



The following documentation is an electronically-submitted vendor response to an advertised solicitation from the *West Virginia Purchasing Bulletin* within the Vendor Self-Service portal at ***wvOASIS.gov***. As part of the State of West Virginia's procurement process, and to maintain the transparency of the bid-opening process, this documentation submitted online is publicly posted by the West Virginia Purchasing Division at ***WVPurchasing.gov*** with any other vendor responses to this solicitation submitted to the Purchasing Division in hard copy format.

## Header @ 1

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[General Information](#) [Contact](#) [Default Values](#) [Discount](#) [Document Information](#) [Clarification Request](#)

Procurement Folder: 1486857

SO Doc Code: CEOI

Procurement Type: Central Purchase Order

SO Dept: 0603

Vendor ID: 000000204787

SO Doc ID: ADJ2500000003

Legal Name: THE THRASHER GROUP INC

Published Date: 8/9/24

Alias/DBA:

Close Date: 8/22/24

Total Bid: \$0.00

Close Time: 13:30

Response Date: 08/22/2024

Status: Closed

Response Time: 12:57

Solicitation Description: FMS#4 Maintenance Shop Design- Camp Dawson

Responded By User ID: Thrasher

Total of Header Attachments: 1

First Name: Maggie

Total of All Attachments: 1

Last Name: Hart

Email: mhart@thethrashergroup.cor

Phone: 304-624-4108



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

State of West Virginia  
Solicitation Response

**Proc Folder:** 1486857  
**Solicitation Description:** FMS#4 Maintenance Shop Design- Camp Dawson  
**Proc Type:** Central Purchase Order

Solicitation Closes	Solicitation Response	Version
2024-08-22 13:30	SR 0603 ESR08222400000001407	1

**VENDOR**  
000000204787  
THE THRASHER GROUP INC

**Solicitation Number:** CEOI 0603 ADJ2500000003  
**Total Bid:** 0  
**Response Date:** 2024-08-22  
**Response Time:** 12:57:13  
**Comments:** N/A

**FOR INFORMATION CONTACT THE BUYER**  
David H Pauline  
304-558-0067  
david.h.pauline@wv.gov

<b>Vendor Signature X</b>	<b>FEIN#</b>	<b>DATE</b>
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All offers subject to all terms and conditions contained in this solicitation

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
1	FMS#4 Maintenance Shop Design-Camp Dawson				0.00

Comm Code	Manufacturer	Specification	Model #
81101508			

**Commodity Line Comments:** N/A

**Extended Description:**

Provide professional architectural and engineering design services per the attached documentation.



THRASHER

# WEST VIRGINIA ARMY NATIONAL GUARD

## Camp Dawson Field Maintenance Shop Design

**Submitted by:**  
The Thrasher Group, Inc.  
August 22, 2024

**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) Craig Baker, Principal

(Address) 600 White Oaks Blvd. | Bridgeport, WV 26301

(Phone Number) / (Fax Number) 304-624-4108 / 304-624-7831

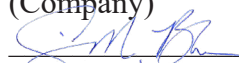
(Email address) cbaker@thethrashergroup.com

**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.

The Thrasher Group, Inc.

(Company)



(Signature of Authorized Representative)

Craig Baker, Principal August 21, 2024

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

304-624-4108 / 304-624-7831

(Phone Number) (Fax Number)

cbaker@thethrashergroup.com

(Email Address)

**ADDENDUM ACKNOWLEDGEMENT FORM**  
**SOLICITATION NO.:** ADJ 25\*3

**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:**

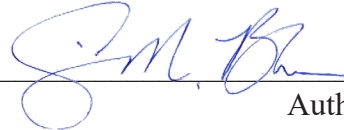
(Check the box next to each addendum received)

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

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

\_\_\_\_\_  
The Thrasher Group, Inc.

Company

\_\_\_\_\_  


Authorized Signature

\_\_\_\_\_  
August 21, 2024

Date

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

Revised 6/8/2012

STATE OF WEST VIRGINIA  
Purchasing Division**PURCHASING AFFIDAVIT**

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

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

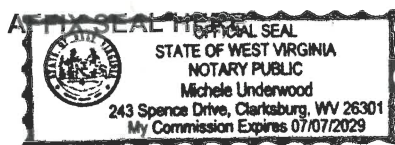
**DEFINITIONS:**

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

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

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

**AFFIRMATION:** By signing this form, the vendor's authorized signer affirms and acknowledges under penalty of law for false swearing (W. Va. Code §61-5-3) that neither vendor nor any related party owe a debt as defined above and that neither vendor nor any related party are in employer default as defined above, unless the debt or employer default is permitted under the exception above.

