



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: 1131449

SO Doc Code: CEOI

Procurement Type: Central Contract - Fixed Amt

SO Dept: 0310

Vendor ID: 000000204787

SO Doc ID: DNR2300000003

Legal Name: THE THRASHER GROUP INC

Published Date: 11/7/22

Alias/DBA:

Close Date: 11/30/22

Total Bid: \$0.00

Close Time: 13:30

Response Date: 11/30/2022

Status: Closed

Response Time: 9:33

Solicitation Description: A&amp;E - DNR Law Enforcement New Boat Dock Parkersburg

Responded By User ID: Thrasher

Total of Header Attachments: 1

First Name: Anjelica

Total of All Attachments: 1

Last Name: D'Annunzio

Email: adannunzio@thethrashergr

Phone: 304-624-4108



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

State of West Virginia  
Solicitation Response

**Proc Folder:** 1131449  
**Solicitation Description:** A&E - DNR Law Enforcement New Boat Dock Parkersburg  
**Proc Type:** Central Contract - Fixed Amt

Solicitation Closes	Solicitation Response	Version
2022-11-30 13:30	SR 0310 ESR11302200000002572	1

**VENDOR**  
000000204787  
THE THRASHER GROUP INC

**Solicitation Number:** CEOI 0310 DNR2300000003  
**Total Bid:** 0  
**Response Date:** 2022-11-30  
**Response Time:** 09:33:22  
**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	Civil engineering				0.00

Comm Code	Manufacturer	Specification	Model #
81101500			

**Commodity Line Comments:** n/a

**Extended Description:**

New Law Enforcement Boat Dock along the Little Kanawha River at Parkersburg, WV.



# THRASHER



## WV DIVISION OF NATURAL RESOURCES

CEOI 0310 DNR2300000003

Law Enforcement Boat Dock

Submitted by:  
The Thrasher Group, Inc.  
November 30, 2022



COMPLEX PROJECTS  
REQUIRE RESOLVE  
**THRASHER'S GOT IT**

November 30, 2022

Attn: Mr. Joeseeph E. Hager III  
joseph.e.hageriii@wv.gov

*RE: WVDNR — Law Enforcement Boat Dock*

Dear Mr. Hager and Selection Committee Members:

The West Virginia Division of Natural Resources wants to construct a Law Enforcement Boat Dock along the Little Kanawha River. Along with security fencing and a 24-hour access controlled gate, this new space will house up to three law enforcement boats, require power and refueling capabilities, and parking spaces for up to 10 vehicles. With services ranging from site work and civil engineering to environmental services and aquatic studies, the WVDNR needs a wide variety of tasks accomplished to make this project a reality. The Thrasher Group is the right firm for the job.

We have assembled a team that is experienced with dock and ramp design in West Virginia and Ohio. Over the past several years, Thrasher has planned and designed boating facilities along the Elk River, Monongahela River, the Kanawha River, and tributaries of the Ohio River to provide direct boating access to the Ohio River. We have a deep understanding of the engineering design and environmental permitting behind these facilities and the options associated with providing an economical, efficient, and flood resistant facility.

The Ohio River in Parkersburg is a busy location for both commercial and recreational traffic. Our team understands the importance of easy access for law enforcement to the Ohio River and how a well-designed facility can make their job easier by having a conveniently placed and well thought out boat facility. Our team would love to be involved in this project and we appreciate the opportunity to share our qualifications with you. We look forward to further discussing how The Thrasher Group can help you create a successful river access point and water craft parking facility for the West Virginia Division of Natural Resources.

Sincerely,  
The Thrasher Group, Inc.

Chad Riley, PE  
Principal



**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 Riley, Principal

(Address) 600 White Oaks Blvd

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

(email address) criley@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

November 28, 2022

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

304-624-4108

304-624-7831

(Phone Number) (Fax Number)

criley@thethrashergroup.com

(Email Address)

ADDENDUM ACKNOWLEDGEMENT FORM  
SOLICITATION NO.: CEOI 0310 DNR2300000003

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

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

Addendum Numbers Received:

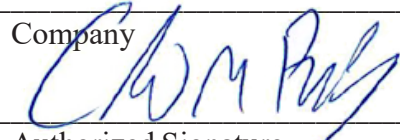
*(Check the box next to each addendum received)*

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

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

**The Thrasher Group, Inc.**

Company



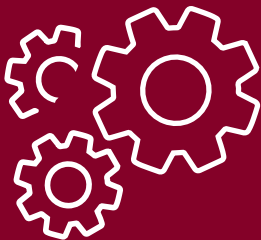
Authorized Signature

**November 28, 2022**

Date

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

# FIRM OVERVIEW



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

## Main Point of Contact:

Robert Milne, PE  
Project Manager  
rmilne@thethrashergroup.com  
Cell: [REDACTED]  
Office: 304-326-6141



# 300+

## EMPLOYEES

- 36** Licensed Professional Engineers
- 10** Licensed Professional Surveyors
- 6** Licensed Professional Architects
- 2** Licensed Professional Landscape Architects



