



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: 970677

Procurement Type: Central Purchase Order

Vendor ID: 000000204787

Legal Name: THE THRASHER GROUP INC

Alias/DBA:
Total Bid: \$0.00

Response Date: 01/11/2022

Response Time: 9:19

Responded By User ID: Thrasher

First Name: Caroline

Last Name: Marion

Email: cmarion@thethrashergro

Phone: 304-624-4108

SO Doc Code: CEOI

SO Dept: 0313

SO Doc ID: DEP2200000006

Published Date: 12/10/21

Close Date: 1/11/22

Close Time: 13:30

Status: Closed

Solicitation Description: EOI - Francis Drainage Maintenance

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: 970677
Solicitation Description: EOI - Francis Drainage Maintenance
Proc Type: Central Purchase Order

Solicitation Closes	Solicitation Response	Version
2022-01-11 13:30	SR 0313 ESR01112200000004103	1

VENDOR
000000204787
THE THRASHER GROUP INC

Solicitation Number: CEOI 0313 DEP2200000006
Total Bid: 0
Response Date: 2022-01-11
Response Time: 09:19:00
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	EOI Engineering Design Services				0.00

Comm Code	Manufacturer	Specification	Model #
81100000			

Commodity Line Comments:

Extended Description:

*Dates of Service are estimated for bidding purposes only.

THRASHER



WVDEP — FRANCIS DRAINAGE MAINTENANCE

CEOI 0313 DEP2200000006

Submitted by:
The Thrasher Group, Inc.
January 11, 2022

January 11, 2022

Attn: Joesph E. Hager, III
Department of Administration, Purchasing Division
2019 Washington Street East
Charleston, WV 25305-0130

RE: WVDEP Francis Drainage Maintenance

Dear members of the selection committee:

As a West Virginia-based company that has been serving the state for nearly 40 years, The Thrasher Group, Inc. (Thrasher) has a passion for undertaking projects like the Francis Drainage Maintenance that improve our communities. We understand the landscape of the area and have the ability to provide the necessary services to restore the safety of the structures involved. We have a long history with this region of West Virginia, having worked on projects of a similar scope in this general area, and consider ourselves a partner with West Virginia Department of Environmental Protection (WVDEP).

Our portfolio is full of work that meets the criteria you are looking for including, drainage collection and conveyance, mitigation of existing portals, and a wide variety of related issues. Our experience will allow us to work with you to efficiently identify project goals, establish accurate budgets, and develop successful outcomes for the project.

Our team will carry over the same approach and methodology used for the Kempton Refuse Rehabilitation project. This will ensure that the Francis Drainage Maintenance project is completed to the highest quality of standards. With our headquarters located less than 10 miles from the project location, we can easily be on site to manage your project and handle any issues that may arise. The service you receive from Thrasher will be unparalleled!

We appreciate the opportunity to continue our partnership with the WVDEP and look forward to further speaking with you about the needs for this project.

Sincerely,
The Thrasher Group, Inc.



Richard Hovatter Jr., PE
Project Manager

A photograph of two construction workers from behind, wearing white hard hats and high-visibility yellow safety vests. They are looking at a set of blueprints held by the worker on the left. The background is a blurred construction site with warm, golden-hour lighting.

SECTION 1

Background

THRASHER

FIRM OVERVIEW



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

Main Point of Contact:

RJ Hovatter, PE
Project Manager
rhovatter@thethrashergroup.com
Cell: 304-669-6848
Office: 304-205-8809



300+

EMPLOYEES

34 Licensed
Professional Engineers

10 Licensed
Profession

6 Licensed
Profession

2 Licensed P
Landscape



38

YEARS

of delivering
successful
projects



9

OFFICES

in five states:

West Virginia

Virginia

Florida

Georgia

Alabama



HISTORY

With a commitment to building business through “successful projects and repeat clientele,” H. Wood Thrasher, PE and the late Henry A. Thrasher, PE, formed Thrasher Engineering, Incorporated in Clarksburg, West Virginia in 1983. Since that time, the company – now known as The Thrasher Group, Inc. – has transformed into one of the Mid-Atlantic region’s largest full-service privately owned architectural and engineering firms.

Thrasher has grown from its original three employees to a current staff of over 300 and continues to prosper. Instilled in each employee is a commitment to maintaining the highest standards of professional service. Our team has the experience, knowledge, versatility, and integrity to get the job done. With a 38-year history of driving infrastructure development for public and private clients, we have a reputation of keeping our word and completing projects on time and on budget.





AML DESIGN

The Thrasher Group has provided design services to a number of Abandoned Mine Lands projects over the years. We are leaders in the industry, having completed projects for emergency repairs, using AML grants, and as part of the AML Pilot Program.

Our team has been a part of all types of AML work, including, but not limited to:

- » Highwalls
- » Portals
- » Slope Stabilization
- » Landslides
- » AMD Treatment
- » Refuse and Dump Improvements

Drainage Design: All AML projects completed by Thrasher have required design of drainage structures. These have included vegetated, grouted, riprap channels, as well as culverts and storm sewers. Drainage calculations are completed to properly size all conveyances.

Permitting: The permitting process can delay projects if they are not submitted correctly or in a timely manner. Thrasher takes pride in on our ability to quickly obtain permits for our clients. We are able to utilize our excellent relationship with the WVDEP for NPDES permits as well as our relationship with the West Virginia Division of Highways for entrance and drainage permits. We are also experienced in obtaining Army Corp of Engineers permits from both the Pittsburgh and Huntington District Offices for stream bank restoration, wetland mitigation, and construction, linear transportation and utility line projects, and temporary construction access and dewatering.



SITE DEVELOPMENT

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

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

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

Site Development Expertise:

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



ENVIRONMENTAL SERVICES

In today's ever-changing regulatory landscape, compliance with federal and state environmental laws is critical to the success of projects. Compliance can often seem at odds with the project vision and financial constraints. The Thrasher team partners as a technical and regulatory advocate to overcome obstacles and guide our clients through complicated policies to achieve their goals.

From initial investigations to final design, our environmental experts are there to assist in all facets of our clients' projects. Our team has developed relationships with academic consultants from multiple universities that are here to aid in specialized assessments.

SERVICES:

- Acid Producing Rock Plans
- All Appropriate Inquiry (AAI)
- Asbestos Surveys, Brownfields Redevelopment, and Voluntary Remediation Program
- CERCLA Preliminary Assessments and Investigations
- Ecological Studies
- Environmental Site Assessments (Phase 1 and Phase 2 ESA's)
- Erosion and Sediment Control Plans
- Karst Hazard Assessment and Mitigation Plans
- Groundwater Monitoring and Sampling
- NEPA Compliance for Federally Funded Projects (CATEX, EA, EIS)
- National Pollutant Discharge System (NPDS)
- Rare, Threatened, Endangered Bat Surveys (WV)
- Rare, Threatened, and Endangered Species Surveys (PA)
- Rare, Threatened, and Endangered Plants Surveying (PA)
- Remediation Investigation and Feasibility
- Soil Sampling
- Solid and Hazardous Waste Management
- Stormwater Pollution Prevention Plan (SWPP) Compliance Plan
- Stream Assessments, Design, and Mitigation
- Studies, Alternatives, and Design
- Uniform Environmental Covenants Act
- Wetland Delineation, Design, and Mitigation



ENVIRONMENTAL COMPLIANCE

The Environmental Division of the Thrasher Group provides permitting, consulting, and assessment services to a multitude of clients spanning the Mid-Atlantic region. With a combined 40 years of compliance experience, Thrasher's Environmental Scientists, Permitting Leads, and Project Managers are able to take even the most complex and time restrictive projects and provide clients with cost effective and timely solutions.