**WITNESS THE FOLLOWING SIGNATURE:**Vendor's Name: The Thrasher Group, Inc.Authorized Signature: [Signature] Date: August 21, 2024State of West VirginiaCounty of Harrison, to-wit:Taken, subscribed, and sworn to before me this 21 day of August, 2024.My Commission expires JULY 7, 2029

NOTARY PUBLIC

[Signature]

Purchasing Affidavit (Revised 07/01/2012)

August 22, 2024

Attn: Mr. David Pauline, Buyer  
Electronic Upload via wvOASIS

*RE: West Virginia Army National Guard — Camp Dawson Field Maintenance Shop Design*

Dear Mr. Pauline and Members of the Selection Committee:

The West Virginia Army National Guard is looking for a firm to help provide architectural and engineering design services to help renovate and update the Field Maintenance Shop at Camp Dawson. Our extensive experience with projects of this nature make The Thrasher Group the right firm for the job.

Thrasher's team of engineers, architects, and designers that are ready for this job have the knowledge and understanding of what is needed for this project to ensure that the end result aligns with the goals of the WVANG. Our history of work with the WVANG gives the reassurance that we are a reliable partner that is with you every step of the way in order to achieve a successful outcome.

As a full-service consulting firm, Thrasher allows you to be confident that all aspects of this project are completed at the highest ability. Our team is more than qualified to bring this project to life at the WVANG's standards. Thank you for considering us for this project - we look forward to the opportunity to collaborate with you.

Sincerely,  
The Thrasher Group, Inc.



Bill Cook, AIA, NCARB, LEED AP  
Project Manager



## 300+

### EMPLOYEES

- 36 Licensed Professional Engineers
- 10 Licensed Professional Surveyors
- 7 Licensed Professional Architects
- 3 Licensed Professional Landscape Architects

### MAIN POINT OF CONTACT:

Bill Cook, AIA, NCARB, LEED AP  
 Project Manager and Architect  
 bcook@thethrashergroup.com  
 Cell: 304-203-2449  
 Office: 304-624-4108



