

THRASHER

**West Virginia State Police
Expression of Interest
Architectural for Various Projects**

April 21, 2016



05/03/16 11:46:04
WV Purchasing Division

600 White Oaks Boulevard • P.O. Box 940 • Bridgeport, WV 26330 • www.thrashereng.com

ADDENDUM ACKNOWLEDGEMENT FORM
SOLICITATION NO.: CEOI DPS1690000001

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 be cause for rejection of this bid. I further understand that 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

05-02-16

Date

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



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

State of West Virginia
 Centralized Expression of Interest
 02 - Architect/Engr

Proc Folder: 198605

Doc Description: Architectural/Eng. design services for various projects

Proc Type: Central Purchase Order

Date Issued	Solicitation Closes	Solicitation No	Version
2016-03-29	2016-04-21 13:30:00	CEOI 0812 DPS1600000001	1

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 (phone)
 304-624-7831 (fax)

FOR INFORMATION CONTACT THE BUYER

Tara Lyle
 (304) 558-2544
 tara.l.yle@wv.gov

Signature X

FEIN # 55-0633596

DATE 04/20/16

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

ADDITIONAL INFORMATION:

The West Virginia Purchasing Division for the agency, WV State Police, is soliciting CEOI responses from qualified firms to provide a contract to provide necessary architectural and engineering services for multiple projects for the WV State Police throughout the State of West Virginia, per the attached documentation.

Vendors should submit one original proposal plus three (3) convenience copies to the Purchasing Division.

INVOICE TO		SHIP TO	
WEST VIRGINIA STATE POLICE 4124 KANAWHA TURNPIKE		WEST VIRGINIA STATE POLICE 4124 KANAWHA TURNPIKE	
SOUTH CHARLESTON	WV25309	SOUTH CHARLESTON	WV 25309
US		US	

Line	Comm Ln Desc	Qty	Unit Issue
1	Architectural/Engineering/Design services		

Comm Code	Manufacturer	Specification	Model #
81101508			

Extended Description :

Architectural/Engineering/Design services for various projects

SCHEDULE OF EVENTS

Line	Event	Event Date
1	Technical questions due by 4:00 pm	2016-04-13

DPS1600000001	Document Phase Final	Document Description Architectural/Eng. design services for various projects	Page 3 of 3
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ADDITIONAL TERMS AND CONDITIONS

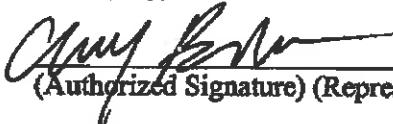
See attached document(s) for additional Terms and Conditions

CERTIFICATION AND SIGNATURE PAGE

By signing below, or submitting documentation through wvOASIS, I certify that I have reviewed this Solicitation in its entirety; 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)



Craig Baker, CFP - Principal

(Authorized Signature) (Representative Name, Title)

304-624-4108 (phone) 304-624-7831 (fax)

(Phone Number) (Fax Number) (Date)

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: 04/20/16

State of WV

County of Harrison, to-wit:

Taken, subscribed, and sworn to before me this 20 day of April, 2016.

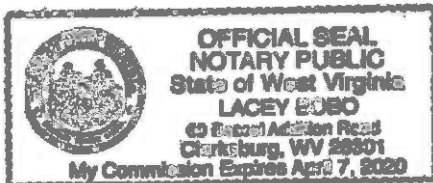
My Commission expires April 7, 2020, 20 .

AFFIX SEAL HERE

NOTARY PUBLIC

[Signature]

Purchasing Affidavit (Revised 07/01/2012)



April 21, 2016

Department of Administration - Purchasing Division
2019 Washington Street East
Charleston, WV 25305

RE: West Virginia State Police - Architectural for Various Projects

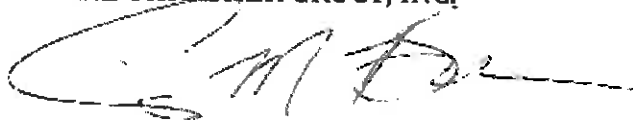
Dear Members of the Selection Committee,

The Thrasher Group appreciates the opportunity to submit our qualifications to the Purchasing Department for the projects with the State Police. We are confident we are the right firm for these projects based on our previous experience and talented staff. We will utilize the same project management principles that have been successful on other similar projects throughout West Virginia. We feel we understand your goals, and most importantly, your expectations as a consultant and will utilize this to ensure your satisfaction with the finished product.

