West Virginia
Purchasing Division
2019 Washington Street, East
Charleston, WV 25305
Telephone: 304-558-2306
General Fax: 304-558-6026
Bid Fax: 304-558-3970

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.

WVOASIS

Jump to: FORMS Go | Home | Personalize | Accessibility | App Help | About

Welcome, Lu Anne Cottrill

Procurement | Budgeting | Accounts Receivable | Accounts Payable

Solicitation Response(SR) **Dept:** 0313 **ID:** ESR09142100000001841 **Ver.:** 1 **Function:** New **Phase:** Final

Modified by batch , 09/14/2021

Header 1

List View

General Information | Contact | Default Values | Discount | Document Information | Clarification Request

Procurement Folder: 918601

Procurement Type: Central Purchase Order

Vendor ID: 000000204787

Legal Name: THE THRASHER GROUP INC

Alias/DBA:

Total Bid: $0.00

Response Date: 09/14/2021

Response Time: 12:01

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: DEP2200000002

Published Date: 9/9/21

Close Date: 9/14/21

Close Time: 13:30

Status: Closed

Solicitation Description: EOI - 2021 Design Group A Projects

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:	918601
Solicitation Description:	EOI - 2021 Design Group A Projects
Proc Type:	Central Purchase Order

Solicitation Closes	Solicitation Response	Version
2021-09-14 13:30	SR 0313 ESR09142100000001841	1

VENDOR

000000204787
THE THRASHER GROUP INC

Solicitation Number: CEOI 0313 DEP2200000002

Total Bid: 0 **Response Date:** 2021-09-14 **Response Time:** 12:01:09

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 - Clarksburg (Hill) Landslide				

Comm Code	Manufacturer	Specification	Model #
81100000			

Commodity Line Comments: n/a

Extended Description:

*Dates of Service are estimated for bidding purposes only.

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
2	EOI Engineering Design Services - Fairfield Highwall				

Comm Code	Manufacturer	Specification	Model #
81100000			

Commodity Line Comments: n/a

Extended Description:

*Dates of Service are estimated for bidding purposes only.

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
3	EOI Engineering Design Services-Green Valley Rd Laughlin LS				

Comm Code	Manufacturer	Specification	Model #
81100000			

Commodity Line Comments: n/a

Extended Description:

*Dates of Service are estimated for bidding purposes only.

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
4	EOI Engineering Design Svcs-Skidmore Site (Canyon Mine) Mntc				

Comm Code	Manufacturer	Specification	Model #
81100000			

Commodity Line Comments: n/a

Extended Description:

*Dates of Service are estimated for bidding purposes only.

THRASHER

WVDEP - 2021 DESIGN GROUP A PROJECTS

CEOI 0313 DEP2200000002

Submitted by:
The Thrasher Group, Inc.
September 14, 2021

600 White Oaks Blvd. | Bridgeport, WV 26330 | 1-800-273-6541 | www.thethrashergroup.com

THRASHER

COMPLEX PROJECTS
REQUIRE RESOLVE
THRASHER'S GOT IT

September 14, 2021

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

RE: WVDEP 2021 Design Group A Projects

Dear Mr. Hager and Selection Committee Members:

The Thrasher Group, Inc. is pleased to present our qualifications to the West Virginia Department of Environmental Protection for the 2021 Design Group A Projects. As a West Virginia-based company that has been serving the state for nearly 40 years, we understand the landscape of this state and have the ability to provide the necessary services to restore the safety of these structures.

We have a longstanding reputation for successfully completing Abandoned Mine Land projects. Thrasher's portfolio is full of projects that meet the criteria you are looking for, including highwalls, portals, and slope stabilization. Our experience will allow us to work with you to efficiently identify project goals, establish accurate budgets, and develop successful outcomes for each of the projects needed in Group A. Additionally, our depth of experience will allow Thrasher to handle all of the projects included within this Group - or in multiple Groups. The team proposed in this submission will serve as your primary engineers, but Thrasher has the capability to supplement additional people on your projects as needed to ensure the WVDEP's needs are being met.

We consider ourselves a partner with WVDEP AML – our support spans beyond general infrastructure to include true community projects. We have a particular passion for the communities included in Group A, having a longstanding history with this region of West Virginia. We are a Harrison County-based firm and have worked all across both Harrison and Monongalia Counties, including on projects here of the same scope.