## 40+

### YEARS

of delivering successful projects



## 7

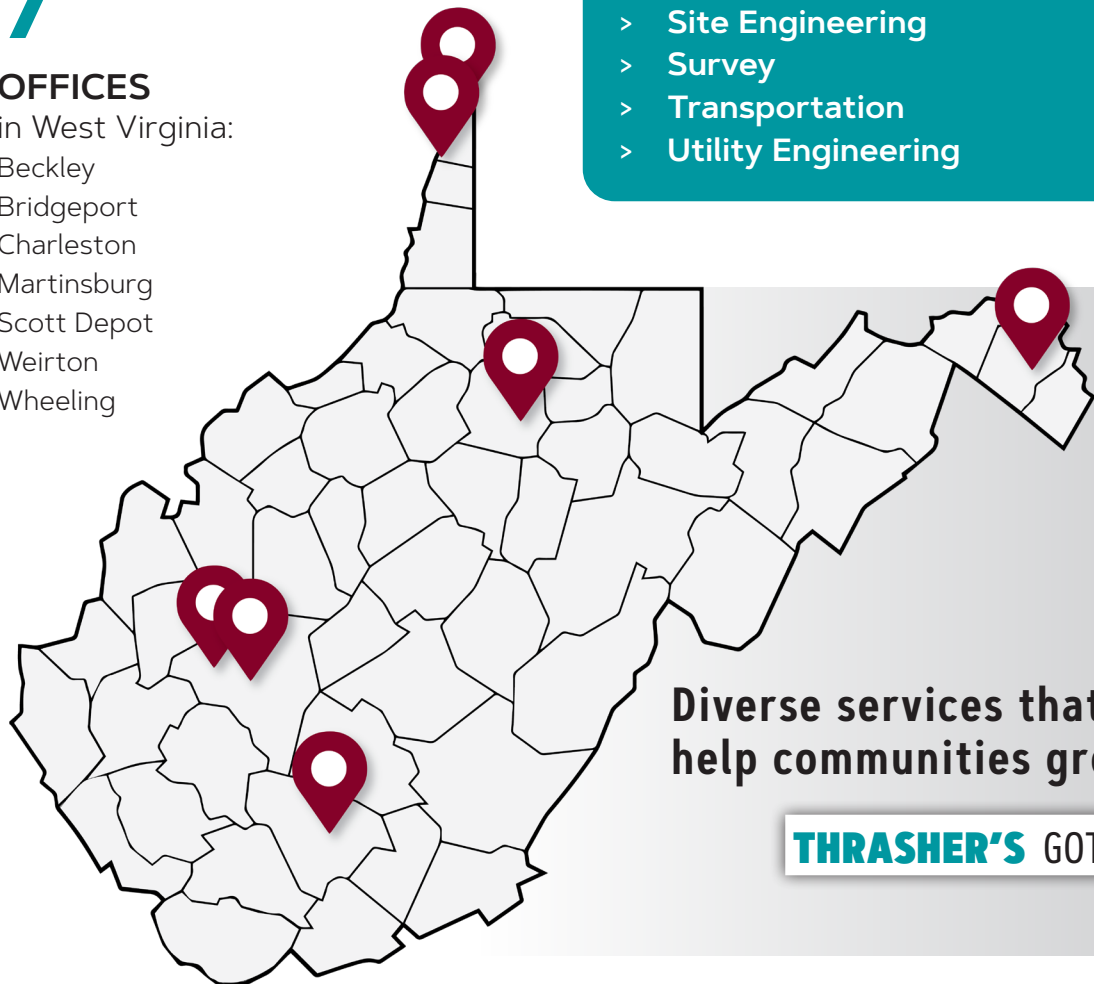
### OFFICES

in West Virginia:

Beckley  
 Bridgeport  
 Charleston  
 Martinsburg  
 Scott Depot  
 Weirton  
 Wheeling

### OUR SERVICES

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



Diverse services that  
 help communities grow.

**THRASHER'S** GOT IT

Thrasher has successfully completed several projects for the West Virginia Army National Guard. We bring a comprehensive team of engineers, architects, and landscape architects to design facilities that are not only functional but aesthetic and easy to maintain. This team of multi-disciplinary experts has partnered with the Guard on a variety of project types over the years.

Below is a sampling of the projects we have done for the West Virginia Army National Guard.

## Thrasher Projects:

- » Stormwater Pollution Prevention Plan and Spill Prevention, Control, and Countermeasure Plan Development
- » National Pollutant Discharge Elimination System Individual Permit
- » Camp Dawson Stormwater
- » Wheeling Stormwater
- » Vehicle Wash Permits
- » Williamstown Apron Rehabilitation



A critical step in meeting your goals is first ensuring we understand your vision for the project. Thrasher's team has thoroughly reviewed the expression of interest request and is confident in our ability to deliver the highest-quality solutions for your needs. 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 a renovation and modernization at the Field Maintenance Shop at Camp Dawson and will handle them in the following manner:

## GOAL 2.1

- » We recognize that this project is necessary in order to bring the building and all systems within it to current building codes. With that in mind, Thrasher will provide designs that include all of the key design elements requested by the Guard, and we will focus on aligning these designs with current building codes to help ensure a modern and safe facility. Whether through HVAC upgrades or roof replacements, our team is well versed in the many potential items required for a successful building renovation. To that end, we have all of the expertise in-house to handle the designs, including several staff members who are LEED Certified and will be able to ensure that energy efficiency is at the forefront of our designs.

