

THRASHER

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WV PURCHASING
DIVISION



BUCKHANNON READINESS CENTER PHASE II DESIGN

CEOI ADJ20000000009

Submitted by:
The Thrasher Group, Inc.
May 5, 2020

April 24, 2020

Department of Administration, Purchasing Division
2019 Washington Street East
Charleston, WV 25305-0130

RE: Professional design services to develop construction documents to add an Addition to the Buckhannon Readiness Center, located in, Buckhannon, WV

Dear members of the selection committee:

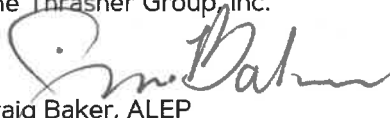
The Thrasher Group is pleased to present our qualifications for designing and developing construction documents for the addition to the Buckhannon Readiness Center, located in Buckhannon, WV. Our multi-disciplinary team of architects, funding specialists, construction administrators, and engineers will work together to ensure a smooth, seamless process for the continuation of this facility and each phase to follow.

The Thrasher team has a history of success in renovation and addition projects that will bring several advantages to the Buckhannon Readiness Center project:

- > **Experience with complex additions and new facilities** – In our 36 years of business, we have worked on many complex projects. Some of these projects - including a variety of higher education facilities and buildings for the US Marine Corps - have given us the knowledge and experience to make your project a success. Also, our team now has in-house mechanical, electrical, and plumbing engineering services so our designers are better able to take the building's MEP needs into consideration throughout the process.
- > **A proactive approach to funding** – One of Thrasher's unique offerings is the ability to assist with sourcing and securing funding for projects. We go beyond simply submitting applications and waiting on a funding award. We will take a detailed, structured approach to analyze your project needs, develop accurate cost estimates, and find the best funding for the Buckhannon Readiness Center.
- > **Knowledge of cost estimating** – Cost is a concern in every project and one that we take seriously. We understand the cost estimating process and the importance of providing accurate estimates. That is why we designated a Cost Estimator to be on this project team.
- > **Familiarity with National Guard standards** – Our team has a familiarity with National Guard Facility work. Our project manager, Joe Sinclair, served in the Army National Guard for nine years and will be able to use that experience to give this project a unique perspective.

We appreciate the opportunity to present our qualifications and look forward to further discussing the Buckhannon Readiness Center's needs.

Sincerely,
The Thrasher Group, Inc.



Craig Baker, ALEP
Architecture Division Manager

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



(Name, Title)
Craig Baker, Architecture Division Manager

(Printed Name and Title)
600 White Oaks Blvd | Bridgeport, WV 26330

(Address)
304-624-4108 | 304-624-7831

(Phone Number) / (Fax Number)
cbaker@thethrashergroup.com

(email address)

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

The Thrasher Group, Inc.

(Company)
 Architecture Division Manager

(Authorized Signature) (Representative Name, Title)
Craig Baker, Architecture Division Manager

(Printed Name and Title of Authorized Representative)
April 24, 2020

(Date)
304-624-4108 | 304-624-7831

(Phone Number) (Fax Number)

STATE OF WEST VIRGINIA
Purchasing Division
PURCHASING AFFIDAVIT

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

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

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

DEFINITIONS:

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

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

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

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

WITNESS THE FOLLOWING SIGNATURE:

Vendor's Name: The Thrasher Group, Inc.

Authorized Signature: _____

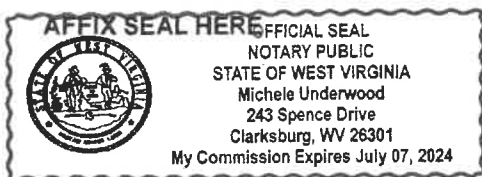
Date: 4/24/2020

State of West Virginia

County of Harrison, to-wit:

Taken, subscribed, and sworn to before me this 24th day of APRIL, 2020

My Commission expires JULY 7, 2024



NOTARY PUBLIC

Michele Underwood

Purchasing Affidavit (Revised 01/19/2018)

ADDENDUM ACKNOWLEDGEMENT FORM
SOLICITATION NO.: CEOI ADJ2000000009

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

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

Addendum Numbers Received:

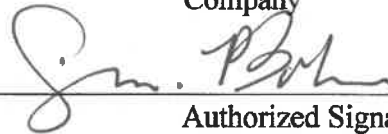
(Check the box next to each addendum received)

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

I understand that failure to confirm the receipt of addenda may be cause for rejection of this bid. I further understand that 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.

The Thrasher Group, Inc.

Company

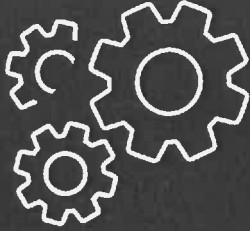


Authorized Signature

April 24, 2020

Date

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



- > Utility Engineering
- > Architecture
- > Site Engineering
- > Environmental
- > Survey
- > Transportation
- > Construction Services
- > Geospatial

Main Point of Contact:

Craig Baker, ALEP
 Architecture Division Manager
 cbaker@thethrashergroup.com
 Cell: 304-669-3022
 Office: 304-326-6388



8

OFFICES

in five states:

- West Virginia
- Virginia
- Pennsylvania
- Ohio
- Maryland



500

EMPLOYEES

- 47** Licensed Professional Engineers
- 20** Licensed Professional Surveyors
- 6** Licensed Professional Architects
- 3** Licensed Professional Landscape Architects



36

YEARS

of delivering successful projects

Diverse services that grow communities.

THRASHER'S GOT IT.

A critical step in meeting your goals is first ensuring we understand them. Thrasher’s team has thoroughly reviewed the Expression of Interest request and is confident in our ability to deliver the highest-quality solutions to your problems. We are capable of meeting each goal/objective you have outlined and feel strongly that you will be satisfied with the outcomes you receive.