I have great confidence that our experience with similar projects, and the relationships we have built throughout the state will ensure a successful project. Our team has carefully and concisely responded to your request and assembled a familiar group of professionals to meet your project needs. We are looking forward to sharing our knowledge and experience with the Purchasing Division and the WV State Police!

Sincerely,

THE THRASHER GROUP, INC.



CRAIG BAKER, CEFP
Principal-in-Charge

Company Information

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 known 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. Craig Baker, CEFP
600 White Oaks Blvd.
Bridgeport, WV 26330
office: 304-624-4108
cell: 304-669-3022
fax: 304-624-7831

Office Locations:

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

Thrasher Information:

www.thrashereng.com
thrasher@thrashereng.com

Company Information

With multi-discipline capabilities, Thrasher cover 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
- 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
- Environmental Services
- Pipeline Inspection
- GIS Mapping Software Development

Capacity:

- **323 total employees**
 - 31 licensed civil engineers
 - 3 licensed architects
 - 1 licensed landscape architect
 - 10 engineering technicians
 - 60 construction inspectors
 - 75 land surveyors
 - 25 CADD technicians
- **6 offices in 4 states**

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."

Project Approach

Mr. Matt Breakey, AIA, will serve as your project manager. Assisting in the oversight of the project will be Craig Baker, Principal-in-Charge. Craig has over 12 years of experience leading architecture projects and knows what it takes to complete tasks on time and within budget.

The teams combined first-hand knowledge of the intricacies involved with facility renovation and construction monitoring will create an easy and seamless experience on these projects. The following steps will be used by our team throughout the project.

- Step 1.** Our team will conduct a rigorous on site assessment of each of your existing facilities included in this scope of work. We will evaluate all required elements of the building structure, envelope, Mechanical, Electrical and Plumbing systems, ADA accessibility, site layout, etc. as required. We will catalog the square footages, number of offices, number of staff, etc. Attention will be paid to load bearing walls, chases, etc. in an effort to determine how the future space may be renovated to meet your current needs. We will also assess public access, safety, and security.
- Step 2.** Our team will provide a detailed report of our findings which will include as-built drawings and a prioritized list of improvements that are needed.
- Step 3.** Thrasher staff will meet with your team to conceptualize how the current facilities can be modified to better serve your needs. Our staff will also work with you to develop a detailed program and list of desired improvements. We will then make recommendations as to how each facility can be modified to better function for each location, based on our experience
- Step 4.** Development of detailed construction cost estimates to help your team with budgeting and phasing

We know how to get projects done in a
timely and cost *effective* manner!

Craig Baker, CAFP Principal-in-Charge



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

Affiliations/Certifications:

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

Related Experience Includes:

- **City of Oak Hill Police and Fire Station New Facility** - Fayette County, West Virginia
- **Spelter Volunteer Fire Department** - Harrison County, West Virginia
- **Lumberport Volunteer Fire Department** - Harrison County, West Virginia
- **Harrison County EMS Building Renovation** - Harrison County, West Virginia
- **Dominion Goshen Road New Facility** - Monongalia County, West Virginia



Matt Breakey, AIA, LEED AP, NCARB Project Manager



Matt 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:
 - States of West Virginia, Maryland, and Kentucky

Affiliations/Certifications:

- 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 Entrance - Monongalia County, West Virginia
- Potomac State College New Library Entrance Addition - Keyser, West Virginia
- WVU Student Health Center - Monongalia County, West Virginia
- WVU Engineering Sciences Building - 10th Floor Renovations - Monongalia County, West Virginia



Dave Smith, PE Project Engineer



Through practical experience, David Smith knows what clients expect from their engineering firm. As a project manager for engineering and construction at West Virginia University, Dave was the client for many engineering firms, in addition to serving as an in-house consultant for planning, design and construction of capital projects throughout WVU's main campus and regional facilities. He also was the Director of Operations for WVU's Jackson's Mill facility.

As a project manager and engineer, Dave is highly focused on project delivery, specifically scheduling and budgeting, as was demonstrated in his successful management of nearly \$60 Million in construction projects at WVU in a five year period.

