

# THRASHER

ARCHITECTURE | ENGINEERING | FIELD SERVICES

BID RECEIVED LATE

BUYER

WITNESS

DISQUALIFIED

07/05/18 09:56:29  
WV Purchasing Division

## DISTRICT THREE, NEW I-77 MEDINA SUBSTATION

CE01 0803 DOT1800000001

Submitted by:  
The Thrasher Group, Inc.  
July 3, 2018



**ADDENDUM ACKNOWLEDGEMENT FORM**  
**SOLICITATION NO.:** CEOI 0803 DOT1800000001

**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 |

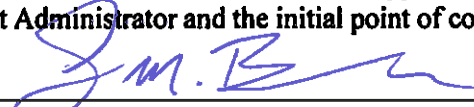
I understand that failure to confirm the receipt of addenda may be cause for rejection of this bid. I further understand that that any verbal representation made or assumed to be made during any oral discussion held between Vendor's representatives and any state personnel is not binding. Only the information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

The Thrasher Group  
 \_\_\_\_\_  
 Company  
  
 \_\_\_\_\_  
 Authorized Signature


July 3, 2018  
 \_\_\_\_\_  
 Date

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

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

  
\_\_\_\_\_  
(Name, Title)  
Craig Baker, Principal-in-Charge  
\_\_\_\_\_  
(Printed Name and Title)  
600 White Oaks Blvd. Bridgeport, WV 26330  
\_\_\_\_\_  
(Address)  
(304-624-4108) / (304-624-7831)  
\_\_\_\_\_  
(Phone Number) / (Fax Number)  
cbaker@thetrashergroup.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  
\_\_\_\_\_  
(Company)  
  
\_\_\_\_\_  
(Authorized Signature) (Representative Name, Title)  
Craig Baker, Principal-in-Charge  
\_\_\_\_\_  
(Printed Name and Title of Authorized Representative)  
July 3, 2018  
\_\_\_\_\_  
(Date)  
(304-624-4108) (304-624-7831)  
\_\_\_\_\_  
(Phone Number) (Fax Number)

Revised 02/16/2018

# PURCHASING AFFIDAVIT

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

Authorized Signature: [Signature] Date: July 3, 2018

State of West Virginia

County of Harrison, to-wit:

Taken, subscribed, and sworn to before me this 3<sup>rd</sup> day of July, 2018

My Commission expires May 4, 2021

**AFFIX SEAL HERE**

**NOTARY PUBLIC**

[Signature: Caroline E. Marion]

*Purchasing Affidavit (Revised 01/19/2018)*



# DISCLOSURE OF INTERESTED PARTIES TO CONTRACTS

5

## West Virginia Ethics Commission Disclosure of Interested Parties to Contracts

(Required by W. Va. Code § 6D-1-2)

Contracting Business Entity: The Thrasher Group Address: 600 White Oaks Blvd  
Bridgeport, WV 26330

Authorized Agent: Craig Baker Address: \_\_\_\_\_

Contract Number: CEOI 0803 DOT1800000001 Contract Description: EOI - District Three, New I-77 Medina Substation

Governmental agency awarding contract: Division of Highways

Check here if this is a Supplemental Disclosure

List the Names of Interested Parties to the contract which are known or reasonably anticipated by the contracting business entity for each category below (attach additional pages if necessary):

1. Subcontractors or other entities performing work or service under the Contract

Check here if none, otherwise list entity/individual names below.

2. Any person or entity who owns 25% or more of contracting entity (not applicable to publicly traded entities)

Check here if none, otherwise list entity/individual names below.

3. Any person or entity that facilitated, or negotiated the terms of, the applicable contract (excluding legal services related to the negotiation or drafting of the applicable contract)


Check here if none, otherwise list entity/individual names below.

Signature:  Date Signed: July 3, 2018

### Notary Verification

State of West Virginia, County of Harrison

I, Craig Baker, the authorized agent of the contracting business entity listed above, being duly sworn, acknowledge that the Disclosure herein is being made under oath and under the penalty of perjury.

Taken, sworn to and subscribed before me this 3rd day of July, 2018  
  
Notary Public's Signature

### To be completed by State Agency:

Date Received by State Agency: \_\_\_\_\_

Date submitted to Ethics Commission: \_\_\_\_\_

Governmental agency submitting Disclosure: \_\_\_\_\_

Revised October 7, 2017



ENGINEERING  
ARCHITECTURE  
FIELD SERVICES

July 3, 2018

Attn: Bid Clerk  
Department of Administration  
Purchasing Division  
2019 Washington Street E  
Charleston, WV 25305

*RE: District Three, New I-77 Medina Substation  
CECI 0803 DOT 1800000001*

Dear Members of the Selection Committee:

The Thrasher Group is pleased to submit our team, qualifications, and experience for the District Three, New I-77 Medina Substation project located at the intersection of WV Route 2 and WV Route 68. Thrasher is proud of the working relationship we have developed with the West Virginia Department of Highways and we are looking forward to maintaining and improving this relationship through a continued dedication to quality design, documentation, and administration.