We appreciate the opportunity to partner with you and look forward to further speaking with you about the needs of this project.

Sincerely,
The Thrasher Group, Inc.

Richard Hovatter Jr., PE
Project Manager

Qualifications, Experience, and Past Performance

THRASHER

THE THRASHER GROUP

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

Main Point of Contact:
Richard Hovatter Jr., PE
Project Manager
rhovatter@thethrashergroup.com
Cell: 304-669-6848
Office: 304-205-8809

38
YEARS
of delivering successful projects

9
OFFICES
in five states:

West Virginia
Virginia
Pennsylvania
Ohio
Maryland

300+
EMPLOYEES

34 Licensed Professional Engineers

10 Licensed Professional Surveyors

7 Licensed Professional Architects

2 Licensed Professional Landscape Architects

Diverse services that grow communities.

THRASHER'S GOT IT.

FIRM 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 conveyences.

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:

- AML Project Sites
- Slip Repairs
- 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.

Thrasher's offers a range of environmental services, from abandoned mine land reclamation to stream and wetland delineations and everything in between. We have extensive experience with site assessments, permitting, and every aspect of environmental work that your project will encompass.

In addition, our team has a host of experience with Abandoned Mine Land (AML) projects and are familiar with the intricacies involved

Environmental Services:

- All Appropriate Inquiry (AAI)
- Environmental Site Assessments
- NEPA Compliance for Publicly Funded Projects
- Ecological Studies
- Brownfield Redevelopment
- Industrial Hygiene and Demolition Planning
- Underground Storage Tank (UST) Consulting Services
- Wetland Delineation, Design, and Mitigation
- Remediation Investigation, Feasibility Studies, and Design
- Hydrogeologic and Geologic Investigations
- Groundwater Monitoring
- Sampling and Laboratory Analysis
- Solid and Hazardous Waste Management
- SPCC, GPP, SWPPP, GWPP, SWPPP Environmental Compliance
- Coal Combustion Residuals Rule Compliance (CCR)
- Stream Assessments, Design, and Mitigation
- Erosion and Sediment Control Plans
- Voluntary Remediation Program
- Uniform Environmental
- Covenants Act
- CERCLA Preliminary Assessment
- CERCLA Site Investigation

ENVIRONMENTAL PERMITTING

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 permitting 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

- National Historic Preservation Act - Section 106 Consultation
  - *State Historic Preservation Office or Division of Culture and History*
- Endangered Species Act – Section 7 and Section 9 Consultations
  - *United States Fish and Wildlife Service*
- Clean Water Act – Section 404 Permits
  - *United States Army Corps of Engineers*
- National Environmental Policy Act – Categorical Exclusions, Environmental Assessments, and Short Environmental Assessment Forms
  - *United States Army Corps of Engineers; Federal Aviation Administration; Division of Transportation; and Federal Communications Commission*

State and Local Permitting

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

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

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.