Education:

- Bachelor of Science, Civil Engineering - West Virginia University (WVU)
- Associates of Science, Civil Engineering- Potomac State College of WVU

Registrations:

- Registered Professional Engineer
 - State of West Virginia

Related Experience Includes:

- **Harrison County EMS Building Renovation** - Harrison County, West Virginia
- **City of Oak Hill Police Station New Facility** - Fayette County, West Virginia
- **Spelter Volunteer Fire Department** - Harrison County, West Virginia
- **Doddridge County BOE Bus Garage New Facility** - Doddridge County, West Virginia



Mike Nestor, PE Site Engineer



Michael R. Nestor joined Thrasher in 2005. Mike has a wide range of experience in drainage and stormwater projects. He has worked with numerous municipalities and other entities to develop stormwater management programs resulting in MS4 compliance. Mike understands your program and what it takes to fund it. In addition, his certification as a certified floodplain manager sets him apart from most engineers in the industry.

Education:

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

Affiliations:

- Certified Floodplain Manager
- North Central West Virginia American Society of Highway Engineers - President
- American Society of Civil Engineers

Registrations:

- Registered Professional Engineer (PE)
 - State of West Virginia [REDACTED]

Related Experience Includes:

- Inwood Drainage Study - Berkeley County, West Virginia
- Shenandoah Office Park Site Design and Storm Water Management Plan - Berkeley County, West Virginia
- Back Creek Acres Residential Site Development - Berkeley County, West Virginia
- Merrick 104,000 SF Facility Expansion - Berkeley County, West Virginia
- City of Westover (Developed Stormwater Management Program for MS4 compliance) - Monongalia County, West Virginia
- Town of Fayetteville (Developed Stormwater Management Program for MS4 compliance) - Fayette County, West Virginia



Jeff Roberts, AAIA

Construction Inspector and Estimator



Jeff Roberts is an Associate AIA in the state of West Virginia. He joined Thrasher in 2009 following graduation from Fairmont State University. Currently, Jeff serves as project manager and construction inspector/estimator. His experience on-site, working directly alongside Contractors has given him an great understanding of project estimating and a keen eye for inspection.

Jeff specializes in client communication, project organization and design details of all types of architectural buildings. He has expertise in CADD design programs related to architecture. As Project Manager, Jeff holds the responsibility for per-design work, client communication, construction document coordination, project scheduling, and construction administration.

Education:

- Bachelor of Science, Architectural Engineering - Fairmont State University

Affiliations/Certifications:

- Associate Member of AIA (American Institute of Architects)

Related Experience Includes:

- **Marion County Health Department Renovations and Addition** - Marion County, West Virginia
- **Dominion Goshen Road New Facility** - Monongalia County, West Virginia
- **Romney Public Works Building New Facility** - Hampshire County, West Virginia
- **MVA Shinnston Clinic Renovations** - Marion County, West Virginia
- **Dominion Natrium Plant Processing Facility Additions**- Monongalia County, West Virginia
- **Mountaintop Medical Clinic New Facility Project**- Tucker County, West Virginia



Bill Ratcliffe, REFP **Construction Management**



Bill Ratcliffe, REFP, joined the Thrasher team in 2016 and brings over 25 years experience to Thrasher's construction services and architectural divisions. Mr. Ratcliffe has spent the last 10 years of his career working as a construction administrator on both public and private projects. Bill also spent nearly 14 years of his career working for the West Virginia School Building Authority where he worked in educational facilities planning. This experience makes him a valued member of the Thrasher team.

Mr. Ratcliffe has built strong working relationships with countless regulatory and building entities all throughout the Mid-Atlantic region. These relationships and industry knowledge allow Mr. Ratcliffe to be a superb construction estimator and deliver accurate project oversight time and time again.

Education:

- Regents Degree - WV State University

Registrations and Certifications:

- Recognized Educational Facility Planner (REFP)

Related Experience Includes:

- **WVU Robert C. Byrd Testing Center Renovations, Charleston Area Medical Center** - Kanawha County, West Virginia
- **Fairmont State University Janes Hall Renovations** - Marion County, West Virginia
- **WV Public Service Commission Façade Replacement** - Kanawha County, West Virginia
- **New Suncrest Primary School** - Monongalia County, West Virginia
- **Fayette County Schools 2010-2020 CEFP Review** - Fayette County, West Virginia
- **New Spring Mills High School** - Berkeley County, West Virginia
- **Moorefield High School Addition and Renovations** - Hardy County, West Virginia
- **New Gerrardstown Middle School** - Berkeley County, West Virginia
- **Jefferson County Convention & Visitors Bureau Addition and Renovations** - Jefferson County, 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 education, hospitals, offices, airports, manufacturing, and water treatment plants.