We understand your goals for the Buckhannon Readiness Center and will handle them in the following manner:

PHASE I

GOAL/OBJECTIVE 1

The Thrasher Group will provide design services that represent 35% of the design work for this project, with all engineering and architectural disciplines provided in-house. Our team is capable of updating the following requested elements: permanent masonry building consisting of an assembly hall, classrooms, learning center, kitchen, toilets and showers, office space and administrative and general purpose areas. All electrical and mechanical systems will be provided within the design to support the facility. Supporting assets will consist of paved roads, concrete pads, concrete sidewalks and vehicle parking. Cost effective energy conserving features will also be incorporated within the design. We will make operator friendliness and clarity as some of our main priorities.

GOAL/OBJECTIVE 2

Our sub-consultant NGE Consulting will provide all geotechnical work that will include any necessary drill borings. They will also be responsible for researching and investigating the location of existing underground and above ground utilities. Our team will work together to provide drawings and specifications of all utility and road infrastructure as needed and directed by the owner and/or state agency, utility company, or any other utility approval authority for Buckhannon, West Virginia.

PHASE II

GOAL/OBJECTIVE 1

Our team will complete the remainder of the design with approvals at 65%, 95% and 100% of construction completion. At design completion we will ensure current building and military codes and regulations are met. Additionally, our in-house cost estimator will provide estimating services with each step of the process. Our team is fully capable to complete the following requested design elements: permanent masonry building consisting of an assembly hall, classrooms, learning center, kitchen, toilets and showers; office space; administrative; and general purpose areas. All electrical and mechanical systems will be provided within the design to support the facility as well as paved roads, concrete pads, concrete sidewalks and vehicle parking.

GOAL/OBJECTIVE 2

Our team will assist in the competitive bidding process for construction as needed with responses to questions and answers, design/specification modifications, and addenda preparation.

GOAL/OBJECTIVE 3

Construction Administration always plays a major role in the Thrasher full-services package. This is a piece that we feel is important to offer for every project, and we consistently bid more projects than any other firm in the state. Thrasher has the competent professionals your team needs to ensure your project is constructed correctly and functions as designed.

Thrasher will conduct design review meetings with your team at each phase of the process, making sure we are keeping with the overall intention of the project and meeting the West Virginia Army National Guard's needs. As the design progresses, our construction estimator will provide a construction cost estimate for each phase to ensure the project is staying within budget.

General steps as outlined in the EOI for project management is as follows:

Step 1 - Site Visit

Your assembled team of engineers and technicians will conduct a site visit. This group will evaluate the project conditions and identify and document potential problem areas. We will coordinate with your team and any identified key stakeholders to take all the facts into consideration during this process.

Step 2 - Conceptual Design and Report

Thrasher will prepare conceptual designs as needed for the services at the Buckhannon Readiness Center. Where applicable, we will also provide design alternatives for consideration. We will then prepare a written report of the conceptual designs and outline any issues.

Step 3 - Construction Documents

Our team will provide design solutions and construction documents to the appropriate personnel for the project. These plans will be carried forward to final design based upon the conceptual design report. Thrasher recognizes that you are requesting drawings and specifications at the remainder of the design with approvals at 65%, 95% and 100% of construction completion. We will complete the final design documents based upon comments received and conclusions throughout the design review process. Our field evaluations and design approach will specifically address these issues in the construction documents.

Step 4 - Cost Estimates

Our project team will provide itemized cost estimates at the following stages: 35%, 65%, 95%, and 100%..

Step 5 - Bid Process

We will assist the Purchasing Division and all stakeholders in preparation of the bid documents and will attend pre-bid meetings and assist in issuance of addenda.

Step 6 - Construction Administration

The project team will review project submittals, attend project meetings, and provide inspection of the construction being completed. The project team will also provide final punch list inspection at project completion.

Thrasher will also develop a program to keep your team abreast of potential construction issues. We will prepare design repairs with the adjacent property owners in mind. We plan to address any issues that may arise through clear and concise construction notes, details, and specifications to ensure the safety of the workers and environment.

Step 7 - Project Close Out

Upon completion of the project, the Thrasher team will provide final as-built drawings in both CAD and PDF format to any appropriate personnel as needed.



STATE OF WEST VIRGINIA
DEPARTMENT OF ADMINISTRATION

THRASHER

Craig Baker, ALEP
Architecture Division Manager

Joe Sinclair, AIA, NCARB, LEED AP
Project Manager

Amanda Chevront, AIA, NCARB
Project Architect

Marsha Benson, Assoc. AIA, LEED GA
Project Designer

Jennifer Sinclair
Interior Designer

Rob Milne, PE
Site Project Manager

Ken Smith, PE
Mechanical Engineer

Rick Standish
Engineering Technician

Bill Ratcliffe, REFP
Construction Contract Administrator

James Decker, MBA
Construction Estimator



Architecture Division Manager



Education

Bachelor of Science,
Architectural Engineering
Fairmont State University

Advanced Certificate,
Educational Facilities Planning
San Diego State University

Certifications

- > Accredited Learning
Environment Planner (ALEP)

Affiliations

- > American Institute of
Architects - Associate,
West Virginia and National
Chapters
- > Council of Educational
Facilities Planner
- > West Virginia Energy
Services Coalition
- > The Education Alliance
Business and Community for
Public Schools - Board of
Directors

Craig Baker, ALEP is an experienced designer and manager with an extensive background working with clients to design, plan, and manage projects both large and small. As an Accredited Learning Environment Planner (ALEP), he has a special interest in the functionality and design of educational facilities.

Craig has worked on a wide variety of projects during his tenure at Thrasher. His knowledge includes a thorough understanding of industrial facilities, administrative office spaces, academic building design, government buildings, residences, medical facilities, and hospitality.