# 39

## YEARS

of delivering  
successful  
projects

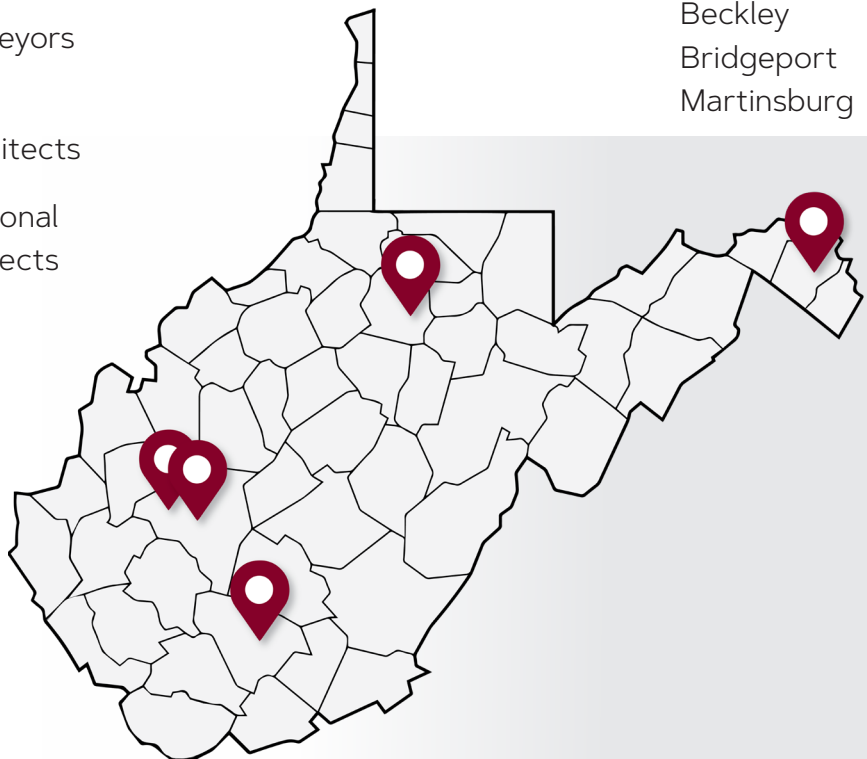


# 5

## OFFICES

in WV:

Charleston  
Scott Depot  
Beckley  
Bridgeport  
Martinsburg



## 2. APPROACH TO YOUR GOALS

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

**We understand your goals for this Law Enforcement Boat Dock project and will handle them in the following manner:**

### **Goal 2.1 | Review Existing Plans and Conditions**

The Thrasher Group can provide the West Virginia Division of Natural Resources will all of the services required. This will begin with a review of the program for the facility, along with a review of existing site conditions. Communication with all stakeholders will be key to align project expectations with the budgetary, timeline, and physical constraints of the project.

### **Goal 2.2 | Facility Design**

With a full team of in-house experts, Thrasher will be able to provide all necessary architecture and engineering services to design the new Law Enforcement Boat Dock in Parkersburg. As a well established West Virginia firm, we have a deep understanding of the local codes, laws, applicable state regulations, and federal permitting that will be necessary for this project. Our recent experience with similar projects also gives us an up-to-date understanding of the challenges that may arise and the processes involved. This will prove beneficial in sticking to outlined timelines and budgets, as Thrasher will be able to plan ahead to meet the regulations from the outset. As budget is such an important aspect of our work, Thrasher's cost estimating and budgeting information can be found in more detail in the coming pages.

### **Goal 2.3 | Construction Contract Administration**

Our construction services team always plays a major role in the Thrasher full-service package. We have a Construction Administrator on staff — Bill Ratcliffe — who works in our Charleston office and will help oversee the work being done at the Law Enforcement Boat Dock. Bill and the team have the competence you need to ensure your project is constructed correctly and functions as designed.

## 2. APPROACH TO YOUR GOALS

Thrasher will keep your project goals in mind throughout the process. We will address each in turn, working directly with the West Virginia Division of Natural Resources to meet your needs with the project approach outlined below. Thrasher will conduct design review meetings with your team at each phase of the process, making sure we are keeping with the overall intention of the project.

**Our general steps for project management are as follows:**

### ***Step 1 - Project Scoping***

Our project manager will meet with you to review the goals and objectives for the project to establish a clearly defined scope of work. At this time we understand at a high level the project will involve planning, design, permitting, and construction administration. The details of our involvement in each of these categories will be flushed out in this meeting to set clear expectations on our role throughout the project.

### ***Step 2 - Field Work***

Thrasher's engineering team will perform a site visit to review existing conditions and identify opportunities and constraints associated with the design of this project. This assessment will involve documenting existing conditions and allowing our team to lay eyes on the project first hand. Our surveyors and mapping group will establish base mapping for the design of this project during this phase by locating existing features, utilities, ordinary high water mark levels, and water levels at the time of survey. The Little Kanawha River in this area is a FEMA Zone AE studied flood zone with cross sections and base flood elevations identified. Our survey team will clearly identify the flood elevations in the area

### ***Step 3 - Conceptual Design***

Thrasher will prepare conceptual designs for the project that meet the identified goals and objectives for the project. These designs will illustrate different alternatives that are possible to meet these goals and objectives. Each conceptual design will be presented to the client and a preliminary opinion of construction

cost will also be presented at this time to assist with the evaluation of each option. During the conceptual design phase Thrasher will also identify any specialized studies or permits that would be associated with the construction of this project.

### ***Step 4 - Construction Documents & Permitting***

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

### ***Step 5 - Bid Process***

Thrasher will assist the WVDNR and stakeholders in preparation of the bid documents and will attend pre-bid meetings and assist in issuance of addenda.

### ***Step 6 - Construction Administration***

Thrasher will manage the construction process by assisting the WVDNR in submittal reviews, pay applications reviews, change order reviews. Additionally our project manager will coordinate progress meetings where issues are brought up and resolved and progress is tracked through scheduling submitted by the contractor. The project team will also provide periodic inspections of the project to confirm the construction meets the expectations set forth in the contract documents.

### ***Step 7 - Project Close Out***

Upon completion of the project, the Thrasher team will work with the General Contractor to assure that all closeout documents are provided and that the facility is fully complete and functional at turn over.

