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Don't Take Our Word  
For It  
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02/27/13 09:21:40 AM  
West Virginia Purchasing Division

**THRASHER**  
ENGINEERING + ARCHITECTURE

EXPRESSION OF INTEREST &  
STATEMENT OF QUALIFICATIONS

PROVIDE ENGINEERING / ARCHITECTURAL SERVICES  
FOR WV LOTTERY COMMISSION BUILDING RENOVATION

PREPARED FOR THE  
**WEST VIRGINIA DEPARTMENT OF PURCHASING**

February 27, 2013

West Virginia Department of Administration  
Purchasing Division  
Attention Ms. Connie Oswald  
2019 Washington Street, East  
P. O. Box 50130  
Charleston, WV 25305

**RE: *Statement of Qualifications to Provide Architectural / Engineering Services***

Dear Ms. Oswald:

Thrasher Engineering, Inc. (Thrasher) appreciates the opportunity to submit our qualifications to provide architectural / engineering services for renovation of the West Virginia Lottery Building. We are confident that our experience with similar projects will be of great benefit in completing your projects in a cost effective and cost efficient manner.

The Thrasher architectural team brings the following qualifications to your project:

❑ ***Experience***

The architectural staff of Thrasher offers over forty years of architectural design experience. We have provided design for new and renovated facilities for various types of office projects, fire departments, community centers and are aware of the specific needs for these projects. Our abilities in this area are demonstrated in the Successful Projects section of this proposal.

❑ ***Engineering Approach to Architecture.***

Our approach to architecture is different from that of most architecture firms: we take an engineering approach to your project. Our designs are aesthetically pleasing, but we focus on maintainability and functionality and most importantly we focus on design that meets the budgetary requirements of our clients. Our track record of accurately estimating construction costs is one of the strongest reasons we have repeat customers and long-term relationships with our clients. Through good design and careful estimating, we save our clients time and money.

❑ ***Full Service under Single Management.***

Thrasher will be teaming Wendel for all Mechanical-Electrical-Plumbing associated with this renovation, specifically for the infrared scanning of electrical components. However, we will oversee all facets of this work as if it were a part of our internal design.

- **Priority:** The architectural division of Thrasher is a young and growing one. Our current work load will allow us to place your project as a priority and meet the deadlines required.

Above these qualifications, we believe our reputation is of most importance. Our commitment to our clients is the key to our success. We recognize that our reputation is built on successful projects, and that successful projects often require attention from the beginning stages until long after the contractor has finished. The Thrasher team is committed to being there every step of the way.

Enclosed please find our qualifications statement which outlines our expertise and experience in projects similar to yours. We look forward to the opportunity to meet with you to discuss how we can contribute to the success of the West Virginia Lottery's project.

Sincerely,

A handwritten signature in cursive script, appearing to read 'C. Baker', written in dark ink.

CRAIG BAKER, ASSOCIATE AIA  
Thrasher Engineering, Inc.

# *in this proposal...*

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*Visit the "out to bid" section of Thrasher's website - [www.thrashereng.com](http://www.thrashereng.com). When your project goes to bid, contractors throughout the Mid-Atlantic area will be informed. We actively pursue bidders, bringing more competition and a better bidding scenario for you.*



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# *executive summary*

## **Keys To Success**

The West Virginia State Purchasing Division is requesting engineering and architectural services for the West Virginia Lottery Headquarters Building located in Charleston, West Virginia.

To respond to the Expression of Interest, the following outlines the “Key’s To Success” for your project.

There is no other West Virginia architectural and engineering firm that can surpass Thrasher Engineering, Inc. (Thrasher) in quality of service and technical ability. These two items are paramount in guaranteeing success for your renovation project.

### **We are Dependable**

Performing on-time and on-budget is essential to client satisfaction. Our team knows the importance of performing to meet the client’s schedule. Many of our current building projects are nearing the construction phase, allowing us to start planning your project immediately. The WV Lottery Headquarters is a priority to the Thrasher team.

