanoke - VA**

**Kollmorgen Structural Analysis - Radford, VA**

**Truck Manufacturing Plant - Dublin, VA**  
**- Multiple Crane Analysis/Relocation Projects**  
**- Cab Trim Assembly Building**

**Collins UTC Aerospace Plant Structural Analysis - WV**





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CLIENT REFERENCES

# CLIENT REFERENCES

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Bradley Leslie, PE, Assistant Chief (Retired)  
WVDNR  
State Parks Section  
324 4th Avenue  
So. Charleston, 25303  
304.389.7663 cell



Todd Reynolds, Deputy Branch Chief  
WVARNG  
1707 Coonskin Drive  
Charleston, WV 25311  
304.380.7226 cell



Dr. David Sovine, Superintendent  
Frederick County Transportation  
1415 Amherst Street  
Winchester, VA 22601  
540.662.3888



Deborah Demyan, Project Engineer  
WVDNR  
304.550.4892  
debbie.d.demyan@wv.gov



Tracy Coppola, CWI  
Facilities Engineering Manager  
Midstream Operations  
304.841.8496  
tcoppola@anteroresources.com