## GOAL 2.2

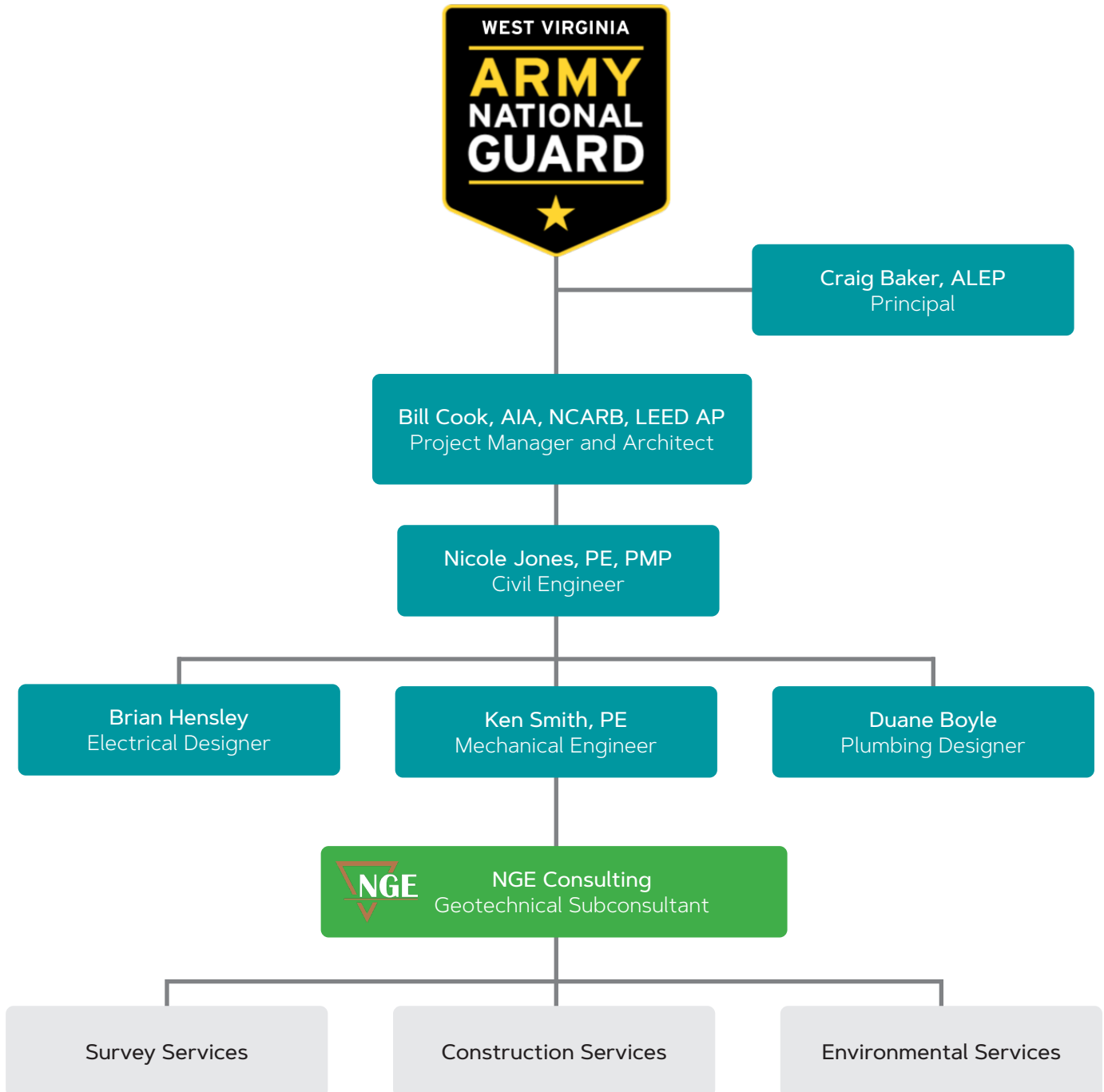
- » As the architect of record for this work, Thrasher will lead all aspects of the project. Our staff will coordinate with our long-time partners NGE to handle any necessary geotechnical engineering, the only piece of this project that would be potentially require a sub-consultant. We will also ensure all appropriate utilities research is completed and infrastructure drawings are provided as needed. Having ongoing experience with projects in the area and past relationships with the City of Kingwood, our staff will be able to seamlessly assist with any coordination necessary.

## GOAL 2.3

- » Thrasher will provide the Guard with a 35% design during the initial phase of this project. In the following phases, we will continue the process and provide additional drawings for review at the 65%, 95%, and 100% stages, with cost estimates revised at each stage.

## GOAL 2.4

- » As a full-service firm, Thrasher has the capabilities to facilitate the bidding process and provide an on-site Project Representative throughout construction. Our team will help ensure the project moves along seamlessly and the Guard is kept apprised of all progress, with timely updates on any challenges that arise.





# CRAIG BAKER, ALEP

PRINCIPAL

## 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

## PROFESSIONAL OVERVIEW

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 Architecture Market, 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

### Doddridge County Schools New Bus Garage Facility

Principal | Doddridge County, WV

### Doddridge County Schools Maintenance Building and Career Center

Principal | Doddridge County, WV

### Pea Ridge Public Service District Maintenance Facility

Principal | Cabell County, WV

### North Central West Virginia Airport ARFF Building Criteria Development

Principal | Harrison County, WV

### City of Bridgeport New Fire Station

Principal | Harrison County, WV

### City of White Sulphur Springs New Maintenance Facility

Principal | Greenbrier County, WV

### Harrison County EMS Facility Renovations

Principal | Harrison County, WV

### New Gore Bus Garage

Principal | Harrison County, WV

### Calhoun-Gilmer County Career Center Renovations Project

Principal | Calhoun County, WV



# BILL COOK, AIA, NCARB, LEED AP

PROJECT MANAGER AND ARCHITECT

## Education

Bachelor of Science,  
Environmental Design,  
State University of New York at  
Buffalo

