



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

List View

- General Information**
- Contact
- Default Values
- Discount
- Document Information
- Clarification Request

Procurement Folder: 1337601

Procurement Type: Central Purchase Order

Vendor ID: 000000204787

Legal Name: THE THRASHER GROUP INC

Alias/DBA:

Total Bid: \$0.00

Response Date: 01/30/2024

Response Time: 10:46

Responded By User ID: Thrasher

First Name: Anjelica

Last Name: D'Annunzio

Email: adannunzio@thethrashergror

Phone: 304-624-4108

SO Doc Code: CEOI

SO Dept: 0313

SO Doc ID: DEP2400000010

Published Date: 1/12/24

Close Date: 1/30/24

Close Time: 13:30

Status: Closed

Solicitation Description: DLR - Design-Build Owner Advisor Services

Total of Header Attachments: 1

Total of All Attachments: 1



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:** 1337601  
**Solicitation Description:** DLR - Design-Build Owner Advisor Services  
**Proc Type:** Central Purchase Order

Solicitation Closes	Solicitation Response	Version
2024-01-30 13:30	SR 0313 ESR01302400000003618	1

**VENDOR**  
 000000204787  
 THE THRASHER GROUP INC

**Solicitation Number:** CEOI 0313 DEP2400000010  
**Total Bid:** 0  
**Response Date:** 2024-01-30  
**Response Time:** 10:46:16  
**Comments:** n/a

**FOR INFORMATION CONTACT THE BUYER**

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

**Vendor Signature X** **FEIN#** **DATE**

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	Owner Advisor Services				0.00

Comm Code	Manufacturer	Specification	Model #
80101600			

**Commodity Line Comments:** n/a

**Extended Description:**

Owner Advisor Services



**THRASHER**

# **WV DEPARTMENT OF ENVIRONMENTAL PROTECTION**

**Design-Build Owner Advisor Services  
CE01 0313 DEP2400000010**

---

**Submitted by:**  
The Thrasher Group, Inc.  
January 30, 2024

# TABLE OF CONTENTS

---

Table of Contents.....	2
Cover Letter.....	3
Required Forms.....	4
Designated Contact.....	4
Addendum Acknowledgment.....	5
AML Contractor Information Form.....	6
1. General Information.....	8
2. Project Understanding and Approach.....	11
3. Staffing.....	16
4. Similar Project Experience and References.....	28
5. Proximity to Project Site.....	35

January 30, 2024

Attn: Mr. Joseph E. Hager III, Buyer  
Electronic Submission via WVOasis

*RE: WV Department of Environmental Protection Design-Build Owner Advisor Services*

Dear Mr. Hager and Members of the Selection Committee:

The West Virginia Department of Environmental Protection is taking on a pilot project to determine whether the design-build method proves advantageous for Abandoned Mine Lands projects. A vast undertaking, it is vital that every piece of the puzzle is thought through from the outset. With experience on all sides of the design-build process, technical expertise in AML design, and decades of project management and inspection work in the state, The Thrasher Group is the right firm for the job.

Thrasher is well suited to provide owner advisor services for this project. First and foremost, we understand every aspect of the design-build process – we have provided criteria development services to a variety of clients, been a part of these teams on the design side of the house, and have a staff member on the West Virginia Design-Build Board. This gives us a well-rounded perspective on the intricacies of these projects and the many components that need considered for success. Whether it's evaluating the level of technical detail needed in the specifications packet or it's providing coordination between the owner and selected team, Thrasher will be able to guide the WVDEP through every step of these projects.

Next, our history of managing and engineering solutions for AML projects will be a key. As your proposed Program Manager, I have personally been involved with dozens of West Virginia AML projects over the years and understand the technical aspects of the work. Aiding my knowledge will be Thrasher's two current AML leads, RJ Hovatter and Brian Knight. Their hands-on work with today's AML projects will allow them to provide quality control oversight on the plans developed to ensure every component is taken into account.

Thrasher's expertise does not end there, though – our staff is comprised of one of the largest field services divisions in the state. We have a depth of personnel available to provide boots-on-the-ground inspection services as these projects go to the construction phase. This will be integral to the success of these projects and this program. Ensuring that the work being completed is done to the correct, outlined specifications will make or break the success of the project and the safety of the reclaimed lands.

Working with Thrasher on this project means you will be working with a consultant who understands the many moving pieces of this work, from the technical to the administrative. Our staff is dedicated to improving the great state of West Virginia and is passionate about integrating ourselves into the type of projects that make that happen. We appreciate the opportunity to share our qualifications with you and look forward to further discussing why The Thrasher Group is the best fit for this project.

Sincerely,  
The Thrasher Group, Inc.



Chadwick Biller, PE  
Program 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.

(Printed Name and Title) Chad Biller, Program Manager

(Address) 600 White Oaks Blvd | Bridgeport, WV 26330

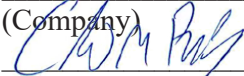
(Phone Number) / (Fax Number) 304-624-4108 | 304-624-7831

(email address) CBiller@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)

Chad Riley, Principal 01/29/2024

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

304-624-4108 | 304-624-7831

(Phone Number) (Fax Number)

CRiley@thethrashergroup.com

(Email Address)

Revised 8/24/2023



ADDENDUM ACKNOWLEDGEMENT FORM

SOLICITATION NO.: CEOI 0313 DEP240000010

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

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

Addendum Numbers Received:

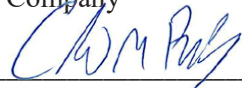
(Check the box next to each addendum received)

- Addendum No. 1
- Addendum No. 2
- Addendum No. 3
- Addendum No. 4
- Addendum No. 5
- Addendum No. 6
- Addendum No. 7
- Addendum No. 8
- Addendum No. 9
- Addendum No. 10

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

The Thrasher Group, Inc.

Company



Authorized Signature

01/29/24

Date

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

Revised 8/24/2023

OMB # 1029-0119  
Expiration Date:  
10/31/2024

## ABANDONED MINELANDS (AML) CONTRACTOR INFORMATION FORM

You must complete this form for your AML contracting officer to request an eligibility evaluation from the Office of Surface Mining Reclamation and Enforcement (OSMRE) to determine if you are eligible to receive an AML contract. This requirement can be found under OSMRE's regulations at 30 CFR 874.16. **NOTE:** This form must be signed and **dated within 30 days** of submission to be considered for a current bid.

### Part A: General Information

Business Name: The Thrasher Group, Inc.  
Tax ID #: 55-0633596  
Address: 600 White Oaks Blvd.  
City, State, & Zip: Bridgeport, WV 26330  
Phone Number: 304-624-4108  
Email Address: CRiley@thethrashergroup.com

### Part B: Obtain an Organizational Family Tree (OFT) from the Applicant Violator System (AVS)

If you plan to certify the existing AVS information or submit updates under Part C, you must include an OFT. Instructions for downloading an OFT from the AVS can be found at: <https://www.osmre.gov/sites/default/files/2022-02/OMB%201029-0119%20instructions.pdf>. If you require assistance you may contact the AVS Office by phone at: 800-643-9748, or by email at: [avshelp@osmre.gov](mailto:avshelp@osmre.gov).

### Part C: Certifying and updating information in the AVS

Select one of the options, follow the instructions for the selected option, sign, and date below.

I, Chad Riley, have express authority to certify that:  
(Print Name)

- 1. Our business is listed in the AVS. The information is accurate, complete, and up to date. (If you select this option, you must attach an Entity OFT from the AVS to this form). Do not complete Part D.
- 2. Our business is in the AVS. The information needs to be updated. (If you select this option, you must attach an Entity OFT from the AVS to this form). Complete Part D to provide the missing or corrected information.
- 3. Our business is not listed in the AVS. The information needs to be added. Complete Part D to provide the information.