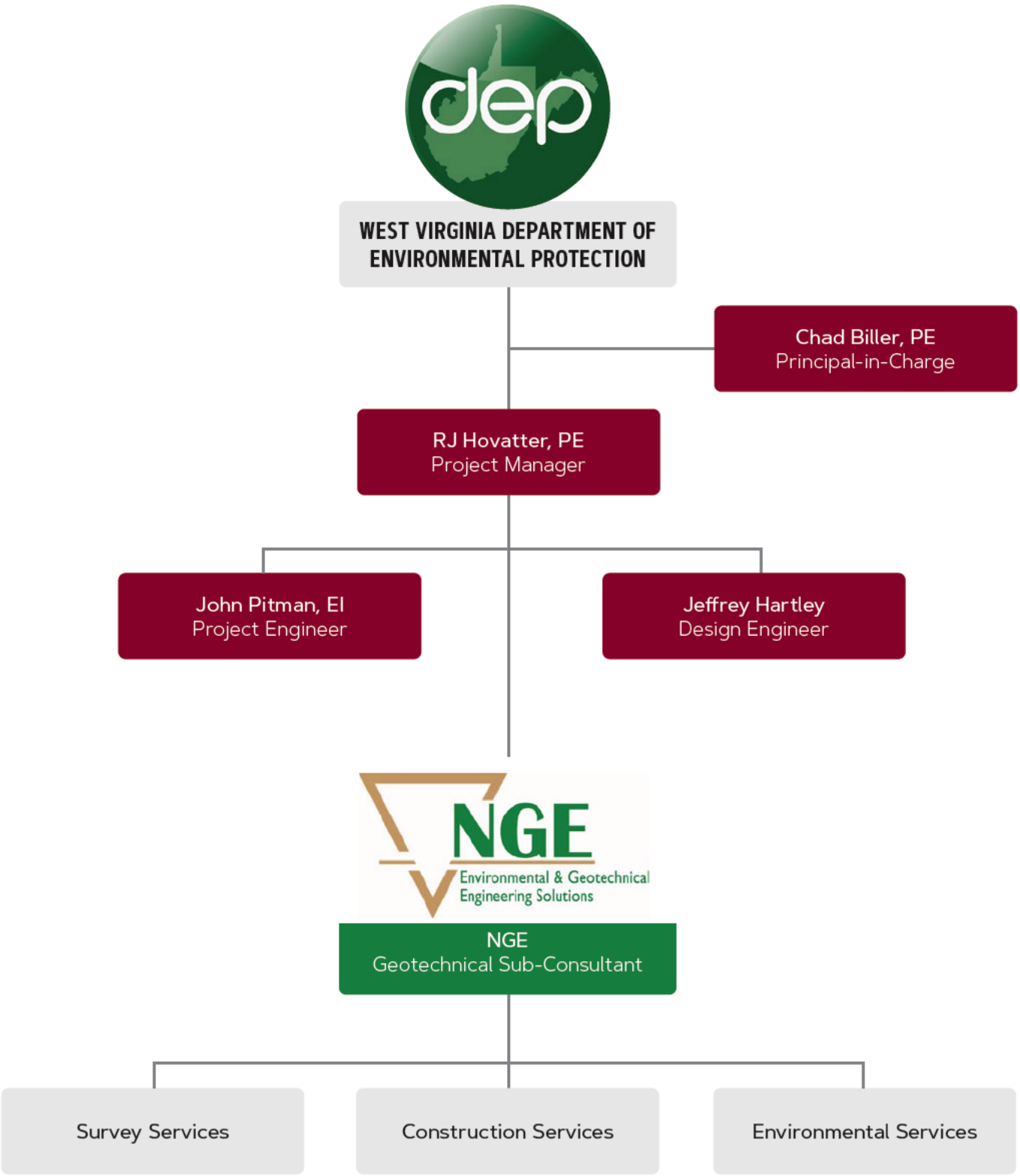
And our estimates go beyond the typical system - rather than simply providing cost per foot or lump sum price, Thrasher will provide contractor-grade estimates that look at every part of the project. We do detailed take-offs of materials and look at every man hour needed to complete a project and factor 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. Keeping our owners up to speed with progress is always our priority and ensures occupancy and owner supplied equipment are scheduled accordingly.

STAFFING PLAN



CHAD BILLER, PE

Principal-in-Charge

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.

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

Experience

WVDEP AML
Landgraff 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 AML
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
	* 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.

RJ HOVATTER, PE

Project Manager

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.

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

Experience

WVDEP AML
Canyon Refuse and Dump
Role: Project Manager
- Monongalia County, WV

WVDEP AML
Landgraff Refuse Pile Design
Role: Project Manager
- McDowell County, WV

WVDEP AML
Isaac Creek Landslide
Role: Principal-in-Charge
- Harrison County, WV

WVDEP AML
Stowe Landslide Emergency
Role: Project Manager
- Logan County, WV

WVDEP AML Dansbranch
Landslide Emergency Project
Role: Project Manager
- Mingo County, WV

WVDEP AML
Lyons Landslide
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

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
	* 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.

JOHN PITMAN, EI

Project Engineer

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.