Master of Architecture  
Texas Tech University

## Registrations

Licensed Professional Architect:

- > West Virginia
- > Ohio
- > Pennsylvania

## Certifications

- > LEED Accredited Professional

## Affiliations

- > American Institute of  
Architects (AIA)
- > National Council of  
Architectural Registration  
Boards (NCARB)

## PROFESSIONAL OVERVIEW

Bill Cook, AIA, NCARB, LEED AP, has over 25 years of experience as a registered architect and nearly 35 years in the architecture and planning field. He has worked with clients across the region on a variety of project types, including industrial, transportation, and maintenance facilities. Bill has worked on all aspects of these buildings, preferring to be involved from the very beginning of the project to the day the client takes possession and beyond, providing much needed continuity to the process. His experience gives him a refined eye for the design aspects of his work, as well as project construction and feasibility.

Bill brings a strong focus on details and constructability to his designs, and a thorough approach to the management process. As a LEED Accredited Professional, Bill works with clients to find cost saving and sustainable features that will enhance their projects, while providing value in terms of initial investment and long-term cost effectiveness. His educational background combined with his well-executed projects makes him a highly sought-after architect and manager.

## EXPERIENCE

### NorthStar Technologies Storage Facility

Project Architect | Harrison County, WV

### Morgantown Public Safety Building Renovation

Project Architect | City of Morgantown, WV

### Charleston Area Alliance LIFT Center Renovations

Project Architect | Kanawha County, WV

### Wyoming County Economic Development Authority Barkers Creek Development

Project Architect | Wyoming County, WV

### Allegheny County Sanitary Authority Vehicle Maintenance Garage

Project Architect | Allegheny County, PA

### Springfield School District Transportation Facility

Project Architect | Summit County, OH

### Licking Heights School District Transportation Facility

Project Architect | Licking County, OH

### Weathersfield Local School District High School Additions and Renovations

Project Architect | Mahoning County, OH



# NICOLE JONES, PE, PMP

CIVIL ENGINEER

## Education

Bachelor of Science,  
Civil Engineering  
West Virginia University

## Registrations

Professional Engineer:

- > West Virginia
- > Project Management  
Professional (PMP)

## Affiliations

- > WAI/Harvard University  
Emerging Leaders Program
- > WAI Mountain State Chapter  
Secretary
- > Women in Aviation International  
(WAI) Member
- > Leadership Monongalia County

## PROFESSIONAL OVERVIEW

Nicole Jones, PE, PMP, is an integral member of Thrasher's Land Development and Transportation Markets. Nicole has worked alongside Thrasher's team of talented engineers and support staff to design several million dollars' worth of critical infrastructure upgrades over the years. Her projects have served both public and private clients, ranging from state highway systems and regional airports to municipalities and large-scale developers.

Her meticulous design aesthetic has served clients well, as she is able to clearly evaluate project sites and identify key challenges that ultimately impact design feasibility. Nicole is heavily involved in all facets of a project-assisting with site layout, drafting, project specifications, and reviewing final plans. Her thorough project documentation also draws the attention of Contractors, and results in highly competitive bidding.

## EXPERIENCE

**Raleigh County Memorial Airport Via Air Maintenance Facility**  
Project Manager | Raleigh County, WV

**Proctor and Gamble New Manufacturing Facility**  
Project Manager and Audit Inspector | Berkeley County, WV

**North Central West Virginia Airport Logistics Park**  
Project Manager | Harrison County, WV

**Logan County WVDOH Headquarters**  
Project Engineer | Logan County, WV

**North Central West Virginia Terminal Renovations**  
Project Manager | Harrison County, WV

**North Central West Virginia Airport Fuel Farm Upgrades**  
Project Manager | Harrison County, WV

**Huntington Municipal Development Authority  
The Foundry**  
Project Engineer | Cabell County, WV

**VA Hospital Site Grading**  
Project Engineer | Tucker County, WV

**North Central West Virginia Temporary Hold Room Renovations**  
Project Manager | Harrison County, WV



# KEN SMITH, PE

MECHANICAL ENGINEER

## Education

Bachelor of Science,  
Mechanical Engineering  
West Virginia University

## Registrations

Professional Engineer:

- > West Virginia
- > Virginia
- > Ohio
- > Kentucky
- > Maryland
- > Tennessee

## Affiliations

- > American Society of  
Heating, Refrigerating, and  
Air Conditioning Engineers  
Member

## PROFESSIONAL OVERVIEW

Ken Smith, PE, 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 have 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 including water and wastewater facilities.