01/29/24  
Date

  
Signature

Principal  
Title

OMB # 1029-0119  
Expiration Date:  
10/31/2024

### Part D: OFT Information

Contractor's Business Name: The Thrasher Group, Inc.

If the current Entity OFT information for your business is incomplete in the AVS, or if there is no information in the AVS for your business, you must provide all of the following information as it applies to your business. Please include additional copies of this page if the space below is not sufficient to capture all information.

- Every officer (President, Vice President, Secretary, Treasurer, etc.);
- All Directors, Partners, and Members;
- All persons performing a function similar to a Director;
- Every person or business that owns 10% or more of the voting stock in your business;
- Any other person(s) who has the ability to determine the manner in which the AML reclamation project is being conducted.
- **Please list an end date for any person who is no longer with your business.**

Name: Henry Wood Thrasher  
 Address: 600 White Oaks Blvd  
 City, State, Zip: Bridgeport, WV 26330  
 Begin Date: 04/01/2022  
 End Date: N/A  
 % Ownership: 19.45%  
 Position/Title: President  
 Phone Number: 304-624-4108

Name: Chad Riley  
 Address: 600 White Oaks Blvd  
 City, State, Zip: Bridgeport, WV 26330  
 Begin Date: 04/01/2022  
 End Date: N/A  
 % Ownership: 2.65%  
 Position/Title: Vice President  
 Phone Number: 304-624-4108

Name: Lauren Lint  
 Address: 600 White Oaks Blvd  
 City, State, Zip: Bridgeport, WV 26330  
 Begin Date: 04/01/2022  
 End Date: N/A  
 % Ownership: 0.83%  
 Position/Title: Treasurer  
 Phone Number: 304-624-4108

Name: Clayton White  
 Address: 600 White Oaks Blvd  
 City, State, Zip: Bridgeport, WV 26330  
 Begin Date: 04/01/2022  
 End Date: N/A  
 % Ownership: 0.83%  
 Position/Title: Secretary  
 Phone Number: 304-624-4108

### PAPERWORK REDUCTION STATEMENT

The Paperwork Reduction Act of 1995 (44 U.S.C 3501) requires us to inform you that: Federal Agencies may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a current valid OMB control number. This information is necessary for all successful bidders prior to the distribution of AML funds, and is required to obtain a benefit.

Public reporting burden for this form is estimated to range from 15 minutes to one hour, with an average of 30 minutes per response, including time for reviewing instructions, gather and maintaining data, and completing and reviewing the form. You may direct comments regarding the burden estimate or any other aspect of this form to the Information Collection Clearance Officer, Office of Surface Mining Reclamation and Enforcement, 1849 C Street, NW, Room 4559, Washington, DC 20240.

# 1. GENERAL INFORMATION

1.1. Company Profile Overview

THRASHER



**300+**

## EMPLOYEES

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



**40**

## YEARS

of delivering successful projects



**7**

## OFFICES

in West Virginia:

- Bridgeport
- Beckley
- Charleston
- Martinsburg
- Scott Depot
- Weirton
- Wheeling



## PRINCIPAL AREAS OF EXPERTISE

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



## OA EXPERIENCE

As you will see throughout this submission, Thrasher has a wide range of experience in the owner advisor role. We have provided criteria development services for a number of design-build projects and have worked as the design half of these teams in the past on numerous occasions.

**Diverse services that help communities grow.**

**THRASHER'S GOT IT**

## AUTHORIZED REPRESENTATIVE:

**Chad Riley, PE**  
**Principal; Design-Build Specialist**  
CRiley@thethrashergroup.com  
600 White Oaks Blvd. | Bridgeport, WV 26330  
Cell: 304-669-6992  
Office: 304-326-6120  
Fax: 304-624-7831

## PROJECT MANAGER

**Chad Biller PE**  
**Program Manager**  
CBiller@thethrashergroup.com  
600 White Oaks Blvd. | Bridgeport, WV 26330  
Cell: 304-288-0450  
Office: 304-326-6127  
Fax: 304-624-7831

**1983**

**DATE OF INCORPORATION**

**WV**

**STATE OF INCORPORATION**

**S Corporation**

**TYPE OF ORGANIZATION**

**FEDERAL/STATE TAX ID**

**55-0633596**

## Owners/Principals

Thrasher is privately owned and operated by an appointed Board of Advisors, with Mr. H. Wood Thrasher, PE serving as Chairman of the Board. Additional Board members include Jeff Barger, Ken Moran, Ronald Stanely, Marcia Broughton, David Hafley, and Dan Grealish. Mr. Thrasher is the majority owner of the company with several other private shareholders. Principals of the firm include: William R. Watson, Chad M. Riley, Clay P. Riley, Daniel Ferrell, Jonathan Carpenter, Craig M. Baker, H. Wood Thrasher, Clayton C. White, Eric Sherrard, H. Wood Thrasher Sons 2018 Trust, Jason Boyd, Lauren Lint, Joe Lowther, Kylea Radcliff, Jesse Alden, Doug Smith, Sam Rich, Heidi Handley, Michael Tyler, Amanda Chevront, Matt Breakey, Mike Woodall, Duane Perkins, Jenny Weaver, Phil Lantz, Robert Stowers, Jeff Gola, RJ Hovatter, Brad Messenger, Steve Haynes, Ryan Boustany, Zack Gain, Nicole Jones, Marsha Benson, Marcus Carnegie, Cole Anderson, James Howes, Aaron Rawe, Bill Ratcliffe, and Joseph Gray.



## Staffing and Workload

Our team's current staffing and workload will allow for immediate response to your needs, with availability to act as a true extension of your team. Our firm is fully staffed with engineering, construction management, and materials testing personnel to meet your needs, with a wide range of additional in-house specialists across a variety of disciplines. The employees identified as key personnel for this contract have been chosen for their specific areas of expertise and will be readily available to competently and expeditiously provide services to the West Virginia Department of Environmental Protection throughout the duration of this contract.

We understand our role to be an advisor to your team, working closely to provide quality work in a timely manner. We also understand that turnaround time on a task may be short and that timely service is critical. Thrasher routinely meets aggressive deadlines and will continue that service for this contract. We have assembled a team of responsive professionals who possess the qualifications and experience necessary to handle all aspects of this project.

## Back-Up Staff

With more than 300 qualified professionals across the company, Thrasher has the depth to provide back-up staff for this project should the need arise. Whether it's additional manpower or an emergency situation arises, our firm is the right size to provide additional personnel for any piece of the puzzle. Our Construction Services staff, in particular, is one of the largest in the area - no matter what situation arises, Thrasher is prepared to have the right staff members on site at each project location throughout the duration of construction.



### 2.1 Project Understanding

The WVDEP is undertaking a new pilot program for design-build projects in its Abandoned Mine Lands division. A completely new endeavor, this effort will be unfamiliar to the WVDEP. Having an owner advisor – or criteria developer – on board will help make the process move smoothly, with a consultant acting as an extension of the WVDEP to handle all aspects of the projects.

Whether conception of technical needs or providing as-built drawings, the WVDEP needs a multi-faceted firm on its side to move these projects along. Thrasher's background lends itself to every piece of the process – having worked as a criteria developer previously and participating in design-build teams dozens of times, we understand the intricacies of this work and how the many entities must interact for a successful outcome. Our staff will maintain strong professional relationships with all parties, recognizing the importance of each entity's role in the process and the harmony needed between them.

