



# 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.

## Header

List View

**General Information** | Contact | Default Values | Discount | Document Information

Procurement Folder: 92163

Procurement Type: Central Purchase Order

Vendor ID: 000000204789

Legal Name: THRASHER GROUP INC

Alias/DBA:

Total Bid: \$0.00

Response Date: 06/16/2015

Response Time: 9:39

SO Doc Code: CEOI

SO Dept: 0708

SO Doc ID: ABC1500000001

Published Date: 5/26/15

Close Date: 6/16/15

Close Time: 13:30

Status: Closed

Solicitation Description: ADDENDUM #2 - EO1 FOR ABCC  
FIRE PREVENTION RENOVATIONS

Total of Header Attachments: 0

Total of All Attachments: 0



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

**State of West Virginia  
 Solicitation Response**

**Proc Folder :** 92163

**Solicitation Description :** ADDENDUM #2 - EOI FOR ABCC FIRE PREVENTION RENOVATIONS

**Proc Type :** Central Purchase Order

Date issued	Solicitation Closes	Solicitation No	Version
	2015-06-16 13:30:00	SR 0708 ESR06161500000004378	1

**VENDOR**

000000204789  
 THRASHER GROUP INC

**FOR INFORMATION CONTACT THE BUYER**

Evelyn Melton  
 (304) 558-7023  
 evelyn.p.melton@wv.gov

**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	Architectural/Engineering Design -Fire Prevention Renovation				

Comm Code	Manufacturer	Specification	Model #
81101508			

<b>Extended Description :</b>	ARCHITECTURAL/ENGINEERING DESIGN FOR THE FIRE PREVENTION RENOVATION OF ABCC WAREHOUSE LOCATED IN NITRO, WV.
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STATE OF WEST VIRGINIA  
Purchasing Division

**PURCHASING AFFIDAVIT**

**MANDATE:** 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 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: 6-16-15

State of West Virginia

County of Harrison, to-wit:

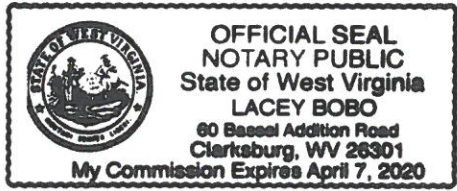
Taken, subscribed, and sworn to before me this 16 day of June, 2015.

My Commission expires April 7, 2020.

**AFFIX SEAL HERE**

**NOTARY PUBLIC** [Signature]

*Purchasing Affidavit (Revised 07/01/2012)*







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

**State of West Virginia  
 Centralized Expression of Interest**

**Proc Folder:** 92163

**Doc Description:** ADDENDUM #2 - EOI FOR ABCC FIRE PREVENTION RENOVATIONS

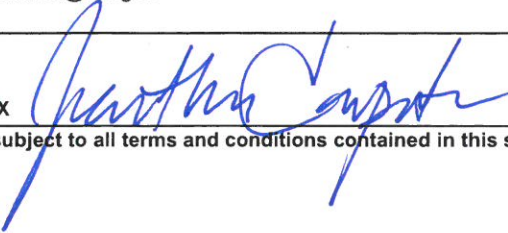
**Proc Type:** Central Purchase Order

Date Issued	Solicitation Closes	Solicitation No	Version
2015-05-26	2015-06-16 13:30:00	CEOI 0708 ABC1500000001	3

**BID RECEIVING LOCATION**  
 BID CLERK  
 DEPARTMENT OF ADMINISTRATION  
 PURCHASING DIVISION  
 2019 WASHINGTON ST E  
 CHARLESTON WV 25305  
 US

**VENDOR**  
 Vendor Name, Address and Telephone Number:  
 The Thrasher Group, Inc.  
 PO Box 940, 600 White Oaks Blvd.  
 Bridgeport, WV 26330  
 304-624-4108

**FOR INFORMATION CONTACT THE BUYER**  
 Evelyn Melton  
 (304) 558-7023  
 evelyn.p.melton@wv.gov

Signature X  FEIN # 55-0633596 DATE June 16, 2015

All offers subject to all terms and conditions contained in this solicitation

INVOICE TO		SHIP TO	
PROCUREMENT OFFICER ALCOHOL BEVERAGE CONTROL COMMISSION 4TH FLOOR 900 PENNSYLVANIA AVE CHARLESTON WV25302 US		ABCA WAREHOUSE HUB INDUSTRIAL PARK 97 INDEPENDENT AVE NITRO WV 25143 US	

Line	Comm Ln Desc	Qty	Unit Issue
1	Architectural/Engineering Design -Fire Prevention Renovation		

Comm Code	Manufacturer	Specification	Model #
81101508			

**Extended Description :**

ARCHITECTURAL/ENGINEERING DESIGN FOR THE FIRE PREVENTION RENOVATION OF ABCC WAREHOUSE LOCATED IN NITRO, WV.