### **Communication Vital To Success**

Whether meeting with the project representatives or members of the Lottery Commission we strive to keep everyone informed every step of the way. Our goal is to make this process as easy as possible for the Lottery. Direct communication with all project representatives will ensure your project meets and exceeds your specifications.

## **Well Equipped to Take On the Project**

With offices throughout West Virginia, Maryland, Ohio and Virginia, the Thrasher staff has experience to get your job done. Our management and employee total 230 people in varying disciplines ranging from engineering, architecture, survey, construction management, construction estimating and materials testing. Regardless of our work load, we can put the necessary personnel and equipment on the job to ensure the project is completed correctly.

## **Single Source Management**

After reviewing the Lottery’s plans, we have developed a team that will bring the best service possible to the success of the project. Our plan is to team with Wendel, for any Mechanical- Electrical - Plumbing (MEP) engineering. Wendel will also handle all infrared scanning of electrical components for the project. With this partnership, you can be assured that all services will be managed by Thrasher personnel. Your project will be under the watchful eye of Craig Baker, Thrasher’s Project Manager and Principal-in-Charge.





# *executive summary*

## **Practices**

Our philosophy is to take “an engineering approach to architecture.” This allows us to apply detailed aspects of engineering to your chosen architectural design. Many architects focus on aesthetics, while Thrasher focuses on site visits and providing contact management to the project. We vow to keep communication and project updates (via phone and e-mail) on a daily basis to ensure all work is performed.

## **Strategy**

Thrasher has completed that are similar project and we are familiar with the budget process. Our experience aids us in anticipating obstacles, planning ahead and more importantly paying attention to the construction market when bidding a project.

## **Why is Thrasher the Right Choice?**

- Our “engineering approach to architecture”.***
- Our “single source management” philosophy.***
- We Celebrate Your Victory.*** Thrasher knows the value of hard work and dedication to the success of a project.

Thrasher Engineering, Inc. has put together an experienced team that will follow the wishes of the Lottery and make this project a reality. With decades of experience in architectural design, including dozens of renovation projects, we are the right choice for your project.



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# *successful projects*

## **West Virginia Board of Pharmacy**

Working with the West Virginia Department of Administration, Purchasing Division, Thrasher completed plans for the conversion of a private residence into a functional office setting. Upgrades will include ADA access, Life Safety upgrades, emergency egress, window and door replacements and roofing replacements. Thrasher's services included planning, designing and construction administration for the West Virginia Board of Pharmacy.

**CLIENT:** West Virginia Board of Pharmacy

**ADDRESS:** 2310 Kanawha Boulevard, East  
Charleston, WV 25301

**PHONE:** (304) 558-0558

**PROJECT LOCATION:** Kanawha County, WV

**STATUS:** Design Phase





# successful projects

## 'Renovations planned at Health Department'

The Marion County Health Department purchased a building from the City of Fairmont to house their new facility. The 24,000 SF, 3-story building received a complete renovation. The Health Department has exam rooms, waiting room and record storage all

*"We're going to do a 100-percent remodel."*

*- Lloyd White*

housed on the first floor. The second floor consists of administrative offices. The third floor is currently rented as private office space. Included in the renovation was all new HVAC and complete electrical

renovations. This electrical component included: lighting, switches, outlets and other miscellaneous items.

An addition to the 3-story building was added, which serves as the waiting room, egress stair tower and elevator.

The Thrasher architectural team worked closely with the Health Department staff to ensure that this project was completed on schedule. The Health department renovation project was completed of July of 2012.