Effective project delivery begins with having the right personnel on the job. Thrasher offers experienced, licensed professionals for each team member and design discipline that will be working on your project. Under each team member is an educated, trained, and experienced design staff dedicated to delivering a project that is successfully designed, procured, and constructed.

Thrasher is fully staffed and prepared to receive this workload. In addition to Surveyors, Architects, and Engineers, we provide in-house construction estimating services and experienced, dedicated construction contract administrators. Thrasher offers a collection of professionals working together to achieve project success.

Enclosed you will find our team members, qualifications, and experience. Thank you for time and consideration. We look forward to meeting with you to further demonstrate our commitment to the State of West Virginia and its infrastructure.

Sincerely,  
THE THRASHER GROUP, INC.

Craig Baker, CEFP  
Principal-in-Charge

## MISSION

To improve the communities where we live and work by driving infrastructure development.

## VISION

To be the Mid-Atlantic firm of choice for clients and employees.

## CORE PRINCIPLES

Quality  
Safety  
Adaptability  
Integrity



# 9

**OFFICES**  
in six states:

West Virginia  
Virginia  
Pennsylvania  
Ohio  
Maryland  
Kentucky



# 530

**EMPLOYEES**

**34** Licensed Professional Engineers  
**20** Licensed Professional Surveyors  
**6** Licensed Professional Architects



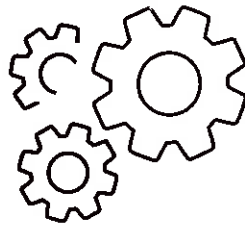
# 35

**YEARS**  
of delivering successful projects

### Project Contact

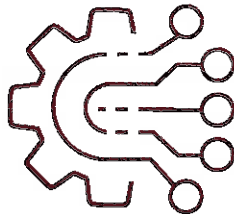
Joe Sinclair, AIA  
Project Manager/Architect  
jsinclair@thethrashergroup.com  
Cell: 304-518-9304  
Office: 304-343-7601

*Thrasher is currently contracted by the WVDOH to provide On-Call Architectural Services, Thrasher has been selected for this contract for the last three years.*



## SERVICES

- > Architecture
- > Engineering
- > Environmental
- > Survey
- > Materials Testing and Inspection
- > Construction Management



## CORE MARKETS

- > Highways and Roads
- > Industrial
- > Commercial
- > Oil and Gas
- > Public/Private Utilities
- > Land Development
- > Education (K-12, Higher Ed)



The Thrasher Group’s priority will be to achieve the project goals and objectives of determining the best layout for the facility and its orientation on the site and developing plans and specifications for bidding, awarding, and administering the construction contract. The Thrasher Group will achieve these goals by following the procedures listed below for communication, budget, schedule, and experience.

### Communication:

The Thrasher Group will communicate utilizing the organizational structure included in this submission as a foundation. One point of contact from the design team, the Project Manager, will facilitate direct communication with the Owner. Project meetings will be scheduled and conducted per the Owner’s goals and objectives. Key project personnel and participants will attend each meeting throughout each phase of design and throughout construction. The Thrasher Group utilizes experienced, dedicated construction administration personnel to deliver the project to the Owner on time and on budget.



### Meeting the Owner’s Budget:

The Thrasher Group plans to meet the Owner’s budget by utilizing design phase estimating services. Our in-house construction estimator comes with years of experience as a general contractor and provides construction management services during the design phase of each project. This service is unique to the majority of other architecture firms. An initial construction cost will be calculated to reflect the Owner’s budget. A construction cost estimate will then 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 the Owner’s budget.