**ADDENDUM NO. 2 ISSUED:**

- TO PROVIDE RESPONSES TO VENDORS' QUESTIONS
  - TO PROVIDE VENDORS A COPY OF THE MANDATORY PRE-BID SIGN-IN SHEETS
  - TO PROVIDE ADDENDUM ACKNOWLEDGMENT
- END OF ADDENDUM NO. 2 ---

**ADDENDUM NO. 1 ISSUED:**

- TO MOVE THE MANDATORY PRE-BID MEETING DATE  
 FROM: 05/11/2015  
 TO: 05/15/2015
- MANDATORY PRE-BID MEETING TIME AND PLACE REMAIN THE SAME.
- TO MOVE THE QUESTIONS SUBMISSION DEADLINE  
 FROM: 05/18/2015  
 TO: 05/20/2015
- END OF ADDENDUM NO. 1 ---

THE WEST VIRGINIA PURCHASING DIVISION IS SOLICITING EXPRESSIONS OF INTEREST ON BEHALF OF THE WV ALCOHOL BEVERAGE CONTROL COMMISSION FROM QUALIFIED FIRMS TO PROVIDE DESIGN SERVICES AND BID DOCUMENTS TO UPGRADE THE WATER SERVICE TO THE EXISTING SPRINKLER SYSTEM, REMOVAL OF THE EXISTING WATER TANK AND OTHER NECESSARY FIRE SYSTEM UPGRADES FOR THE ABCC WAREHOUSE LOCATED AT 97 INDEPENDENT AVENUE, NITRO, WV 25143.

<b>ABC150000001</b>	<b>Document Phase</b> Final	<b>Document Description</b> ADDENDUM #2 - EOI FOR ABCC FIRE PREVENTION RENOVATIONS	<b>Page 3</b> <b>of 3</b>
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**ADDITIONAL TERMS AND CONDITIONS**

See attached document(s) for additional Terms and Conditions

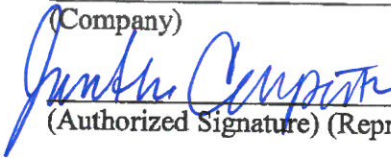


**CERTIFICATION AND SIGNATURE PAGE**

By signing below, or submitting documentation through wvOASIS, I certify that I have reviewed this Solicitation in its entirety; understand the requirements, terms and conditions, and other information contained 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)



Jonathan Carpenter, PE - Principal

\_\_\_\_\_  
(Authorized Signature) (Representative Name, Title)

304-624-4108    304-624-7831    June 15, 2015

\_\_\_\_\_  
(Phone Number) (Fax Number) (Date)

ADDENDUM ACKNOWLEDGEMENT FORM  
SOLICITATION NO.: CEOI\_ABC150000001

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

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

Addendum Numbers Received:  
(Check the box next to each addendum received)

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

I understand that failure to confirm the receipt of addenda may 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

June 15, 2015

Date

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



**ABCC Warehouse Fire  
Protection Renovations  
CEOI\_ABC1500000001**

Submitted by:  
**THE THRASHER GROUP**  
JUNE 16, 2015



June 16, 2015

Department of Administration  
2019 Washington Street East  
Charleston, WV 25305

**RE: ABCC Warehouse Fire Prevention Renovations**

Dear Members of the Selection Committee,

There are few firms in this region with the experience and in-house talent that Thrasher possesses. After reading through the solicitation for Fire Prevention Services at the ABCC Warehouse in Charleston, it is clear to me that the best firm for this project is Thrasher. With our blend of both engineering and architectural talent, we are second to none.

In the past, our team has tackled projects very similar to this with great success. Our experience with engineering fire lines, suppression tanks, will be complemented by our stellar environmental team. Environmental will be crucial in this project.

The Thrasher Team is ready and able to begin on this project. We look forward to showing the Department of Administration that our architects, engineerings, and environmental staff are the right choice for this project!

Sincerely,

THE THRASHER GROUP, INC.



JONATHAN CARPENTER, PE  
Principal-in-Charge

# The Thrasher Group, Inc.

In 1983, a young engineer with an entrepreneurial spirit and his father, a seasoned engineer with more than 40 years of experience, joined forces to start a civil engineering firm focused on public utility infrastructure in North Central West Virginia. With a commitment to building business through “successful projects and repeat clientele”, H. Wood Thrasher, PE and the late Henry A. Thrasher, PE – both graduates of West Virginia University - formed Thrasher Engineering, Incorporated in Clarksburg, West Virginia.

Since that time, Woody Thrasher has grown the company, now know as The Thrasher Group, Inc., into West Virginia’s largest privately-owned architectural and engineering firm, and one of the leading A/E firms in the Mid-Atlantic region.