# 3. STAFF QUALIFICATIONS



## CHAD RILEY, PE

Principal

Chad Riley, PE has served in a variety of capacities at Thrasher over the years. As a Project Executive, 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 manufacturing and commercial clients.

### Education

Bachelor of Science,  
Civil Engineering  
Fairmont State University

### Registrations

Professional Engineer:

- > West Virginia
- > Maryland

### Affiliations

- > 2019 Harrison County Chamber Chairman
- > Harrison County Economic Development Corporation Chairman
- > WV Economic Development Council Member
- > WV State Design Build Board
- > WV Nature Conservancy Member
- > WV Young Presidents' Organization Member
- > American Society of Highway Engineers (ASHE) Member

### Certifications

- > WVDOH Certified Concrete Technician / Compaction Technician

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. Chad has been heavily involved in dozens of economic development projects throughout the state and continues to keep a pulse on the influx of industrial growth in West Virginia. Chad holds ultimate responsibility for client communication, engineering design, funding, and bidding/construction management for Thrasher's large-scale industrial projects. 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

#### WV Division of Natural Resources

##### Palatine Park Boat Ramp Design

Role: Principal

- > Marion County, WV

#### Marion County

##### Economic Development Authority

##### Palatine Park Splash Zone

Role: Principal

- > Marion County, WV

#### City of Shinnston

##### Parks and Recreation Trails

Role: Principal

- > Harrison County, WV

#### Bridgeport Recreation Complex Development and Design

Role: Principal

- > Harrison County, WV

#### City of Bridgeport

##### Convention and Visitor's Bureau New Facility

Role: Principal

- > Harrison County, WV

#### City of Salem

##### Slip Repairs

Role: Principal

- > Harrison County, WV

#### Hatfield-McCoy

##### Regional Recreation Authority

##### Pocahontas Trail System and Trailhead Facility

Role: Principal

- > Mercer County, WV

#### Boy Scouts of America

##### The Summit Bechtel Reserve Welcome Center

Role: Principal

- > Fayette County, WV



# 3. STAFF QUALIFICATIONS



## ROBERT MILNE, PE

Project Manager

Robert Milne, PE has over 30 years of experience working with both public and private clientele throughout the Mid-Atlantic region to develop millions of dollars' worth of commercial, industrial, residential, and mixed-use sites. Rob's in-depth understanding of site layout, design, permitting, and funding have enabled him to complete several complex projects that have boosted economic development and delivered safe, sustainable building sites.

In addition to his engineering expertise, Rob serves as an experienced Senior Project Manager for Thrasher. His years of hands-on experience and in-depth knowledge is an asset for his clients. Rob uses this knowledge to oversee every aspect of his projects, including design standards, staff assignments, project schedules, and client communication. He takes the time to understand the needs of each client and finds specific solutions to their problems to provide a high-quality experience.

### Education

Master of Science,  
Civil Engineering  
West Virginia University

Bachelor of Science,  
Civil Engineering  
West Virginia University

### Registrations

Professional Engineer:

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

### Affiliations

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

### Certifications

- > ODOT Non-complex Roadway Design prequalification
- > ODOT Complex Roadway Design prequalification
- > ODOT Bridge Design Level 1.1/1.2 prequalification

### Trainings

- > USACE-Access Control Point Design Training Course

### Experience

#### WV Division of Natural Resources

##### Elk River Boating Access

Role: Project Manager

- > Kanawha County, WV

#### WV Division of Natural Resources

##### Palatine Park Boat Ramp Design

Role: Project Manager

- > Marion County, WV

#### City of Morgantown

##### Hazel Ruby McQuain

##### Riverfront Park Improvements

Role: QA/QC

- > Monongalia County, WV

#### Caperton Furniture Works

##### Employee Parking Lot Expansion

Role: Project Manager

- > Morgan County, WV

#### City of Morgantown

##### 8th Street Trailhead Project

Role: Project Manager

- > Monongalia County, WV

#### Grace Chapel

Role: Project Manager

- > Preston County, WV

#### Canal Place ADA, Pedestrian, and Bikeway Improvements

Role: QA/QC

- > Allegany County, MD

# 3. STAFF QUALIFICATIONS



## JEFF GOLA, PE

Civil Engineer

Jeff Gola, PE is an integral part of The Thrasher Group's Land Development Market. He has accrued more than 20 years of experience in the design and construction of public works projects. In that time, Jeff has been a part of a variety of project types, including sidewalks, dams, bridges, roadways, stormwater systems, and retaining walls. He has dedicated much of his career to understanding the structural design elements that govern these infrastructure projects and takes a methodical design process to ensure his work takes these elements into account so that his projects remain safe, stable, and secure throughout their use.

In addition to his public works projects, Jeff is also highly experienced in the transportation world. He has built a large portfolio of these projects over the years, having been involved in more than \$100 million worth of critical transportation infrastructure. He has worked alongside the West Virginia Division of Highways for 17 years and has also become an expert in airport design and construction, working directly with the Federal Aviation Administration.