Education

Bachelor of Science,
Civil Engineering
West Virginia University

Registrations

Engineer Intern:

> West Virginia

Experience

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

WVDEP AML Isaac Creek Slip Repair
Role: Project Engineer
> Harrison County, WV

Walgreens Pharmacy Storm Water Utilities Study
Role: Project Engineer
> Monongalia County, WV

Professional Building 5 at White Oaks Business Park Grading Plans
Role: Project Engineer
> Harrison County, WV

WVDNR Palatine Park Boat Ramp
Role: Project Engineer
> Marion County, WV

Rustic Ravines, Inc. Abandoned Mine Lands AML Pilot Project
Role: Project Engineer
> Wayne County, WV

Hatfield-McCoy Regional Recreation Authority Twin Hollow Campgrounds AML Project
Role: Project Engineer
> Logan County, WV

WestRidge Mixed-Use Development Pad Designs
Role: Project Engineer
> Monongalia County, WV

WVDEP AML Landgraff Refuse Pile
Role: Principal-in-Charge
> McDowell County, WV

JEFFREY HARTLEY

Design Engineer

Jeffrey Hartley currently serves as a Project Engineer for the firm's Land Development Market. Jeffrey has a varied background in the site engineering industry, providing designs for projects of all types. He has a detailed understanding of site layout, design, and permitting. He takes an active role in the development of site and grading plans, erosion and sediment control, stormwater design, utility relocations, and project coordination. Jeffrey works directly with clients and stakeholders to understand their problems and diligently works to find innovative, cost-effective solutions.

Education

Bachelor of Science,
Civil Engineering Technology
Fairmont State University

Experience

WVDEP AML
Isaac Creek Slip Repair
Role: Project Engineer
> Harrison County, WV

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

Rustic Ravines, Inc.
Abandoned Mine Lands Pilot Project
Role: Project Engineer
> Wayne County, WV

WestRidge Mixed-Use Development Pad Designs
Role: Project Engineer
> Monongalia County, WV

Riverfront 47
Mixed-Use Development Utility Relocation and Crossing Clearances
Role: Project Engineer
> Allegheny County, PA

WVDEP AML
Kempton Refuse Rehabilitation
Role: Project Engineer
> Preston and Tucker Counties, WV

Hatfield-McCoy Regional Recreation Authority Twin Hollow Campgrounds AML Project
Role: Project Engineer
> Logan County, WV

Hatfield-McCoy Regional Recreation Authority Ivy Branch Phase II
Role: Project Engineer
> Boone County, WV

Wendy's Stormwater Design
Role: Project Engineer
> Harrison County, WV

Hatfield-McCoy Trails Ivy Branch Cabins Procurement
Role: Project Engineer
> McDowell County, WV

NGE CONSULTING

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.

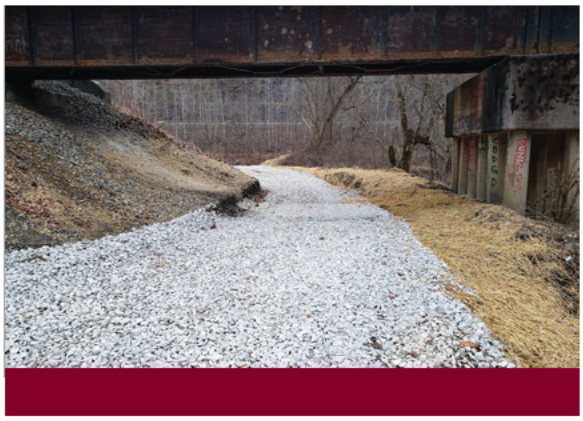
Since its inception, NGE has hired and retained the best and brightest talent in the industry. Our staff have relevant experience and qualifications to complete complex environmental and geotechnical projects. NGE's future is bright as we pursue a course of planned, measured growth to meet the challenge 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."

WORKLOAD AND AVAILABILITY

The Thrasher Group's current workload will allow for immediate response to your needs. You will have specifically appointed team members whose schedules will allow flexibility to enable them to fulfill all delivery orders. In addition to these dedicated staff members, Thrasher has the ability to provide additional assistance as needed. The company boasts a staff of more than 300 people in five states, allowing us – if necessary – to pull more personnel to provide a timely response to your needs. This amount of available staff enables us to adjust workloads to ensure the resources needed to meet all project requirements and deadlines are made available, as well as to provide the depth of expertise needed to address any planning, engineering or other challenges which arise. Using a combination of technology and business acumen, Thrasher is better able to support all aspects of a project to the extent requested by our clients. By integrating the mapping, engineering, architectural, planning, surveying, environmental, construction monitoring and materials testing staff, we are able to provide a wealth of experienced talent, bringing the best minds and proven methods to every job.