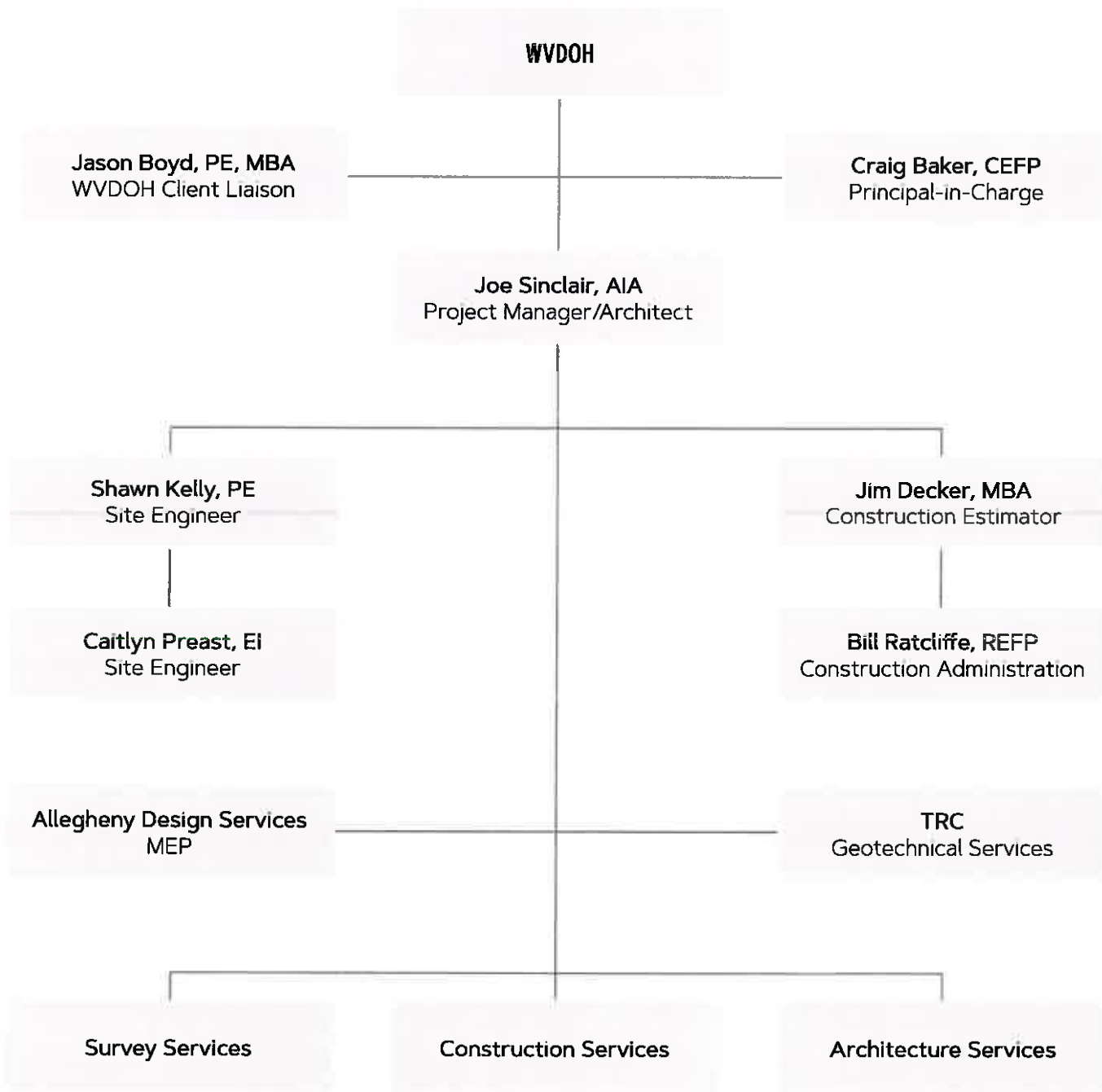
Project Name	Estimate	Low Bid
Bridgeport CVB	\$3,400,000	\$3,296,000
Beckley Police Department	\$5,300,000	\$4,934,000
Doddridge County Bus Garage	\$150,000	\$146,597

### Project Schedule:

The Thrasher Group will develop a project schedule to include design, bidding, and construction of the project to meet the Owner’s goals and objectives. Portions of the project schedule can be condensed or expanded to meet the Owner’s goals and objectives. The period of construction will be stated in the contract documents and will include the option for liquidated damages. Regularly scheduled progress meetings and site visits will be conducted during construction to assess progress, schedule, and meeting design intent.

### Experience:

The Thrasher Group is comprised of licensed, experienced professionals related to their field. The personnel working on your project, and included in this submission, are licensed, experienced, and committed to each project they work on. The team assembled for this project represents some of the best and brightest the State of West Virginia has to offer.