Federal Permitting:

- > Clean Water Act
Section 404 Permits
 - > *United States Army Corps of Engineers*
- > Endangered Species Act
Section 7 and Section 9 Consultations
 - > *United States Fish and Wildlife Service*
- > National Environmental Policy Act
Categorical Exclusions, Environmental Assessments, and Environmental Impact Studies
- > National Preservation Act
Section 106 Consultation
 - > *State Historic Preservation Office or Division of Culture and History*
 - > *United State Army Corps of Engineers*

State and Local Permitting:

- > Local Level Floodplain or Building Permits
- > State Level Aquatic Resource
Encroachment and Impact Permits
- > State Level Industrial Waste
Discharge Permits
- > State Level Roadway Encroachment,
Crossing, and Occupancy Permits
- > State Level Rare, Threatened, and
Endangered Species Consultations
- > State Responsible Regulations
of the Clean Water Act Section
401 and 402 Permits



SURVEY AND MAPPING SERVICES

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

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

Route Location Surveys:

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

GPS Surveys:

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

General Survey Services:

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

Coal and Energy Surveys:

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

The background image shows two construction workers from behind, wearing white hard hats and high-visibility yellow safety vests with reflective silver stripes. They are looking down at a set of blueprints held by the worker on the right. The background is a blurred construction site with warm, golden-hour lighting.

SECTION 2

Project and Goals

THRASHER

PROJECT AND 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.

Our team is prepared to complete all of the following services:

- > Perform site investigation
- > Remove existing treatment systems
- > Design waste areas for deposited metals in existing treatment areas
- > Determine borrow area/material for reclamation area
- > Design passive treatment system rehabilitation/retrofit
- > Design oxidation bed treatment area.
- > Design to mitigate AMD drainage
- > Design of drainage conveyances, including drainage channels, underdrains, and/or other controls to safely convey water off-site
- > Condition and revegetate all disturbed areas

We understand your goals for the Francis Drainage Maintenance project and will handle them in the following manner:

► GOAL/OBJECTIVE 2.1

The Thrasher Group will evaluate the project site, use previous experience from Kempton, and communicate effectively with the DEP to develop construction plans and technical specifications to rehabilitate and retrofit the passive treatment facility at the AML area, Francis Drainage Maintenance. We will then determine a plan that can be implemented realistically in a manner that will meet all objectives.

► GOAL/OBJECTIVE 2.2

We are confident that Thrasher can provide all of the necessary services to provide site engineering services for this AML Project. We will develop the design plans and specifications to control any associated water on-site as well as design oxidation beds to replace current treatment facilities.

► GOAL/OBJECTIVE 2.3 - 2.4

Thrasher will provide design plans and develop specifications to control any associated ground water, limits of disturbance, stormwater control, erosion and sediment prevention, and any other conditions encountered at the Francis Drainage Maintenance site. Thrasher will also ensure all disturbed areas will be regraded and revegetated.

PROJECT MANAGEMENT PLAN

Thrasher is a statewide, full-service group with the experience and ability to work on complex-natured projects and the necessary environmental capabilities to handle the Francis Drainage Maintenance project. To make sure your project is completed successfully, Thrasher follows the approach outlined below:

Project Inception

Thrasher not only takes the time to understand the scope of work, but takes the time to understand other issues that may arise while executing your project. We attend various meetings to provide progress updates, listen to the constituents and their concerns, and focus on ways to address them to ensure everyone is working together.

Availability

Thrasher has a unique advantage because of our strategically placed office locations throughout the state of West Virginia. Our team has the capability to respond quickly and effectively to meet client needs as they arise, including emergency situations that allow very little notice.

Addressing Each Project

Every project has unique issues and needs. We take an individualized approach to ensure those needs are being met to the fullest of our capability. As each project arises, it will be assessed and broken down into manageable phases laid out as a road map to success.

Coordination/Communication

Your project manager, RJ Hovatter, will serve as your main point of contact for this project. Initial support will begin with consistent

communications and internal Thrasher Quality Control processes (site surveys, stakeholder reviews, comment resolution, etc.). RJ will also be in constant contact with members of the WVDEP in order to maintain transparency during the process.

Rehab/Retrofit Passive Treatment Facility

Thrasher will provide plans and specifications for maintenance of the existing facility based on the projects needs.

Drainage Design

All of the AML projects completed by Thrasher have required design of drainage structures, like the Francis Drainage Maintenance project. In the past, these have included vegetated, grouted, rip-rap channels, as well as culverts and storm sewers. Drainage calculations were completed to properly size all conveyances.

Permitting

The permitting process can delay projects if they are not submitted correctly or in a timely manner. Thrasher takes pride in on our ability to quickly obtain permits for our clients. We are able to utilize our excellent relationship with the WVDEP for NPDES permits as well as our relationship with the West Virginia Division of Highways for entrance and drainage permits. We are also experienced in obtaining Army Corps of Engineers permits from both the Pittsburgh and Huntington District Offices for stream bank restoration, wetland mitigation and construction, linear transportation and utility line projects, and temporary construction access and dewatering. You can be confident in knowing that any permitting necessary for your project will be handled swiftly by the Thrasher team.

The background image shows two construction workers from behind, wearing white hard hats and high-visibility yellow safety vests with reflective silver stripes. They are looking down at a set of blueprints held by the worker on the right. The background is a blurred construction site with various structures and equipment under a bright sky.

SECTION 3

*Qualifications, Experience,
and Past Performance*

THRASHER

QUALITY CONTROL



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

COST CONTROL



Cost is a concern in every project and one that we take seriously – it is important to us that we provide a transparent, thorough look at what it will take to get your project completed. To make sure that happens, we follow four important 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.

SCHEDULING AND BUDGETING



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.