**CLIENT: Marion County Health Department**

**CONTACT NAME: Lloyd White, Director**

**ADDRESS: 300 2nd Street**

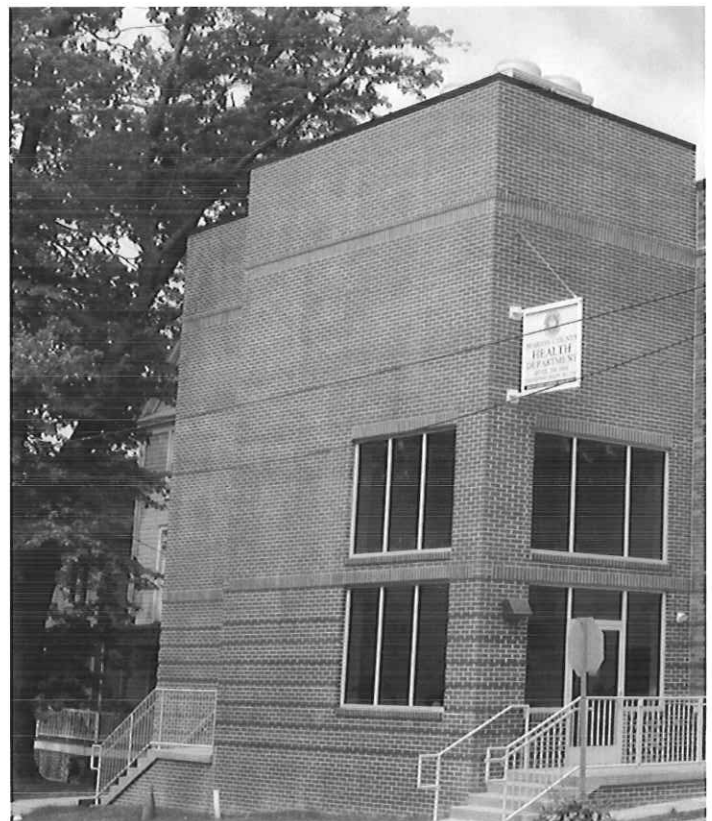
**Fairmont, WV 26554**

**PHONE : 304-366-3360**

**CONSTRUCTION ESTIMATE: \$1,500,000.00**

**LOW BID: \$1,638,000.00**

**STATUS: Complete**





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# *successful projects*



**CLIENT:** White Oaks Professional Buildings, LLC.

**CONTACT NAME:** Mr. Jack Keeley

**ADDRESS:** P. O. Box 1532

Clarksburg, WV 26301

**PHONE:** 304-626-5099

**STATUS:** Complete

## **Nothing but Professional**

As part of the White Oaks Business Park located in Bridgeport, West Virginia Thrasher Engineering designed, planned and provided project coordination to the High Tech Corridor Development. Currently there are five Professional Office Buildings at the business park, the follow is a brief description of the specs for each of these buildings.

- Professional Building #1 – 10,000SF, occupied by EQT. The layout consists of perimeter offices and interior cubicles to provide an open layout concept. A full kitchen, large restrooms and a Data/server room are also included.
- Professional Building #2 – 10,000 SF, occupied by UHC Urology. The layout consists of Doctor's offices, accounting offices, billing offices, exam rooms, procedure rooms, waiting rooms, etc.
- Professional Building #3 – 5,000 SF, occupied by Alleghany Science and Technology. The layout consists of perimeter offices and interior cubicles to provide and open layout concept. A small kitchen, men's and women's restrooms and a Data/server room are also included.

- Professional Building #4 - 10,000SF, occupied by EQT. The layout consists of perimeter offices and interior cubicles to provide and open layout concept. A full kitchen, large restrooms and a Data/server room are also included.

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# successful projects



## Rahall Technology Building

Thrasher Engineering, Inc. was retained by the Pinecrest Development Corporations to complete site development, engineering and architectural design. The oversight of design of electrical, plumbing and mechanical was included. Thrasher Engineering also provided design and construction management for curbs, sidewalks, a parking area, access road and landscaped are also included in the scope of services for this project.

- Roofing: Standing Seam Metal
- 10,000 square foot building
- One-story brick building with an aluminum-glass curtain wall
- Interior partitions use wood frame and drywall. Interior finishes included carpet, flooring, paint and wall coverings and trim.

**CLIENT:** Pinecrest Development Corporation

**CONTACT NAME:** Mr. Bill Baker

**ADDRESS:** 200 Main Street  
Beckley, WV 25801

**PHONE:** 304-929-2010

**CONSTRUCTION COST:** \$1,832,000.00

**FUNDING:** US Department of Commerce  
Economic Development Council

**STATUS:** Complete



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# *successful projects*

## **Southview Centre**

The Southview Centre is a 40,000 SF, four story class A office building .