We also realize the keen technical abilities necessary for this role and the necessity of accurately collecting and interpreting information from the selected design-build team. Again, Thrasher's background working in these teams will prove beneficial, but our portfolio of in-house AML design work will also provide a crucial insight into the accuracy of plans presented. We will use this background to help the WVDEP in the decision making process, lending advice in the agency's best interest throughout the projects.

#### 2.1.1 Describe how you will organize and perform project tasks.

1. **Develop a stakeholder group** - a group of people with the common goal of making these projects successful by establishing clear goals, defining where there will be problems, and to make sure WV Law and Senate Bill 439 are followed. Not all of the members listed below may be involved in all of the meetings. Specific meetings may be held with one member to discuss a particular topic. A site visit to walk the project site will be completed by the entire stakeholder group. Potential members of the stakeholder group - and their roles - to consider include:
  - » **WVDEP/OSM/EPA** – Establish the vision or goals to meet
  - » **WV Purchasing Division and WVDEP Legal Counsel** – Follow WV Laws and Senate Bill 439
  - » **WV Contractor Association** – Determine the best method to get the most contractors involved
  - » **Landowners** – identify any specific project requests or unknown issues or problems
  - » **Owner Advisor** – Pull all this information out of the stakeholders and create the criteria
  
2. **Scope of Work** - From the stakeholder meetings, Thrasher will prepare a scope of work for each project including a Gantt Chart identifying key milestones. This process may take several iterations until the WVDEP approves the scope of work. All proposed work will be judged and selected by the performance-based format. Visit each site with members of the stakeholders to determine if the scope of work meets the intended project needs.

- 3. Create the final project bid binder** for potential bidders. Stakeholder meetings may be held to assist in the development of these documents. A partial list of documents to be included:
  - » Design drawings in sufficient detail to show the intended outcome of each project
  - » Existing mapping
  - » List of property owners
  - » Mine maps, if available
  - » Assist in the development of a design-build contract to be included in the bid binder, as well as any other bonding and legal documents needed during bidding
  - » Any available information to assist the bidder in developing a plan and price to complete the work
  
- 4. Create an opinion of probable** cost estimate for each project.
  
- 5. Develop and complete an evaluation matrix**, using input from the stakeholder group, that will be used to score the design-build teams. Design Build Institute of America may be used as a resource for this matrix.
  
- 6. Advertise projects** for design-build teams to submit qualifications to complete the scope of work specified.
  
- 7. Attend proprietary meetings** and document all the presentations. A maximum of three of the most qualified firms will be selected to complete the second round of bidding.
  
- 8. Request the three qualified bidders to complete preliminary plans** of how they would complete the scope of work for each project and what the cost would be to construct. This will be presented to the selection committee, which should include members of the stakeholders and others as deemed necessary. The evaluation matrix will be completed for each presentation and the winner will be selected. Price, qualifications, and project design will be evaluated for each of the three design-build teams. A final design team will be selected.
  
- 9. Develop schedules** with the design team and keep stakeholders informed of the proposed milestones. Also be responsible for ensuring the proposed designs will meet the proposed scope of work.
  
- 10. The quality advisor will be responsible for** the following items during construction:
  - » Ensure all environmental permits and right of entry are in place
  - » Conduct a preconstruction meeting that will discuss project schedules
  - » Provide full time on-site inspection services
  - » Provide an after-hours emergency contact for the project
  - » Coordinate regularly scheduled progress meetings with the WVDEP and the Contractor
  - » Complete as-built drawings of the finished project
  - » Ensure permits are closed
  - » Coordinate any warranty work that arises after the project is completed



### 2.1.2 Describe how you will identify critical milestones and ensure progress.

The Owner Advisor has the critical role of keeping all components of this project on schedule. The expectations for that schedule will be set at the beginning of the Stakeholder meeting and will be discussed at every progress meeting during design and construction. Schedules will be maintained throughout the course of the project and adjusted as needed. Communication between the owner, advisor, and contractor will be critical to keep the goal of completing the project on schedule.

### 2.1.3 Describe how you will address contingencies that may arise during the project.

These projects are complex and there will inevitably be things that arise during construction or design that can impact schedules and costs. As the Owner Advisor, Thrasher will take that into consideration from the beginning and will build in contingency amounts in both time and money to ensure the goal of completing the project within the designated constraints is a success. The design-build delivery method works very well to eliminate change order requests during construction, but project schedules may suffer, and the Owner Advisor must ensure that the project is delivered on time. The scope of the project must never be modified to minimize cost or time overruns.





### Managing the Budget

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.

And 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.



### Managing the Schedule

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.



### Managing the Scope

A key component to managing the budget and the schedule is managing the scope. Once the criteria is developed of what the WVDEP wants to accomplish, it is critical that those goals are maintained throughout the project, without significant change. Thrasher's team will work diligently to uphold the integrity of the scope, ensuring that the designs that are submitted by the design-build team matches the scope of work and the criteria that was developed. It is vital to make sure the scope doesn't get bloated but that nothing gets left out or overlooked. This will have to happen on both the design side of the house and construction side, with Thrasher working to protecting the WVDEP's interests twice as closely as usual to make sure no corners are cut and no costly additions are made.