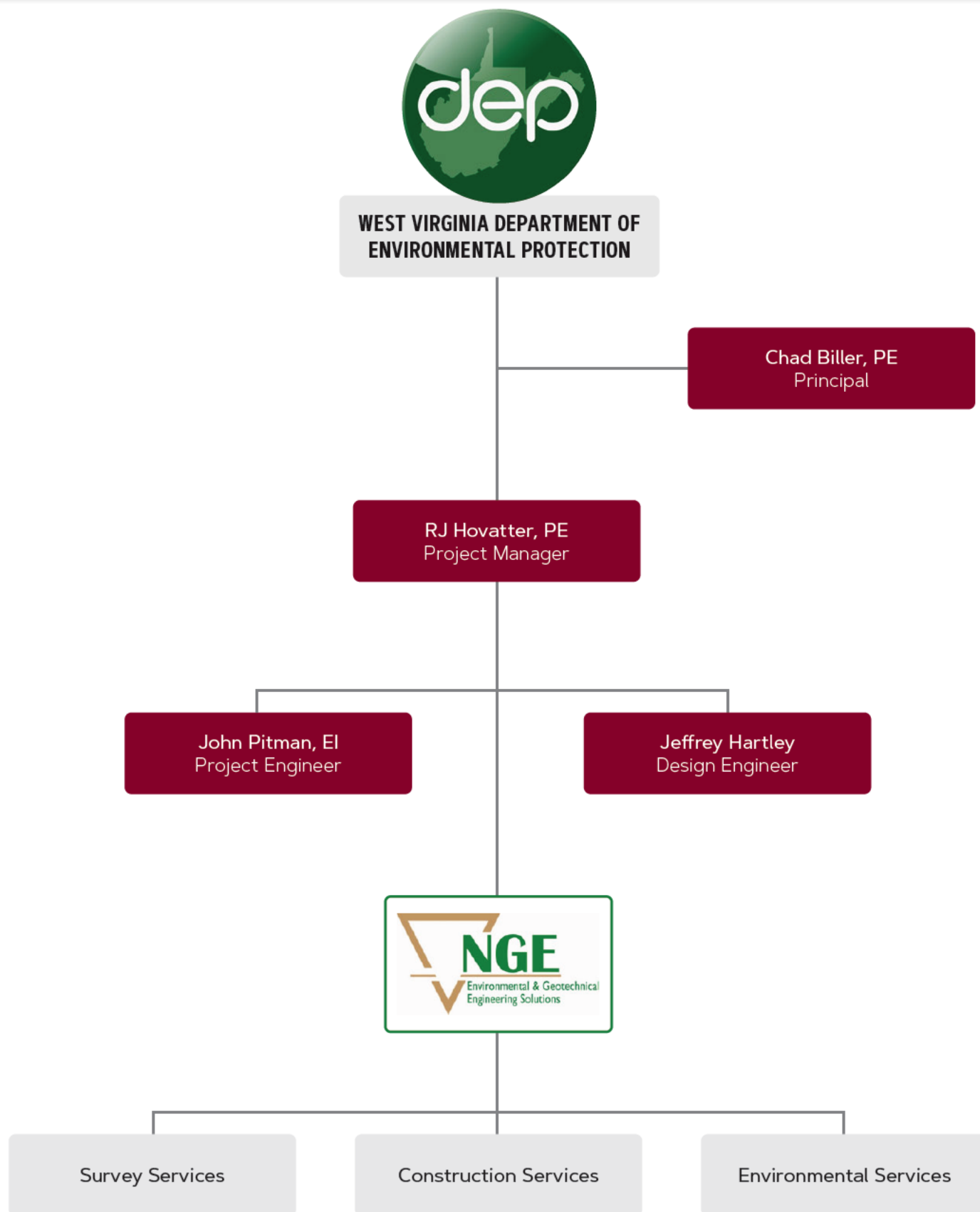


Scheduling:

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. Then, we use our thorough understanding of the local market and material costs to accurately design within your budget.

STAFFING PLAN



CHAD BILLER, PE

Principal



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

Chad Biller, PE has extensive experience in all aspects of civil engineering, but his primary emphasis lies in site development, transportation, and airport projects. Chad's expertise has made him a go-to source for the design and site layout of numerous residential and commercial sites all throughout the Mid-Atlantic region. His knowledge of site design in the mountainous terrain of West Virginia and the surrounding Appalachian basin is second to none.

As part of his role as in the Site Division, Chad is responsible for the development of project design, production of project specifications and plans, bidding, quality assurance/quality control, and project monitoring. He brings a deep breadth of knowledge to the table, including creative problem solving skills, and decades of hands-on experience implementing unique project delivery methods individually tailored for his clients.

Experience

WVDEP AML

Landgraph Refuse Pile

Role: Principal-in-Charge

- > McDowell County, WV

WVDEP AML

Stowe Landslide

Role: Principal-in-Charge

- > Logan County, WV

WVDEP AML Anglins Run

Role: Principal-in-Charge

- > Nicholas County, WV

WVDEP AML Squires Creek

Role: Principal-in-Charge

- > Preston County, WV

WVDEP Isaac Creek

Landslide

Role: Principal-in-Charge

- > Harrison County, WV

WVDEP AML Owl Creek

Highwall #2 Refuse

Role: Principal-in-Charge

- > Monongalia County, WV

City of Salem Slip Repairs

Role: Project Manager

- > Harrison County, WV

Fairmont State University Storm Water Management Plan

Role: Principal-in-Charge

- > Marion County, WV

Old Bridgeport Hill

Storm Drainage

Role: Principal-in-Charge

- > Harrison County, WV

Licensure Verification

Search: Details

Name:	CHADWICK D. BILLER
WV Professional Engineer:	PE License Number: [REDACTED]
	PE License Status: Active
	PE Issue Date: 02/23/1998
	PE Expiration Date: 12/31/2022
Continuing Education Claim:	Qualifying Hours from Last Renewal or Reinstatement: 85.00
	Carryover Hours for Next Renewal: 15.00
	Last Renewal or Reinstatement Date*: 12/21/2020
WV Engineer Intern:	EI Certification Number:
	EI Issue Date:
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>

RJ HOVATTER, PE

Project Manager



Education

Bachelor of Science,
Civil Engineering
Fairmont State University

Registrations

Professional Engineer:

- > West Virginia
- > Pennsylvania

Certifications and Trainings

- > 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

Richard "RJ" Hovatter, PE has spent most of his career working with private and public clients on various site development projects. His team of engineers are able to develop strategies to fit the needs of each client. RJ is well versed in site design, grading, storm water and erosion and sediment control plans. He has also managed over 35 Abandoned Mine Land Emergency and Abandoned Mine Land projects across West Virginia, Maryland, and Ohio. His experience provides clients with the reassurance that projects are inspected thoroughly.

He also leads a team of highly skilled engineers in developing innovative slip remediation projects all across the Appalachian basin. RJ has spent a large portion of his career evaluating critical land slips and assessing feasible, sustainable solutions that serve both public and private entities. His diverse portfolio of work has given RJ a refined eye for potential land issues and slip-prone terrain, which ensures his clients projects are designed on safe, stable sites.

Experience

WVDEP AML

Canyon Refuse and Dump

Role: Project Manager

- > Monongalia County, WV

WVDEP AML

Landgraft Refuse Pile Design

Role: Project Manager

- > McDowell County, WV

WVDEP

Isaac Creek Landslide

Role: Principal-in-Charge

- > Harrison County, WV

WVDEP AML

Stowe Landslide Emergency

Role: Project Manager

- > Logan County, WV

WVDEP AML

Kempton Refuse Rehabilitation

Role: Project Manager

- > Tucker and Preston Counties, WV

WVDEP AML Dansbranch

Landslide Emergency Project

Role: Project Manager

- > Mingo County, WV

WVDEP AML

Lyons Landslide Project

Role: Project Manager

- > Harrison County, WV

WV DEP Shinns Run Portals

Role: Project Engineer

- > Harrison County, WV

WestRidge Phase 1 Slip Repair

Role: Project Manager

- > Monongalia County, WV

Subsidence Depressions

Role: Project Manager

- > Various Locations, WV

Licensure Verification

Search: Details

Name:	RICHARD G. HOVATTER, JR
WV Professional Engineer:	PE License Number: [REDACTED]
	PE License Status: Active
	PE Issue Date: 12/17/2009
	PE Expiration Date: 12/31/2022
Continuing Education Claim:	Qualifying Hours from Last Renewal or Reinstatement: 30.00
	Carryover Hours for Next Renewal: 0.00
	Last Renewal or Reinstatement Date*: 12/30/2020
WV Engineer Intern:	EI Certification Number: 8494
	EI Issue Date: 12/15/2005
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>

JOHN PITMAN, EI

Staff Engineer



Education

Bachelor of Science,
Civil Engineering
West Virginia University

Registrations

> Registered Engineer in
Training (EI)

John Pitman joined Thrasher in 2012 and he serves as a grading and utility engineer. He is a site/civil designer with tasks including the development of existing conditions, demolition, erosion and sediment control, site, grading, and utility plans along with creating details for site specific elements.

Mr. Pitman is also an experienced highway designer with a background in the preparation of roadway construction, right-of-way, sign, and pavement marking plans. Other responsibilities include performance of field surveys and construction stake out, traffic studies, fire hydrant testing, storm water and sanitary sewer design, and cost estimation.

Experience

Rustic Ravines, Inc.

**Abandoned Mine
Lands Pilot Project**

Role: Staff Engineer
> Wayne County, WV

**OES Well Site Access Road,
Site Grading, and Fresh
Water Impoundments**

Role: Project Engineer
> Taylor County, WV

WVDEP AML

Landgraff Refuse Pile

Role: Staff Engineer
> Wyoming County, WV

Rustic Ravines, Inc.

**Abandoned Mine Lands
AML Pilot Project**

Role: Project Engineer
> Wayne County, WV

WVDEP AML

Owl Creek Highwall

Role: Staff Engineer
> Monongalia County, WV

**WestRidge Mixed-Use
Development Pad Designs**

Role: Project Engineer
> Monongalia County, WV

WVDEP AML

Isaac Creek Slip Repair

Role: Staff Engineer
> Harrison County, WV

**WVDEP AML Landgraff
Refuse Pile**

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

**Hatfield-McCoy Regional
Recreation Authority Twin
Hollow Campgrounds
AML Project**

Role: Staff Engineer
> Logan County, WV

**Walgreens Pharmacy Storm
Water Utilities Study**

Role: Project Engineer
> Monongalia County, WV

JEFFREY HARTLEY

Staff Engineer



Education

Bachelor of Science,
Civil Engineering Technology
Fairmont State University

Jeffrey Hartley currently serves as a Staff Engineer for the firm. Jeffrey has a notable background in the site design of corporate and retail centers, road upgrades, access roads, and well pads. He has detailed understanding of site layout, design, and permitting while being actively involved in the development of various site plans, grading plans, erosion and sediment control measures, and project specifications.