# CRAIG BAKER, CEFP

Principal-in-Charge



## Education

Bachelor of Science,  
Architectural Engineering  
Fairmont State University

Advanced Certificate,  
Educational Facilities Planning  
San Diego State University

## Affiliations

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

Craig Baker, CEFP is an experienced designer and manager with an extensive background working with clients to design, plan, and manage projects both large and small. As a Certified Educational Facilities Planner (CEFP), 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

### WVDOH Statewide On-Call Architecture Contract

Role: Principal-in-Charge  
> Statewide, WV

### WVDOH I-64 New Weigh Station

Role: Principal-in-Charge  
> Putnam County, WV

### The Summit Bechtel Reserve, Boy Scouts of America Welcome Center

Role: Principal-in-Charge  
> Fayette County, WV

### City of White Sulphur Springs New Maintenance Facility

Role: Principal-in-Charge  
> Greenbrier County, WV

### Doddridge County Bus Garage New Facility

Role: Principal-in-Charge  
> Doddridge County, WV

WVDOH Client Liaison



Transportation Division Manager, Jason Boyd, PE, MBA has nearly two decades of experience working with the West Virginia Division of Highways on both large and small-scale roadway and bridge design projects. Over the course of his career, Jason has been involved with over \$300,000,000 million in construction dollars for critical transportation infrastructure, and has developed a large portfolio of work in all reaches of the state. Throughout the years, Jason has developed an intimate knowledge of the WVDOH policies and procedures that enables him to evaluate projects in an efficient and thorough manner.

## Education

Master's Degree,  
Business Administration  
Marshall University

Bachelor of Science  
Civil Engineering  
West Virginia University

## Registrations

Professional Engineer

- > West Virginia
- > Virginia
- > Pennsylvania

Jason manages a team of highly skilled design engineers at Thrasher, and works closely with them to oversee accuracy in the preparation of plans, project specifications, and estimates. Jason works on all facets of a project, including drainage design, roadway design, right-of-way plan preparation, geometric layout, utility relocation design, maintenance of traffic (MOT), permitting, signing and marking, plan preparation/presentation and detailed quantity/cost estimates. Jason's hands-on approach ensures that his clients' project goals are realized in a timely and cost effective manner.

## Experience

### WVDOH I-64 (Nitro to Crooked Creek) Bridge Replacement & Widening

Role: Project Manager

- > Putnam County, WV

### WVDOH Glen Jean Entrance Roadway Relocation

Role: Lead Roadway Designer

- > Fayette County, WV

### WVDOH Mill Creek Roadway Upgrade

Role: Roadway Engineer

- > Fayette County, WV

### WVDOH Roadway Design WV Route 10 Man to Rita

Role: Lead Roadway Design

- > Logan County, WV

### WVDOH Tabler Station Industrial Access Road

Role: Project Manager

- > Berkeley County, WV

Project Manager/Architect



Joe brings over ten 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. 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 utilizing building information modeling (BIM) software for project development, documentation, and management.

## Education

Master of Architecture,  
Savannah College of Art &  
Design

Bachelor of Science,  
Architectural Engineering  
Fairmont State University

## Registrations

Professional Architect  
> West Virginia

## Affiliations

- > NCARB Certificate
- > LEED Accredited  
Professional, Building Design  
& Construction
- > Construction Documents  
Technologist (CDT) –  
Construction Specifications  
Institute (CSI)
- > Member American Institute  
of Architects – West Virginia  
Chapter
- > Member – United States  
Green Building Council  
(USGBC) – West Virginia  
Chapter

## Experience

### West Virginia Turnpike Rest Area Exit 69

Role: Project Architect  
> Mercer County, WV

### Boy Scouts of America Dining Hall and Bunkhouse

Role: Project Architect  
> Fayette County, WV

### Central West Virginia Regional Airport Authority Yeager Airport Rental Counter Renovations

Role: Project Architect  
> Kanawha County, WV

### Design of the Harrison/ Taylor E911 Center

Role: Project Architect  
> Harrison County, WV

### Lobby Design for Good News Mountaineer Garage

Role: Project Architect  
> Barbour County, WV

Site Engineer



Shawn Kelly, PE, brings over 14 years of experience to the Site Development Division. His knowledge of site development has taken him across the State of West Virginia working for both public and private clients. Shawn's understanding of drainage calculating, stormwater management plans and site development planning, have helped improve various places in the state.

Since joining Thrasher, Shawn has played a large part with the Boy Scouts of America project. He has provided assistance with site design of various buildings and roadway drainage for the roads around the complex. Shawn's ability to work on projects both large and small is why he is a reliable engineer for Thrasher's Site Development Division.