### Quality Control Plan

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

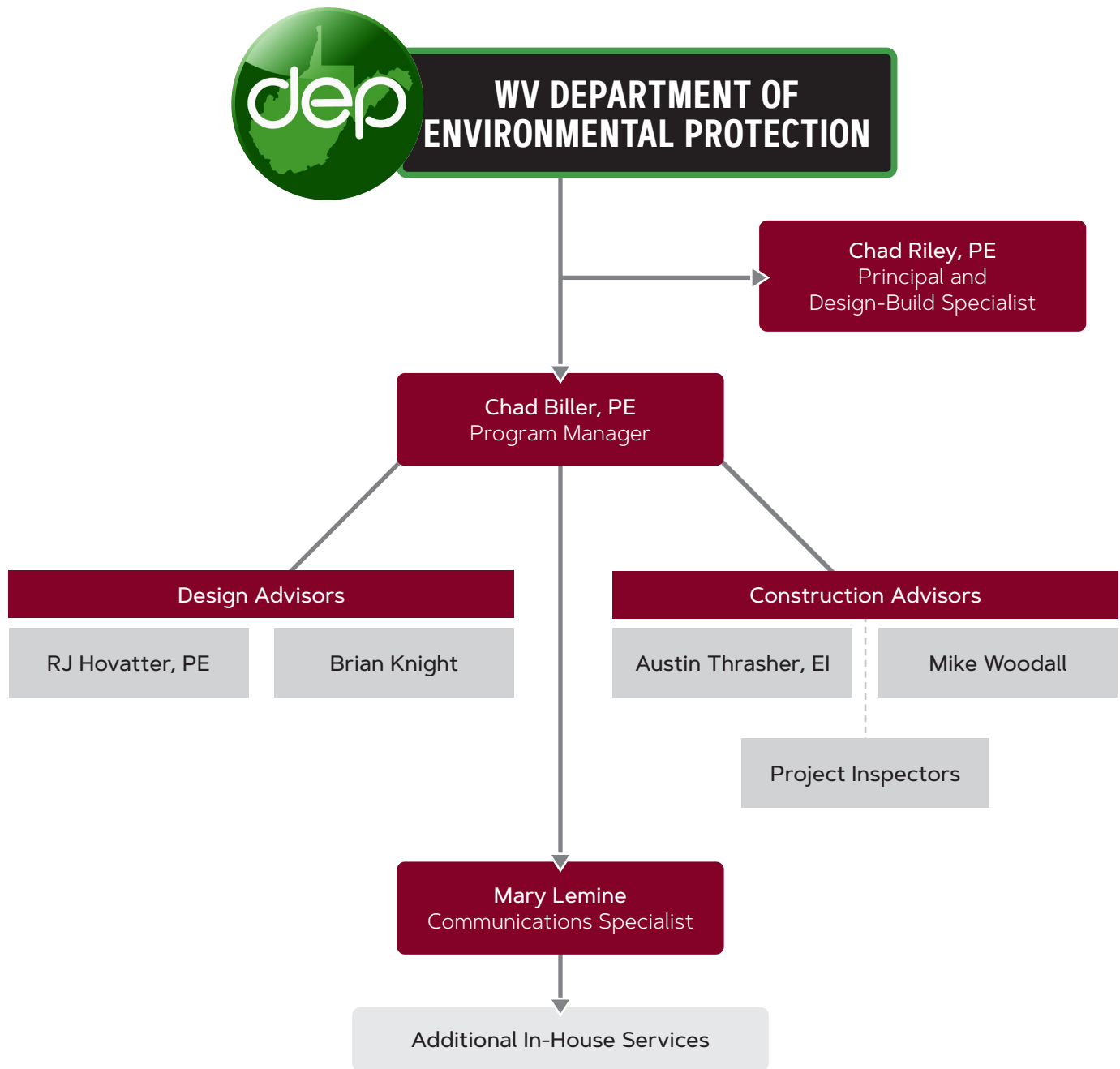
#### Project Management Procedures

- » 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





3.1.4.

Thrasher will complete all work for this project in-house, without the use of any external sub-consultants.



# CHAD RILEY, PE

PRINCIPAL AND DESIGN-BUILD SPECIALIST

## PROFESSIONAL OVERVIEW

Chad Riley, PE, has served in a variety of capacities at Thrasher over the years. He currently oversees high-level work all across the company, but has a particular specialty in industrial, business, and multi-use developments across the Mid-Atlantic region. Chad has spent a large portion of his career focusing on this work and delivering strategically designed sites for a multitude of clients using both the design-build and design-bid-build methods.

Chad's passion for bringing economic growth to the state of West Virginia and the greater region has made major impacts on the success of his client's endeavors. He has been heavily involved in dozens of economic development projects throughout the state and continues to keep a pulse on the influx of growth in West Virginia. He holds ultimate responsibility for client communication, engineering design, funding, and bidding/construction management for Thrasher's large-scale projects of all types, as well as pursuits across the company's footprint. Chad remains highly involved with each of his clients, walking them through every stage of their project and helping them navigate through West Virginia's regulatory and permitting process.

## EXPERIENCE

### Harrison County Schools Lincoln Middle School Design-Build Criteria Development

Principal | Harrison County, WV

### McDowell County Schools River View High School Field House Design-Build Criteria Development

Principal | McDowell County, WV

### Fairmont State University Parking Garage Civil Engineering Design-Build Criteria Development

Principal | Marion County, WV

### Federal Bureau of Prisons, Canaan Township U.S. Penitentiary and Federal Prison Camp Design-Build Project

Principal | Wayne County, PA

### Federal Bureau of Prisons, Glenville Correctional Institute

Principal | Gilmer County, WV

### Dominion Resources Headquarters Design-Build

Principal | Harrison County, WV

## Education

Bachelor of Science,  
Civil Engineering  
Fairmont State University

## Registrations

Professional Engineer:

- > West Virginia
- > Maryland

## Affiliations

- > President, West Virginia Design-Build Board
- > WV Economic Development Council Member
- > WV State Design Build Board
- > WV Nature Conservancy Member
- > American Society of Highway Engineers (ASHE) Member
- > 2019 Harrison County Chamber Chairman
- > Harrison County Economic Development Corporation Chairman

## Office Location

- > Bridgeport, WV
- > 150+ Additional Staff Here

## Reference

Mr. Mike Graney,  
Executive Director,  
WV Department of Economic  
Development  
304-558-2234

### 3. STAFFING

3.1.2. and 3.1.3.



## CHAD RILEY, PE

PRINCIPAL AND DESIGN-BUILD SPECIALIST

<b>Name:</b>	CHAD M. RILEY
<b>WV Professional Engineer:</b>	PE License Number: 015189
	PE License Status: Active
	PE Issue Date: 06/27/2002
	PE Expiration Date: 12/31/2024
<b>Continuing Education Claim:</b>	Qualifying Hours from Last Renewal or Reinstatement: 30.00
	Carryover Hours for Next Renewal: 0.00
	Last Renewal or Reinstatement Date*: 12/28/2022
<b>WV Engineer Intern:</b>	EI Certification Number: 7337
	EI Issue Date: 05/20/1999
<b>Primary Address of Record:</b>	600 WHITE OAKS BOULEVARD PO BOX 940 BRIDGEPORT, WV 26330
<b>Primary Employer of Record:</b>	THE THRASHER GROUP, INC. 600 WHITE OAKS BOULEVARD PO BOX 940 BRIDGEPORT, WV 26330



# CHAD BILLER, PE

PROGRAM MANAGER

## Education

Bachelor of Science,  
Civil Engineering  
West Virginia University

## Registrations

Professional Engineer:

- > West Virginia
- > Ohio

## Affiliations

- > American Society of Highway Engineers
- > American Society of Civil Engineers
- > National Society of Professional Engineers

## Office Location

- > Bridgeport, WV
- > 150+ Additional Staff Here

## Reference

Mr. Tom Cochran, Airport Director  
Raleigh County Memorial Airport  
304-255-0476

## PROFESSIONAL OVERVIEW

Chad Biller, PE, has held a wide variety of positions for Thrasher throughout his 25-year career at the firm. A talented civil engineer, Chad has a deep understanding of the infrastructure world. His portfolio includes work in land development, abandoned mine lands, roadways, bridges, airports, industrial parks, stormwater, sidewalks, trails, and more. This wide breadth of experience means He brings a diverse perspective to his projects and a depth of technical knowledge.

As a manager, Chad provides detailed updates to clients and strong relationships with state agencies. He recognizes the importance of working as an extension of his clients' team, providing guidance in their best interest throughout the course of each project. Chad's long history with West Virginia regulatory and funding agencies is a key piece of this – this background allows him to navigate projects through these complicated steps seamlessly, collaborating with each entity for the most successful outcome possible. The same rings true during construction, where he provides a hands-on approach to keep projects on track for positive outcomes.

## EXPERIENCE

**MHI RJ Hangars Criteria Development**  
Project Manager | Harrison County, WV

**North Central West Virginia Airport Aircraft Rescue and Fire Fighting Building Criteria Development**  
Project Manager | Harrison County, WV

**Confidential Client Medical Building Criteria Development**  
Project Manager | Raleigh County, WV

**WVDEP AML Anglins Run Project**  
Project Manager | Nicholas County, WV

**WVDEP AML Squires Creek Project**  
Project Manager | Preston County, WV

**WVDEP AML Landgraph Refuse Pile**  
Project Manager | McDowell County, WV

**WVDEP AML Stowe Landslide**  
Project Manager | Logan County, WV

**WVDEP AML Owl Creek Highwall #2**  
Project Manager | Monongalia County, WV

### 3. STAFFING

3.1.2. and 3.1.3.