Services:

- Interior fit-outs
- Higher Education HVAC design
- Specialized K-12 school design SB
- A policies 6200 standards
- HVAC design plumbing design
- Heating and cooling load calculations pipe sizing
- Ductwork sizing fixture selection
- Equipment selection site utilities
- Hydronic pipe sizing sprinkler design
- Electrical design drafting
- Electrical load calculations specifications
- Panel and switch gear selection project management
- Lighting construction documents
- Fire alarms
- Site utilities
- Emergency generators



References

MR. BILL HANNABASS
MAYOR
CITY OF OAK HILL
100 KELLY AVENUE
OAK HILL, WV 25901
304-469-9541

MR. WARREN GREEN
FACILITY MANAGER
DOMINION
445 WEST MAIN STREET
CLARKSBURG, WV 26301
304-669-4360

MR. WILL CHAPMAN
DIRECTOR OF FACILITIES
MCDOWELL COUNTY SCHOOLS
30 CENTRAL AVENUE
WELCH, WV 24801
304-436-8411



Project Management Budgeting and Scheduling

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. Our team puts an extra emphasis on making sure our projects stay on schedule. One of the ways we accomplish this is by utilizing specialized scheduling software to track every stage of a project from design and bidding through construction completion.

We also require contractors working on our projects to regularly update their project schedules and give a detailed progress report at each job meeting. This helps to ensure all parties are informed and aware of potential delays. Keeping our owners up to speed with progress is our number one goal and ensures occupancy and owner supplied equipment are scheduled accordingly.

Budgeting:

At Thrasher we take construction estimating and budgeting very seriously. As a matter of fact it is considered The most important facet of what we do. Without accurate budgets, there is no tool to guide the design process which is why we make cost estimating an integral part of the project from day one.

Our estimates go beyond the typical cost per square foot. At Thrasher we do 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. We also have a great understanding of the local market and material costs which allows us to accurately design to meet your budget.

Staff Certifications

Thrasher has 3 Registered Architects on Staff (licenses available upon request) and 5 LEED Professionals. Below, you will find a breakdown of personnel by expertise.