As manager of Thrasher's Architectural Division, Craig works hand-in-hand with staff and clients to ensure projects remain on time and within budget. In addition to his strong technical skills, Craig's attention to client communication and responsiveness make him an excellent manager. He manages coordination of construction, detailed construction document preparation, bidding, construction management and contract administration.

Experience

Fairmont State University Performing Arts Center

Role: Architecture Division
Manager
> Marion County, WV

Chapmanville Regional High School Auxiliary Gymnasium

Role: Principal
> Logan County, WV

Genesis Youth Crisis Center Gymnasium Facility Improvements

Role: Architecture Division
Manager
> Harrison County, WV

Grand Hall at WP Point, Summit Bechtel Reserve

Role: Architecture Division
Manager
> Fayette County, WV

The Summit Bechtel Reserve, Boy Scouts of America Welcome Center

Role: Principal
> Fayette County, WV

West Virginia University Institute of Technology Interior Renovations to the Student Recreation Center

Role: Architecture Division
Manager
> Fayette County, WV

Concord University Fine Arts Building Renovations

Role: Architecture Division
Manager
> Mercer County, WV

Fairmont State University Performing Arts Center

Role: Architecture Division
Manager
> Marion County, WV

Project Manager



Joe brings 15 years of architectural experience in all phases of design ranging from commercial renovations, additions, and new construction to historic preservation and multi- and single-family residential projects. Joe's resume is built with architectural experience from Savannah, GA; Atlanta, GA; Charleston, WV; and North Central West Virginia. Joe joined the Thrasher team in 2017.

Joe is an Iraq War Veteran and former member of the West Virginia Army National Guard where he served as a Combat Engineer and Squad Leader. In addition to working full-time as an Architect at Thrasher, Joe serves as an Adjunct Professor in the Construction Management program at BridgeValley Community & Technical College in South Charleston, WV. Joe's expertise lies in project design, management, production, and delivery.

Education

Master of Architecture,
Savannah College of Art &
Design

Bachelor of Science,
Architectural Engineering
Fairmont State University

Registrations

Professional Architect:
> West Virginia
> Virginia

Certifications

> NCARB Certificate
> LEED Accredited
Professional, Building Design
& Construction (GBCI)
> Construction Documents
Technologist (CDT)
Construction Specifications
Institute (CSI)

Affiliations

> Member American Institute
of Architects – West Virginia
Chapter
> Member – United States
Green Building Council
(USGBC) – West Virginia
Chapter

Experience

Manos Theater Facility Assessment and Cost Estimate

Role: Project Architect
> Taylor County, WV

WV Purchasing Building 23 Evaluation

Role: Project Architect
> Raleigh County, WV

Navy Southeast Military Housing and Community Centers

Role: Project Architect
> Southeast, USA

Carlisle Barracks Military Housing and Community Center

Role: Project Architect
> Cumberland County, PA

Adaptive Reuse of the Jack Caffrey Arts & Culture Center

Role: Project Architect/
Manager
> McDowell County, WV

Design of the Beech Fork Lodge and Conference Center

Role: Project Architect
> Wayne County, WV

2nd Avenue Community Center Facility Assessment and Restoration

Role: Project Architect
> Kanawha County, WV

Project Manager

The West Virginia Board of Architects

certifies that

RYAN JOSEPH SINCLAIR

is registered and authorized to practice
Architecture in the State of West Virginia.

In testimony whereof this certificate has been issued
by the authority of this board.

Certificate Number [REDACTED]

The registration is in good standing until June 30, 2020.



A handwritten signature in cursive script, reading "Graily Papadopoulos", enclosed in a rectangular box.

Board Administrator

Project Architect



Amanda Cheuvront, AIA, NCARB is a highly talented project architect with a portfolio ranging from small interior renovations to large campus planning endeavors. Over the past decade, Amanda has been involved with numerous commercial building and healthcare projects and specializes in educational facility design.

Her experience has included all facets of project development, including client relations, design proposals, presentations, programming, project coordination, marketing, feasibility studies, and construction administration. Her versatility and knowledge working throughout the Mid-Atlantic region make her a great manager and a powerful addition to any team.

Education

Master of Science,
Architecture
University of North Carolina at
Charlotte

Bachelor of Science,
Architectural Engineering
Fairmont State University

Registrations

Professional Architect:
> West Virginia
> Virginia

Certifications

> NCARB Certificate

Affiliations

> Member – American Institute
of Architects (AIA) – WV
Chapter
> AIA West Virginia's AIA
Safety Assessment Program
Training

Experience

New Crum Pre-K - 8

Role: Architect and Interiors
> Wayne County, WV

Oak Hill High School Additions and Renovations

Role: Project Manager/
Architect
> Fayette County, WV

Ritchie County Middle/High School Renovations

Role: Project Manager/
Architect
> Ritchie County, WV

Valley High School Gymnasium Addition

Role: Project Designer
> Fayette County, WV

The New Ceredo-Kenova Elementary School

Role: Architect, Contract
Administrator, Interiors
> Wayne County, WV

Renovations to St. Marys Elementary and Belmont Elementary Schools

Role: Project Manager/
Architect
> Pleasants County, WV

New Explorer Academy

Role: Project Architect
> Cabell County, WV

Southside Elementary School Additions and Renovations

Role: Project Manager/
Architect
> Cabell County, WV

Midland Trail High School Additions and Renovations

Role: Project Manager/
Architect
> Fayette County, WV

Valley High School Additions and Renovations

Role: Project Architect
> Fayette County, WV

Project Architect

The West Virginia Board of Architects

certifies that

AMANDA JO CHEUVRONT

is registered and authorized to practice
Architecture in the State of West Virginia.