## CHAD BILLER, PE

PROGRAM MANAGER

<b>Name:</b>	CHADWICK D. BILLER
<b>WV Professional Engineer:</b>	<b>PE License Number:</b> 013620
	<b>PE License Status:</b> Active
	<b>PE Issue Date:</b> 02/23/1998
	<b>PE Expiration Date:</b> 12/31/2024
<b>Continuing Education Claim:</b>	<b>Qualifying Hours from Last Renewal or Reinstatement:</b> 35.00
	<b>Carryover Hours for Next Renewal:</b> 5.00
	<b>Last Renewal or Reinstatement Date*:</b> 12/15/2022
<b>WV Engineer Intern:</b>	<b>EI Certification Number:</b>
	<b>EI Issue Date:</b>
<b>Primary Address of Record:</b>	150 SERENITY DRIVE BRIDGEPORT, WV 26330
<b>Primary Employer of Record:</b>	THE THRASHER GROUP, INC. 600 WHITE OAKS BOULEVARD PO BOX 940 BRIDGEPORT, WV 26330
	<p>* 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.</p>





# RJ HOVATTER, PE

DESIGN CONSULTANT

## Education

Bachelor of Science,  
Civil Engineering  
Fairmont State University

## Registrations

Professional Engineer:

- > West Virginia
- > Pennsylvania

## Certifications

- > Level I Rosgen Natural Stream Construction
- > Level II Rosgen Natural Stream Construction
- > HEC—RAS Operator Training Short Course
- > Annual Oil & Gas Training Pennsylvania—Expedited Review of ESCGP-1
- > MSHA Training

## Office Location

- > Bridgeport, WV
- > 150+ Additional Staff Here

## Reference

Mr. Jeffrey Lusk,  
Executive Director  
Hatfield-McCoy Regional  
Recreation Authority  
304-692-6782

## PROFESSIONAL OVERVIEW

Richard “RJ” Hovatter, PE, is an experienced Project Manager in Thrasher’s Land Development Market. RJ brings expertise in a range of civil engineering work, including site design, slip repair, well pad design, pipeline routing, stormwater management, utility extensions, and Abandoned Mine Land reclamation. He has spent a large portion of his career evaluating and solving problems for both public and private clients, developing feasible, sustainable, and economically friendly solutions.

A large portion of RJ’s career has revolved around the design and management of Abandoned Mine Land projects. With an understanding of both the traditional AML projects and the emerging AMLR grants, RJ has handled dozens of these projects in West Virginia, with several spanning into Maryland and Ohio as well. His has a deep respect for the importance these projects play in providing safe environments for residents and strives to provides his clients with an experience that revitalizes their property and renews its possibilities.

## EXPERIENCE

**WVDEP AML Canyon Refuse and Dump**  
Project Manager | Monongalia County, WV

**WVDEP AML Dansbranch Landslide Emergency Project**  
Project Manager | Mingo County, WV

**WVDEP AML Landgraff Refuse Pile Design**  
Project Manager | McDowell County, WV

**WVDEP AML Lyons Landslide Project**  
Project Manager | Harrison County, WV

**WVDEP AML Stowe Landslide Emergency Project**  
Project Manager | Logan County, WV

**WVDEP Shinns Run Portals**  
Project Manager | Harrison County, WV

**Hatfield-McCoy Trails Ashland Resort AML Project**  
Project Manager | McDowell County, WV

**WVDEP AML Valley Camp Mine**  
Project Manager | Taylor County, WV

### 3. STAFFING

3.1.2. and 3.1.3.



## RJ HOVATTER, PE

DESIGN CONSULTANT

#### Search: Details

<b>Name:</b>	RICHARD G. HOVATTER, JR
<b>WV Professional Engineer:</b>	<b>PE License Number:</b> 018460
	<b>PE License Status:</b> Active
	<b>PE Issue Date:</b> 12/17/2009
	<b>PE Expiration Date:</b> 12/31/2024
<b>Continuing Education Claim:</b>	<b>Qualifying Hours from Last Renewal or Reinstatement:</b> 30.17
	<b>Carryover Hours for Next Renewal:</b> 0.17
	<b>Last Renewal or Reinstatement Date*:</b> 12/31/2022
<b>WV Engineer Intern:</b>	<b>EI Certification Number:</b> 8494
	<b>EI Issue Date:</b> 12/15/2005
<b>Primary Address of Record:</b>	74 FAWN RIDGE ROAD MANNINGTON, WV 26582
<b>Primary Employer of Record:</b>	THE THRASHER GROUP, INC. 600 WHITE OAKS BOULEVARD PO BOX 940 BRIDGEPORT, WV 26330
	<p>* This date reflects the most recent license renewal (or reinstatement) date for this licensee. Continuing education hours earned prior to this date may <b>not</b> be used for future renewals.</p>



# BRIAN KNIGHT

DESIGN CONSULTANT

## Certifications

- > Project Management Course
- > Specialization
- > Leadership Development for
- > Engineers - Rice University
- > Engineering Project
- > Management - Rice University
- > OSHA 10 Hour Construction
- > Worker Training
- > CPR and First-Aid

## Office Location

- > Beckley
- > 25 Additional Staff Here

## Reference

Mr. Don Crisp, Director  
Water and Wastewater Dept.  
Wythe County, VA  
276-637-4544

## PROFESSIONAL OVERVIEW

Brian Knight is a multi-talented member of the team at Thrasher. Brian has over 18 years of experience as a drafter, project engineer/manager, and project administrator with small engineering firms and large consulting firms. During that time, he has been responsible for bidding, billing, reporting various projects, coordinating with vendors for material shipments, and meeting with state officials. Those skills serve Brian and his clients well at Thrasher, where he is diligent in providing high-quality and accurate project design and construction that meet deadlines and maintain budgets.

While Brian has a wide variety of experience in his portfolio, one of the main focuses of his work centers on Abandoned Mine Lands. He works closely with the West Virginia Department of Environmental Protection to ensure AML projects in the southern part of the state move forward successfully, from concept through completion.

## EXPERIENCE

**WVDEP AML Sullivan Refuse/Clogged Stream**  
Project Manager | Raleigh County, WV

**WVDEP Emergency AML Branchland Portals**  
Project Manager | Fayette County, WV

**WVDEP Emergency AML Belcher Hollow UMF**  
Project Manager | Kanawha County, WV

**WVDEP Emergency AML Bloomingrose**  
Project Manager | Boone County, WV

**WVDEP Glenn Alum Refuse Pile**  
Construction Manager | Mingo County, WV

**WVDEP Len's Creek Portals**  
Construction Manager | Boone County, WV

**WVDEP Monarch Portals**  
Construction Manager | Fayette County, WV

**WVDEP Broad Run Portals**  
Construction Manager | Kanawha County, WV

**WVDEP Verner Landslide Emergency Project**  
Construction Manager | Mingo County, WV

**WVDEP Switzer (Ellis) Drainage**  
Construction Manager | Logan County, WV



# AUSTIN THRASHER, EI

CONSTRUCTION CONSULTANT

## Education

Bachelor of Science  
Civil Engineering Technology  
Fairmont State University

## Registrations

Engineering Intern\*:

- > West Virginia

*\* PE Exam passed; license pending experience requirement*

## Affiliations

- > Harrison County United Way
- > Harrison County Chamber of Commerce
- >

## Office Location

- > Bridgeport, WV
- > 150+ Additional Staff Here

## Reference

Mr. Richard Zhao  
Bridgeport Heights  
304-379-8888

## PROFESSIONAL OVERVIEW

Austin Thrasher, EI, serves as Director of Construction Services. With more than a decade at the firm, Austin has gained a wide variety of knowledge and experience with projects of all types. He first started as a survey technician for Thrasher, before moving into the Construction Services division. He worked his way through the ranks over the years, providing everything from hands-on project representation services to project engineering, and project management.