Licensed Architects

Matt Breakey, AIA, LEED AP

- Project Architect

Lee Gustafson, AIA

- Project Architect

Phillip Freeman, AIA

- Project Architect

Construction Administrators

Bill Ratcliffe, REFP

- Construction Estimator/Educational Administrator

Jeff Roberts

- Construction Estimator

Dave Smith, PE

- Building Construction Inspection

LEED AP Professionals

Kenton Blackwood, LEED AP

- Project Manager

Matt Breakey, AIA, LEED AP

- Lead Project Architect

Josh Lyons, LEED AP O+M

- Green Design Specialist

Dan Garvin, LEED AP BD+C

- Green Design Specialist

CJ Smith, LEED AP BD+C

- Green Design Specialist

Staff Experienced with BIM Design & Construction

Craig Baker, CEFP

- Principal-in-Charge

Kenton Blackwood, LEED AP

- Project Manager

Matt Breakey, AIA, LEED AP

- Lead Project Architect

Josh Lyons, LEED AP O+M

- Green Design Specialist

Dan Garvin, LEED AP BD+C

- Green Design Specialist

CJ Smith, LEED AP BD+C

- Green Design Specialist

Ashley Shaver

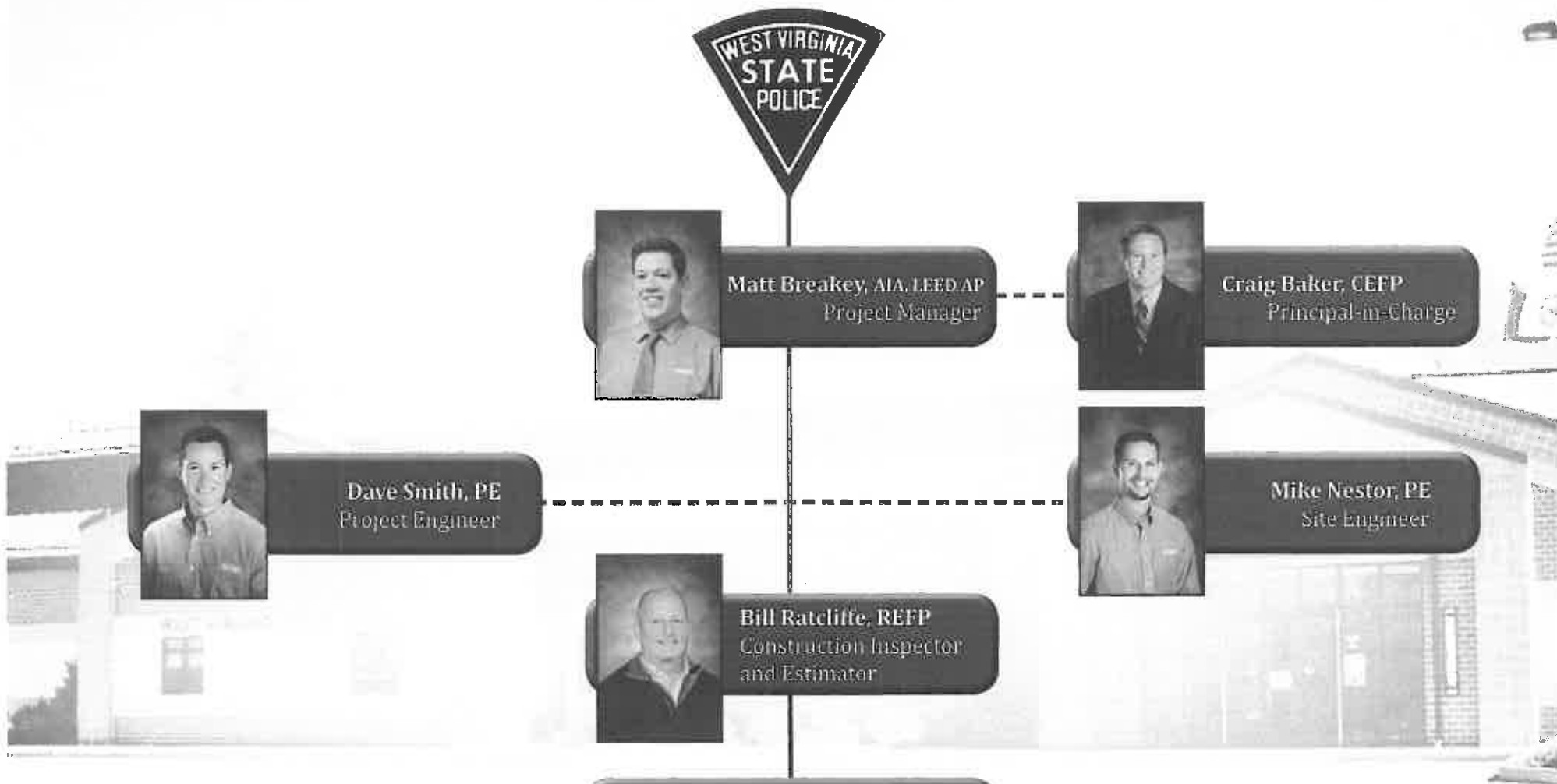
- Intern Architect

Stacie Haythorn

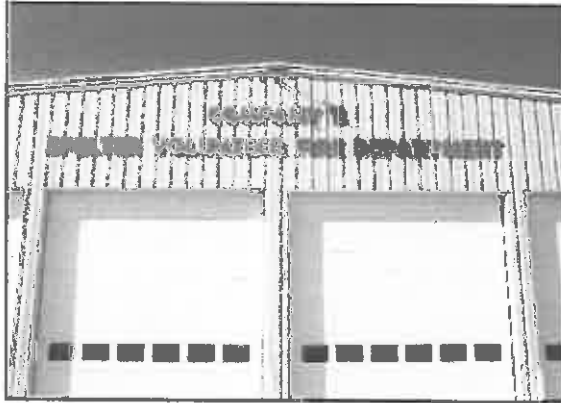
- Interior Designer



Proposed Staffing Plan Outline



Spelter Volunteer Fire Department Past Projects



Owner:

Spelter Volunteer Fire Department
Mr. Steve Martin, Chief
PO Box 176, 55 B Street
Spelter, WV 26438
304-622-8256
spelervfd@gmail.com

Location:

Spelter, WV

Project Manager:

Craig Baker, CEFP
304-669-3022
cbaker@thrashereng.com

Project Type/Size:

New Building

10,000 SF

- 6 Stall Emergency Vehicle Garage
- Community Room
- Equipment Storage

Project Goals/Objectives:

The major goal of this project was to design a garage that was versatile. The need was primarily for a vehicle garage, but also needed to be transformed into a community meeting point and have ample storage.