Publicly funded water and wastewater projects were the backbone of the company, and continue to be a large part of its engineering division. Survey, construction monitoring, and inspection services departments were added in the early years of the company to support those projects.

While keeping an eye on the changing marketplace, Mr. Thrasher expanded the company’s areas of engineering to include site development for both public and private clientele, and provided design services for transportation including roadways, bridges and airports.

Based upon Thrasher’s success with site development and engineering design services, architectural design was added to Thrasher’s ever-expanding scope of services at the urging of their clients. The latest complement to the Architecture Division are master planning and landscape architecture.



Thrasher has grown from its original three employees to a current staff of nearly 350 and continues to prosper. Instilled in each employee is a commitment to maintaining the highest standards of professional service; a tribute to the founders’ initial philosophy of

*“Successful Projects and Repeat Clientele.”*

## Main Point of Contact:

Mr. Jonathan Carpenter, PE  
300 Association Drive  
Charleston, WV 25311  
304-343-7601  
jcarpenter@thrashereng.com

## Office Locations:

Charleston, WV  
Bridgeport, WV  
Beckley, WV  
Canton, OH  
Canonsburg, PA  
Oakland, MD  
Fredericksburg, VA

## Thrasher Information:

www.thrashereng.com  
thrasher@thrashereng.com



#303 of 500  
in the  
United States



#22 of 100  
in  
North America

# The Thrasher Group, Inc.

With multi-discipline capabilities, Thrasher covers all of the professional services needed to deliver successful projects to both public and private clientele. The firms' roots were planted in civil engineering and consulting services for public utility projects. Over the years, our success has allowed us to branch out, expanding our services to meet both the needs of our clients and the growing need for more responsive and effective solutions.

By providing a full range of quality professional engineering, surveying, architectural, environmental and related field services, this partnership has positioned itself as one of the leading consulting teams in the Mid-Atlantic region.

## **Disciplinary Practices :**

- Architecture
- Civil Engineering
- Water Treatment and Distribution
- Environmental Services
- Wastewater Collection and Treatment
- Land & Site Development
- Roadways / Bridges /Streetscapes
- Storm Water Systems
- Dams and Levees
- Land Planning and Landscape
- Parks and Recreation
- Survey
- Construction Monitoring
- Materials Testing
- Pipeline Inspection
- GIS Mapping Software Development

## **Areas of Service:**

- Planning
- Preliminary engineering
- Funding direction & application assistance
- Regulatory permitting
- Design and construction document preparation
- Bid documentation & process oversight
- Construction administration & monitoring
- Post construction service & on-going commitment
- Cost estimating

Successful projects require more from an engineering firm than just technical design expertise. At Thrasher, our project managers and engineers focus on all aspects of "getting the job done."

THRASHER

## Required Statements and Executive Summary

During the pre-bid meeting, it became very clear to our team that this project centers around creating a dedicated fire suppression system. We understand that the line being run by WV American Water Company is planned to serve this new dedicated system. Our team agrees that connecting to this line, and then running it along the inside of the roof would not only cut down on routing issues, but would save money. We have enlisted our in-house structural engineer, Jeff Gola, to be part of this team. With his expertise, we will be able to assess the roof and provide feedback as to the long-term implications of running the lines in this manner.

Our team has the combined knowledge and experience to complete all portions of this project. We know both the construction of new water lines and fire suppression systems, and the demolition of existing equipment. Since the existing pump and water tank are on the far side of the building (opposite the new fire line), we know that demolition will become a factor. We are experts at this. Keeping in mind that the facility manufactures nitroglycerin will be essential when working in close quarters with explosive materials.

*The Thrasher team understands all of these challenges and is equipped with a plan to handle them all!*

1. The Thrasher Group, Inc. is well equipped to handle the project in its entirety. With engineering and architecture staff over 150 strong, our team will not only be able to handle the work, but handle it in a timely fashion.
2. The Thrasher Group, Inc. understands and accepts that any and all work produced as a result of the contract will become property of the Agency and can be used or shared by the Agency as deemed appropriate.
3. Currently, The Thrasher Group, Inc. is not involved in any litigation or arbitration proceedings, including vendor complaints filed with the State's Purchasing Division, disputes with other Agencies of the State of West Virginia that involved legal representation by either party relating to the firm's delivery of design services. The Thrasher Group, Inc. is also not involved in any disputes with other Agencies of the State of West Virginia that involved legal representation by either party.

THRASHER





**ARCHITECTURE**

Thrasher offers a broad range of architecture and building design services to suit the needs of each individual client. The team at Thrasher is sought after in a variety of markets: commercial and retail spaces, healthcare facilities, educational facilities, government buildings, banking and financial institutions, and industrial warehouses to name a few.

We have experience in numerous delivery systems including design-build, design-bid-build, and have worked with owners in developing preliminary packages for alternative selection.