Jeffrey's experience working on developments from their initial stages through to completion has allowed him to apply project knowledge to his work in site design. Jeffrey is a successful Staff Engineer by utilizing his leadership skills and proficiency in site design on every project.

Experience

Rustic Ravines Abandoned Mine Lands Pilot Project

Role: Project Engineer
> Wayne County, WV

WVDEP AML

Owl Creek Highwall
Role: Project Engineer
> Monongalia County, WV

WVDEP AML

Isaac Creek Slip Repair
Role: Staff Engineer
> Harrison County, WV

Hatfield-McCoy Regional Recreation Authority Twin Hollow Campgrounds AML Project

Role: Staff Engineer
> Logan County, WV

Hatfield-McCoy Regional
Recreation Authority Ivy
Branch Phase II
Role: Construction
Administration/Staff Engineer
> Monongalia County, WV

WVDEP AML

Kempton Refuse
Rehabilitation
Role: Construction
Administration/Staff Engineer
> Preston/Tucker Counties, WV

Central Station
Road Improvements
Role: Staff Engineer
> Doddridge County, WV

Morgan Ashland
Road Upgrades
Role: Staff Engineer
> Wetzel County, WV

Arsenal Scotch Hill
Road Improvements
Role: Staff Engineer
> Preston County, WV

Antero
Margery Run
Road Improvements
Role: Staff Engineer
> Tyler County, WV

Sub-consultant



Locations

West Virginia Office

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

Pennsylvania Office

171 Montour Run Road
Moon Twp, PA 15108
P: (412) 722-1970
F: (412) 722-1929

Company Overview

NGE was founded in the fall of 2002 by Amy Veltri and John Nottingham, a management team with a combined forty years of industry experience. The family-based entrepreneurial spirit that defined NGE's beginnings remains evident in the innovative solutions we deliver to our loyal clients each and every day. Advances in engineering, science and technology, coupled with regulatory, legal, and compliance pressures create increasingly complex challenges for businesses. NGE strives to keep pace with these changes, with an eye to supporting our clients' changing needs.

NGE has grown into a dependable and flexible environmental and geotechnical consulting firm providing a wide range of professional services, including Environmental Consulting, Geotechnical Engineering and Environmental Construction / Remediation. With clients across the nation, NGE added a second office location in West Virginia in 2003, and seeks to grow in the future by providing consistent, quality service in a family-oriented atmosphere.

Since its inception, NGE has hired and retained the best and brightest talent in the industry. Our staff have relevant experience and qualifications to complete complex environmental and geotechnical projects. NGE's future is bright as we pursue a course of planned, measured growth to meet the challenge of expansion without diluting leadership or weakening the company's ability to perform. After establishing a solid foundation and longstanding reputation in the region and across the nation as an innovative, sophisticated, forward-thinking environmental and geotechnical consulting firm, we are proud of our roots and the progressive environment we have created for our dedicated employees.

NGE is an organization that is small enough to focus time on each client but with a depth in talent and resources to successfully complete large and complex projects. NGE provides superior environmental and geotechnical services at a manageable price. A family oriented work atmosphere has fostered the growth of NGE's staff with the best and brightest talent in the industry.

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

PROJECT EXPERIENCE



SWAMP RUN REFUSE #1

Location: Preston County, WV

Type of Project: Passive Acid Mine
Drainage Treatment System

Thrasher Project Manager: Chad Biller

Client Contact:

Buckhannon River Watershed Association
112 Fayette Street | Buckhannon, WV 26201
304-472-3317

This project, located in Alton, WV, involved a large ferric iron "mushroom" that takes up approximately 0.87 acres. This was caused by acid mine drainage (AMD) emanating from an entombed refuse fill above an unnamed tributary of Swamp Run. The Swamp Run #1 passive AMD treatment system utilized open limestone channels channeling the toxic water to a forebay, which controls larger storm event flow and separates that flow between primary and secondary limestone leech beds. These

beds are self-flushing with an automated inline water level control structure. The treated water from the leech beds will then discharge into flushing ponds for solids removal before being conveyed into a wetland finishing pool prior to being released back into the unnamed tributary.

The proposed treatments have been designed to remove approximately 80% of the acid load and should have a lifespan of 20 years.

PROJECT EXPERIENCE



SQUIRES CREEK REFUSE

Location: Preston County, WV

Type of Project: Refuse and Portals

Thrasher Project Manager: Chad Biller

Client Contact:

Gregory Smith, PE

101 Cambridge Place | Bridgeport, WV 26330

304-842-1900

Squires Creek, located in Newburg, had two refuse piles covering two to three acres of land. The site had remains of a mine building, unvegetated coal refuse, deep mine portals, and acid mine drainage. Nearly all of the land was unvegetated with signs of severe erosion. Additionally, there were several public safety hazards: steep outcrops with well-used ATV trails up and down the face and deep mine portals, one of which was open enough to easily allow entrance.

Some of the major steps of the project included the following: site preparation (clearing and grubbing, removing debris), construction and installation of support areas, maintenance of access roads, construction and installation of drainage control items, re-vegetation of disturbed areas, and regrading of portal sites and refuse sites.

PROJECT EXPERIENCE



CANYON REFUSE

Location: Monongalia County, WV
Type of Project: Refuse and Dump
Thrasher Project Manager: Chad Biller

Client Contact:
Darren Bennett
101 Cambridge Place | Bridgeport, WV 26330
304-842-1900

The Canyon Refuse and Dump project was a site Thrasher worked on in Morgantown, WV. This project included a large scope, from mobilizing equipment to re-vegetating disturbed areas. To accomplish everything within the scope of this project, Thrasher prepared the site (including clearing and grubbing), constructed and installed support areas, and maintained access roads. Additionally, the team constructed and installed drainage control items to convey stormwater safely off-site through channels, culverts, and outlet protection. Thrasher also constructed and installed wet or modified mine seals, re-graded the refuse sites, backfilled highwalls, and ensured sediment control compliance with the approved NPDES permit.

This project included ~76,500 cubic yards of earthwork, ~3,300 linear feet, and 8 mine seals.

PROJECT EXPERIENCE

NUTTER RUN LANDSLIDE

Location: Harrison County, WV

Type of Project: AML Emergency Landslide

Thrasher Project Manager: RJ Hovatter and Rob Milne

Client Contact:

Eric Simpson, Northern Emergency Engineer
101 Cambridge Place | Bridgeport, WV 26330
304-842-1900

Nutter Run was the site of an emergency AML landslide. The Thrasher Group mobilized the necessary equipment and personnel to complete the project within state timeframes with a construction cost of \$954,750.

Some of the major steps of the project included the following: site preparation (clearing and grubbing, removing existing structures and debris), construction and installation of support areas, maintenance of access roads, construction and installation of drainage control items to convey stormwater off-site, backfilling highwalls, and re-vegetation of disturbed areas.

The Nutter Run project included a 1 H-Pile Wall ~140' Long and a 1-H-Pile Wall ~200' Long.



PROJECT EXPERIENCE



RIDGEWAY LANDSLIDE

Location: Harrison County, WV

Type of Project: AML Emergency Landslide

Thrasher Project Manager: RJ Hovatter

Client Contact:

Eric Simpson, Northern Emergency Engineer

101 Cambridge Place | Bridgeport, WV 26330

304-842-1900

Ridgeway, in Bridgeport, was the site of an AML emergency landslide that The Thrasher Group repaired. Our team engineered the design of the slip remediation and was responsible for all necessary materials to accomplish that design, from shop drawings to a detailed construction schedule. Thrasher provided all necessary materials and labor for this project. The final result of the project was 1 Soil Nail Wall ~36' and 6,300 cubic yards of Earthwork.