Pendleton County Nursing Home Past Projects

This project includes design and construction of a new rooftop heating, ventilation and air conditioning system, and metal enclosure for the ductwork for approximately 28,000 square feet of the existing Pendleton Nursing Home.

The new roof enclosure work consisted of constructing 5,900 square feet of metal framed cupola type structures with metal studs, batt insulation, non-combustible sheathing for floor and walls and removal of the existing roof within the enclosed area.

The roof outside of the enclosure was also replaced. This project consisted of removing the existing EPDM roofing, patching existing insulation, adding tapered insulation and re-roofing. The HVAC replacement consisted of the removal and replacement of exhaust systems and the installation of all new rooftop HVAC units and duct systems. These duct systems have main runs in the new enclosure supply, return air duct drops in the corridor ceiling space and exhaust duct drops through restroom ceilings. Electrical wiring and new fire alarm systems were also included in this project.



Owner:

Pendleton County Nursing Home
Ms. Anna Mae Harman
141 Maple Avenue
PO Box 700
Franklin, WV 26807
304-358-2322

Location:

Franklin, WV

Project Manager:

Lee Gustafson, AIA
304-669-5936
lgustafson@thrashereng.com

Project Type/Size:

New Roof

- Heating
- Ventilation
- Air Conditioning

Project Goals/Objectives:

The main goal for this project was to complete the roof project without disturbing the day-to-day activities in the nursing home. This was accomplished through strategic planning and schedule development.

Harrison County EMS Past Projects



Owner:

Harrison County EMS
Mr. Rick Rock, Director
660 Oakmound Rd.
Clarksburg, WV 26301
304-623-6611
info@harrcoems.org

Location:

Clarksburg, WV

Project Manager:

Jeff Roberts
304-918-4131
jroberts@thrashereng.com

Project Type/Size:

Building Renovation
20,000 SF

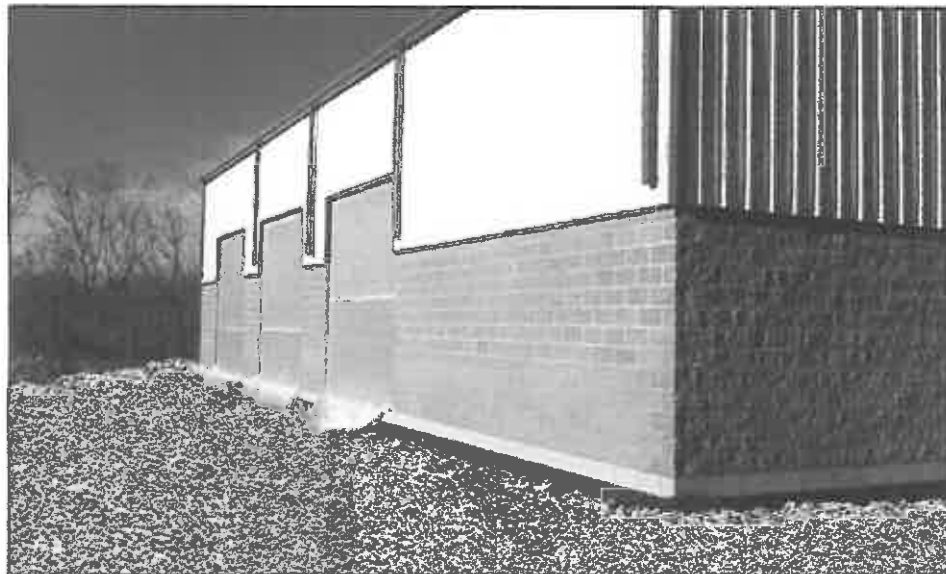
- New Emergency Vehicle Garage
- Office and Conference Space
- Sleeping Corridors
- Recreational Space

Project Goals/Objectives:

The objectives within this project were to renovate the space to accommodate overnight employees as well as a functional garage with meeting areas.

Doddridge County Bus Garage

Past Projects



Owner

Doddridge County Board of Education
Mr. Denver Burnside
103 Sistersville Pike
West Union, WV 26456
304-873-2000

Location:

West Union, WV

Project Manager:

Craig Baker, CEFP
304-669-3022
cbaker@thrashereng.com

Project Type/Size:

Pre-Engineered Metal Building
6,000 SF

- 3 Drive-Thru Bays
- 1 Mechanic Pit
- Air Conditioned Offices
- Restrooms
- Storage Area

Project Goals/Objectives:

The main goal of this project was to construct a bus garage that was functional, and to design the site plan so that it was easily accessible in the winter months.