### Education

Bachelor of Science,  
Civil Engineering  
West Virginia University

### Registrations

Professional Engineer:

- > West Virginia
- > Maryland

### Affiliations

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

### Experience

#### WV Division of Natural Resources Palatine Park Boat Ramp Design

Role: Senior Site Engineer

- > Marion County, WV

#### City of Morgantown Hazel Ruby McQuain Riverfront Park Improvements

Role: Senior Site Engineer

- > Monongalia County, WV

#### Doddridge County Parks and Recreation Commission Park Road Upgrades

Role: Project Manager

- > Doddridge County, WV

#### City of Bridgeport Multi-Use Trail Pedestrian Bridge

Role: Project Manager

- > Harrison County, WV

#### City of Fairmont Multi-Use Trails Connectivity Plan

Role: Structural Engineer

- > Marion County, WV

#### Clarksburg Aquatic Center Existing Pool Demolition and Addition of New Water Park

Role: Senior Site Engineer

- > Harrison County, WV

#### City of Pleasant Valley Parking Lot Upgrades

Role: Project Manager

- > Marion County, WV

#### Canal Place ADA, Pedestrian, and Bikeway Improvements

Role: Project Manager

- > Allegany County, MD

# 3. STAFF QUALIFICATIONS



## SAM RICH, PLA

Landscape Architect

Samuel Rich, PLA is a Landscape Architect at The Thrasher Group. He leads the firm's Land Development Market, ensuring our clients receive the highest quality product possible. In addition to his management role, Sam oversees the design process for a variety of land development and planning projects in the recreational, commercial, residential, municipal, and industrial sectors. Sam and his team work with clients to take projects from the development stages all the way through construction, providing site evaluation, master planning, estimating, project marketing, and final design services. Visualizing and evaluating design alternatives is one of his specialties, enabling Sam to effectively communicate with clients what their project will look like and how it will function long before the finished product is constructed.

In addition to master planning for specific sites, Sam has worked on several projects that have a more regional or community-based planning focus. He has a particular passion for community improvement and economic development projects and has experience with multiple regional recreational trail and water access planning initiatives. In addition to these regional projects, Sam has managed several projects with a focus on Downtown or City-wide beautification efforts in communities of various sizes.

### Education

Bachelor of Science,  
Landscape Architecture  
West Virginia University

### Registrations

Professional Landscape  
Architect:

- > West Virginia
- > Virginia
- > North Carolina

### Affiliations

- > American Society of  
Landscape Architects

### Experience

#### WV Division of Natural Resources

##### Elk River Boating Access

Role: Landscape Architect

- > Kanawha County, WV

#### Hatfield-McCoy Regional

##### Recreation Authority

##### Trails Welcome Center

Role: Landscape Architect

- > Mercer County, WV

#### Boy Scouts of America

##### New River Trek

Role: Landscape Architect

- > Fayette County, WV

#### Boy Scouts of America

##### JW and Hazel Ruby

##### Welcome Center

Role: Project Manager

- > Fayette County, WV

#### Boy Scouts of America

##### JW Marriott JR

##### Leadership Center

Role: Landscape Architect

- > Fayette County, WV

#### Hatfield-McCoy Regional

##### Recreation Authority

##### Ashland Resort Master Plan

Role: Project Manager

- > McDowell County, WV

#### West Virginia Visitor Center

##### Conceptual Plan and

##### Feasibility Study

Role: Project Manager

- > Cabell County, WV

#### Canal Place ADA, Pedestrian, and Bikeway Improvements

Role: Landscape Architect

- > Allegany County, MD

# 3. STAFF QUALIFICATIONS



## SAM WILKES, LRS, PWS

Environmental Lead

Sam Wilkes, LRS, PWS is an Environmental Project Manager within Thrasher's Land Development Market. Sam is a Professional Wetland Scientist and a WVDEP certified Licensed Remediation Specialist. He brings over 23 years of consulting experience as a project manager and senior environmental scientist, providing technical support to watershed management, restoration, natural resource conservation, and hazardous materials programs. Sam is experienced at providing project oversight and managing field teams and contractors collecting wetland, stream quality, environmental media data, and general site condition data for site characterization. He regularly interacts with his clients and manages project budgets and staffing plans, while providing quality control review of project deliverables. Sam understands the importance of delivering projects on time and providing a proactive management style to his clients.

### Education

Master of Science  
Environmental Science & Policy  
Johns Hopkins University

Bachelor of Science,  
Earth & Environmental Science  
Wilkes University

### Registrations

Professional Wetland Scientist  
> Licensed Remediation  
Specialist

### Affiliations

> Society of Wetland Scientists

### Trainings

> SafeLand Trained, June  
> 2014  
> OSHA HAZWOPER  
> 1910.120/1926.65; 40 Hour  
Training & 8 Hour annual  
refresher trainings  
> OSHA 10 Hour Construction  
Worker Training, October  
> 2020  
> OSHA 30 Hour Construction  
Worker Training, November  
2020  
> Wilderness First Aid, CPR &  
AED Training; November 2020  
> Level I Fluvial Geomorphology,  
by David Rosgen

### Experience

#### Raleigh County Commission

##### Clear Fork Rails to Trails

Role: Project Manager

> Raleigh County, WV

#### Cabin Creek Healthcare System

##### NEPA Environmental Assessment

Role: Project Manager

> Kanawha County, WV

#### WV State University

##### NEPA Environmental Assessment

Role: Project Manager

> Kanawha County, WV

#### West Virginia Total Maximum

##### Daily Load Development

Role: Environmental Consultant

> Various Counties, WV

#### Kanawha County

##### Board of Education

Role: Environmental Consultant

> Kanawha County, WV

#### Kanawha County

##### Regional Transportation Authority

Role: Environmental Project  
Manager

> Kanawha County, WV

#### Hampshire County

##### Development Authority

##### Hospital Asbestos Abatement

Role: Environmental Lead

> Hampshire County, WV

#### Sleepy Hollow

##### Residential Development

Role: Environmental Lead

> Putnam County, WV

#### Wholesale Tire

##### Site Characterization

Role: Environmental Lead

> Harrison County, WV

#### City of Bluefield

##### Exit 1 Site Development

Role: Project Manager

> Mercer County, WV

# 3. STAFF QUALIFICATIONS



## AARON RAWE, PS

Survey Specialist

Aaron Rawe serves as a Survey Project Manager for Thrasher working out of the Bridgeport office. Mr. Rawe's experience covers various aspects of surveying, including routing, as-builts, preliminary, construction stakeout and boundary of construction management. Mr. Rawe is experienced both in the field and orchestrating projects behind the scenes. Aaron brings over six years of pipeline and asset management experience to the team.