In testimony whereof this certificate has been issued
by the authority of this board.

Certificate Number [REDACTED]

The registration is in good standing until June 30, 2020.



A handwritten signature in cursive script, reading "Emily Papadopoulos", enclosed in a grey rectangular box.

Board Administrator

Project Designer



Marsha Benson, Assoc. AIA, LEED GA is an emerging professional that brings energy and enthusiasm to each project. As a drafter and designer she is able to effectively communicate with clients and problem solve to achieve the desired outcome. She has worked on variety of projects at Thrasher including office buildings, educational buildings, and government buildings from schematic design to construction documents and construction administration. Marsha values the work that she does and makes it her goal to enhance lives through Architecture.

Education

Bachelor of Science,
Architecture
Fairmont State University

Master of Architecture,
North Carolina State University

Registrations

- > Assoc. AIA
- > LEED GA

Experience

Greater Bridgeport Convention and Visitor Bureau

Role: Drafting and Design
> Harrison County, WV

Fairmont State University CVB Bridgeport 2nd Story Renovations

Role: Drafting and Design
> Harrison County, WV

Greater Bridgeport Convention and Visitor Bureau

Role: Drafting and Design
> Harrison County, WV

Doddridge County Elementary School Entry Addition

Role: Drafting and Design
> Doddridge County, WV

Tri- State Airport Authority Huntington Tri- State Airport Elevator Tower

Role: Drafting and Design
> Cabell County, WV

Marshall County Commission Animal Shelter Project

Role: Technical Designer
> Marshall County, WV

Interior Designer



Education

Bachelor of Science,
Interior Design
West Virginia University

Jennifer received a Bachelor of Science in Interior Design from West Virginia University. After graduation, she started her interior design career in Savannah, GA, working for a commercial interior design firm. During that time, Jennifer worked on several healthcare projects throughout Savannah. Later on, Jennifer worked for a residential design-build firm as a commercial interior designer.

Throughout her career, Jennifer has completed a variety of projects including residential remodeling, multi-family apartments, and condominium model designs. A few of her recent roles have included: showroom designer, residential design-build contractor, and interior designer. Jennifer currently owns and operates her own interior design firm specializing in both commercial and residential projects.

Experience

Culloden Elementary School Addition

Role: Interior Designer
> Cabell County, WV

Kindergarten Center Remodel

Role: Interior Designer
> Jackson County, WV

WV State Police New Facility

Role: Interior Designer
> Jackson County, WV

City of Ripley New 911 Facility

Role: Interior Designer
> Jackson County, WV

Explorer Academy

Role: Interior Designer
> Cabell County, WV

Ceredo-Kenova Elementary New School

Role: Interior Designer
> Wayne County WV

The Goodwill Prosperity Center

Role: Interior Designer
> Kanawha County, WV

WV Insurance Commissioner Office Relocation and Remodel

Role: Interior Designer
> Kanawha County, WV

Valley West Animal Hospital New Facility

Role: Interior Designer
> Kanawha County, WV

Site Project Manager



Robert Milne, PE has over 25 years of experience working with both public and private clientele throughout the Mid-Atlantic region to develop millions of dollars' worth of commercial, industrial, residential, and mixed-use sites. Rob's in-depth understanding of site layout, design, permitting, and funding have enabled him to complete several complex projects that have boosted economic development and delivered safe, sustainable building sites. Rob remains involved with every facet of the projects he manages - overseeing design standards, staff assignments, project schedules, and client communication.

Education

Master of Science,
Civil Engineering
West Virginia University

Bachelor of Science,
Civil Engineering
West Virginia University

Registrations

Professional Engineer:

- > West Virginia
- > Pennsylvania
- > Virginia
- > Ohio
- > Maryland

Affiliations

- > Leadership Monongalia County, WV
- > Foundations of Leadership/ National Leadership Institute

Experience

Camp Upshur Marine Corps Base

Role: Project Manager
> Prince William County, VA

A/E Support Services Multiple Award Task Order Contracts (Nationwide) Alderson Federal Prison Camp

Role: Lead Civil Engineer
> Greenbrier County, WV

Andrews Air Force Base

Role: Project Manager
> Prince George's County, MD

West Virginia University Architectural and Engineering Open-End

Role: Project Manager
> Monongalia County, WV

Tema Manufacturing Facility, Burr Industrial Park

Role: Project Manager
> Jefferson County, WV

Rockwool Manufacturing Facility

Role: Project Manager
> Jefferson County, WV

America's Best Block Industrial Park

Role: Project Manager
> Mineral County, WV

Fort Leavenworth AIE

Role: Project Manager
> Leavenworth County, KS

Morgantown Event Center and Garage

Role: Project Manager
> Monongalia County, WV

Seneca Village Pison Site Development

Role: QA/QC
> Monongalia County, WV

The Dayton Mixed-Use Residential Housing Structure

Role: Project Manager
> Monongalia County, WV

Site Project Manager

West Virginia State Board of Registration for Professional Engineers *Licensure Verification*

Search: Details

Name:	ROBERT R. MILNE
WV Professional Engineer:	PE License Number: [REDACTED]
	PE License Status: Active
	PE Issue Date: 07/28/1999
	PE Expiration Date: 12/31/2020
Continuing Education Claim:	Qualifying Hours from Last Renewal or Reinstatement: 47.50
	Carryover Hours for Next Renewal: 15.00
	Last Renewal or Reinstatement Date*: 12/31/2018
WV Engineer Intern:	EI Certification Number: 7244
	EI Issue Date: 07/01/1998
Primary Address of Record:	[REDACTED]
Primary Employer of Record:	THE THRASHER GROUP, INC. 600 WHITE OAKS BOULEVARD PO BOX 940 BRIDGEPORT, WV 26330



**West Virginia State Board of Registration
for Professional Engineers**

ROBERT R. MILNE
WV PE # [REDACTED]

This is to certify that the above named PROFESSIONAL ENGINEER has met the requirements of the law, is duly registered and is entitled to practice engineering in the State of West Virginia.