Lumberport Volunteer Fire Department Past Projects



Owner

Lumberport Volunteer Fire
Department

Mr. Tim Ankrom, Chief

PO Box 33, Main Street

Lumberport, WV 26386

304-584-4721

Location:

Lumberport, WV

Project Manager:

Craig Baker, CEFP

304-669-3022

cbaker@thrashereng.com

Project Type/Size:

New Building

6,260 SF

- 2 Stall Emergency Vehicle Garage
- Community Room
- Equipment Storage
- Sleeping Corridors
- Office Space

Project Goals/Objectives:

The main goal of this project was the make the VFD more user friendly for the staff that spends long hours at the building. This was accomplished through strategic space planning.

Clarksburg Water Board Roof Replacement Past Projects



Owner

Clarksburg Water Board
Mr. Richard Welch, President
1001 South Chestnut Street
Clarksburg, WV 26301
304-623-3711

Location:

Clarksburg, WV

Project Manager:

Lee Gustafson, AIA
304-669-5936
lgustafson@thrashereng.com

Project Type/Size:

4 buildings within project
32,000 SF Total of Roof Replacement

- ballasted EPDM rubber roofing

Project Goals/Objectives:

The Water Board needed a complete roof replacement on all 4 of their buildings. The goal was to design and bid a complete ballasted roof replacement. Thrasher's objective was to re-use as much of the existing rock ballast as possible to cut down on cost.

Grafton Housing Authority Past Projects

In 2015, Thrasher was hired by the Grafton Housing Authority to complete a roof replacement on the Elizabeth Cather Towers. Initially, Thrasher did a complete site investigation of the existing roof to take core samples in different locations to determine the makeup of the roof. At that time, Thrasher also did field dimensions of the existing roof to begin developing drawings. The team then prepared both demolition and construction drawings and project specifications.

Ultimately, Thrasher completed the design and bidding and helped the Grafton Housing Authority hire a contractor that removed the entire 12,000 SF roof down to the existing concrete deck and replaced it with a fully adhered EPDM roof over tapered insulation.



Contact:

Grafton Housing Authority
Mr. Frank Mayle, Executive Director
131 East Main Street
Grafton, WV 26354
304-265-1045

Location:

Grafton, WV

Project Manager:

Craig Baker, CEFP
304-669-3022
cbaker@thrashereng.com

Project Type/Size:

Roof Replacement
12,000 SF
• EPDM roofing

Project Goals/Objectives:

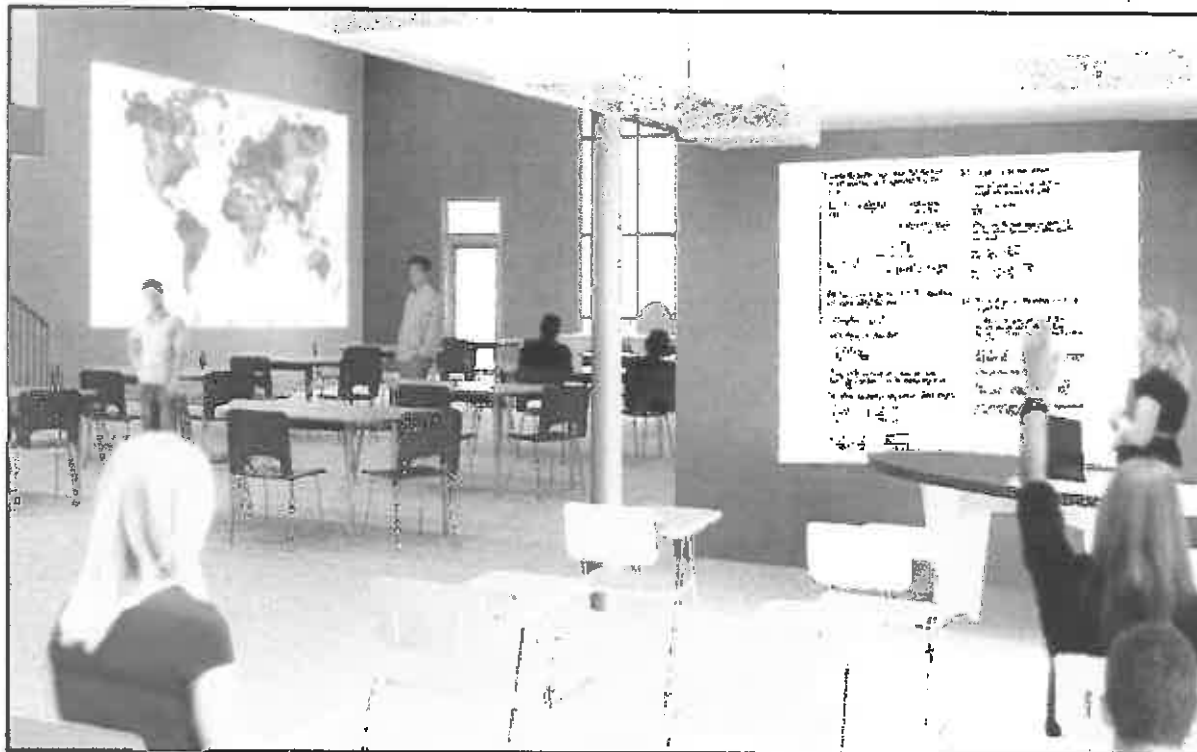
This project required the Thrasher team to do a complete roof investigation to determine the makeup of the old roof before being able to design the new roof.