## Education

Bachelor of Science,  
*Civil Engineering*  
West Virginia University

## Registrations

Professional Engineer

- > West Virginia
- > Virginia
- > Kentucky

## Experience

**Boy Scouts of America  
Brenda L. Murray Drive  
Roadway Drainage**  
Role: Staff Engineer  
> Fayette County, WV

**Boy Scouts of America JW  
Marriott JR Leadership  
Center Roadway Drainage**  
Role: Staff Engineer  
> Fayette County, WV

**Boy Scouts of America  
Bunkhouse and Dining Hall  
Site Design**  
Role: Staff Engineer  
> Fayette County, WV

## **WVU Medicine Building Site Design**

Role: Project Engineer  
> Greene County, PA

## **Corridor H Davis to Bismark E&S Control**

Role: Staff Engineer  
> Grant County, WV

## **Upshur County Industrial Park Drainage Calculations**

Role: Staff Engineer  
> Upshur County, WV

Site Engineer



## Education

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

## Registrations

Engineering Intern (EI)  
> West Virginia

Caitlyn Preast, EI is a 2013 West Virginia University Institute of Technology graduate with a Bachelor of Science degree in Civil Engineering. While specializing in site development, she has also been involved in utility system and architecture projects. She joined Thrasher with practical experience as a professional engineer intern in the Facility Asset Management Department of Walt Disney Parks and Resorts. With Thrasher, Caitlyn serves as a project engineer and has developed specific expertise supporting the development and implementation of source water protection plans, capital improvement plans and water and sewer system improvements.

In her role as a project engineer, Caitlyn's attention to detail for submittal reviews makes her a key member of any team. Her skills with AutoCAD Civil 3D to assist site development grading, utility layouts and designs, and erosion and sediment control measures provide value to any project, as well as her proficiency in construction administration and project scheduling.

Caitlyn has a natural ability to communicate effectively with clients. Her enthusiasm for positively affecting communities has helped advance her clients' projects and gain support amongst key stakeholders.

## Experience

**Logan County DOH  
Headquarters (currently in  
design)**  
Role: Site Engineer  
> Logan County, WV

**WV DNR Elk River Access  
Sites (currently in design)**  
Role: Site Engineer  
> Kanawha County, WV

**Charleston Astorg Auto  
Dealership Renovation**  
Role: Site Engineer  
> Kanawha County, WV

**City of Beckley New Police  
Station**  
Role: Site Engineer  
> Raleigh County, WV

**WVU Beckley Parking Lot**  
Role: Site Engineer  
> Raleigh County, WV

Construction Estimator



## Education

Master of Business  
Administration,  
*Project Management*  
Fairmont State University

Bachelor of Science  
*Civil Engineering*  
Fairmont State University

Associates of Science  
*Mechanical Engineering*  
Fairmont State University

## Registrations

General Contractor  
> West Virginia

## Certifications/Affiliations

> Leadership Marion County  
> City of Fairmont, BOCA  
Board of Appeals

Jim Decker, MBA brings over 25 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.

## Experience

### City of Romney New Public Works Facility

Role: Construction Estimator  
> Raleigh 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

### White Oaks Business Park Site Development

Role: Construction Estimator  
> Harrison County, WV

### Fairmont State University Feaster Center Additions and Renovations

Role: Construction Estimator  
> Marion County, WV

### Fairmont State University "Falcon Center" Recreation Facility

Role: Construction Estimator  
> Marion County, WV



Construction Administrator



Bill Ratcliffe, REFP has over two decades of experience involved in the completion of successful construction projects. He has spent the last 10 years of his career working as a construction administrator on public and private projects, ensuring the successful completion of projects. Bill also spent nearly 14 years of his career working for the West Virginia School Building Authority (SBA) where he worked in educational facilities planning.

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.

## Education

Regents Degree  
West Virginia State University

## Registrations

Recognized Educational Facility  
Planner (REFP)

## Experience

### City of Beckley New Police Station

Role: Construction  
Administrator  
Raleigh County, WV

### Central WV Regional Airport Yeager Terminal Security Enhancements

Role: Construction  
Administrator  
> Kanawha County, WV

### West Virginia Public Service Commission Facade Replacement

Role: Construction  
Administrator  
> Kanawha County, WV

### Jefferson County Convention and Visitor's Bureau Additions and Renovations

Role: Construction  
Administrator  
> Jefferson County, WV

### New Rupert Elementary School

Role: Construction  
Administrator  
> Greenbrier County, WV

### West Virginia University Robert C. Byrd Health Sciences Renovations

Role: Construction  
Administrator  
> Monongalia County, WV

## President



Dave Simpson is the President of Allegheny Design Services and brings over 35 years of MEP experience. He is well versed in structural design and project management of industrial, commercial, institutional, and nuclear/chemical facilities that utilize steel, concrete, masonry, and wood. Dave is a member of the American Society of Civil Engineers, American Institute of Architects, and the American Builders and Contractors.