Hatfield-McCoy Regional Recreation Authority Ivy Branch AML Pilot Project

Location: Boone County, WV
Type of Project: Boat Launch and Cabin Installation
Thrasher Project Manager: RJ Hovatter

Client Contact:
Mr. Jeffrey Lusk, Executive Director
179 Rita Mall Road | Man, WV 25635
304-752-3255

Thrasher has had the pleasure of working with both the Hatfield McCoy Regional Recreation Authority and the West Virginia Department of Environmental Protection office of Abandoned Mine Lands on design development and construction of a new small craft boat launch and accompanying parking areas on the Little Coal River near Julian, WV.

After the master plan was complete, the Thrasher team began the design of the new boat launch and parking areas. Based upon the preliminary design Thrasher was able to complete the necessary Environmental Assessment documents required by the AML Pilot program. Thrasher then worked with Hatfield McCoy personnel to produce the final design documents for the project.

The final design documents were then used to acquire all necessary environmental permits including NPDES, ACOE NWP-12, Flood Plain Management, and WVDNR-OLS permits. Thrasher then complied bid documents for the project and worked hand in hand with Hatfield McCoy through the bidding process and selected a contractor for the construction of the project. Thrasher also provided Engineering during construction, construction management, and construction administration services during the construction of the project.

Mill Creek, in the City of Ripley, experienced damage due to high flood waters. The toe of the stream bank washed out and the slope above it failed, damaging the walking trail above the Creek.

The Thrasher Group was hired to repair the bank and restore the integrity of the trail. Doing so, however, was a complicated task. The repair could not change or impact the ordinary high-water mark of the channel. To ensure this was done properly, Thrasher excavated a bench in the bank at the high-water elevation and compressed shot rock into the remaining bank below. This became the foundation for the slope repair above the Creek. The bank was then backfilled with riprap up to within two feet of the walking trail elevation. Soil was then used to finish the backfill and the walking trail was constructed back on the soil.

Thrasher's approach to this project saved the City of Ripley time and money. The inventive way the project was engineered allowed Ripley to avoid lengthy permitting applications and get work completed on Mill Creek right away.

City of Ripley City Park Slip Repair

Location: Jackson County, WV
Type of Project: Streambank Stabilization
Thrasher Project Manager: RJ Hovatter

Client Contact:
Ms. Carolyn Rader, Mayor
203 South Church Street | Ripley, WV 25271
304-532-3657

The Thrasher Group provided stream bank stabilization services for the City of Ripley. Our work included a variety of topics, including:

- Drainage solutions
- Planning
- FEMA consultation
- Mussel surveys
- Meeting representation
- Permitting
- Field services
- Construction monitoring

This Morgantown, WV project involved three main sites which includes dangerous highwalls with heights between 20 and 70 feet, AMD water impoundments on highwall benches, exposed refuse on Booths Creek stream bank, open and collapsed portals, and existing non-functioning wet mine seal.

The scope of work included regrading the highwall bench and adjoining spoil piles to reclaim the highwalls, installing new or replacing the existing wet/modified mine seals for the portals producing AMD, and installing bate gates in the open portals. Additionally, Thrasher installed underdrains or seep collectors to eliminate ponding areas and construct conveyances to safely transport stormwater and mine water in and around the site. An Army Core of Engineers permit was applied for stream bank restoration/repair of Booths Creek and a temporary construction access across the stream. The project site covered a total area of 24.5 acres and reclamation included ± 113,000 cubic yards of earthwork.

WVDEP AML Owl Creek Highwall #2

Location: Monongalia County, WV
Type of Project: Highwall
Thrasher Project Manager: RJ Hovatter

Client Contact:
Mr. Troy Schell, Northern Design Administrator
101 Cambridge Place | Bridgeport, WV 26330
304-842-1900

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

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

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 side (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.

Nutter Run 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

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.

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

Abandoned Mine Land
OFFICE OF SURFACE MINING RECLAMATION AND ENFORCEMENT
Reclamation AWARDS

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 bidding out both the soil nail wall and earthwork construction for the project. The project consisted of a soil nail wall that is approximately 36 feet tall and 6,300 cubic yards of earthwork.

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

Dansbranch 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.