Austin has handled a variety of work on large-scale developments, as well. Most notably, he provided project oversight for the White Oaks Business Development in Bridgeport. This project was a multi-disciplinary effort for the Thrasher team, with Austin at the helm coordinating all aspects.

This range of experience with boots-on-the-ground work and large engineering projects has informed Austin's approach to oversight of the department. He has a true understanding of the work it takes to complete a project and how to coordinate the right personnel for the right projects.

## EXPERIENCE

**White Oaks Retail Village II Design-Build, Mark Southern Development, White Oaks Professional Building Six**  
Owner's Representative | Harrison County, WV

**Regional Eye Associates Design-Build**  
Construction Manager | Harrison County, WV

**Oakwood Estates Phase II**  
Construction Manager | Harrison County, WV

**WestRidge Business Development**  
Construction Manager | Monongalia County, WV

**United Hospital Center East Additional Structural Inspection and Testing**  
Project Manager | Harrison County, WV

**Aurora Flight Sciences Storage Building Construction Services**  
Construction Manager | Harrison County, WV

**City of Beckley Fire Station #3 Construction Services**  
Construction Manager | Raleigh County, WV

### 3. STAFFING

3.1.2. and 3.1.3.



# AUSTIN THRASHER, EI

CONSTRUCTION CONSULTANT

<b>Name:</b>	AUSTIN WYNNE MACDOWELL THRASHER
<b>WV Professional Engineer:</b>	<b>PE License Number:</b>
	<b>PE License Status:</b> Engineer Intern
	<b>PE Issue Date:</b>
	<b>Last Renewal or Reinstatement Date*:</b>
<b>WV Engineer Intern:</b>	<b>EI Certification Number:</b> 10402
	<b>EI Issue Date:</b> 08/11/2020
<b>Primary Address of Record:</b>	600 WHITE OAKS BOULEVARD BRIDGEPORT, WV 26330
<b>Primary Employer of Record:</b>	THE THRASHER GROUP, INC.
	<p>* 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.</p>



# MIKE WOODALL

CONSTRUCTION CONSULTANT

## Certifications

- > ACI Field Testing Technician
- > ACI Aggregate Base
- > WVDOH Soil and Aggregate Compaction Technician
- > WVDOH PCC Inspector
- > WVDOH Aggregate Sampling Inspector
- > WVDOH TRET - Level III
- > PE Plastic Fusion Joining Certification
- > KTA Paint Coating Certified
- > American Concrete Institute Certification
- > Soil Compaction - Nuclear Radiation Gauge
- > API-1169 Pipeline Construction Inspector

## Trainings

- > OQ401 Fusion Inspector Training
- > OSHA 10
- > SafeLand USA
- > Veriforce Training
- > Energy Innovation
- > First Aid/CPR

## Office Location

- > Bridgeport, WV
- > 150+ Additional Staff Here

## Reference

Mr. Darrell Crum,  
Village Administrator  
Village of Caldwell  
740-732-4645

## PROFESSIONAL OVERVIEW

Mike Woodall is one of Thrasher's most seasoned construction services professionals. A principal in the firm, he brings 25 years of industry experience to our projects and an unparalleled depth of knowledge to the table. Mike has worked on a vast number and variety of projects in that time, with work spanning everything from large-scale facility developments to heavy highway jobs and everything in between. He has led hundreds of millions of dollars' worth of multifaceted work over his career with Thrasher.

Mike's background in soil, steel, concrete, and aggregate testing gives him hands-on experience that is invaluable to his clients. His knowledge of these topics is vital for the upfront phases of construction, where he helps ensure facilities are on sound footing. Additionally, he has worked in West Virginia for the majority of his career, giving him a particular expertise in what to expect out of soils, materials, and sites in the Mountain State. It also means that when problems arise, Mike knows how to get them solved.

## EXPERIENCE

### Fairmont State University Parking Garage

Construction Manager | Marion County, WV

### West Virginia Division of Natural Resources Palatine Park Boat Ramp

Construction Manager | Marion County, WV

### West Virginia Division of Highways Route 131 Benedum Drive Widening

Construction Manager | Harrison County, WV

### University Town Center Retail Park

Construction Manager | Monongalia County, WV

### Boy Scouts of America Sun Mine Road

Construction Manager | Fayette County, WV

### Hatfield-McCoy Trails Welcome Center

Construction Manager | Mercer County, WV

### White Oaks Business Park Development

Construction Manager | Harrison County, WV

### Raleigh County Airport Industrial Park

Construction Manager | Raleigh County, WV

### Hardy County Rural Development Authority Various Projects

Construction Manager | Hardy County, WV



# MARY LEMINE

COMMUNICATIONS SPECIALIST

## Education

Bachelor of Science,  
Strategic Communications &  
Public Relations  
West Virginia University

Master of Science,  
Journalism  
West Virginia University

## Affiliations

- > Women in Aviation International Member
- > WAI Mountain State Chapter Membership Chair

## Office Location

- > Bridgeport, WV
- > 150+ Additional Staff Here

## Reference

Mr. Jason Myers,  
General Manager  
Clarksburg Water Board  
304-623-3711

## PROFESSIONAL OVERVIEW

Mary Lemine has been an integral part of Thrasher's Marketing and Communications team since 2018. Through the years, Mary has risen to lead the internal Marketing team in her current role as Marketing Manager. In her day-to-day, Mary oversees the quality of all print and digital content for both Thrasher and for clients that utilize Thrasher for communications assistance.

Mary revolutionized Thrasher's communications support services for clients by developing a program internally that allows her team to work as content developers for a plethora of applications. She and her team have developed press releases, social media campaigns, collateral marketing pieces, and much more to bolster overall project success. In addition to her role as the Marketing Manager, she also works with Thrasher's Business Development team to engage a host of different clients and ensure that client satisfaction remains the hallmark of our business.

## EXPERIENCE

**State of West Virginia Build Back Better Regional Cluster Challenge**  
Grant Writing Assistance | Statewide, WV

**West Virginia Department of Economic Development  
Office of Broadband Outreach**  
Communications Specialist | Statewide, WV

**Regional Optical Communications Statewide Broadband Study**  
Communications Specialist | Statewide, WV

**West Virginia International Yeager Airport Various Projects**  
Communications Specialist | Kanawha County, WV

**Benedum Airport Authority WV AeroTech Park**  
Communications Specialist | Harrison County, WV

**Lubeck Public Service District Water System Evaluation**  
Communications Specialist | Wood County, WV

**Town of Romney Water Line Extension**  
Communications Specialist | Hampshire County, WV

**Town of Nutter Fort Chub Run Sanitary Sewer Extension**  
Communications Specialist | Harrison County, WV

**Valley HealthCare New Treatment Center**  
Communications Specialist | Marion County, WV

**Clarksburg Water Board Lead Service Lines**  
Communications Specialist | Harrison County, WV



### **HARRISON COUNTY SCHOOLS** Lincoln Middle School Criteria Development

#### **Client Contact:**

Mr. Jimmy Lopez, Assistant Superintendent  
445 W Main Street | Clarksburg, WV 26301  
304-326-7300

The Harrison County Board of Education was the first entity in the state to use the West Virginia Design-Build Board process to construct a new school. The BOE hired Thrasher as the criteria developer for the project, making our team responsible for facilitating the project's success. Our staff worked closely with Harrison County Schools to understand the exact needs for the building and translated those requirements into the criteria for the design-build teams to bid on. Following the state's process, we also oversaw the review and scoring of the submitted technical and cost proposals and selection of the winning design-build team. Once they began work, Thrasher reviewed designs to ensure they met the intent of the project and then worked with the owner's representative throughout construction.