At Thrasher we pride ourselves on aesthetic design while keeping our roots firmly planted in accurate cost estimating, budget control and sustainability. Fulfilling our clients' needs in a responsible and innovative way has earned our firm prestigious recognition throughout the Mid-Atlantic region.

**ARCHITECTURAL EXPERTISE:**

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

A large, industrial water treatment tower with a red circular sign that says "21" and "WATER PRODUCTS INC." and "OTTAWA, ONT." The tower is made of metal and has a ladder on the side. The background is a clear blue sky.

## WATER TREATMENT AND DISTRIBUTION

Meeting increasingly stringent water quality standards demands experienced and dedicated water system specialists. Since our very first water project over 30 years ago, there has always been a potable water project underway at Thrasher. These projects provide safe drinking water to towns, cities, and entire counties. The team at Thrasher are highly skilled and practiced in both conventional ground and surface treatment systems involving rapid mix, flocculation, sedimentation, filtration, membrane, and reverse osmosis processes.

Whether it is designing more efficient processes, integrating alternative energy sources, reducing water loss, increasing system capacity; our clients can count on Thrasher to find practical, low cost, environmentally friendly solutions to their supply needs.

### WATER SERVICES:

- Distribution System Design
- Booster Stations and Hydraulic Modeling
- Water Loss Evaluation and Analysis Studies
- Feasibility Studies/Facility Planning
- Water Treatment Plant Design
- SCADA and Telemetry Systems
- Existing System Evaluation
- Storage Facility Design
- Pump Station Design
- Construction Monitoring
- Geographical Information Systems (GIS)



## ENVIRONMENTAL

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.

### **ENVIRONMENTAL SERVICES:**

- All Appropriate Inquiry (AAI)
- Environmental Site Assessments
- NEPA Compliance for Publicly Funded Projects (CATEX, EA, EIS)
- Ecological Studies
- Brownfield Redevelopment
- Industrial Hygiene and Demolition Planning
- Underground Storage Tank (UST) Consulting Services
- Wetland Delineation, Design, and Mitigation
- Remediation Investigation and Feasibility Studies, Alternatives, and Design
- Hydro-geologic and Geologic Investigations
- Ground-water Monitoring
- Sampling and Laboratory Analysis
- Solid and Hazardous Waste Management
- SPCC, GWPP, SWPP Environmental Compliance Plans
- Stream Assessments, Design, and Mitigation
- Erosion and Sediment Control Plans



## **CONSTRUCTION MANAGEMENT**

Effective management of our projects ensures that both clients and contractors work in an efficient and safe manner. From pre-construction activities such as bid conferences and surveys, to inspections, job progress reviews, through final completion, our goal is work that proceeds in accordance with plans and specifications.

At Thrasher, we inspect and manage a wide variety of projects designed by our firm in addition to projects for contractors and other designers. We have certified project representatives responsible for overseeing every element of design integrity. Our methods have earned the respect of not only our clients, but contractors and project owners alike.