### Education

Associates of Science,  
Surveying Technology  
Glennville State College

### Registrations

Professional Surveyor:

- > West Virginia
- > Kentucky

### Certifications

- > Safeland
- > OSHA Training
- > First Aid and Medical  
Emergency Action Procedure
- > West Virginia Society of  
Professional Surveyors

As part of his management role, Mr. Rawe also meets with project stakeholders, area residents, local utility companies, and the project engineers to ensure that schedules are being met and to regularly update all parties on construction status. Additionally, Mr. Rawe is progressively responsible for the coordination of field crews, data collection, site layouts, ALTA surveys, subsidence and topographic surveys.

Mr. Rawe also assists in the management of the Mapping Department here at Thrasher. He is responsible for the coordination between photogrammetrist and field crews in helping determine the placement of photo targets and items to be located for photo control. He helps process and QA, QC all data coming in from the field before delivering it to the photogrammetrist to use for the air trig of the projects.

### Experience

#### Boy Scouts Welcome Center 200 Acre Site Survey, Topographic, and Utility Surveys

Role: Survey Manager

- > Fayette County, WV

#### WV I-81 As-Built

Role: Survey Manager

- > Berkeley County, WV

#### Metro Towers

#### Topographic, Control and Property Location Surveys

Role: Survey Manager

- > Monongalia County, WV

#### Morgantown Transfer Station Topographic and Construction Layout

Role: Field Surveyor

- > Monongalia County, WV

#### Ruby Memorial Hospital Topographic and Utility Location Surveys

Role: Survey Manager

- > Monongalia County, WV

#### Williams Field Services Oak Grove

Role: Field Surveyor

- > Marshall County, WV



### 3. REFERENCES

#### **City of Ravenswood**

**Mr. Josh Miller, Mayor**  
1 Wall Street  
Ravenswood, WV 26164  
304-273-2621

#### **Marion County Commission**

**Mr. Randy Elliott, Commissioner**  
200 Jackson Street  
Fairmont, WV 26554  
304-367-5400

#### **City of Smithers**

**Ms. D. Anne Cavalier, Mayor**  
P.O. Box 489  
Smithers, WV 25186  
304-442-5282

### 3. STAFF CERTIFICATIONS

<b>Name:</b>	CHAD M. RILEY
<b>WV Professional Engineer:</b>	<b>PE License Number:</b> [REDACTED]
	<b>PE License Status:</b> Active
	<b>PE Issue Date:</b> 06/27/2002
	<b>PE Expiration Date:</b> 12/31/2022
<b>Continuing Education Claim:</b>	<b>Qualifying Hours from Last Renewal or Reinstatement:</b> 30.00
	<b>Carryover Hours for Next Renewal:</b> 0.00
	<b>Last Renewal or Reinstatement Date*:</b> 12/27/2020
<b>WV Engineer Intern:</b>	<b>EI Certification Number:</b> [REDACTED]
	<b>EI Issue Date:</b> 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
	<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>

### 3. STAFF CERTIFICATIONS

<b>Name:</b>	ROBERT R. MILNE
<b>WV Professional Engineer:</b>	<b>PE License Number:</b> [REDACTED]
	<b>PE License Status:</b> Active
	<b>PE Issue Date:</b> 07/28/1999
	<b>PE Expiration Date:</b> 12/31/2022
<b>Continuing Education Claim:</b>	<b>Qualifying Hours from Last Renewal or Reinstatement:</b> 32.00
	<b>Carryover Hours for Next Renewal:</b> 2.00
	<b>Last Renewal or Reinstatement Date*:</b> 05/06/2021
<b>WV Engineer Intern:</b>	<b>EI Certification Number:</b> [REDACTED]
	<b>EI Issue Date:</b> 07/01/1998
<b>Primary Address of Record:</b>	[REDACTED]
<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>



### 3. STAFF CERTIFICATIONS

Name:	JEFFREY L. GOLA
WV Professional Engineer:	PE License Number: [REDACTED]
	PE License Status: Active
	PE Issue Date: 05/30/2003
	PE Expiration Date: 12/31/2022
Continuing Education Claim:	Qualifying Hours from Last Renewal or Reinstatement: 45.00
	Carryover Hours for Next Renewal: 15.00
	Last Renewal or Reinstatement Date*: 12/26/2020
WV Engineer Intern:	EI Certification Number: [REDACTED]
	EI Issue Date: 07/01/1998
Primary Address of Record:	[REDACTED]
Primary Employer of Record:	THE THRASHER GROUP, INC. 600 WHITE OAKS BOULEVARD PO BOX 940 BRIDGEPORT, WV 26330
	<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>

### 3. STAFF CERTIFICATIONS

## WEST VIRGINIA STATE BOARD OF LANDSCAPE ARCHITECTS

This is to certify that

**Samuel A. Rich**

having given satisfactory evidence of good moral character and being possessed of the necessary skill, training and experience is hereby granted the right and privilege to practice and use the title of

**LANDSCAPE ARCHITECT  
in the State of West Virginia**



Number [REDACTED]

In witness whereof we set our hand and seal  
this 1st day of NOVEMBER 2018.

Michael R. Bagley, PLA  
Chairman

[Signature] PLA  
Secretary

### 3. STAFF CERTIFICATIONS

## 2023 WEST VIRGINIA PROFESSIONAL SURVEYOR 2023

The West Virginia Board of Professional Surveyors certifies that the individual listed below is a PROFESSIONAL SURVEYOR who has qualified for a license under Chapter 30, Article 13A, Code of West Virginia, and has met the requirements for license renewal for the period ending June 30, 2023



AARON [REDACTED] WE  
P.S.