## Education

Bachelor of Science  
Civil Engineering  
West Virginia Institute of  
Technology

Master of Business  
Administration  
West Virginia University

## Registrations

- Professional Engineer
- > West Virginia
  - > Washington D.C.
  - > Virginia
  - > South Carolina
  - > Pennsylvania
  - > Ohio
  - > North Carolina
  - > Maryland
  - > Georgia
  - > Florida

## Affiliations

- > National Council of  
Examiners for Engineering  
and Surveying
- > Board Certified Member of  
NAFE



102 Leeway Street, Morgantown, WV 26505  
Phone: 304.589.0771

## Experience

### Morgantown Event and Conference Center

- Role: Principal-in-Charge
- > Monongalia County, WV

### Waterfront Hotel and Conference Center

- Role: Principal-in-Charge
- > Monongalia County, WV

### William Sharpe Hospital Addition

- Role: Principal-in-Charge
- > Harrison County, WV

### Glade Springs Hotel and Conference Center

- Role: Principal-in-Charge
- > Raleigh County, WV

### Fairmont State University Parking Garage

- Role: Principal-in-Charge
- > Marion County, WV

MEP Department Manager



Mike is responsible for project management and electrical design at Allegheny Design Services. His experience includes over 20 years in electrical design and project management for industrial, commercial, residential, institutional, educational, and recreational facilities. Mike's building system design includes lighting, site lighting, power distribution, communications, surveillance, access control, and fire protection.

### Education

Bachelor of Science  
Electrical Engineering  
West Virginia Institute of  
Technology



102 Leeway Street, Morgantown, WV 26505  
Phone: 304.599.0771

### Registrations

Professional Engineer  
> West Virginia  
> Pennsylvania  
> Ohio  
> Maryland

### Affiliations

> National Society of  
Professional Engineers  
> West Virginia Society of  
Professional Engineers  
> American Institute of  
Architects - WV Chapter  
> U.S. Green Building Council

### Experience

#### Parish Center for Immaculate Conception Church

Role: MEP Manager  
> Harrison County, WV

#### Mountaineer Medical Office Building

Role: MEP Manager  
> Harrison County, WV

#### WVU Visitor's Resource Center

Role: MEP Manager  
> Monongalia County, WV

#### Upshur County 911 Center

Role: MEP Manager  
> Upshur County, WV

#### Ripley Municipal Building

Role: MEP Manager  
> Jackson County, WV

## Senior Mechanical Engineer



David Cotton, PE, is responsible for HVAC & plumbing design at Allegheny Design Services. His experience includes mechanical design and project management for industrial, commercial, institutional, education, and recreational facilities. David's building system designs include packaged gas heating / dx cooling, split systems, air distribution systems, boiler & chiller systems, VAV & VVT zone control, indoor air quality ventilation and server room cooling. His plumbing systems include sanitary, domestic water, fuel gas, and storm drainage. Implemented sustainable building design concepts, and provided construction administration to achieve LEED certification for new construction projects.

### Education

Bachelor of Science  
Mechanical Engineering  
West Virginia Institute of  
Technology

### Registrations

- Professional Engineer
- > West Virginia
  - > Virginia
  - > Pennsylvania
  - > Ohio
  - > Maryland

### Affiliations

- > American Society of Heating, Refrigerating and Air-Conditioning Engineers
- > Secretary Mountaineer Chapter
- > Student Activities Chair Mountaineer Chapter
- > U.S Green Building Council
- > National Fire Protection Association
- > Architects Engineers and Building Officials Chapter Member



102 Leeway Street, Morgantown, WV 26505  
Phone: 304.589.0771

### Experience

#### Thrasher New Office Building

Role: Senior Mechanical Engineer

- > Harrison County, WV

#### South Ridge Church

Role: Senior Mechanical Engineer

- > Marion County, WV

#### WVU Alumni Center

Role: Senior Mechanical Engineer

- > Monongalia County, WV

#### Jerry Dove Medical Office Building

Role: Senior Mechanical Engineer

- > Harrison County, WV

#### GSA Charleston LEED Administration

Role: Senior Mechanical Engineer

- > Kanawha County, WV



### WVDOH I-64 Weigh Station

Thrasher was selected for the I-64 East and West Bound Weigh Station as a result of their previous open-end statewide architectural contract. The new weight station will be located near Hurricane and Scott Depot in Putnam County.