EXPIRES December 31, 2020

Mechanical Engineer



Education

Bachelor of Science,
Mechanical Engineering
West Virginia University

Registrations

Professional Engineer:
> West Virginia
> Virginia
> Ohio

Ken Smith has become a vital member of the Thrasher team with his impressive experience in mechanical engineering, project management, and construction administration. His skills in HVAC system design (heating, ventilation, and air conditioning), bidding and estimating, and energy efficiency has led to the success of numerous projects.

Ken utilizes notable leadership and communication skills as a Project Manager by coordinating with clients and engineers regarding project requirements. Additionally, he has extensive proficiency in designing HVAC systems for offices, schools, multifamily residential buildings, and other structures while simultaneously coordinating with the building's water and wastewater facilities.

Experience

Ventilation System - Welding Lab Advanced Technological Center

Role: Project Manager & Designer
> Marion County, WV

NC State University Alumni Center

Role: Project Manager & Mechanical Engineer of Record
> Wake County, NC

NC State University Visitors Center

Role: Project Manager & Mechanical Engineer of Record
> Wake County, NC

Square 54 - Multifamily Residential High Rise

Role: Mechanical Engineer of Record
> Washington, D.C.

Novant Billing Offices

Role: Project Manager & Mechanical Engineer of Record
> Mecklenburg County, NC

Hardy County Public Service District Office Building

Role: Project Engineer, HVAC system design
> Hardy County, WV

Mechanical Engineer

West Virginia State Board of Registration for Professional Engineers *Licensure Verification*

Search: Details

Name: KENNETH E. SMITH

WV Professional Engineer: PE License Number: [REDACTED]

PE License Status: Active

PE Issue Date: 07/16/1992

PE Expiration Date: 12/31/2020

Continuing Education Claim: Qualifying Hours from Last Renewal or Reinstatement: 56.00

Carryover Hours for Next Renewal: 15.00

Last Renewal or Reinstatement Date*: 12/31/2018

WV Engineer Intern: EI Certification Number:

EI Issue Date:

Primary Address of Record: [REDACTED]

Primary Employer of Record: THE THRASHER GROUP, INC.
300 ASSOCIATION DRIVE
CHARLESTON, WV 25311

* This date reflects the most recent license renewal (or reinstatement) date for this licensee. Continuing education hours earned prior to this date may **not** be used for future renewals.

This data was retrieved on 8/19/2019.

Engineering Technician



Rick Standish is a successful mechanical, electrical, and plumbing (MEP) Engineering Technician in Thrasher’s Utilities Division. He has over 45 years of knowledge in the industry and accumulated an impressive background of project experience. His responsibilities include cultivating client relationships, delivering quality work on time and within budget. Rick is proficient in HVAC systems, electrical load calculations, plumbing flow calculations, MEP layouts, fire alarm systems, shop drawing review, and field inspections.

Education

AutoCAD Program
West Virginia State University

Experience

Pea Ridge Public Service District

Role: Engineering Technician:
HVAC, Plumbing & Electrical Design
> Cabell County, WV

Town of Sophia Wastewater Treatment Plant

Role: Engineering Technician:
HVAC, Plumbing & Electrical Design
> Raleigh County, WV

Greenbrier County Public Service District #2

Role: Engineering Technician:
HVAC, Plumbing & Electrical Design
> Greenbrier County, WV

City of Clarksburg Wastewater Treatment Plant

Role: Engineering Technician:
HVAC, Plumbing & Electrical Design
> Harrison County, WV

Malden Public Service District

Role: Engineering Technician:
HVAC, Plumbing & Electrical Design
> Kanawha County, WV

Construction Contract Administrator



Bill Ratcliffe, REFP has over two decades of experience involved in the completion of successful construction projects. He has spent the last 15 years of his career working as a construction contract administrator on public and private projects, ensuring the successful completion of projects. Bill also spent 14 years of his career working for the West Virginia School Building Authority (SBA) where he worked with architects during the planning, design, & construction phases on hundreds of projects.

Education

Regents Degree,
West Virginia State University

Registrations

> Recognized Educational
Facility Planner (REFP)

Bill's strong relationships with countless regulatory and building entities combined with his hands-on experience make him an excellent project manager and an invaluable member of the Thrasher team.

Experience

Greene County Memorial Recreation Center Project

Role: Construction Contract Administrator

> Greene County, PA

Calhoun Gilmer Career and Technical Center Improvements Project

Role: Construction Contract Administrator

> Calhoun County, WV

Camden-on-Gauley Medical Center Summersville Clinic

Role: Construction Administration

> Nicholas County, WV

WVU Robert C. Byrd Testing Center Renovations, Charleston Area Medical Center

Role: Construction Administrator

> Kanawha County, WV

Jefferson County Convention and Visitors Bureau Addition and Renovations

Role: Construction Contract Administrator

> Jefferson County, WV

WVU Robert C. Byrd Testing Center Renovations, Charleston Area Medical Center

Role: Construction Administrator

> Kanawha County, WV

Mid-Ohio Valley Technical Institute Improvements

Role: Construction Administration

> Pleasants County, WV

Berkeley Springs High School Additions and Renovations

Role: Construction Contract Administrator

> Morgan County, WV

Construction Estimator



Education

Master of Business Administration,
Project Management Emphasis
Fairmont State University

Bachelor of Science,
Civil Engineering
Fairmont State University

Associates Degree,
Mechanical Engineering
Fairmont State University

Registrations

General Contractor:
> West Virginia

Affiliations

- > Leadership Marion County
- > Leadership Fairmont State University

Jim Decker, MBA brings nearly 30 years of experience in construction estimating and management for the private and public sectors. He provides services with inspections, site monitoring, cost control, schedules, contract administration, payment processing, shop and coordination drawings, change orders and project reports.