## EXPERIENCE

### Doddridge County Maintenance Building

Mechanical Engineer | Doddridge County, WV

### Advanced Technological Center Welding Lab Ventilation System

Project Manager and Designer | Marion County, WV

### West Virginia University Tech Biology Lab Conversion

Mechanical Engineer | Raleigh County, WV

### DEA Academy Flexible Operations Facility Fieldhouse Improvements

Mechanical Engineer | Prince William County, VA

### State of West Virginia Building 23 Evaluation

Mechanical Engineer | Raleigh County, WV

### Princeton Community Hospital

### Bluefield Regional Medical Center Evaluation

Mechanical Engineer | Mercer County, WV

### Doddridge County Schools Early Childhood Academy

Mechanical Engineer | Doddridge County, WV

### Benedum Airport Authority Bombardier Aircraft Hangars

Mechanical Engineer/HVAC Designer | Harrison County, WV

### Calhoun-Gilmer Career Center Restroom Renovations

Mechanical Engineer | Calhoun County, WV

### Pocahontas Memorial Hospital Rural Health Addition

Project Manager | Pocahontas County, WV



# DUANE BOYLE

PLUMBING DESIGNER

## Education

Associate Degree,  
Mechanical Design  
Ashland Regional Technology  
Center

## Certifications

- > Mechanical Drafting
- > AutoCAD R13&14 (Ashland  
Regional Technology Center)

## Affiliations

- > Associated Builders and  
Contractors, Inc.

## PROFESSIONAL OVERVIEW

Duane Boyle, Plumbing Designer, brings Thrasher value in several capacities. He has provided plumbing designs for various project types over the years, such as tenant build-outs, schools, assisted living and memory care facilities, and warehouses. Several of Duane's daily duties consist of performing plumbing calculations, fixture selections, attending project development meetings, checking shop drawings, and coordinating with all other disciplines. Most of his work involves providing these design services from the beginning to end of a project using the most current versions of AutoCAD and Revit. Duane is capable of providing field verified documents of all existing plumbing systems on site and hand drawn existing systems for use in the design and development of new construction documents. He also performs field inspections and generates field reports of observations.

## EXPERIENCE

**Calhoun-Gilmer Career and Technical Center Restroom Renovations**  
Plumbing Designer | Calhoun County, WV

**North Central West Virginia Airport Bombardier Hangars**  
Plumbing Designer | Harrison County, WV

**North Central West Virginia Airport Logistics Park**  
Plumbing Designer | Harrison County, WV

**Hardy County Public Service District Office Building Renovations**  
Plumbing Designer | Hardy County, WV

**City of Charleston Police Station Renovations**  
Plumbing Designer | Kanawha County, WV

**Broaddus Hospital Lab Relocation**  
Plumbing Designer | Kanawha County, WV

**DEA Academy Flexible Operations Facility Fieldhouse Improvements**  
Plumbing Designer | Prince William County, VA

**Pocahontas Memorial Hospital Rural Health Addition**  
Plumbing Designer | Pocahontas County, WV

**Boy Scouts of America Steve A. Antoline Conservation Center**  
Plumbing Designer | Fayette County, WV

**Dominion Energy Mount Storm New Office Building**  
Plumbing Designer | Grant County, WV



# BRIAN HENSLEY

ELECTRICAL DESIGNER

## Education

Bachelor of Science,  
Electrical Engineering  
West Virginia University Institute  
of Technology

## Registrations

Test:  
> States

## Certifications

- > Underground Coal Miner  
3-13715
- > Surface Coal Miner 3-9346
- > Certified Electrician Low/  
Medium/High 3-219
- > Surface Mine Foreman S-3824-  
04
- > Class 33 EMT-M
- > Certified Unlimited Instructor  
EC,EE,IS,IU
- > AEP Class C Substation

## Trainings

- > P&H Mining Equipment  
4100XPB Mechanical and  
Electrical
- > Rockwell Automation  
PLC5 Maintenance and  
Troubleshooting
- > Rockwell Automation  
SLC500 Maintenance and  
Troubleshooting

## PROFESSIONAL OVERVIEW

Brian Hensley is an Electrical Designer serving Thrasher in a number of capacities. He works primarily with the Buildings and Facilities and Water Resources Markets, providing expertise in electrical work of all types. He has served as an MEP specialist for both public and private clients, working on everything from educational facilities to utility extensions and much more. Prior to joining Thrasher, Brian supervised projects such as installation and maintenance of complex mining equipment and power lines, substation maintenance, and underground communications. His understanding of electrical design, paired with his ability to find innovative solutions, makes Brian a valued member of the Thrasher team.