Thrasher's architectural department designed two 893 SF buildings to provide the I-64 guard house employees with many amenities that were not previously provided. The buildings are single-story, brick exterior with hip-roofs. Thrasher followed the requirements from the WVDOH and were able to get specific glass types that include reflective, spandrels and transparent glass. Each space is usable to truck drivers.

The following is included in the new weigh station buildings:

- > Weight Booth
- > Office Space
- > Waiting Area
- > Restrooms
- > Shower Rooms
- > Janitorial Storage
- > Other Office Storage Space



### **Doddridge County Schools Bus Garage**

The Thrasher 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-thru bays. The building also consists of a storage area, a mechanic pit, offices and restrooms for its employees.



### **Boy Scouts of America Welcome Center**

The Thrasher Group, Inc. designed the Boy Scouts of America, J.W. & Hazel Ruby West Virginia Welcome Center on the Summit Bechtel Reserve. The 10,000+ SF facility, houses restroom facilities, a gift shop, a large meeting space, and open exhibition space for showcasing the work and legacy of the Boy Scouts. In addition to the main building, Thrasher is designed additional restroom and parking facilities, and developing scenic trails. Thrasher was able to complete the project and site in time to host the 2017 Boy Scouts World Jamboree.



### **Dominion Hope - Goshen Road Facility**

Thrasher was hired by Dominion Transmission to do a design/build project located along Goshen Road in Monongalia County, WV. The project consisted of 17,000 SF and houses an administrative office space, storage areas, garage, and a welding shop.

For this nearly \$3 million dollar project, Thrasher was responsible for all of the QAM in addition to the design, site work, survey, and construction management.





### **Pea Ridge Public Service District New Building**

Thrasher 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 has two garage bays and five covered storage bays. The project cost \$900,000.



**Dominion West Virginia Headquarters**

The new 129,000 SF new Dominion WV Headquarter office located in Bridgeport, WV opened up in 2015. The building features green design technologies and is the largest privately owned LEED accredited facility in the State of West Virginia.

Allegheny Design was hired for MEP services on this project. They provided mechanical, electrical, plumbing, and structural engineering services.





**Thrasher New Office Building**

The Thrasher Group, Inc. headquarter office project consisted of the architectural design, project management, schematic and final design, permitting, construction documentation, and construction oversight of the new facility. The building is 45,000 SF and was designed and constructed in an unprecedented 6 month time-frame.

Allegheny Design was hired for MEP services on this project. They provided mechanical, electrical, plumbing, and structural engineering services.





## ARCHITECTURE

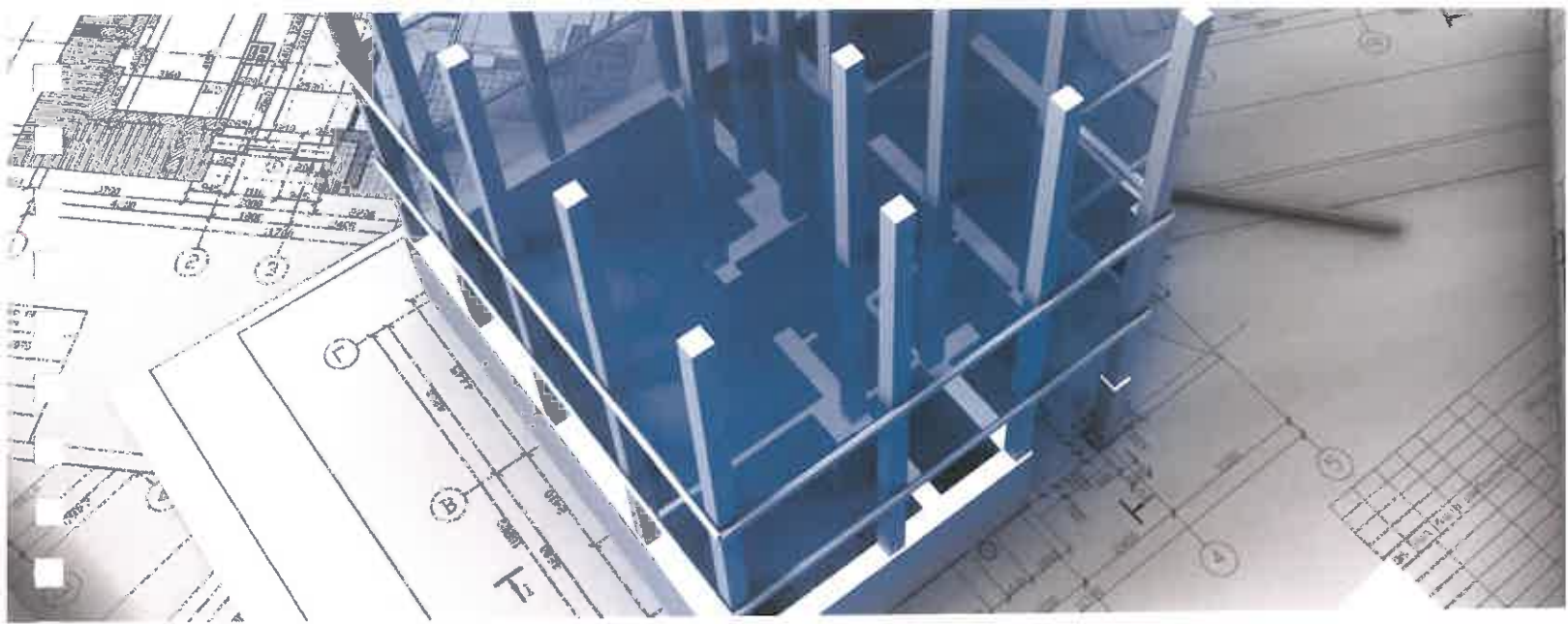
Thrasher offers a broad range of architecture and building design services to suit the needs of each individual client. The team at Thrasher is sought after in a variety of markets: commercial and retail spaces, healthcare facilities, educational facilities, government buildings, banking and financial 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 Units
- > Multiple Family Residential Units
- > Historical Preservation
- > LEED Certification