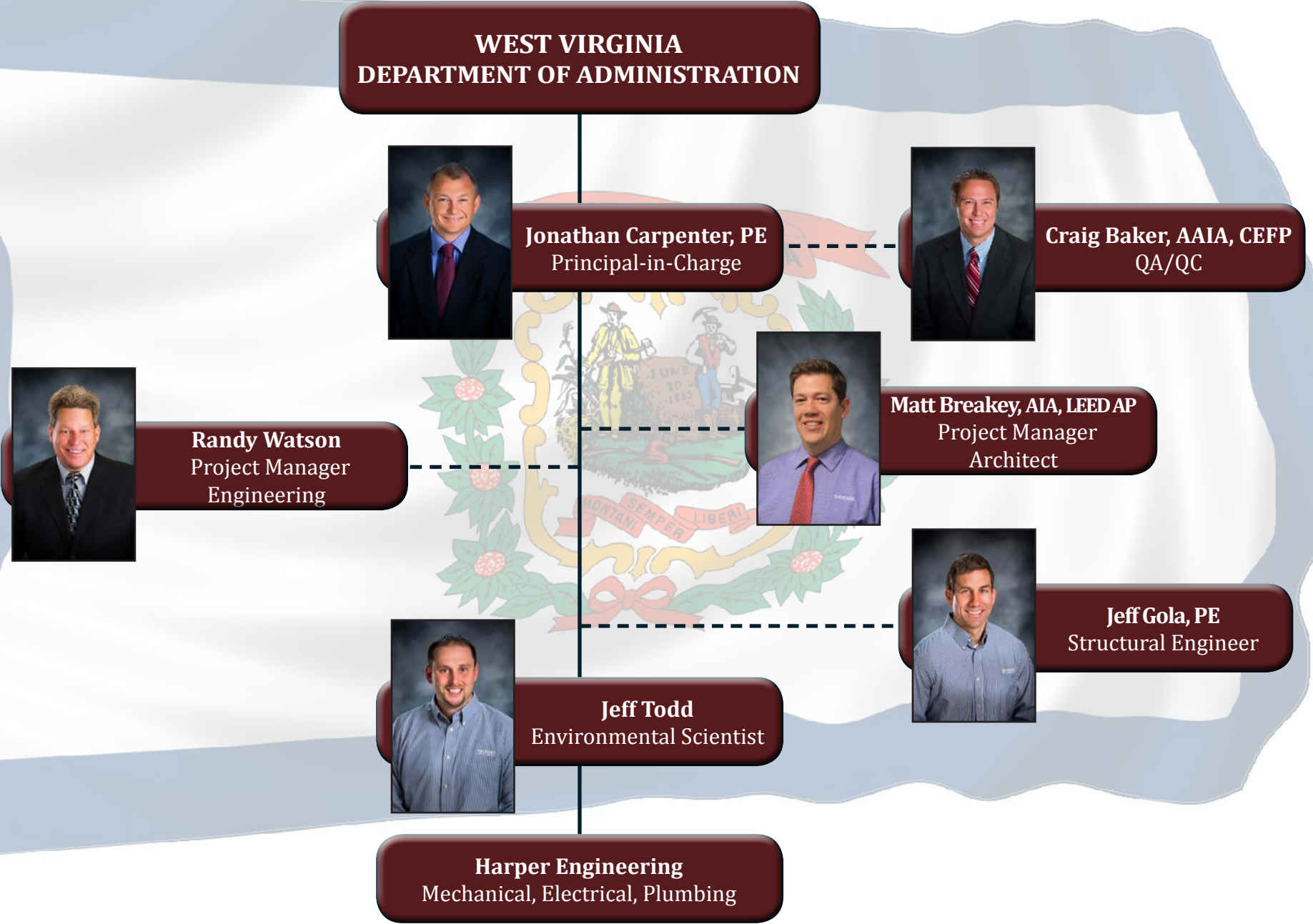
### **CONSTRUCTION INSPECTION SERVICES:**

- Construction Materials
- Structural Steel and Concrete
- Paving
- Drainage
- Embankments
- Work Zone Safety and Traffic Control
- Erosion and Soil Control

### **QUALITY CONTROL AND ASSURANCE METHODS:**

- Regularly Scheduled Planning and Progress Meetings
- Engineering During Construction
- Daily Logs and Progress Sheets
- Cut Sheets
- Quantity Tracking

# Project Team



# Jonathan Carpenter, PE

## Principal-in-Charge



Jonathan Carpenter, PE is Partner in Pentree and serves as Manager of the firm in Charleston, West Virginia. Since joining the firm in 1997, he was named a Partner in 2009. During his tenure with Pentree, he has focused his design and project management skills on projects within the public utility realm, with emphasis on water and wastewater treatment facilities. His work as Project Manager and/or Project Engineer in this area has earned numerous awards from the American Council of Engineering Companies (ACEC).

As a Project Manager, he is responsible for the oversight of all technical design aspects in addition to regulatory and funding processes. Jonathan is highly adept in client communication, project scheduling and financial aspects to insure on-time and on-budget quality projects.

### **Education:**

- Bachelor of Science, Civil Engineering - University of Tennessee

### **Registrations:**

- Registered Professional Engineer (PE)
  - West Virginia and Maryland

### **Certifications/Affiliations:**

- American Society of Civil Engineers
- American Water Works Association – State of WV National Director, Board Member, Past Chairman

### **Awards:**

- West Virginia ACEC Gold Award, Wastewater Treatment 2011
- West Virginia ACEC Gold Award, Water Treatment 2001
- West Virginia ACEC Silver Award, Water Treatment 2005

### **Related Experience Includes:**

- **City of Milton Water Treatment Upgrade** - Cabell County, West Virginia
- **Buffalo Creek PSD Water Treatment Plant Upgrade** - Logan County, West Virginia





# Craig Baker, AAIA, CEFP

## Quality Assurance/Quality Control



Mr. Baker has extensive experience in designing, renovating and planning building additions for academic clients. Mr. Baker has designed, managed and completed many projects during his tenure at Thrasher. He has a vast knowledge centered on the following: sports complexes, administrative office space, classroom design, academic building expansion, government buildings, residences, medical facilities and restaurants.

Craig is experienced in nearly all CADD and building information modeling design programs relative to architecture. Craig has excellent client communication, coordination of construction, detailed construction document preparation, bidding, construction management and contract administration and is an experienced project manager.