Barbour County Career & Technical College

Past Projects

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 rolling garage doors, 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.



Contact:

Barbour County BOE
Mr. Joseph Super, Superintendent
105 South Railroad Street
Philippi, WV 26416
304-457-3030

Location:

Philippi, WV

Project Manager:

Craig Baker, CEFP
304-669-3022
cbaker@thrashereng.com

Project Type/Size:

Building Renovation and Upgrades

- Garage door replacement
- HVAC replacement
- Ceiling tile and floor replacement

Project Goals/Objectives:

The main goal of this renovation project was to complete on schedule so as not to disrupt classes in the facility. This was accomplished through meticulous scheduling by 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



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



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

INTERIOR DESIGN

Thrasher offers a broad range of interior design services to meet the needs of each project. Our interior design staff specializes in taking your space from average to spectacular. We take time to listen to our clients and learn what type of vision they have for their space. If visualization isn't your strong suit, our designers will come up with multiple schemes for you to choose from to ensure we give you a space you can be proud of.

Whether you prefer bright and bold or more traditional type finishes, our team is sure to come up with a design that works for you. All of our designs utilize environmentally friendly materials, but if you prefer to obtain LEED certification, our interior design team holds the esteemed LEED certified interiors accreditation. No matter whether your interior design needs are large or small, our team of professionals will be there to guide you every step of the way.

INTERIOR DESIGN EXPERTISE:

- Tenant Fit-Outs
- 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



THRASHER

SITE DEVELOPMENT

SITE DEVELOPMENT

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

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

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

SITE DEVELOPMENT EXPERTISE:

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

STORMWATER SYSTEMS

Ever-increasing regulations and a renewed focus on downstream effects are pushing stormwater management issues to the forefront. Working with an experienced stormwater consultant like Thrasher gives municipalities and private clients innovative and cost-effective solutions to stormwater management issues.

Our complete system approach means that we gain a full understanding of our clients' needs and can incorporate specialized project management expertise to achieve a smooth, seamless design. Thrasher has a long and successful history of working with public utility clients and private developers to find sustainable and innovative solutions to stormwater management issues.

STORMWATER MANAGEMENT EXPERTISE:

- Municipal Separate Storm Sewer Systems (MS4) Consulting and Compliance
- Design of Pipeline, Channels and Culverts
- Detention Pond Design
- Erosion and Sediment Control Plans
- Underground Storage/Injection Wells
- NPDES Permitting and Compliance
- Watershed and Flood Studies
- HEC-RAS Stream Modeling
- Best Management Practices (BMP) Evaluation and Design
- Geographic Information Systems (GIS)
- Bio-Retention Systems



THRASHER SURVEY

SURVEY

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.

GENERAL SURVEY SERVICES:

- Large-scale Boundary Work
- Topographic Survey and Mapping
- ALTA/ACSM Survey and Mapping
- Lake and River Soundings
- Accident Reconstruction Survey and 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

GPS SURVEYS:

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

ROUTE LOCATION SURVEYS:

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

COAL AND ENERGY SURVEYS:

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

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