This building is constructed of brick veneer and metal panels which provides a nice contrast of materials. The buildings top two floors are being occupied by Percheron while the remaining two floors are available for leasing. The interior of the building is complete with two elevators, ceramic tile, wood crown and chair molding, as well as a state of the art heating and cooling system.

**CLIENT:** Southview Centre, LLC.

**CONTACT NAME:** Mr. Jack Keeley

**ADDRESS:** P. O. Box 1532

Clarksburg, WV 26301

**PHONE:** 304-626-5099

**CONSTRUCTION COST:** \$7,200,000.00

**STATUS:** Complete August 2012



# successful projects



## McDowell County Courthouse

Thrasher Engineering was hired by the McDowell County Commission in 2011 to complete an electrical upgrade to the county courthouse located in Welch, West Virginia. The electrical work was a complete redo of the electrical service, switches, outlets and lighting throughout the courthouse.

**CLIENT:** McDowell County Commission

**CONTACT:** B.G. Smith

**ADDRESS:** 109 Wyoming Street

Welch, WV 24801

**LOCATION:** McDowell County, West Virginia

**PHONE:** (304) 436-8348

**STATUS:** Complete

**CLIENT:** Taylor County Commission

**CONTACT:** Rusty Efaw, President

**ADDRESS:** 214 West Main Street

Grafton, WV 26354

**PHONE:** (304) 265-1401

**LOCATION:** Taylor County, West Virginia

**STATUS:** On-Going

## Taylor County Courthouse

The Thrasher Architecture team has completed several upgrades and enhancements to the Taylor County Courthouse over the past two years. Thrasher has completed a complete electric upgrade to the existing courthouse that included service, switches, outlets and lighting.



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# *repeat clientele*

**Judy Radford**  
**Executive Director**  
**New River Gorge Regional**  
**Development Authority**  
**Beckley, WV**  
**Phone: 304-254-8115**

**Will Chapman**  
**McDowell County Schools**  
**30 Central Avenue**  
**Welch, WV**  
**Phone: 304-436-8411**

**Bill Hannabass**  
**City of Oak Hill**  
**100 Kelly Avenue**  
**Oak Hill, West Virginia 25901**  
**304-469-9541**

**Warren Green**  
**Dominion**  
**445 West Main Street**  
**Clarksburg, WV 26301**  
**Phone: 304-669-4360**

**Jack Keeley**  
**High Tech Development**  
**Clarksburg, WV**  
**Phone: 304-626-5099**

"We have been working with Thrasher for nearly 5 years on various projects including South Fork Crossing, River Bend Gardens, and our new project in Greenbrier County called Summer Elms. We highly appreciate and value Thrasher's comprehensive and one stop shopping services.

We first started working with Thrasher while we were finishing up the infrastructure at South Fork Crossing. The engineering firm that started with us on the project lost two of their project engineers and were unable to fulfill their contract with us. Thrasher came to our rescue and were able to accomplish the unenviable task of taking over from someone else's work. I know that it was a challenging situation, but they did it with grace and thoroughness, including helping us to hold a subcontractor or two accountable for call back items.

Since then, Thrasher has become a valued partner with us in constructing the best quality infrastructure and construction projects possible. I feel like they are an extension of our staff and help us to produce 'first fruits' for the families that we serve. It is difficult to put a value on having an engineering firm that really understands what we are trying to accomplish instead of just seeing us as though we are just another project.