### Education:

- Advanced Certificate, Educational Facilities Plan - San Diego State University
- Bachelor of Science, Architectural Engineering - Fairmont State University

### Certifications/Affiliations:

- American Institute of Architects - Associate, West Virginia and National Chapters
- Certified Educational Facilities Planner (CEFP)
- Council of Educational Facilities Planner
- West Virginia Energy Services Coalition

### Related Experience Includes:

- **Harrison County Courthouse Fire Suppression System Upgrades** - Harrison County, West Virginia
- **Spelter Volunteer Fire Department** - Harrison County, West Virginia
- **Lumberport Volunteer Fire Department** - Harrison County, West Virginia
- **IOOF Lodge Automatic Fire Suppression System** - Monongalia County, West Virginia
- **Dominion Goshen Road New Facility** - Monongalia County, West Virginia





# Randy Watson

## Project Manager - Engineering



Randy Watson has extensive experience in water lines and water loss reduction across the Mid-Atlantic Region. Randy joined Thrasher in 1984 and has worked in and helped develop the utility department in that time. His responsibilities include overseeing engineering design, project acquisition, project funding applications, and construction management. Randy undertakes each project with an extreme level of knowledge and experience which is beneficial to clients.

Randy specializes in distribution system replacements, extension, water loss reduction, water treatment plant design and water tank design and rehabilitation. Randy has been very successful in assisting clients who face funding challenges. His reputation with agencies and policies make him an expert in his field.

### Education:

- Bachelor of Science, Mining Engineering Technology - Fairmont State University
- Associate of Science, Design and Drafting - Fairmont State University

### Certifications/Affiliations:

- American Water Works Association

### Related Experience Includes:

- **City of Cameron Water System Replacement** - Marshall County, West Virginia
- **Town of Elizabeth Water System Extensions**- Wirt County, West Virginia
- **Grandview Doolin Public Service District Water Line Extension and Water System Improvements** - Wetzel County, West Virginia
- **Town of Farmington Water Line Replacement** - Marion County, West Virginia
- **Town of Bath (Berkeley Springs Water Works) Multi-Phase Water System Replacement Project** - Morgan County, West Virginia
- **City of Bridgeport Economic Development Water Line Extension Project** - Harrison County, West Virginia
- **Gilmer County Public Service District Water Line Extensions** - Gilmer County, West Virginia



# Matt Breakey, AIA, LEED AP

## Project Manager - Architect



Matthew Breakey, AIA, NCARB, LEED AP, joined the team at Thrasher in the fall of 2014. Mr. Breakey brought with him over 20 years of experience providing architectural design and management services to a wide variety of clients including those in the education sector (K-12 and higher education clients), State, Federal, Correctional, Commercial, Multi-Unit Residential, and Healthcare System.

Mr. Breakey spent part of his career providing oversight for major capital construction projects for two auxiliary entities at a Higher Education Institute. This work has given him a refined eye for both the design aspect as well as project construction and feasibility. Mr. Breakey's combination of experience and education have made him a highly sought after architect in the region.

### Education:

- Bachelors of Architecture - Pennsylvania State University
- Bachelors of Science, Architecture - Pennsylvania State University

### Registrations

- Registered Architect
  - West Virginia, Maryland, and Kentucky
  -

### Certifications/Affiliations:

- LEED Accredited Professional, US Green Building Council
- NCARB Certification
- American Institute of Architects (AIA)
- AIA West Virginia Chapter - member
- Council of Educational Facilities Planners International (CEFP)

### Related Experience Includes:

- **WVU Engineering Sciences Building Lab Renovations** - Monongalia County, West Virginia
- **WVU Engineering Sciences Building Entrance** - Monongalia County, West Virginia
- **The Market at Alum Creek (Farmer's Market)** - Lincoln County, West Virginia





# Jeff Gola, PE

## Structural Engineer



Jeff Gola, PE joined Thrasher in 1998 and serves as Project Manager and Engineer on site development, transportation, community improvement, and stormwater projects. He is experienced in all aspects of site development such as site selection, erosion and sediment control, grading, and permitting. Jeff works closely with clients to ensure timeliness, client satisfaction and budgetary aspects.

Jeff has a strong background in structural inspection. He is skilled in the design of retaining walls and appurtenances. Mr. Gola's understanding of how land settles and moves has made him the firm's top engineer for structural and retaining wall projects.

### Education:

- Bachelor of Science, Civil Engineering Technology - Fairmont State University

### Registrations and Certifications:

- Registered Professional Engineer:
  - States of West Virginia and Maryland

### Related Experience Includes:

- **City of Clarksburg Slip Repair Retaining Walls - Harrison County, West Virginia**
- **McDonald's Corporation Retaining Wall and Drainage Study - Marion County, West Virginia**
- **City of Salem Slip Repairs Gabion Walls - Harrison County, West Virginia**
- **Fairmont State University Multiple Retaining Walls - Marion County, West Virginia**
- **City of Pleasant Valley Sidewalk Project - Marion County, West Virginia**
- **Fairmont State University Sidewalks and Pedestrian Walking Bridge - West Virginia**
- **City of Westover Sidewalks - Monongalia County, West Virginia**
- **Town of Nutter Fort Sidewalks - Harrison County, West Virginia**
- **City of Ripley Main Street Beautification Project - Jackson County, West Virginia**



# Jeff Todd

## Environmental Scientist



Jeff Todd joined Thrasher in 2011 and serves as an Environmental Scientist for the firm. Mr. Todd has over 10 years of experience working in the Environmental field.