This project had several unique aspects that required attention. First, the design itself necessitated a close eye – while the work went through a new design process, it still had to meet the same criteria as any other school built in the state. Thrasher used our background in K-12 design to help ensure that those criteria were met, with particular emphasis on the WV Department of Education's Policy 6200 and the WV School Building Authority regulations.

On the construction side of things, special considerations needed taken because of the new school's site. The building was to be located over an abandoned coal mine, which needed more than \$1 million worth of grout to address. An existing gas well was also located on site that had to be capped for the project to move forward.

Chad Riley, Principal, was instrumental in the execution of this project.



4.1.



### **BENEDUM AIRPORT AUTHORITY** MHI RJ Hangars 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 had a tenant (MHI RJ) on the airfield that had outgrown their facilities and was operating out of temporary tents and multiple buildings. This strained the tenant's operations and therefore they needed a more permanent solution. MHI RJ approached the Airport Authority about their need to expand on the airfield. The Thrasher Group provided cradle to grave assistance on the project, including criteria development, design, and construction administration.

This project was several years in the making. Thrasher and the Airport worked closely with MHI RJ when they first identified the need to expand, but they ran into issues with the traditional process of designing concept plans and cost estimates before soliciting contractors. After much discussion, it was decided that a design-build process would be the most economical option for the company. To make that happen, Thrasher worked closely with MHI RJ to identify the specific items needed for the new facility, such as the size of the hangar door, how many planes needed to fit in each, how many workers would be in the facility, and other similar considerations. Our staff then translated those needs into criteria for design-build teams to bid on, allowing the selected team to design the hangars as efficiently as possible.

Chad Biller, Program Manager, was instrumental in the execution of this project.



### **BENEDUM AIRPORT AUTHORITY** ARFF Building Criteria Development

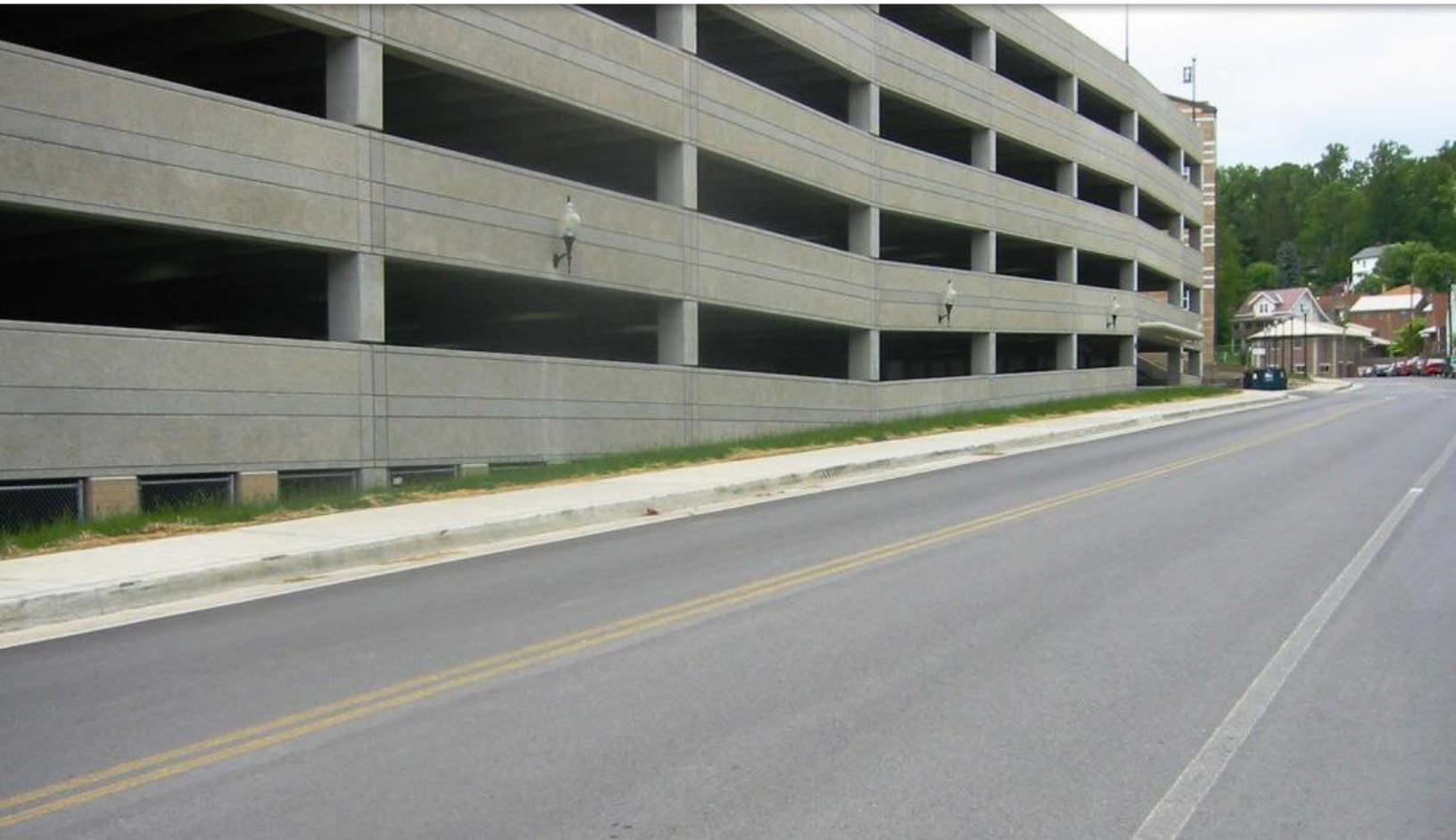
#### **Client Contact:**

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.

Chad Biller, Program Manager, was instrumental in the execution of this project.



### **FAIRMONT STATE UNIVERSITY** Parking Garage Civil Criteria Development

As part of Fairmont State University's 10-year capital improvement bond, the school needed to construct a new parking garage to better accommodate students, faculty, and staff on the growing campus. A five-story, pre-cast concrete garage with 900 parking spaces, the project was a large undertaking for the University. The Thrasher Group worked closely with them as the criteria developer for the civil engineering side of the project, taking into consideration everything from site planning and grading, utilities and stormwater, concrete and asphalt and more. Our team also assisted during construction, ensuring compliance with the identified performance criteria.

Chad Riley, Principal, was instrumental in the execution of this project.

## 4. SIMILAR PROJECT EXPERIENCE AND REFERENCES

THRASHER

4.1.

In addition to our work as criteria developers, Thrasher has been involved on the design side of dozens of design-build projects over our 40-year history. This experience on the other side of the project means that we have a true understanding of what information an engineer needs to properly get materials together for their design-build submission. This knowledge and expertise will help us ensure the WVDEP is getting the best submissions possible and a competitive atmosphere is created for these projects.

A sampling of our previous design-build work includes:

- » WVDEP New Headquarters
- » The Thrasher Group's Bridgeport Headquarters
- » Dominion Resources Headquarter Facility
- » Antero Land Services Building
- » Antero Resources Regional Headquarters
- » White Oaks Progress Centre Complex
- » Southview Centre Percheron Building
- » Community Care Buckhanan
- » Akron-Canton Regional Airport Visitor Center



### Schedule and Budget Example

Thrasher recognizes the vast importance of keeping all projects on time and within budget. Design-build projects in particular need a keen eye on these topics due to the nature of their execution – often used as a way to expedite projects, keeping things moving is key to meeting tight deadlines while providing a close look at the construction process is vital for keeping within budget, all while making sure quality stays at a premium.