Project Approach

THRASHER

GOALS AND OBJECTIVES

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:

- Access or accesses as required
- Geotechnical investigation and analysis
- Landslide stabilization
- Hydrologic and hydraulic analyses
- Clear and grub affected areas
- Regrade as necessary
- Install drainage channels, underdrains, and/or other controls to safely convey water off-site
- Condition/revegetate all disturbed areas
- Obtain required permits as determined at the Pre-Design Meeting

We understand your goals for the 2021 Design Group A Projects and will handle them in the following manner:

GOAL/OBJECTIVE 2.1

The Thrasher Group will evaluate the project site and communicate effectively with the WVDEP to develop construction plans and technical specifications to stabilize the landslide and design new drainage features/ repair existing drainage structures. We will then determine a plan that can be implemented realistically and will meet all objectives 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 these AML projects. We will develop the design plans and specifications to control any associated water on-site as well as complete NPDES permitting.

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 project sites. Thrasher will also ensure all disturbed areas will be regraded and revegetated.

RJ Hovatter will be the Project Manager for all four projects included in this Expression of Interest. He will be supported by a team of qualified staff to perform the necessary tasks for complete the survey, geotechnical engineering, design, permitting, and bid documents as required.

RJ will communicate with the AML team to determine the preferred timing for each project and will work with you to establish the most realistic and efficient schedule for all projects.

The general project approach RJ and the team will follow for each of your projects is outlined below:

Step 1 | Site Visit

Our assembled team of engineers and technicians will conduct a site visit. This group will evaluate the project conditions and identify and document potential problem areas. Thrasher will call the necessary utilities prior to being on-site to help identify any known utility locations. We will coordinate with your team and any identified key stakeholders to take all the facts into consideration during this process.

Step 2 | Conceptual Design and Report

Thrasher will prepare a conceptual design for the project at hand. Where applicable, we will also provide design alternatives for consideration. We will then prepare a written report of the conceptual designs and outline any issues.

Step 3 | Construction Documents

Our team will provide design solutions and construction documents to the appropriate personnel for the project. These plans will be carried forward to final design based upon the conceptual design report. In addition, with Thrasher's experience working on various similar projects, a construction safety and phasing plan will be developed and reviewed with the owner to ensure a safe project during construction.

We will complete the final design documents based upon comments received and conclusions throughout the design review process. Our field evaluations and design approach will specifically address these issues in the construction documents.

Step 4 | Cost Estimates

Our project team will provide itemized cost estimates at the following stages: conceptual design, preliminary design, and final design.

Step 5 | Bid Process

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

Step 6 | Construction Administration

The project team will review project submittals, attend project meetings, and provide inspection of the construction being completed. The project team will also provide final punch list inspection at project completion.

Thrasher will also develop a program to keep your team abreast of potential construction issues.

Step 7 | Project Close Out

Upon completion of the project, the Thrasher team will provide final as-built drawings in both CAD and PDF format to th Owner. All permits will be closed/terminated at the completion of construction.

Required Forms

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.

The Thrasher Group, Inc.

(Company)

Richard Hovatter - Project Manager

(Authorized Signature) (Representative Name, Title)

Richard Hovatter - Project Manager

(Printed Name and Title of Authorized Representative)

9/13/2021

(Date)

304-624-4108 / 304-624-7831

(Phone Number) (Fax Number)

ADDENDUM ACKNOWLEDGEMENT FORM
SOLICITATION NO.: CEOI 0313 DEP2100000002

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)

[X]	Addendum No. 1	[ ]	Addendum No. 6
[ ]	Addendum No. 2	[ ]	Addendum No. 7
[ ]	Addendum No. 3	[ ]	Addendum No. 8
[ ]	Addendum No. 4	[ ]	Addendum No. 9
[ ]	Addendum No. 5	[ ]	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

9/13/2021
Date

NOTE: This addendum acknowledgement should be submitted with the bid to expedite document processing.
Revised 6/8/2012

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 exceed five percent of the total contract amount.

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

WITNESS THE FOLLOWING SIGNATURE:

Vendor's Name: The Thrasher Group, Inc.

Authorized Signature: [signature] Date: 9/13/2021

State of West Virginia

County of Harrison, to-wit:

Taken, subscribed, and sworn to before me this 13 day of September, 2021.

My Commission expires May 4, 2026.