Over the years, Mr. Todd has worked with ground water, surface water, and storm water sampling, abandonment and installation of monitoring wells, configuring underground storage tanks, soil drilling and sampling, aquatic resource assessments and permitting, asbestos inspections, and ESA Phase I.

### Education:

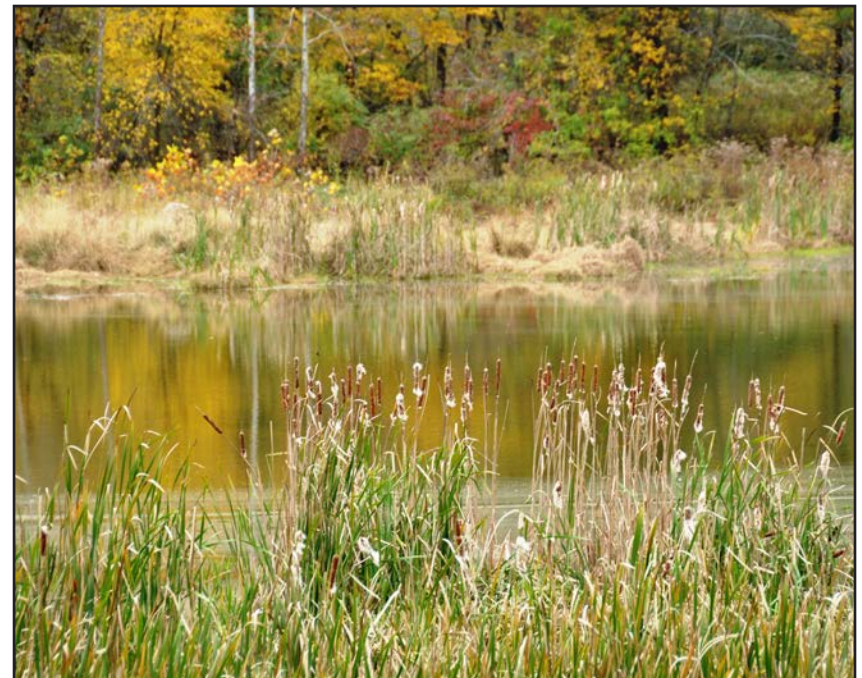
- 33 Continuous Hours of Graduate Program, Environmental Science - Marshall University (degree conferred May 2015)
- Bachelor of Science, Wildlife and Fisheries Resources - West Virginia University

### Certifications/Affiliations:

- Asbestos Inspector - State of West Virginia (#AI007006)
- 40 Hours Hazardous Waste Operations and Emergency Response
- 38 Hour Army Corps of Engineers Wetland Delineation Training Program (2013)
- Safe Land USA On-Site Safety 8-Hour Course (2013)

### Related Experience Includes:

- **Elk Village Apartments ESA Phase I** - Kanawha County, West Virginia
- **Little Laurel Run Water Supply Dam Environmental Reporting and Delineations** - Barbour County, West Virginia
- **Baker Sanitary Sewer System Stream and Wetland Delineations** - Hardy County, West Virginia
- **Groundwater Monitoring and Well Sampling** - Various Counties, West Virginia





# Harper Engineering, Inc.

## Mechanical, Electrical, and Plumbing

Harper Engineering was founded in 2008 to provide innovative engineering design services to architects, owners and contractors throughout the state. We are a unique combination of eager young talent and proven experience fused together to serve all of your building systems design needs including heating, cooling, plumbing, lighting, and electrical.

Harper's goal is to design optimized systems that meet all of our client's performance, energy use, and budgetary needs. The staff at Harper Engineering has a combined 80 years of experience working with clients in a variety of fields including but not limited to housing, education, hospitals, offices, airports, manufacturing, and water treatment plants.

### Services:

- Specialized in public and multi-family housing
- HVAC design plumbing design
- Heating and cooling load calculations pipe sizing
- Ductwork sizing fixture selection
- Hydronic pipe sizing sprinkler design
- Equipment selection site utilities
- Electrical design drafting
- Electrical load calculations specifications
- Panel and switch gear selection project management
- Lighting construction documents
- Fire alarm
- Site utilities
- Emergency generators
- Security and communications



# IOOF Lodge Automatic Fire Suppression System



## Contact

IOOF Lodge  
264 High Street  
Morgantown, WV 26505  
304-296-7114

## Project Description:

This project included a new automatic fire sprinkler system, new fire alarms, and the addition of an elevator. The sprinkler system design was executed by Brewer & Company of WV.