His role as a construction estimator allows for clients to be able to recognize a true price when it comes to their projects. Jim is also a Licensed General Contractor in the State of West Virginia. As a General Contractor he is able to oversee the day-to-day functions of the construction site.

Previously, Jim was the facilities director at a local educational institution for 10 years. Jim relates well with his clients because he approaches the situation from both a consultant and client perspective.

Experience

**Fairmont State University
Student Recreation Center,
"Falcon Center"**

Role: Construction Estimator
> Marion County, WV

**Fairmont State University
Engineering Building
Addition and Renovations**

Role: Construction Estimator
> Marion County, WV

**Cheat Lake Elementary
School New Construction**

Role: Construction Estimator
> Monongalia County, WV

**Bridgeport Middle School
New Construction**

Role: Construction Estimator
> Harrison County, WV

**Romney Public Works
Building New Facility**

Role: Construction Estimator
> Hampshire County, WV

**Dominion Natrium Plant
Processing Facility Additions**

Role: Construction Estimator
> Monongalia County, WV

**Dominion Goshen Road New
Facility**

Role: Construction Estimator
> Monongalia County, WV

Company Overview



Office Location

West Virginia Office
 650 MacCorkle Avenue West
 St. Albans, WV 25177
 P: (304) 201-5180
 F: (304) 201-5182



NGE was founded in the fall of 2002 by Amy Veltri and John Nottingham, a management team with a combined 40 years of industry experience. Advances in engineering, science and technology, coupled with regulatory, legal, and compliance pressures, create increasingly complex challenges for businesses. NGE strives to keep pace with these changes, with an eye to supporting our clients' changing needs. NGE has grown into a dependable and flexible environmental and geotechnical consulting firm providing a wide range of professional services, including Environmental Consulting, Geotechnical Engineering and Environmental Construction/Remediation.

Since its inception, NGE has hired and retained the best and brightest talent in the industry. Our staff have relevant experience and qualifications to complete complex environmental and geotechnical projects. After establishing a solid foundation and longstanding reputation in the region and across the nation as an innovative, sophisticated, forward-thinking environmental and geotechnical consulting firm, we are proud of our roots and the progressive environment we have created for our dedicated employees.

Renowned Geotechnical Work

NGE has garnered a variety of certifications and awards over the years in the environmental and geotechnical consulting industry. These accomplishments and accolades bear testament to the impeccable standards that we strive to achieve at NGE. They help differentiate our company from our competitors and serve to distinguish our employees as the "best of the best."

Experience with Thrasher

Doddridge Athletic Complex

Role: Geotech
 > Doddridge County, WV

America's Best Block Facility

Role: Geotech
 > Mineral County, WV

Boy Scouts of America

Welcome Center
 Role: Geotech
 > Fayette County, WV

Jefferson County Airport

Role: Geotech
 > Jefferson County, WV

City of Beckley Police Department

Role: Geotech
 > Raleigh County, WV

Huntington Tri-State Airport

Role: Geotech
 > Wayne County, WV

Company Overview



Allegheny Design Services (ADS) provides Structural & MEP facility engineering design services to architects, industrial and commercial contractors, and owners.

ADS's engineering has established itself as the leading multi-discipline engineering firm in West Virginia. Our reputation for responsiveness, competence, creativity and value is well-known.

We understand that engineering is not a stand-alone function, but a part of the design effort of the architect and other consultants. Our job doesn't stop at the delivery of construction drawings. Understanding the construction process is as important. ADS is the link between the architects creativity and the efficient construction of the project.

Structural Services

ADS works closely with architects and contractors to provide the engineering support that turn their vision into reality.

The large expanses and dynamic visual cues of modern architectural design often require unique engineering solutions to maintain structural integrity while providing the vision the architect wants to achieve. Allegheny Design Services are the link between the architect's design, the contractor's finished structure, and the owner's satisfaction.

Experience

City of Beckley New Police Station

Role: MEP & Structural Engineer
 > Raleigh County, WV

America's Best Block Facility

Role: MEP Engineer
 > Mineral County, WV

Dominion Resources New Headquarter Facility

Role: MEP & Structural Engineer
 > Harrison County, WV

Greater Bridgeport Convention and Visitors Bureau

Role: MEP & Structural Engineer
 > Harrison County, WV

Morgantown Event Center Parking Garage

Role: Structural Engineer
 > Monongalia County, WV

The Thrasher Group Headquarter Facility

Role: MEP & Structural Engineer
 > Harrison County, WV

Antero Resources Campus Buildings

Role: MEP & Structural Engineer
 > Harrison County, WV



J.W. Marriott Jr. Leadership Center and Yamagata Hall

Client Contact:

Mr. Rob Ridgeway, Dept. Manager, Facilities
and Development Director
2550 Jack Furst Drive | Glen Jean, WV 25846
304-465-2800

The JW Marriott Leadership Center is one of several new buildings being constructed at the Summit Bechtel Reserve in Glen Jean, West Virginia. This building will work in conjunction with other activities at the Reserve as a remote retreat designed to stimulate out-of-the-box thinking while immersing guests in a wooded habitat with expansive views of the valley below.

The JW Marriott Leadership Center provides numerous spaces for educational, social, and dining activities with a flexible, fluid design. The building contains a two-story lobby that offers several break-out spaces for learning and collaboration, as well as a link to the adjacent lodge. Classrooms can be divided into different configurations to accommodate a variety of group sizes.