PROJECT EXPERIENCE



DANS BRANCH LANDSLIDE

Location: Mingo County, WV

Type of Project: AML Emergency Landslide

Thrasher Project Manager: Chad Biller

Client Contact:

Jason Foster, Emergency Program Administrator

601 57th Street, SE, Box 20 | Charleston, WV 25304

304-926-0499

Dans Branch was the site of an AML emergency landslide that Thrasher worked to remediate. Some of the major steps of the project included the following: site preparation (clearing and grubbing, removing existing structures and debris), construction and installation of support areas, maintenance of access roads, construction and installation of drainage control items to convey stormwater off-site, ensure sediment control compliance with the NPDES permit, and re-vegetation of disturbed areas. Thrasher also had to protect existing structures during grading operations and the installation of permanent rock fall protection above structures. Construction on this project cost approximately \$352,370.

This project included 6,500 cubic yards of earthwork and stabilizing the slope behind the residence.

WORKLOAD AND AVAILABILITY

Our team's current workload will allow for immediate response to your needs. Thrasher is available to attend any meetings regarding your project(s).

Thrasher has a history of successfully delivering projects that were developed out of solid/sound professional surveying, engineering, and architectural services. We understand our role to be an extension of your staff, 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. We have assembled a team of responsive professionals who possess the qualifications and experience necessary to handle all aspects of this project.

Thrasher is fully staffed with survey, engineering, architectural, environmental, construction management, and materials testing personnel to meet your needs. The employees identified as key personnel on your projects bring specific areas of expertise to the Team.

Why Thrasher? The Thrasher Team has technical qualifications, skills, experience, and resources that are integrated with a proven management infrastructure. We want to perform projects for the WVDEP, and will provide high quality engineering services in a timely and cost effective manner.



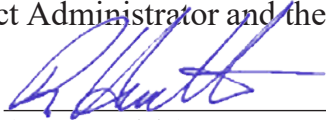
A photograph of two construction workers from behind, wearing white hard hats and high-visibility yellow safety vests. They are looking at a set of blueprints held by the worker on the left. The background is a blurred construction site with warm, golden-hour lighting.

SECTION 4

Required Documents

THRASHER

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



(Name, Title)

Richard Hovatter - Project Manager

(Printed Name and Title)

600 White Oaks Blvd, Bridgeport, WV 26330

(Address)

304-624-4108 / 304-624-7831

(Phone Number) / (Fax Number)

rhovatter@thethrashergroup.com

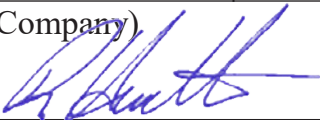
(email address)

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

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.

The Thrasher Group, Inc.

(Company)



(Authorized Signature) (Representative Name, Title)

Richard Hovatter - Project Manager

(Printed Name and Title of Authorized Representative)

01/11/2022

(Date)

304-624-4108 / 304-624-7831

(Phone Number) (Fax Number)

ADDENDUM ACKNOWLEDGEMENT FORM
SOLICITATION NO.:

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

01/11/2022

Date

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

STATE OF WEST VIRGINIA
Purchasing Division

PURCHASING AFFIDAVIT

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

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

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

DEFINITIONS:

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

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

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

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

WITNESS THE FOLLOWING SIGNATURE:

Vendor's Name: The Thorough Group, Inc.

Authorized Signat: Charles Beck Date: 01/06/2022

State of West Virginia

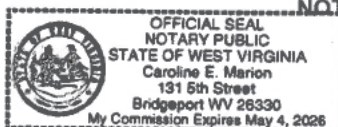
County of Harrison, to-wit:

Taken, subscribed, and sworn to before me this 16 day of January, 2022

My Commission expires May 04, 2026

AFFIX SEAL HERE

NOTARY PUBLIC



Caroline E. Marion
Purchasing Affidavit (Revised 01/19/2018)

WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION
AML CONSULTANT QUALIFICATION QUESTIONNAIRE **Attachment "A"**

PROJECT NAME FRANCIS DRAINAGE MAINTENANCE		DATE (DAY, MONTH, YEAR) JANUARY 11, 2022		FEIN 55-0633596-6					
1. FIRM NAME THE THRASHER GROUP, INC.		2. HOME OFFICE BUSINESS ADDRESS 600 WHITE OAKS BOULEVARD, BRIDGEPORT, WV 26330		3. FORMER FIRM NAME THRASHER ENGINEERING					
4. HOME OFFICE TELEPHONE 304-624-4108	5. ESTABLISHED (YEAR) 1983	6. TYPE OWNERSHIP Individual Corporation X Partnership Joint-Venture		6a. WV REGISTERED DBE (Disadvantaged Business Enterprise) YES NO X					
7. PRIMARY AML DESIGN OFFICE: ADDRESS/ TELEPHONE/ PERSON IN CHARGE/ NO. AML DESIGN PERSONNEL EACH OFFICE 600 WHITE OAKS BOULEVARD, BRIDGEPORT, WV 26330 / 304-624-4108 / CHAD RILEY / 6									
8. NAMES OF PRINCIPAL OFFICERS OR MEMBERS OF FIRM WOODY THRASHER, PE - PRESIDENT AND CEO CLAYTON WHITE, PE - COO OF FIELD SERVICES CLAY RILEY, PE - COO OF DESIGN SERVICES LAUREN LINT, CPA (INACTIVE) - CFO			8a. NAME, TITLE, & TELEPHONE NUMBER - OTHER PRINCIPALS CHAD RILEY, PE - SHAREHOLDER (304)-326-6120 WM. RANDY WATSON - SHAREHOLDER (304) 326-6129 CHADWICK BILLER, P.E. - SHAREHOLDER (304) 326-6127 DAN FERRELL, P.E. - SHAREHOLDER (304) 288-7755 CRAIG BAKER, CFP - SHAREHOLDER (304) 669-3022 ROBERT MILNE, P.E. - SHAREHOLDER (304) 326-6141 JONATHAN CARPENTER, P.E- SHAREHOLDER (304) 343-7601 KYLEA RADCLIFF - SHAREHOLDER (304) 476-8033 STEVEN HAMIT, P.E. - SHAREHOLDER (304) 620- 4790 JESSE ALDEN, P.E. - SHAREHOLDER (304) 476-8488 JASON BOYD, P.E. - SHAREHOLDER (304) 677-5142 JOE LOWTHER, P.S. - SHAREHOLDER (304) 677-5314						
9. PERSONNEL BY DISCIPLINE									
<table style="width: 100%; border: none;"> <tr> <td style="width: 25%; vertical-align: top;"> 14 ADMINISTRATIVE 8 ARCHITECTS — BIOLOGIST 20 CADD OPERATORS — CHEMICAL ENGINEERS 44 CIVIL ENGINEERS 8 CONSTRUCTION INSPECTORS 3 DESIGNERS — DRAFTSMEN </td> <td style="width: 25%; vertical-align: top;"> — ECOLOGISTS — ECONOMISTS 2 ELECTRICAL ENGINEERS 10 ENVIRONMENTALISTS 1 ESTIMATORS 3 GEOLOGISTS — HISTORIANS 1 HYDROLOGISTS </td> <td style="width: 25%; vertical-align: top;"> 3 LANDSCAPE ARCHITECTS 1 MECHANICAL ENGINEERS — MINING ENGINEERS 3 PHOTOGRAMMETRISTS 2 PLANNERS: URBAN/REGIONAL 44 SANITARY ENGINEERS — SOILS ENGINEERS — SPECIFICATION 3 WRITERS </td> <td style="width: 25%; vertical-align: top;"> 2 STRUCTURAL ENGINEERS 100 SURVEYORS 3 TRAFFIC ENGINEERS 4 GIS SPECIALIST 3 PIPELINE INSPECTOR 15 MATERIALS TESTING TECH. 47 OTHER <hr/> 341 TOTAL PERSONNEL </td> </tr> </table>						14 ADMINISTRATIVE 8 ARCHITECTS — BIOLOGIST 20 CADD OPERATORS — CHEMICAL ENGINEERS 44 CIVIL ENGINEERS 8 CONSTRUCTION INSPECTORS 3 DESIGNERS — DRAFTSMEN	— ECOLOGISTS — ECONOMISTS 2 ELECTRICAL ENGINEERS 10 ENVIRONMENTALISTS 1 ESTIMATORS 3 GEOLOGISTS — HISTORIANS 1 HYDROLOGISTS	3 LANDSCAPE ARCHITECTS 1 MECHANICAL ENGINEERS — MINING ENGINEERS 3 PHOTOGRAMMETRISTS 2 PLANNERS: URBAN/REGIONAL 44 SANITARY ENGINEERS — SOILS ENGINEERS — SPECIFICATION 3 WRITERS	2 STRUCTURAL ENGINEERS 100 SURVEYORS 3 TRAFFIC ENGINEERS 4 GIS SPECIALIST 3 PIPELINE INSPECTOR 15 MATERIALS TESTING TECH. 47 OTHER <hr/> 341 TOTAL PERSONNEL
14 ADMINISTRATIVE 8 ARCHITECTS — BIOLOGIST 20 CADD OPERATORS — CHEMICAL ENGINEERS 44 CIVIL ENGINEERS 8 CONSTRUCTION INSPECTORS 3 DESIGNERS — DRAFTSMEN	— ECOLOGISTS — ECONOMISTS 2 ELECTRICAL ENGINEERS 10 ENVIRONMENTALISTS 1 ESTIMATORS 3 GEOLOGISTS — HISTORIANS 1 HYDROLOGISTS	3 LANDSCAPE ARCHITECTS 1 MECHANICAL ENGINEERS — MINING ENGINEERS 3 PHOTOGRAMMETRISTS 2 PLANNERS: URBAN/REGIONAL 44 SANITARY ENGINEERS — SOILS ENGINEERS — SPECIFICATION 3 WRITERS	2 STRUCTURAL ENGINEERS 100 SURVEYORS 3 TRAFFIC ENGINEERS 4 GIS SPECIALIST 3 PIPELINE INSPECTOR 15 MATERIALS TESTING TECH. 47 OTHER <hr/> 341 TOTAL PERSONNEL						
TOTAL NUMBER OF WV REGISTERED PROFESSIONAL ENGINEERS IN PRIMARY OFFICE: 34 *RPes other than Civil and Mining must provide supporting documentation that qualifies them to supervise and perform this type of work.									
10. HAS THIS JOINT-VENTURE WORKED TOGETHER BEFORE? <input type="checkbox"/> YES X NO NOT APPLICABLE									