#### Board Members

Sefton Stewart, PS, Chairman

Tom Rayburn, PS, Secretary

Gary Facemyer, PE, PS

Lantz Rankin, PS

Douglas McElwee, Esq.

**Issued**  
**07/01/2022**



**Expires**  
**06/30/2023**

Executive Director  
Amber Shawver Legg

**2023**

State of West Virginia  
Board of Professional Surveyors



**AARON J. RAWE**  
**P.S.LIC.** [REDACTED]

Is a PROFESSIONAL SURVEYOR who has qualified for a license under Chapter 30, Article 13A, Code of West Virginia, and has met the requirements for license renewal for the period ending June 30, 2023

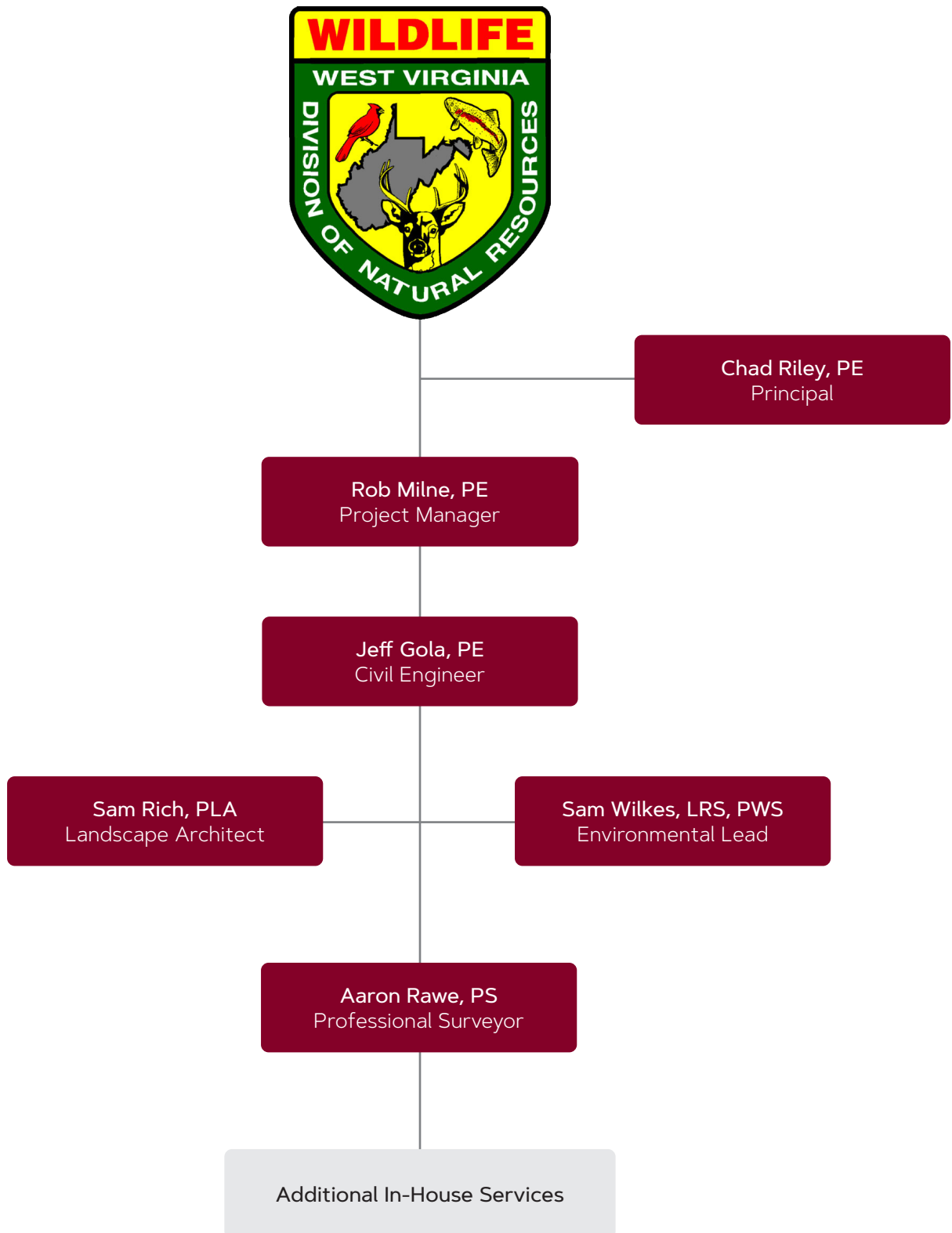
**Expires:**  
**06/30/2023**

State of West Virginia  
Board of Professional Surveyors  
1124 Smith Street, Suite B127C  
Charleston, WV 25301

Phone (304) 558-0350  
Fax (304) 558-0352

Website: [www.wvbps.wv.gov](http://www.wvbps.wv.gov)  
Email: [wvbps@wv.gov](mailto:wvbps@wv.gov)