The building's auditorium - Yamagata Hall - can be adapted for use for lectures, movies, theater, and live music performance. Additionally, the primary spaces lack parallel walls and have sloping ceilings with unique lighting systems, while the circulation paths create an ever-unfolding environment.



Rex W. Tillerson Leadership Center

Client Contact:

Mr. Rob Ridgeway, Dept. Manager, Facilities and Development Director
2550 Jack Furst Drive | Glen Jean, WV 25846
304-465-2800

The Rex W. Tillerson Leadership Center is part of the Summit Bechtel Reserve in Glen Jean, West Virginia. This Center provides six educational classrooms and a Leadership Hall. This space was designed to service as a multi-functional hall that can serve a variety of gathering functions, such as lectures, banquet, and group educational activities.

The Thrasher Group provided architectural design for this project with a particular effort made to use sustainable and healthy materials at every opportunity. Furnishings and materials were chosen to create a healthy, active, and engaging learning environment in the classroom areas and an elegant, upscale space in the lecture hall. The building form features large expanses of glass in the classrooms to provide views of the woods, creating a connection between the interior and exterior environments. Additionally, a rain garden was created to help manage stormwater runoff on the project site.



Pigott Base Camp (Camp D) Dining Hall and Bunkhouse

Client Contact:

Mr. Rob Ridgeway, Dept. Manager, Facilities
and Development Director
2550 Jack Furst Drive | Glen Jean, WV 25846
304-465-2800

As part of the Pigott Base Camp, the new Camp D Dining Hall & Bunkhouse are positioned to overlook the broad expanse of the Summit Bechtel Reserve taking advantage of the Appalachian landscape. The Bunkhouse is designed to serve as a starting point and ending point for the day's adventures. The two-story building houses sleeping spaces, bathing spaces, and gathering spaces for up to 200 occupants and is attached to the nearby Dining Hall by a courtyard and a thoughtfully designed foyer that serves as the main entrance to both buildings.

The new Dining Hall features an exposed timber-framed structure housing a combination of indoor seating for up to 300 people and covered outdoor dining for up to 200 people. The building is designed with the potential to enclose the outdoor dining to create indoor seating for up to 500 occupants. Large walls of glass connect the indoor dining to the outdoor dining while clerestory windows illuminate the interior with natural light. The section adjacent to the north side of the dining hall houses a commercial kitchen and restrooms. The restrooms can be accessed from both the interior of the dining hall and kitchen, as well as from the exterior plaza between the two buildings. The overall form and materials of the dining hall were selected to integrate seamlessly with, and compliment, the natural Appalachian landscape and vernacular environment.



City of Beckley Police Department

Client Contact:

Mr. Rob Rappold, Mayor
409 S. Kanawha St | Beckley, WV 25802
304-256-1768

Thrasher was hired by the City of Beckley for the design of their new police department building. The services provided included architectural design; site, structural, mechanical, electrical, and plumbing engineering; survey; interior design; construction administration; and materials testing. The two-story, 25,000 square foot facility consists of a lobby/reception area, multiple offices, evidence processing and storage, interrogation rooms, records storage, holding cells, a patrol office, a large training room, a bunk room, men's and women's locker rooms, and a full exercise room with an adjacent mat room.





AIA West Virginia
A Chapter of The American Institute of Architects

**HONOR
AWARD**

FOR EXCELLENCE IN
ARCHITECTURE
INTERIORS

Jack Caffrey Arts and Culture Center

Client Contact:

Mr. Craig Snow, Executive Director
253 Main Caretta Road | War, WV 24892
304-8754821

Located at 168 Wyoming Street in downtown Welch, WV, the Jack Caffrey Arts and Culture Center consists of a second-level renovation and reuse of approximately 7,500 square feet. Originally a Post Office and later an automobile dealership, the historic structure greets visitors with a two-story interior made of exposed brick masonry walls, polished concrete floors, and large-span steel Pratt trusses supporting the roof. Large, existing window openings were replaced with new aluminum storefront glazing, allowing an abundance of natural light into the space. This warm, welcoming atmosphere makes for a perfect meeting area.

In addition to the aesthetic renovations, Thrasher's work on the Center created a safer environment in the building. The roof was replaced with a new membrane protecting to preserve the structure for many years to come. A second exit stair was uncovered and enclosed as well to improve the health, safety, and welfare of the building occupants.





St. Marys High School New School Construction

Client Contact:

Mr. Michael Wells, Superintendent
202 Fairview Drive | St. Marys, WV 26170
304-684-2215

Pleasants County needed a new school to replace their lone high school, which was 80 years old. Although a great source of pride for the community, the Pleasants County Board of Education chose to build a new school to provide students with a modern space for the next generation of learners.

Thrasher took on this project from start to finish, partnering with Pleasants County on everything from design through construction administration. This also included bond assistance – a bond was passed in Pleasants County in 2010 that allowed for demolition of

the old high school, construction of the new school, renovations to Belmont Elementary, and updates on athletic facilities throughout the county.

In order to respect the history of the school and involve the community in the process, Thrasher worked to get input and feedback from those willing to voice their ideas. Thrasher then took the information collected and filtered it through the requirements and formula of SBA and WVDOE to develop plans that met the needs of all involved.

Project highlight: This complex project was completed on-time for the scheduled opening. The total change orders for the project – mostly Owner requested – amounted to only 1.6% of the overall contract sum.



ARCHITECTURE

Thrasher offers a broad range of Architecture and building design services to suit the needs of each individual client. Our approach to understand our clients' goals and challenges makes us sought after in a variety of markets: educational facilities, commercial and retail spaces, healthcare facilities, government buildings, banking and financial institutions, and industrial warehouses to name a few.

We have experience in numerous delivery systems, including design-build, design-bid-build, and have worked with owners to develop preliminary packages for alternative selection.