AFFIX SEAL HERE

OFFICIAL SEAL
NOTARY PUBLIC
STATE OF WEST VIRGINIA
Caroline E. Marion
131 5th Street
Bridgeport WV 26330
My Commission Expires May 4, 2026

NOTARY PUBLIC [signature]

West Virginia Ethics Commission

Disclosure of Interested Parties to Contracts

(Required by *W. Va. Code* § 6D-1-2)

Name of Contracting Business Entity: The Thrasher Group, Inc. **Address:** 600 White Oaks Blvd.
Bridgeport, WV 26330

Name of Authorized Agent: Chad Riley **Address:** Same as above

Contract Number: 304-624-4108 **Contract Description:** CEOI 0313 DEP2200000002

Governmental agency awarding contract: WV Department of Environmental Protection

☑ **Check here if this is a Supplemental Disclosure**

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

1. **Subcontractors or other entities performing work or service under the Contract**
   ☐ Check here if none, otherwise list entity/individual names below.

   NGE will provide geotechnical engineering as a sub-consultant on this contract.

2. **Any person or entity who owns 25% or more of contracting entity (not applicable to publicly traded entities)**
   ☐ Check here if none, otherwise list entity/individual names below.

   H. Wood Thrasher

3. **Any person or entity that facilitated, or negotiated the terms of, the applicable contract (excluding legal services related to the negotiation or drafting of the applicable contract)**
   ☑ Check here if none, otherwise list entity/individual names below.

Signature: Chad Riley Date Signed: 9/13/2021

Notary Verification

State of West Virginia, County of Harrison:

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

Taken, sworn to and subscribed before me this 13 day of September, 2021.

Caroline E. Marion
Notary Public's Signature

To be completed by State Agency:
Date Received by State Agency: _____
Date submitted to Ethics Commission: _____
Governmental agency submitting Disclosure: _____

OFFICIAL SEAL
NOTARY PUBLIC
STATE OF WEST VIRGINIA
Caroline E. Marion
131 5th Street
Bridgeport, WV 26330
My Commission Expires May 4, 2026

Revised June 8, 2018

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

PROJECT NAME	DATE (DAY, MONTH, YEAR)	FEIN
2021 DESIGN GROUP A PROJECTS	**SEPTEMBER 14, 2021**	**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	5. ESTABLISHED (YEAR	6. TYPE OWNERSHIP	6a. WV REGISTERED DBE (Disadvantaged Business Enterprise)
304-624-4108	**1983**	Individual Corporation **X** Partnership Joint-Venture	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	8a. NAME, TITLE, & TELEPHONE NUMBER - OTHER PRINCIPALS
WOODY THRASHER – CHAIRMAN OF THE BOARD **CHAD RILEY - PRESIDENT & CEO** **CLAY RILEY - SECRETARY**	**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, CEFP - SHAREHOLDER (304) 669-3022** **ROBERT MILNE, P.E. - SHAREHOLDER (304) 326-6141** **JONATHAN CARPENTER, P.E- SHAREHOLDER (304) 343-7601** **CLAYTON WHITE, PE, PMP - SHAREHOLDER (304) 848-7824** **KYLEA RADCLIFF, P.E. - 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** **LAUREN LINT – SHAREHOLDER (304) 326-6392**

9. PERSONNEL BY DISCIPLINE

14 ADMINISTRATIVE	— ECOLOGISTS	**3 LANDSCAPE ARCHITECTS**	**2 STRUCTURAL ENGINEERS**
8 ARCHITECTS	— ECONOMISTS	**1 MECHANICAL ENGINEERS**	**100 SURVEYORS**
— BIOLOGIST	**2 ELECTRICAL ENGINEERS**	— MINING ENGINEERS	**3 TRAFFIC ENGINEERS**
20 CADD OPERATORS	**10 ENVIRONMENTALISTS**	**3 PHOTOGRAMMETRISTS**	**4 GIS SPECIALIST**
— CHEMICAL ENGINEERS	1 ESTIMATORS	**2 PLANNERS: URBAN/REGIONAL**	3 PIPELINE INSPECTOR
44 CIVIL ENGINEERS	**3 GEOLOGISTS**	44 SANITARY ENGINEERS	**15 MATERIALS TESTING TECH.**
8 CONSTRUCTION INSPECTORS	— HISTORIANS	— SOILS ENGINEERS	**22 OTHER**
3 DESIGNERS	**1 HYDROLOGISTS**	— SPECIFICATION	**316 TOTAL PERSONNEL**
— DRAFTSMEN		3 WRITERS	

TOTAL NUMBER OF WV REGISTERED PROFESSIONAL ENGINEERS IN PRIMARY OFFICE: **39**

*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? ☐ YES **X NO NOT APPLICABLE**