### 3. STAFFING PLAN





### 3. PAST PROJECTS



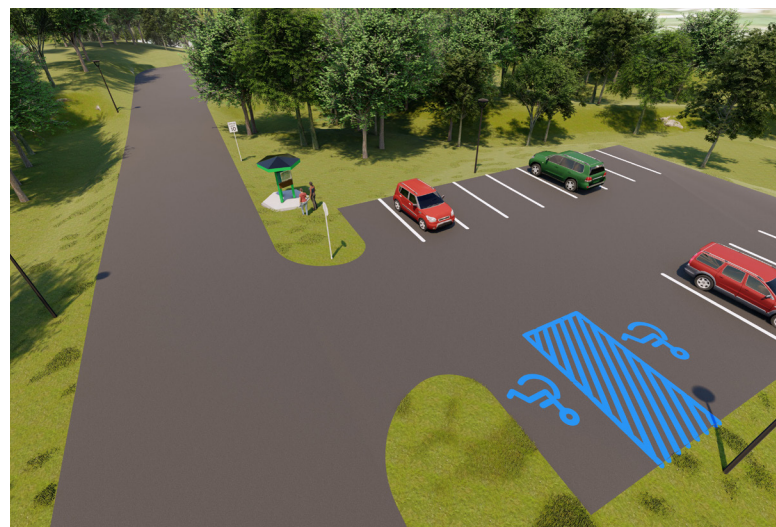
#### WVDNR Elk River Boat Ramp

##### Client Contact:

Mr. Zack Brown,  
Assistant Chief - Operations Wildlife Resources Section  
324 Fourth Ave | South Charleston, WV 25303  
304-558-2771

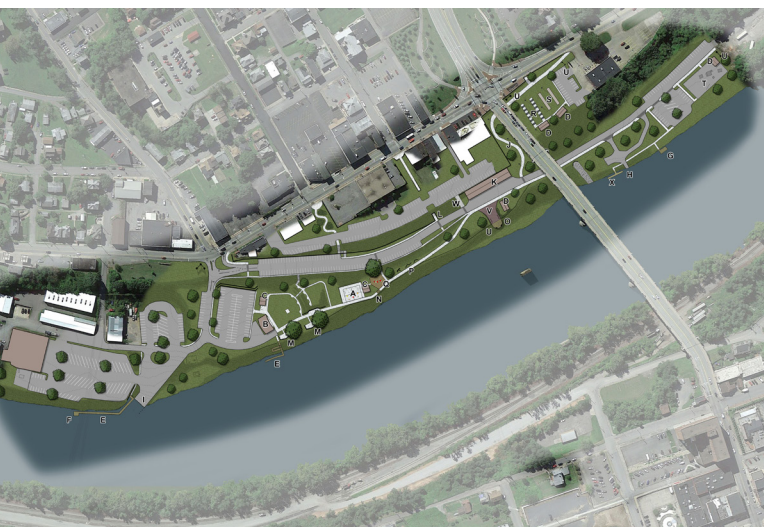
Thrasher worked with the WVDNR to design five new boating access sites along the Elk River in Kanawha County, WV. These ramps were designed to allow for small craft access and are spaced out along five sites: Big Chimney, Blue Creek, Coonskin Park, and South and North Clendenin. The access points will provide much needed access to the Elk River and include parking, lighting, signage kiosks, site furnishings, boat ramps, and other basic amenities for users to enjoy.

The projects are wrapping up construction, and are expected to be completed by the end of the year.





### 3. PAST PROJECTS



#### MARION COUNTY EDA & WVDNR Palatine Park Master Plan & Improvements

##### Client Contact:

Mr. Kris Cinalli, Marion County Administrator  
200 Jackson Street | Fairmont, WV 26554  
304-367-5425

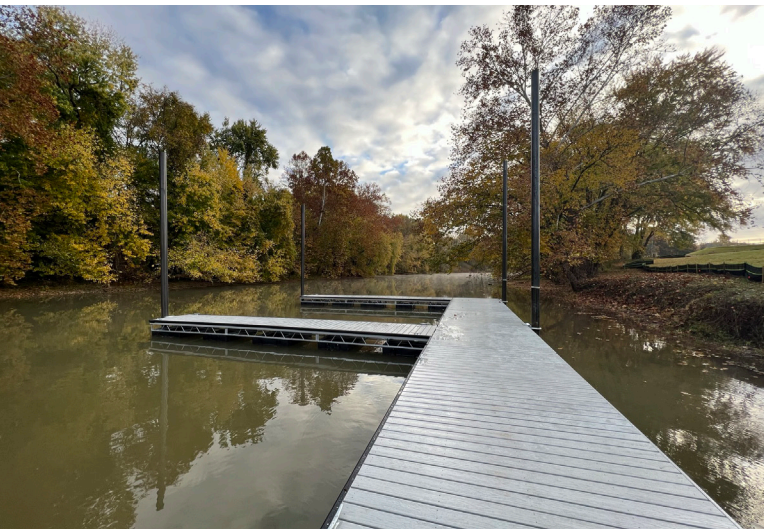
Thrasher has had the pleasure of working with both the Marion County Economic Development Authority and the West Virginia Division of Natural Resources on rehabilitation of an existing boat ramp and the addition of a new three-lane boat ramp at Palatine Park in Fairmont, WV. For the EDA, the first phase of this project involved Thrasher developing a comprehensive master plan to help guide the County Commission to understand their long-term goals for the park.

After the master plan was complete, the Thrasher team began the design of a new splash park. Our team has worked on a plethora of other projects in the park, including bleachers, restrooms, an amphitheater, and more.

Thrasher also worked with the Marion County EDA and the West Virginia Division of Natural Resources on existing and new boat ramp projects at the park. Our team completed the revitalization of the existing single lane boat ramp, parking area, and access at the western end of Palatine Park. This was completed as part of Phase III of the Palatine Park extension with the Marion County EDA. This project features a new three-lane boat ramp, parking, and is fully ADA-accessible.



### 3. PAST PROJECTS



#### CITY OF RAVENSWOOD

##### Sand Creek Marina

##### Client Contact:

Mr. Josh Miller, Mayor

1 Wall Street | Ravenswood, WV 26164

304-273-2621

The City of Ravenswood has a vision to renovate the Washington Riverfront Park along the Ohio River into a tourism attraction and major community asset. Thrasher has been working with the City for several years to develop plans, budgets, and outline phases of construction to help make this project a reality. The overall project will involve several features, including gathering venues, boating facilities, shelters, trails, a pedestrian bridge across Sand Creek, and the removal of the existing sewer lagoons to create space for a sports recreation complex.