At Thrasher, we pride ourselves on exemplary aesthetic design while keeping our roots firmly planted in accurate cost estimating, budget control, and sustainability. Fulfilling our clients' needs in a responsible and innovative way has earned our firm recognition throughout the Mid-Atlantic region.

Architectural Expertise:

- > Public and Private Office Buildings
- > Healthcare Facilities
- > Educational Facilities
- > Financial Institutions
- > Building Additions and Renovations
- > Recreational Facilities
- > Public Safety Buildings
- > Single-Family Residential
- > Multi-Family Residential
- > Historic Preservation
- > LEED Certification
- > Adaptive Reuse



VIRTUAL REALITY

Thrasher combines cutting-edge computer technology with the expertise of architects and designers to develop 3D models of proposed projects. Based on the Building Information Modeling (BIM) models developed during the design process, these virtual reality models (VR) can be viewed and studied from any angle and are an invaluable tool for communicating the intent of a design idea. With VR images and animations, a design concept can be experienced and understood in a way that is not possible with traditional floor plans.



Thrasher's VR modeling generates excitement about a project's potential before any construction begins! Our personnel have created hundreds of VR models, and it has become an essential tool to the design process.



INTERIOR DESIGN

Thrasher offers a broad range of interior design services to meet the needs of each project. Our interior design staff specializes in taking your space from average to spectacular. We take time to listen to our clients and learn their vision for the space. If visualization isn't your strong suit, our designers will come up with multiple schemes for you to choose from to ensure we give you a space of which you can be proud.

Whether you prefer bright and bold or more traditional finishes, our team is sure to come up with a design that works for you. All of our designs utilize environmentally-friendly materials, but if you prefer to obtain LEED certification, our interior design team holds the esteemed LEED certified interiors accreditation. No matter whether your interior design needs are large or small, our team of professionals will be there to guide you every step of the way.

Interior Design Expertise:

- > Tenant Fit-Outs
- > Public and Private Office Buildings
- > Healthcare Facilities
- > Educational Facilities
- > Financial Institutions
- > Building Additions and Renovations
- > Recreational Facilities
- > Public Safety Buildings
- > Single-Family Residential
- > Multi-Family Residential
- > Historic Preservation
- > LEED Certification



SITE DEVELOPMENT

Engineering for site development is far from a “one size fits all” approach. Every project is unique and requires a blend of technical expertise, planning principals, efficient design, market realities, and the flexibility to seize opportunities. With our diverse staff, Thrasher has a winning combination of talent to take projects from design to reality.

At Thrasher, we understand that the design of a successful site development project must factor in economic landscape, political implications, and strategic planning that takes projects beyond engineering. The Thrasher team possesses expertise in every facet of development, including site selection and planning, grading, storm water management, erosion and sediment control, permitting, and infrastructure design.

We pride ourselves on being a partner in projects that improve the quality of life for residents and provide economic sustainability to communities.

Site Development Expertise:

- > Industrial and Business Parks
- > Mixed-Use Developments
- > Athletic Facilities
- > Federal Correctional Facilities
- > Streetscapes and Sidewalk Planning
- > Commercial Developments
- > Single and Multi-Family Residential Development
- > Primary, Secondary, and Higher Education Facilities
- > Recreational Resorts and Guest Lodging
- > Shopping Plazas



CIVIL ENGINEERING

Water Treatment & Distribution

Thrasher brings experience, practical knowledge and advanced technology to clients ranging from regional to small communities' water systems. Our engineers have designed and managed the construction of hundreds of miles of water distribution lines, millions of gallons of storage, and numerous system rehabilitations that successfully reduced water loss and increased reliability.

Wastewater Collection & Treatment

Wastewater collection and treatment systems are vital to the health of rural communities and municipalities. Cost-versus-benefit Environmental and technological issues are all involved.

Stormwater Systems

Thrasher is prepared to take on challenges to make your stormwater management project a success. In the not so distant past, storm water management was not a significant issue. It was "out of sight, out of mind." That is no longer the case. Ever-increasing regulations, the creation of public storm water utilities, and the focus on downstream effects of development are pushing stormwater management issues to the forefront.

Site Development

Engineering for site development is far from a "one size fits all" approach. Every project is unique and requires a blend of technical expertise combined with quality planning principles, efficient design, market realities, and flexibility to seize opportunities. With our diverse staff, Thrasher has the right blend of talent to make your project a success.

Roadways & Bridges

From industries to local families, the nation depends on the strength of highways, bridges, and even pedestrian walkways. No matter what the mode of land transportation, Thrasher gets our clients where they want to be.



CONSTRUCTION ADMINISTRATION

Effective management of our projects ensures that both clients and contractors work in an efficient and safe manner. From pre-construction activities - such as bid conferences and surveys - to inspections, job progress reviews, and on through final completion, our goal is work that proceeds in accordance with plans and specifications.

At Thrasher, we inspect and manage a wide variety of projects designed by our firm in addition to projects for contractors and other designers. We have certified project representatives responsible for overseeing every element of design integrity. Our methods have earned the respect of not only our clients, but contractors and project owners alike.

Construction Inspection Services:

- > Construction Materials
- > Pipelines
- > Structural Steel & Concrete
- > Paving
- > Drainage
- > Embankments
- > Work Zone Safety & Traffic Control
- > Erosion and Soil Control

Quality Control and Assurance Methods:

- > Regularly Scheduled Planning and Progress Meetings
- > Engineering During Construction
- > Daily Logs and Progress Sheets
- > Cut Sheets
- > Quantity Tracking

A large, faint watermark of the Thrasher logo, which is a stylized five-pointed star, is centered on the page. The word "THRASHER" is printed in a bold, black, stylized font across the middle of the star.

THRASHER