## EXPERIENCE

### Calhoun-Gilmer Career Center Annex Renovations

Electrical Designer | Calhoun County, WV

### City of Salem Armory HVAC Evaluation

Electrical Designer | Harrison County, WV

### Boy Scouts of America John Tickle Training Center

Electrical Designer | Fayette County, WV

### Dominion Energy Mount Storm Office Building

Electrical Designer | Grant County, WV

### Boone Memorial Hospital

Electrical Designer | Boone County, WV

### Pocahontas Memorial Hospital Rural Health Addition

Electrical Designer | Pocahontas County, WV

### City of Charleston Slack Plaza

Electrical Designer | Kanawha County, WV

### City of Charleston Police Station Renovations

Electrical Designer | Kanawha County, WV

### Baker Heights Fire Station

Electrical Designer | Berkeley County, WV

### Pocahontas Memorial Hospital CT/X-Ray Suite

Electrical Designer | Pocahontas County, WV



## DODDRIDGE COUNTY BOARD OF EDUCATION New Bus Garage Design

### Client Contact:

Mr. Scott Cochran, Superintendent  
268 Bulldog Drive | West Union, WV 26456  
304-873-2300

The Thrasher Group's architecture team designed the new Board of Education bus garage to house and perform maintenance on the county's school buses. Thrasher was responsible for designing and developing schematics and construction documents for the project. The pre-engineered building is over 6,000 SF with three drive-through bays. The building also consists of a storage area, a mechanic pit, offices and restrooms for its employees.



## **DODDRIDGE COUNTY BOARD OF EDUCATION** Maintenance Building and Career Center

### **Client Contact:**

Mr. Jeff Harvey, Director of Student Support Services  
268 Bulldog Drive | West Union, WV 26456  
O: 304-873-2300 | C: 317-716-3555

The Thrasher Group has worked with Doddridge County Schools on a number of projects over the years. One of our recent projects is the creation of a new, multi-purpose building for the County that provides both a maintenance facility and several vocational classrooms.

The facility houses space for maintenance and staff. This side of the building is primarily used to house buses, facility vehicles, and related staff members. It also supports one of the new vocational classes that is housed in this building – Diesel Mechanics.

In addition to the diesel class, this building features classes for welding, digital media, and oil and gas. These classrooms have been designed with the newest technology in mind, while meshing the look and feel of the surrounding educational buildings.

This project was a cross-divisional effort for Thrasher. Our Architecture Division lead the effort, providing design services, while our Survey Division provided traditional survey and aerial mapping for the project. Our Utilities Division was also involved.



## PEA RIDGE PUBLIC SERVICE DISTRICT New Maintenance Facility

### Client Contact:

Ms. Dina Foster, General Manager  
500 Nova Street | Huntington, WV 25705  
304-736-6711

The Thrasher Group was hired by the Pea Ridge Public Service District to design and construct a new maintenance facility for their wastewater treatment plant. Pea Ridge was familiar with the quality of service from Thrasher after years of working on various wastewater projects.

This two story office building primary purpose is an office and maintenance facility for the PSD. The building is 1,500 SF, and has two garage bays and five covered storage bays. The project cost \$900,000.



## NORTH CENTRAL WEST VIRGINIA AIRPORT ARFF Building Criteria Development

### Client Contact:

Mr. Shawn Long, Deputy Airport Director  
2000 Aviation Way | Bridgeport, WV 26330  
304-842-3400



The North Central West Virginia Airport was in need of a new Aircraft Rescue and Fire Fighting (ARFF) building. New regulations from the Federal Aviation Administration required an upgrade of their fire truck, with the new truck too large to fit into the existing ARFF facility. Having such an integral piece of safety equipment available was paramount to the Airport's operation, so meeting a tight schedule was crucial. Using the design-build process was a quick option for getting the building in place.

Thrasher worked with the Airport to develop the specific criteria required of the new space. Because of the nature of this building's purpose, there were several unique factors to be considered. In addition to the typical criteria like number of vehicle bays and size of the building, other pieces such as carbon monoxide detectors with fans, a trench drain in the middle of the floor, and a system for recharging equipment batteries were all key pieces in the new facility's design.