11. OUTSIDE KEY CONSULTANTS/SUB-CONSULTANTS ANTICIPATED TO BE USED. Attach "AML Consultant Confidential Qualification Questionnaire".

[illegible]

12. A. Is your firm experienced in Abandoned Mine Lands Remediation/Mine Reclamation Engineering?
X YES Description and Number of Project: **Thrasher performs engineering design services to the WV DEP for drainage, portal seals, highwall and other remediation projects, as well as for water line and water treatment plant projects related to AML. Numerous projects involving land remediation, storm water drainage, slip repair, mass grading in relation to site development and highway projects are engineered by the firm on a regular basis.**
-
- B. Is your firm experienced in Soil Analysis?
X YES Description and Number of Projects: **Thrasher maintains an AASHTO Certified materials testing and analysis lab at both the Bridgeport and Beckley offices. Soil analysis experience is specifically in gradations and classification.**
-
- C. Is your firm experienced in hydrology and hydraulics?
X YES Description and Number of Projects: **Throughout the state thrasher has done planning and design of bridges for the West Virginia department of highways and the design of multiple private and municipal development projects located within floodplains. Thus, thrasher has extensive experience in hydrology. We also have a vast amount of experience in hydraulic modeling for water and wastewater projects throughout West Virginia.**
-
- D. Does your firm produce its own Aerial Photography and Develop Contour Mapping?
X YES Description and Number of Projects: **Thrasher acquires aerial imagery using in house resources on smaller area projects. We own and operate three UAS (unmanned aerial systems) for a variety of imagery missions for projects up to approximately 500 acres. For large mapping projects, we use a commercial flying service. Thrasher has three FAA Certified pilots.**
- Thrasher has expertise and software in house and routinely performs aero triangulation, planimetric compilation, surface modeling, contour mapping and digitally rectified imagery.**
- Thrasher has mapped and flown hundreds of projects during the last year.**
-
- E. Is your firm experienced in domestic waterline design? (Include any experience your firm has in evaluation of aquifer degradation as a result of mining.)
X YES Description and Number of Projects: **Thrasher has designed more water line systems than any other West Virginia firm. Projects include new systems, extensions and replacements of water line distribution systems, many of which have been affected by Abandoned Mine Lands. Design of the projects includes lines, booster stations, water treatment plants, and storage facilities.**
- Thrasher's analysis and design also includes improvements and alternatives for water sources deemed ground water under the direct effect of surface water.**
-
- F. Is your firm experienced in Acid Mine Drainage Evaluation and Abatement Design?
X YES Description and Number of Projects: **Thrasher has been awarded and has successfully completed numerous reclamation projects for WV DEP related specifically to acid mine drainage and abatement, as well as, multiple passive treatment systems designed for watershed protection groups. The Charleston, WV branch of our company designed an award-winning water treatment plant for Martinka mines in Marion County, West Virginia to treat mine drainage.**

13. PERSONAL HISTORY STATEMENT OF PRINCIPALS AND ASSOCIATES **RESPONSIBLE FOR AML PROJECT DESIGN** (Furnish complete data but keep to essentials)

NAME & TITLE (Last, First, Middle Int.)	YEARS OF EXPERIENCE		
	YEARS OF AML DESIGN EXPERIENCE:	YEARS OF AML RELATED DESIGN EXPERIENCE:	YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE:
BILLER, CHADWICK D. – PRINCIPAL-IN-CHARGE	18	23	23

Brief Explanation of Responsibilities:

Chadwick. Biller has experience in all aspects of engineering with specific emphasis on site development, highways, roads, bridges, and airports. Chad joined The Thrasher Group, Inc. in 1999 and is a partner of The Thrasher Group. Chad is responsible for WV DEP AML project and public and private site development projects, specializing in airports, highways, roads, and bridges. As Project Manager for all of the firm's WVDOT/DOH projects, he has extensive knowledge of state and federal building standards.

EDUCATION (Degree, Year, Specialization):

Bachelor of Science, Civil Engineering, 1992 – West Virginia University

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS

- American Society of Civil Engineers
- Society of American Military Engineers
- National Society of Professional Engineers

REGISTRATION (Type, Year, State)

Professional Engineer, 1998, West Virginia
Professional Engineer, 1999, Pennsylvania
Professional Engineer, 2000, Ohio

13. PERSONAL HISTORY STATEMENT OF PRINCIPALS AND ASSOCIATES **RESPONSIBLE FOR AML PROJECT DESIGN** (Furnish complete data but keep to essentials)

NAME & TITLE (Last, First, Middle Int.)	YEARS OF EXPERIENCE		
	YEARS OF AML DESIGN EXPERIENCE:	YEARS OF AML RELATED DESIGN EXPERIENCE:	YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE:
HOVATTER, RICHARD (RJ) – PROJECT MANAGER	15	15	15

Brief Explanation of Responsibilities

As Project Manager, RJ has completed the site design, grading, storm water and erosion and sediment control plans for over twenty private and commercial development. He has also managed over 35 Abandoned Mine Land Emergency and Abandoned Mine Land projects in West Virginia, Maryland and Ohio. RJ has also been the lead on numerous slip remediation projects.