While we pay close attention to these concepts on all of our projects, one that took extra facilitation was the MHI RJ design-build hangars featured previously in this submission. This ended up being quite a complex project to manage due to its timing – the project was started with a quick turnaround time on the books, but COVID hit shortly after its inception, putting a major obstacle in the way of both budget and schedule. While the contractor was able to keep moving, materials suppliers were slowed down significantly. Thrasher worked closely with MHI RJ, suppliers, and the contractor to identify alternative options for moving forward within reasonable cost and time parameters in this new landscape, keeping in mind that the client’s success was dependent on the availability of space in these new facilities.

Ultimately, the project was built in two phases so one hangar would be operational as quickly as possible while the second was still being constructed. Other time and cost saving measures were put in place as well, including locking the contractor into their bid for one year and ordering the pre-engineered building far ahead of schedule to allow for extra time. These types of hands-on management practices allowed the project to stay within 5% of its estimated cost and experienced just a two-month delay, an impressive feat during unprecedented times.





### **Chad Riley, PE | Principal and Design-Build Specialist**

Experienced in all facets of the design-build world, Chad will provide high-level oversight to all work completed on this project. His experience as an engineer on these types of projects - not to mention his role on the West Virginia Design-Build Board - gives him unmatched knowledge of the key components for success in these projects, which he will use to help the WVDEP move forward seamlessly.



### **Chad Biller, PE | Program Manager**

Chad will provide hands-on management for every step of the project process, serving as the direct contact for the WVDEP. His background in both design-build projects and AML work give him the perfect combination of expertise for this project. Chad's decades of management experience and technical prowess will allow him to provide a high-quality service for the WVDEP and a successful outcome for this project.



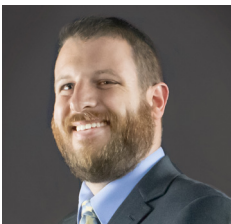
### **RJ Hovatter, PE | Design Consultant**

One of RJ's core responsibilities at Thrasher is managing AML projects, primarily in the northern part of the state. His in-depth knowledge of the technical needs for these projects will be used solely to verify that the parameters Chad develops take into consideration all of the necessary aspects for the solicitation process and the design.



### **Brian Knight | Design Consultant**

The southern West Virginia counterpart to RJ, Brian is also very experienced in the management and execution of AML work. He will play a similar role to RJ, helping to review the documents that Chad develops to ensure the highest level of accuracy and that all pieces of the puzzle have been taken into account.



### **Austin Thrasher, EI | Construction Consultant**

As the Director of Construction Services for the firm, Austin and his team play an integral role in every project. For this work, he will lend his construction expertise to review plans from a constructability standpoint and will use his staff to oversee project progress in the field. Austin's personnel will provide on-site project representation to ensure the selected contractor follows all plans and specs appropriately.



### **Mike Woodall | Construction Consultant**

Mike is one of Thrasher's most experienced construction managers. He has spent decades overseeing projects of all types, making him well versed in the potential obstacles and opportunities that arise on the job site. He and his staff will keep a keen eye on the construction process at each AML location and work to create successful outcomes at each.



### **Mary Lemine | Communications Specialist**

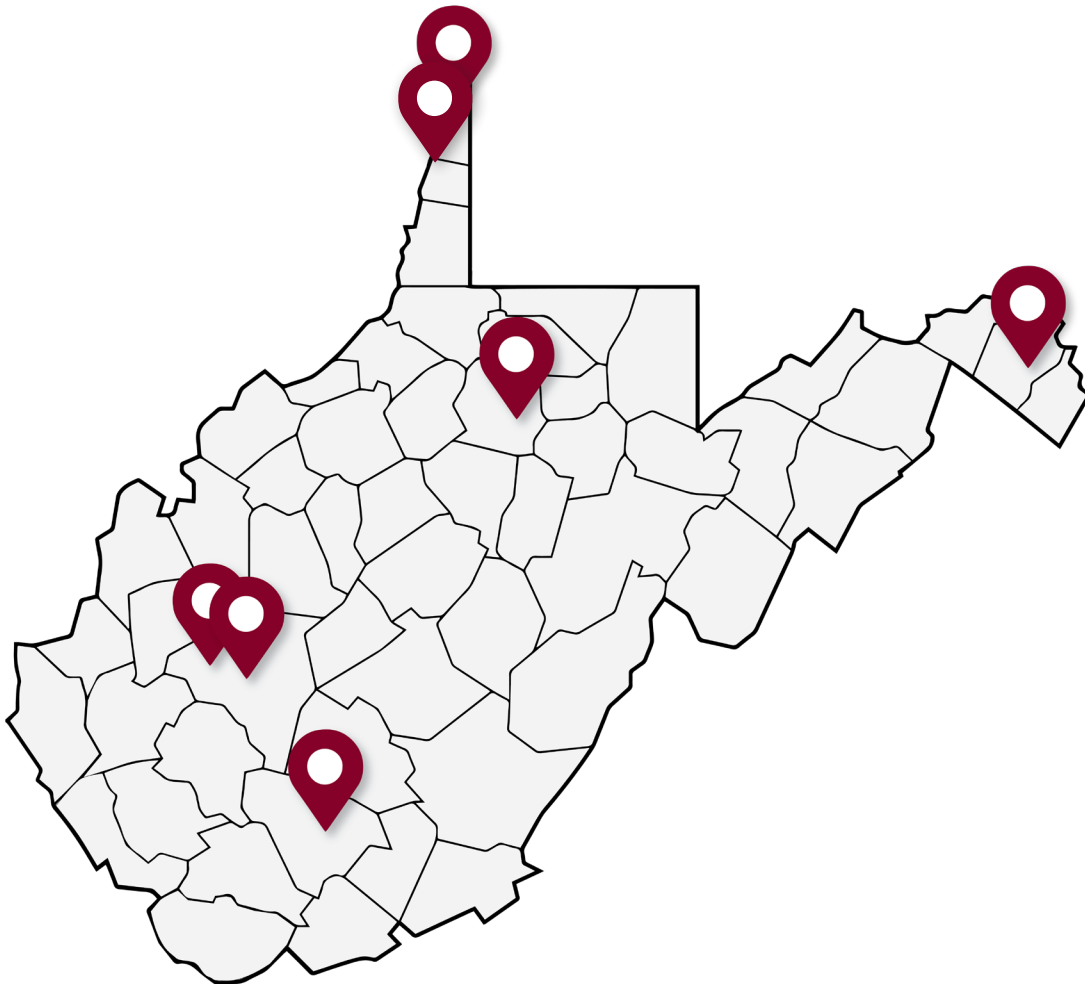
Mary brings a different perspective to the table - a pure focus on communication. Her skills can be utilized in a wide variety of ways, from providing project updates to the public to creating technical materials needed along the way. She will be available for assistance at public meetings if needed and will lend her expertise to help move the project forward.

## 5. PROXIMITY TO THE PROJECT SITE

5.1.1. and 5.1.2.

With 10 offices across the Mid-Atlantic region - and seven right here in West Virginia - Thrasher has more than enough capacity to handle this project. The majority of personnel assigned to this contract will be dispatched from our Bridgeport headquarters, which is home to more than 150 staff members. Brian Knight, who works out of our Beckley office, will be the only person at this time working out of a different location - our Beckley office, home to 25 of our professionals. Our project representatives who will oversee the construction process may come from any number of locations but will be dispatched from the closest to the project site to help keep costs low and local knowledge high.

We understand that the projects currently slated by the WVDEP are positioned all across the state. Our office locations will be well positioned to serve these many different sites - Thrasher has grown our offices strategically to be able to serve the entirety of West Virginia expeditiously.





THRASHER