## CITY OF BRIDGEPORT

### New Fire Station

#### Client Contact:

Mr. Phil Hart, Fire Chief  
515 W. Main Street | Bridgeport, WV 26330  
304-669-9703

The second story of the addition includes a new day room, locker room, working facility, and bunk rooms. As part of the project, a complete renovation to the existing apparatus bays and turn out gear storage areas was also included.

The Thrasher Group was hired by the City of Bridgeport to complete the design of a new, two-story addition to the existing fire department located along Main Street. This 10,000 square foot addition was designed to include a new reception area, lobby, offices, conference room, and team training room.



## Budgeting

Construction estimating and budgeting is one of the most important parts of what Thrasher can provide you. Without accurate budgets, there is no tool to guide the design process and issues will be inevitable. By including cost estimating as a part of the project scope from day one, we are able to avoid issues before they arise and keep your project within a reasonable cost.

Our estimates go beyond the typical system — rather than simply providing cost per foot or lump sum price, Thrasher will provide contractor-grade estimates that look at every part of the project. We do detailed take-offs of materials and look at every man hour needed to complete a project and factor this in accordingly. Then, we use our thorough understanding of the local market and material costs to accurately design within your budget.



## Scheduling

Thrasher realizes the importance of establishing and maintaining project schedules. Time means money and making sure we help you spend your money wisely is our number one goal. Because of this, our team puts an emphasis on ensuring project timetables are met and communication is upheld throughout the process.

To accomplish these goals, Thrasher utilizes scheduling to track every stage of a project - from design and bidding through construction completion. We also require contractors working on our projects to regularly update their project schedules and give a detailed progress report at each job meeting, again focusing on the communication component of scheduling. This helps to ensure all parties are informed and aware of potential delays. Keeping our owners up to speed with progress is always our priority and ensures occupancy and owner-supplied equipment are scheduled accordingly.



## Cost control

Thrasher follows four main cost control principles:

**Thorough construction documents** — Starting off with detailed construction documents helps the entire project run more smoothly. By laying an accurate, realistic picture at the beginning of the process, we are able to complete your project more efficiently and with fewer change orders.

**In-depth review process** — The Thrasher team participates in an in-depth review process to ensure there is a thorough understanding of your project. Our construction administration team visits your site in person so we know exactly what is needed for the space.

**Understanding of what things cost** — Thrasher has a knowledgeable construction administration team that understands what it truly costs to make things happen. Rather than relying on general industry standards, our in-house professionals, can tell you what something will cost in actuality if the need arises.

**Respect for your wallet** — We respect your business needs and work to ensure the lowest-cost options we can find. We also keep you updated of budget throughout the process: an initial construction cost will be calculated to reflect your budget, and construction cost estimates will be delivered with the drawings at the end of Schematic Design, Design Development, and Construction Documentation. Adjustments to size and/or quality will be made, as necessary, during each design phase to maintain your budget.



## QA/QC Procedure

Thrasher has an internal Quality Control Policy to ensure our projects move forward efficiently and effectively. The objectives of this manual are to continually improve the quality of the design and technical deliverables Thrasher provides to its internal and external clients.

This manual illustrates the basic requirements for quality control in our projects. It describes the methods for checking and reviewing product elements and client deliverables and includes rigorous comprehensive written check-lists for each stage of the design process, document production, and construction activities.

The purpose of these QC methodologies is to reduce or eliminate the potential for errors, omissions, ambiguities, and inconsistencies.

### **The policy outlines three main areas:**

#### » **General**

Defines the purpose, intent and limitations, definitions, and implementation

#### » **Project Management Procedures**

Presents required procedures specific to this practice that allow for the efficient and accurate management of projects

#### » **Check and Final Review Procedures**

Presents required procedures specific to this practice that are used to insure technical accuracy of the work product

### West Virginia Department of Transportation

Mr. William Robinson, Executive Director of Multimodal  
Transportation Facilities - Public Transit Division  
1900 Kanawha Boulevard, East | Building 5, Room 663  
Charleston, West Virginia 25305  
304-558-0428

### Benedum Airport Authority

Mr. Shawn Long, Deputy Airport Director  
2000 Aviation Way  
Bridgeport, WV 26330  
304-842-3400

### Doddridge County Board of Education

Mr. Scott Cochran, Superintendent  
268 Bull Dog Drive  
West Union, WV 26456  
304-873-2300



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