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

NAME AND ADDRESS:	SPECIALTY:	WORKED WITH BEFORE
NGE CONSULTING **650 MACCORKLE AVE. WEST, ST. ALBANS, WV 25177** **304-201-5180**	**GEOTECHNICAL SERVICES**	__X___ Yes No
NAME AND ADDRESS:	SPECIALTY:	WORKED WITH BEFORE _____ Yes No
NAME AND ADDRESS:	SPECIALTY:	WORKED WITH BEFORE _____ Yes No
NAME AND ADDRESS:	SPECIALTY:	WORKED WITH BEFORE _____ Yes _____ No
NAME AND ADDRESS:	SPECIALTY:	WORKED WITH BEFORE _____ Yes _____ No
NAME AND ADDRESS:	SPECIALTY:	WORKED WITH BEFORE _____ Yes _____ No
NAME AND ADDRESS:	SPECIALTY:	WORKED WITH BEFORE _____ Yes _____ No
NAME AND ADDRESS:	SPECIALTY:	WORKED WITH BEFORE _____ Yes No
NAME AND ADDRESS:	SPECIALTY:	WORKED WITH BEFORE _____ Yes No

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	**17**	**22**	**22**

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 [redacted]
Professional Engineer, 1999, Pennsylvania [redacted]
Professional Engineer, 2000, Ohio [redacted]

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	**14**	**14**	**14**

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 [redacted]
Professional Engineer, 2010, Pennsylvania [redacted]

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: 7	YEARS OF AML RELATED DESIGN EXPERIENCE: 7	YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE: 1
John Pitman, EI – Project Engineer			

Brief Explanation of Responsibilities

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.

EDUCATION (Degree, Year, Specialization)

Bachelor of Science, 1999, Civil Engineering – West Virginia University

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS	REGISTRATION (Type, Year, State)
N/A	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		
	YEARS OF AML DESIGN EXPERIENCE: 1	YEARS OF AML RELATED DESIGN EXPERIENCE: **4**	YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE: **4**
Jeffrey Hartley – Design Engineer			

Brief Explanation of Responsibilities

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.

EDUCATION (Degree, Year, Specialization)

Bachelor of Science, 2019, Civil Engineering – Fairmont State University

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS	REGISTRATION (Type, Year, State)
N/A	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.

- **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**
- **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**		**TBD**	**30%**

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.

PROJECT NAME, TYPE AND LOCATION	NATURE OF FIRMS RESPONSIBILITY	NAME AND ADDRESS OF OWNER	ESTIMATED COMPLETION DATE	ESTIMATED CONSTRUCTION COST	
				ENTIRE PROJECT	YOUR FIRMS RESPONSIBILITY

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 57TH 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 LANSLIDE 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 57TH 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 FOR, 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: SEPTEMBER 13, 2021

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	
			Forfeited Surface Mine Reclamation	Forfeited 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							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	M	
Laurel Run	C		x		x	x					x							M	P
Clarksburg Lyons Landslide	C		x			x					x						x	M	
Pleasant Valley	C		x		x	x					x							M	P
Roger Camp Hill	C		x			x					x							M	P
Owl Creek Highwall	C	Project Experience	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	M	P
Lamberts Run Site 7	C		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	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.

OMB # 1029-0119
Expiration Date: 10/31/2021

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 applies to contractors and their sub-contractors and can be found under OSMRE's regulations at 30 CFR 874.16. **NOTE:** This form must be signed and **dated within 30 days** of submission to be considered for a current bid.

Part A: General Information

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

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

If you plan to certify the existing AVS information or submit updates under Part C, you must include an OFT. To obtain an OFT, you may contact the AVS Office at 800-643-9748 or from the AVS website at: https://avss.osmre.gov/. Instructions for how to download an OFT from the AVS can be found at: https://www.osmre.gov/programs/AVS/aml-instructions.pdf.

Part C: Certifying and updating information in the AVS

Select only one of the following options, follow the instructions for that option, and sign and date below.

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

- (●) 1. Our business is in the AVS and 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 but needs to be updated. If you select this option you must attach an Entity OFT from the AVS to this form. Use Part D to provide the missing or corrected information.
- ( ) 3. Our business is not in the AVS and needs to be added. Complete Part D.

9/13/2021		President
Date	Signature	Title

THRASHER