The design required sprinklers be installed on the main floors of the lodge as well as in the nightclub and restaurant that share the ground floor of the building.



# North Central West Virginia Airport Fire Suppression System

With strict regulations and physical location constraints, designing and implementing a fire suppression system at the North Central West Virginia Airport was a challenge. The Thrasher team was tasked by Bombardier to develop a fire suppression system for their main airplane maintenance hangar.

Historically, Bombardier had to drain all the fuel from it's airplanes before they could safely be brought into the hangar for maintenance. The goal was to design a fire suppression system that was strong enough to meet regulations and to allow Bombardier to bring their planes in without draining fuel.

The Thrasher team installed nearly 1 mile of 24" water line and ran it to a designated new pump station with the capacity to pump roughly 45,000 gallons per minute. This solution has granted Bombardier clearance to safely work on aircrafts inside the hangar.



## Contact

Mr. Rick Rock, Airport Manager  
North Central West Virginia Airport  
2000 Aviation Way  
Bridgeport, WV 26330  
304-842-3400



# Tom Seely Furniture Fire Suppression System

Thrasher provided a very unique fire suppression system to the Tom Seely Furniture Factory Warehouse in Berkeley Springs, WV. Tom Seely Furniture produces solid handmade wood furniture. Their factory is full of highly flammable chemicals and materials such as varnish, paint, and saw dust. As a result of Tom Seely's expansion and increased risk of fire, their insurance agency raised premiums to the point where something had to be done to reduce fire risk and lower rates.

This project required Thrasher to develop an innovate solution. The team had to create a designated water well, holding tank, and fire suppression lines for the furniture facility, as well as take into consideration that this area is prone to freezing in the winter. The solution enabled the shop to have the water volume and pressure required to satisfy regulations and the insurance company.

In addition to the fire suppression system, Thrasher had to insulate and add the ability to heat the new water storage tank for cold winter months so water supply does not freeze.



## Contact

Tom Seely Furniture Company  
Ms. Donna Burdock  
Valley Road  
Berkeley Springs, WV 25411  
304-258-2343

# Harrison County Courthouse Fire Suppression System Upgrades



## Contact

Mr. Bernie Fazzini, Commissioner  
Harrison County Commission  
301 West Main Street  
Clarksburg, WV 26301  
304-624-8500

## Project Description:

Harrison County Courthouse is in the process of upgrading their current sprinkler system to the current state fire code. Thrasher is in the process of working with Harper Engineering to get floors 2-6 and attic space designed for a new sprinkler system.

Thrasher is doing the work with the Courthouse through the Courthouse Facilities Improvement Grant. We have provided a phasing plan to the County Commission on how much they can afford each year. Phase 1 of the job will consist of as built plans for the 2nd floor and sprinkler design.

The work will include new standpipe, back-flow preventer and all sprinkler lines and heads needed to cover 2nd floor area per design. There will be demo and patching required to bring the new system into the old facility.



# American Woodmark Fire Suppression System

In 2013, Thrasher worked alongside H&M Architects/Engineers to conceptualize a plan and proposed layout for the new American Woodmark facility in Moorefield, WV. This plan included a fire suppression system, fire lines, utility relocation, erosion/sediment control, grading, and storm water management.

As part of the project, Thrasher had to obtain all permits and provide survey mapping of the entire project area.

## Contact

Mr. Bernie Owens, PE  
H&M Architects/Engineers, Inc.  
50 Security Drive  
Jackson, TN 38305  
731-664-6330  
bjowens@hmcompany.com



# Barbour County Career and Technical Center Fire Suppression System



## Contact

Mr. Glen Sweet  
Barbour County Board of Education  
3 North High Street  
Philippi, WV 26416  
304-457-3030

## Project Description:

This project consisted of the installation of a new sprinkler system and fire alarm system in both the main and annex buildings. The work also included the replacement of all ceiling tiles, flooring, and base throughout. All windows and exterior doors were replaced along with all of the rooftop HVAC equipment.

As part of this project, a former Tech Ed. classroom was transformed into a high tech, interactive learning environment. Portions of this project were completed as part of an Energy Performance Contract where energy savings generated from the upgrades will pay down the construction costs over time.

# Various Water Tank Demolition and Fire Line Experience

## Water Tank Demolition Experience

- Grandview Doolin Public Service District
- Greater Harrison County Public Service District
- City of Weirton
- North Central West Virginia Airport

## Fire Protection System Experience

- Federal Correction Institutes
  - Glenville, WV
  - Canaan, PA
  - Welch, WV
- Caledonia Heights - Hardy County, WV
- White Oaks Business Park Buildings - Harrison County, WV



# THRASHER

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