EDUCATION (Degree, Year, Specialization)

Bachelor of Science, 2002, Civil Engineering Technology – Fairmont State University

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS

N/A

REGISTRATION (Type, Year, State)

Professional Engineer, 2009, West Virginia
Professional Engineer, 2010, Pennsylvania

13. PERSONAL HISTORY STATEMENT OF PRINCIPALS AND ASSOCIATES RESPONSIBLE FOR AML PROJECT DESIGN (Furnish complete data but keep to essentials)			
NAME & TITLE (Last, First, Middle Int.)	YEARS OF EXPERIENCE		
John Pitman, EI – Project Engineer	YEARS OF AML DESIGN EXPERIENCE: <div style="text-align: center; font-weight: bold;">8</div>	YEARS OF AML RELATED DESIGN EXPERIENCE: 8	YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE: 2
<p>Brief Explanation of Responsibilities</p> <p>John Pitman joined Thrasher in 2012 and he serves as a grading and utility engineer. He is a site/civil designer with tasks including the development of existing conditions, demolition, erosion and sediment control, site, grading, and utility plans along with creating details for site specific elements.</p> <p>Mr. Pitman is also an experienced highway designer with a background in the preparation of roadway construction, right-of-way, sign, and pavement marking plans. Other responsibilities include performance of field surveys and construction stake out, traffic studies, fire hydrant testing, storm water and sanitary sewer design, and cost estimation.</p>			
<p>EDUCATION (Degree, Year, Specialization)</p> <p>Bachelor of Science, 1999, Civil Engineering – West Virginia University</p>			
MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS N/A		REGISTRATION (Type, Year, State) Engineer Intern, 2002, West Virginia	

13. PERSONAL HISTORY STATEMENT OF PRINCIPALS AND ASSOCIATES RESPONSIBLE FOR AML PROJECT DESIGN (Furnish complete data but keep to essentials)			
NAME & TITLE (Last, First, Middle Int.)	YEARS OF EXPERIENCE		
Jeffrey Hartley – Design Engineer	YEARS OF AML DESIGN EXPERIENCE: <div style="text-align: center; font-weight: bold;">2</div>	YEARS OF AML RELATED DESIGN EXPERIENCE: 5	YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE: 5
<p>Brief Explanation of Responsibilities</p> <p>Jeffrey Hartley currently serves as a Staff Engineer for the firm. Jeffrey has a notable background in the site design of corporate and retail centers, road upgrades, access roads, and well pads. He has detailed understanding of site layout, design, and permitting while being actively involved in the development of various site plans, grading plans, erosion and sediment control measures, and project specifications.</p> <p>Jeffrey's experience working on developments from their initial stages through to completion has allowed him to apply project knowledge to his work in site design. Jeffrey is a successful Staff Engineer by utilizing his leadership skills and proficiency in site design on every project.</p>			
<p>EDUCATION (Degree, Year, Specialization)</p> <p>Bachelor of Science, 2019, Civil Engineering – Fairmont State University</p>			
MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS N/A		REGISTRATION (Type, Year, State) N/A	

14. PROVIDE A LIST OF SOFTWARE AND EQUIPMENT AVAILABLE IN THE PRIMARY OFFICE WHICH WILL BE USED TO COMPLETE AML DESIGN SERVICES

The Thrasher Group, Inc. will design work for AML utilizing one of the largest networks of computer aided design (CAD) equipment, software and trained personnel in the state of West Virginia.

Connected through a virtual private network, our cad staff has the ability to share necessary plans among our locations. This will allow work designed for AML to be prepared and updated at the office location that best meets the needs of the scope of services.

Civil 3D, Carlson and Microstation V8 Software is utilized at 35 CAD stations throughout our locations. Additionally, equipment includes 10 large format (Size E) plotters and 5 large format plotter / scanners. CAD plans are prepared by both dedicated cad employees and by staff engineers and engineering technicians in each of the firm's offices.

Thrasher also utilizes top-of-the line survey equipment. Our survey work is accomplished with global positioning systems (GPS) and electronic distance measuring (EDM) survey stations with data gathering capabilities. The survey crews and office support staff generate mapping deliverables in virtually any digital format referenced to specified projection systems.

Additional survey services include: high accuracy monumentation, astronomic observations / orientation, NGS blue booking, hydrographic, terrestrial scanning, 3D as-builts, 3d monitoring, sub-surface utility location / designation. The field crews are all equipped with late model four-wheel drive vehicles stocked with the most modern equipment available to perform professional land surveying services.

- | | |
|--|---|
| <ul style="list-style-type: none">• 111 TRIMBLE GNSS UNITS• 68 TRIMBLE ROBOTS• 2 PRECISE DIGITAL FIRST ORDER LEVELS WITH INVAR RODS• 39 LEICA, NIKON OR TOPCON TOTAL STATIONS ALL MANAGED BY• TRIMBLE TSC3 FIELD COMPUTERS• 2 REMOTE CONTROLLED/UNMANNED MAPPING AERIAL PLATFORM• HYDROGRAPHIC SURVEY VESSEL | <ul style="list-style-type: none">• CIVIL 3D• CARLSON AND MICROSTATION V8 SOFTWARE• 35 CAD STATIONS• 10 LARGE FORMAT (SIZE E) PLOTTERS AND• 5 LARGE FORMAT PLOTTER / SCANNERS• 7 3D SUB-SURFACE UTILITY LOCATORS |
|--|---|

15. CURRENT ACTIVITIES ON WHICH YOUR FIRM IS THE DESIGNATED ENGINEER OF RECORD

THE THRASHER GROUP IS CURRENTLY THE DESIGNATED "ENGINEER OF RECORD" ON MORE THAN 200 ON-GOING PROJECTS. THESE PROJECTS RANGE FROM SIMPLE BOUNDARY SURVEYS WHICH ARE COMPLETED WITHIN A FEW DAYS' TIME TO COMPLETE MUNICIPAL PROJECTS WHICH ARE COMPLETED OVER AN EXTENDED AMOUNT OF TIME. A PARTIAL LISTING OF CURRENT PROJECTS FOLLOWS WHICH DEMONSTRATES THE RANGE OF SERVICES PROVIDED BY THE THRASHER GROUP.

PROJECT NAME, TYPE AND LOCATION	NAME AND ADDRESS OF OWNER	NATURE OF YOUR FIRM'S RESPONSIBILITY	ESTIMATED CONSTRUCTION COST	PERCENT COMPLETE
OWL CREEK HIGHWALL #2 ABANDONED MINE LANDS AND RECLAMATION NEAR MORGANTOWN WV MONONGALIA COUNTY	ENVIRONMENTAL PROTECTION OFFICE OF AML&R 601 57TH ST SE CHARLESTON WV 25304	PROVIDE ENGINEERING SERVICES TO MITIGATE MINING RELATED PROBLEMS ASSOCIATED WITH ABANDONED MINE LANDS (PERMITTING, DESIGN, CONSTRUCTION MONITORING)	\$1,600,000	90%
KEMPTON REFUSE REHABILITATION TUCKER COUNTY, WV NEAR THOMAS	ENVIRONMENTAL PROTECTION OFFICE OF AML&R 601 57TH ST SE CHARLESTON WV 25304	REHABILITATION OF EXISTING AMD TREATMENT FACILITY, REGRADE OF ERODED DITCHES, SLOPE STABILIZATION	TBD	0%
HATFIELD-MCCOY REGIONAL RECREATION AUTHORITY TWIN HOLLOW CAMPGROUND AML PILOT LOGAN COUNTY, WV	MR. JEFFREY LUSK, EXECUTIVE DIRECTOR 179 RITA MALL ROAD MAN, WV 2563 304-692-6782	PROVIDE ENGINEERING SERVICES TO MITIGATE MINING RELATED PROBLEMS ASSOCIATED WITH ABANDONED MINE LANDS (PERMITTING, DESIGN, CONSTRUCTION MONITORING)	TBD	30%
2021 DESIGN GROUP B	ENVIRONMENTAL PROTECTION OFFICE OF AML&R 601 57TH ST SE CHARLESTON, WV 25304	PROVIDE ENGINEERING SERVICES TO MITIGATE MINING RELATED PROBLEMS ASSOCIATED WITH ABANDONED MINE LANDS (PERMITTING, DESIGN, CONSTRUCTION MONITORING)	TBD	PROPOSAL NEGOTIATIONS
TOTAL NUMBER OF PROJECTS: 3 of our current projects listed			TOTAL ESTIMATED CONSTRUCTION COSTS: n/a	

16. CURRENT ACTIVITIES ON WHICH YOUR FIRM IS SERVING AS A SUB-CONSULTANT TO OTHERS

The Thrasher Group is serving as the prime consultant on all current related projects.