## **BUILDING INFORMATION MODELING**

Thrasher uses the components of BIM on every architectural project we undertake because of the benefits it provides during design process for construction and the advantage it gives to our clients with the finished product. Thrasher has developed a unique set of BIM standards that are utilized on every project from design through construction. Thrasher uses programs such as Revit for architectural, structural, mechanical, electrical and plumbing design, and 3D visual design; Autodesk 3Ds Max for realistic visualization; Autodesk Civil 3D 2015 for civil and site work; Autodesk Navisworks for additional coordination efforts before a project has been bid; and TimeLiner to develop and simulated construction schedule that may be analyzed and improved throughout the project. Thrasher recognizes the importance of each program to the cohesion of the final product, and understands that our integrated approach to using BIM results in successful, timely, and budget friendly projects for our clients.

### **Why Thrasher Utilizes BIM:**

- > Public and Private Office Buildings
- > Healthcare Facilities
- > Educational Facilities
- > Financial Institutions
- > Building Additions and Renovations
- > Recreational Facilities
- > Public Safety Buildings
- > Single Family Residential Units
- > Multiple Family Residential Units
- > Historical 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



## 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



## SURVEY AND MAPPING SERVICES

Thrasher employs one of the largest survey departments in the Mid-Atlantic region and offers a wide range of land surveying and related services for federal, state, and private clients. We are committed to evolving our techniques and equipment to best serve our clients and their growing needs.

At Thrasher, we are able to provide both surveying and engineering services which provide a distinct advantage over survey-only companies. The combination of these two services provide our surveyors with a better understanding of what engineers and architects require to develop an appropriate design for different types of projects. Our field and survey personnel offer extensive experience, certified training, and flexibility to meet our clients' unique project schedules.

### Route Location Surveys:

- > Transmission Lines
- > Natural Gas Pipelines
- > Wind Turbine
- > Roadway, Railway, and Rec Trails

### GPS Surveys:

- > Geodetic Control Networks
- > Ground Control for Aerial Mapping
- > Telecommunications
- > FAA 1A and 2C Letters

### General Survey Services:

- > Large-Scale Boundary Work
- > Topographic Survey and Mapping
- > ALTA/ACSM Survey and Mapping
- > Lake and River Soundings
- > Accident Reconstruction Survey & Mapping
- > Drug-free Zone Mapping
- > Expert Witness Testimony
- > Construction Layout
- > Permanent Project GPS Base Stations
- > Building Control and Layout
- > Road/Bridge Alignment and Staking
- > Sewer/Water/Pipeline
- > Site Layout
- > Quality Assurance Surveying
- > Volume/Quantity Surveys
- > As-Built Surveys

### Coal and Energy Surveys:

- > Pre and Post Mining Blast Surveys
- > Water Quality Monitoring Plan
- > Construction Layout
- > Emergency Control Survey/Plans