The first phase of construction started in the fall of 2022 with the construction of a 12-slip boat dock and access gangway, a 60-space parking lots, and 13 recreational vehicle camping spaces with full water, sewer, and electric hookups. Thrasher assisted the City of Ravenswood with the design, bidding, construction administration, and inspection of the project construction. The project will be open for public use for the spring/summer season of 2023.

### 3. PAST PROJECTS



#### OHIO DEPARTMENT OF NATURAL RESOURCES Mosquito Lake Harbor Master Building

##### Client Contact:

Mr. David Kirschner, PE - Project Manager  
2045 Morse Road, Building E-3 | Columbus, OH 43229  
614-265-7080

Thrasher completed the Harbor Master Building architectural design, site design, utility extensions, and boat dock design in 2022. Thrasher completed the studies of the existing site and associated site amenities, including an existing retail building, which received a facelift. Other design components include full design for architectural, structural, mechanical, and electrical.

The new building includes amenities such as a retail area equipped with vending machine hook-up, bait tank hook-up, and a souvenir shopping area, along with flush restrooms and covered outdoor seating area.

Thrasher needed to coordinate the site improvements with Gandee & Associates. Gandee was hired by Ohio Department of Natural Resources to upgrade the fuel pumps and tanks at this location also. One of the new boat docks were to support the fuel delivery system to the boating public. Both docks were floating docks and provided tie offs for several boats at this location.

Other services Thrasher provided was survey, construction inspection, and materials testing services. We have teamed with Resource International for the additional services of Geotechnical and Phase I Environmental Site Assessment. Civil design included required new grading for the building and additional utility design, as required, to get the sanitary sewer to the new building location.



## 3.1A COMMUNICATION APPROACH

Communication throughout any project is a primary key to success. To that end, Thrasher will begin communication with the WVDNR immediately upon notification of award and will maintain consistent lines of communication for the duration of the project. This will ensure all parties involved — owner, contractor, and engineer — will always be apprised of the project happenings.

The two main components of the project approach will be design and construction. Each will have its own plan for communication.

### Communication During Design

Prior to the initiation of design services, Thrasher's Project Manager, Rob Milne, will discuss preferred methods of communication with the WVDNR's point of contact. Updates during the design phase can occur in numerous ways:

- » Weekly status updates via email
- » Weekly conference calls
- » Monthly progress meetings

No matter the methods preferred, our project teams are well versed in keeping our clients abreast of project status. We can customize your project's communication plans to best fit your teams' wants and needs.

### Communication During Construction

Before construction begins, Rob will again meet with the WVDNR team to determine preferred communication tools for this phase of the project. Open, consistent communication will be paramount to keep the project on-time and within budget.

Additionally, Thrasher will conduct monthly progress meetings with the contractor, the WVDNR, and key project stakeholders throughout the duration of the project. Meeting minutes will be distributed to all attendees and any other agents identified by the WVDNR. Action items will be documented within the meeting minutes.

Throughout construction, Thrasher will have people on-site for project representation as well as material testing. Anytime a Thrasher employee is on site during construction, a field report will be prepared. Field reports will be reviewed by the engineering team and distributed to the WVDNR's construction representative on a weekly basis.

## 3.1B COST CONTROL



### Cost control

Thrasher follows four main cost control principles:

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

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

**Understanding of what things cost** — Thrasher has a knowledgeable construction administration team that understands what it truly costs to make things happen. Rather than relying on general industry standards, our Construction Estimator, Jim Decker, can tell you what something will cost in actuality. Jim, who has a contracting license, knows how to navigate both sides of a bid process and can deliver an accurate look at your project costs up front.

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



### Budgeting

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

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.

## 3.1C MEETING YOUR TIMELINES



### Scheduling

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

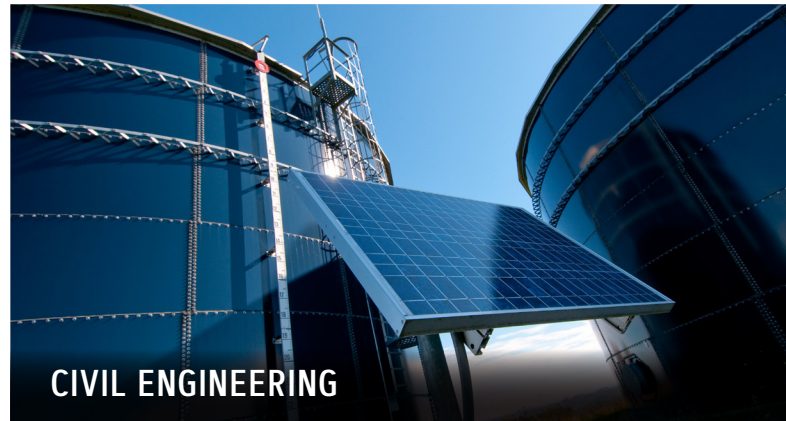
To accomplish these goals, Thrasher utilizes scheduling to track every stage of a project - from design and bidding through construction completion. We also require contractors working on our projects to regularly update their project schedules and give a detailed progress report at each job meeting,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





## 3.1D COMPETENT EXPERIENCE

As a full-service engineering firm, Thrasher has employees from a diverse set of backgrounds and specialties. Our range of skills will allow us to guide you through each step of this project seamlessly. We partner with our clients to help with, and facilitate solutions to, any arising challenges. A sampling of the services we offer is below:







THRASHER