[illegible]

17. COMPLETED WORK WITHIN LAST 5 YEARS ON WHICH YOU WERE THE DESIGNATED ENGINEER OF RECORD:

AML RELATED PROJECTS FOR THE WVDEP AND WATERSHED PROTECTION GROUPS

PROJECT NAME, TYPE AND LOCATION	NAME AND ADDRESS OF OWNER	ESTIMATED CONSTRUCTION COST	YEAR	CONSTRUCTED (YES OR NO)
STOWE (PRINCE) LANDSLIDE EMERGENCY AML LOGAN COUNTY, WV	WV DEP, OFFICE OF AML&R 601 57 TH STREET, SE CHARLESTON, WV 25304	\$220,000.00	2016	YES
LAMBERTON RUN SITE 7 PASSIVE AMD TREATMENT SYSTEM HARRISON COUNTY, WV	GUARDIANS OF THE WEST FORK 830 BENONI AVE. FAIRMONT, WV 2554	\$340,000.00	2016	YES
SWAMP RUN #1 PASSIVE AMD TREATMENT SYSTEM UPSHUR COUNTY, WV	BUCKHANNON RIVER WATERSHED ASSOCIATION 112 FAYETTE STREET, BUCKHANNON, WV 26201	\$440,000.00	2016	NO
NUTTER RUN LANDSLIDE EMERGENCY AML HARRISON COUNTY, WV	WV DEP, NORTHERN EMERGENCY 101 CAMBRIDGE PLACE BRIDGEPORT, WV 26330 304-842-1900	\$10,000,000	2017	YES
RIDGEWAY DRIVE LANDSLIDE EMERGENCY AML HARRISON COUNTY, WV	WV DEP, NORTHERN EMERGENCY 101 CAMBRIDGE PLACE BRIDGEPORT, WV 26330 304-842-1900	\$20,000,000	2018	YES
ED GOWER HIGHWALL AML GRANT UPSHUR COUNTY, WV	WV DEP, OFFICE OF AML&R 601 57 TH STREET, SE CHARLESTON, WV 25304	\$11,080,655	2019	YES
HATFIELD-MCCOY REGIONAL RECREATION AUTHORITY ASHLAND RESORT AML PILOT MCDOWELL COUNTY, WV	MR. JEFFREY LUSK, EXECUTIVE DIRECTOR 179 RITA MALL ROAD MAN, WV 2563 304-692-6782	MASTER PLANNING, RECLAMATION WORK, UTILITY EXTENSIONS, BRIDGE DESIGN, ROAD IMPROVEMENTS, ENVIRONMENTAL ASSESSMENTS, PERMITTING	\$1,700,000	YES
ISAAC CREEK LANDSLIDE ABANDONED MINE LANDS AND RECLAMATION NEAR DOLA WV HARRISON COUNTY	ENVIRONMENTAL PROTECTION OFFICE OF AML&R 601 57TH ST SE CHARLESTON WV 25304	DEVELOP CONSTRUCTION AND EROSION AND SEDIMENT PLANS ALONG WITH TECHNICAL SPECIFICATIONS TO STABILIZE THE LANDSLIDE AND RE-ESTABLISH THE ALIGNMENT OF ISAAC CREEK ROAD (CR 16-1)	\$890,000	YES
HATFIELD-MCCOY REGIONAL RECREATION AUTHORITY IVY BRANCH AML PILOT PROJECT BOONE COUNTY, WV	MR. JEFFREY LUSK, EXECUTIVE DIRECTOR 179 RITA MALL ROAD MAN, WV 2563 304-692-6782	ENVIRONMNETAL PERMITTING AND ASSESSMENTS, NEPA DOCUMENTATION, ENGINEERING DESIGN, BIDDING, CONSTRUCTION ADMINISTRATION	\$350,000	YES

18. COMPLETED WORK WITHIN LAST 5 YEARS ON WHICH YOUR FIRM, HAS BEEN A SUB-CONSULTANT TO OTHER FIRMS
(INDICATE PHASE OF WORK FOR WHICH YOUR FIRM WAS RESPONSIBLE)

The Thrasher Group has served as the prime consultant on all current related projects in the last five years.

PROJECT NAME, TYPE AND LOCATION	NAME AND ADDRESS OF OWNER	ESTIMATED CONSTRUCTION COST OF YOUR FIRM'S PORTION	YEAR	CONSTRUCTED (YES OR NO)	FIRM ASSOCIATED WITH

19. USE THIS SPACE TO PROVIDE ANY ADDITIONAL INFORMATION OR DESCRIPTION OF RESOURCES SUPPORTING YOUR FIRM'S QUALIFICATIONS TO PERFORM WORK FOR THE
WV ABANDONED MINE LANDS PROGRAM

SEE ATTACHMENT – STATEMENT OF QUALIFICATIONS

20. THE FOREGOING IS A STATEMENT OF FACTS.

SIGNATURE:  TITLE: PROJECT MANAGER

DATE: 01/11/2022

PRINTED NAME: RICHARD HOVATTER

BOND FORFEITURE and RELATED PROJECT EXPERIENCE MATRIX

PROJECT	Exp. Basis C-Corp P-Personal *	Additional info provided in Section (s) **	PROJECT EXPERIENCE REQUIREMENTS															Primary staff participation/capacity *** M-Management P-Professional	
			Abandoned Surface Mine Reclamation	Abandoned Deep Mine Reclamation	Portal/shaft closure	Hydrologic/Hydraulic design/ Eval.	Remining Evaluation	Mine / refuse fire abatement	Subsidence investigation/ mitigation	Hazardous waste disposal	Project specifications	Water quality evaluation /mitigation replacement	Construction inspection / management	Water treatment	Equipment /structure removal	Stream restoration	Geotechnical/stability	Chadwick D. Biller	R.J. Hovatter
Anglins Run Portals	C			x	x	x					x							M	
Roaring Creek	C		x	x		x			x		x							M	
Shinns Run Portals	P			x		x			x		x								M/P
Squire's Creek Portals	C	Project Experience		x	x	x					x				x			M	
Overfield (Laferty) CS&P	C		x	x	x	x					x						x	M	
Laurel Run	C		x	x	x	x					x							M	P
Clarksburg Lyons Landslide	C		x	x		x					x						x	M	
Pleasant Valley	C		x		x	x					x							M	P
Roger Camp Hill	C		x	x		x					x							M	P
Owl Creek Highwall	C		x	x	x	x					x					x		M	P
Landgraff Refuse	C		x			x					x							M	P
Canyon Refuse & Dump	C	Project Experience	x		x	x					x				x			M	P
Stowe (Prince) Landslide	C		x			x					x						x	M	P
Lamberts Run Site 7	C		x	x		x					x	x	x	x		x		M	P
Swamp Run #1	C	Project Experience	x			x					x	x	x	x		x		M	P
Dans Branch	C	Project Experience	x			x					x						x	M	P
Ed Gower Highwall #2	C		x		x	x					x							M	P
Martinka Mine	C			x		x					x	x	x	x				M	P

*List whether project experience is corporate or personnel based or both

** Use this area to provide specific sections or pages if needed for reference

*** List primary design personnel and their functional capacity for the projects listed.

ABANDONED MINE LANDS (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: cbiller@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/resources/forms/OMB1029-0119instructions.pdf>

If you require assistance you may contact the AVS Office by phone at: 800-643-9748, or by email at: 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 Biller, 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.

01/11/2022

Date



Principal-in-Charge

Title



THRASHER