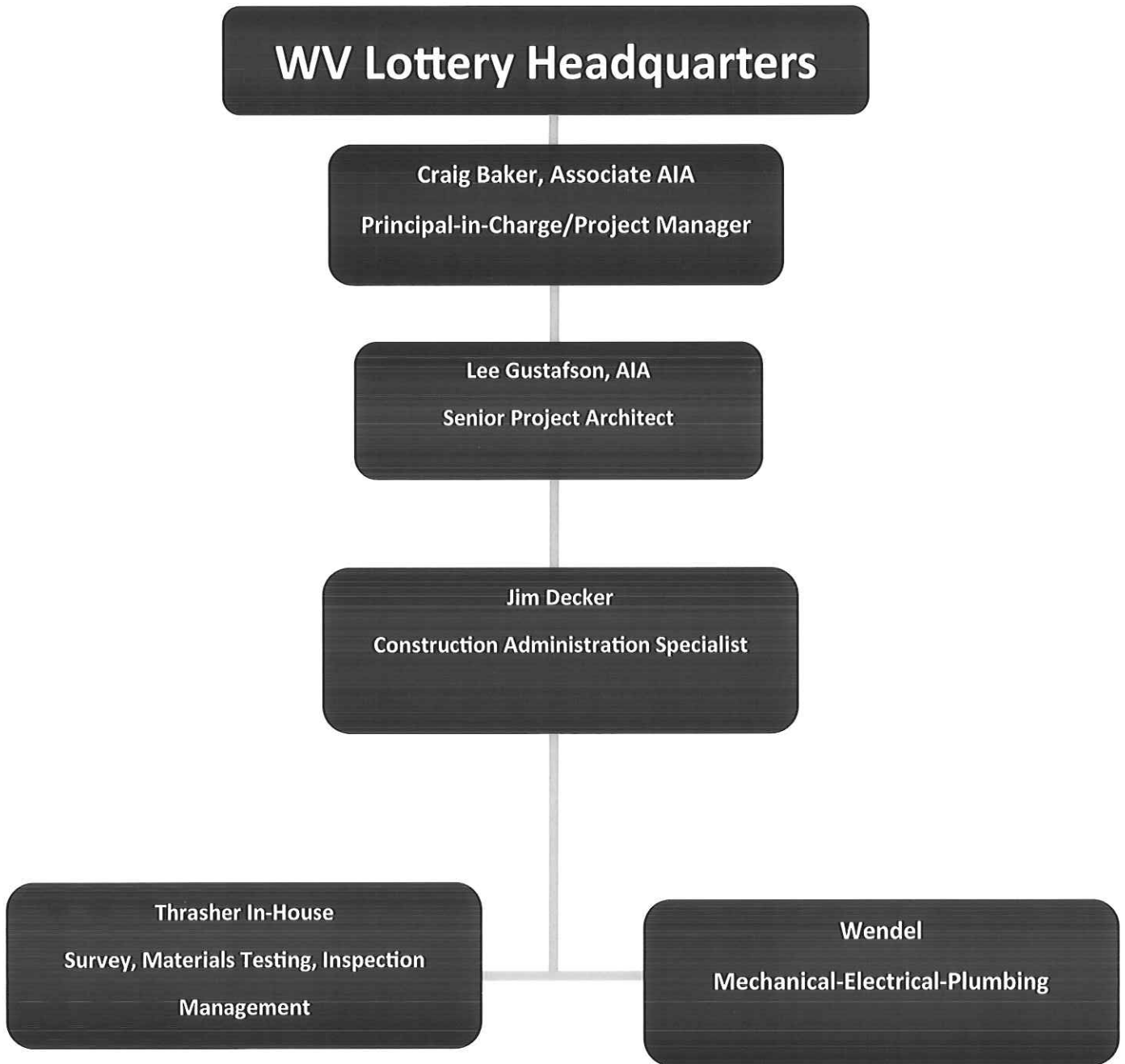
Of extraordinary note, no relationship is perfect and we have all make mistakes, but even when challenges arose with a project, the team at Thrasher takes responsibility and makes it right instead of making excuses. I believe that this is unique and distinctive to their company's culture. Thrasher has a solid reputation and a trail of both great projects and satisfied customers, which does not happen by accident.

As a member of the community and a mother of many J, I want to see the new schools that are built to serve both my children and grandchildren, be the best quality learning environments possible and I believe that Thrasher Engineering can help to accomplish that goal."

-Michelle L. Connor, Executive Director  
Almost Heaven Habitat for Humanity  
Franklin, WV



# meet the team



# Craig M. Baker, Associate AIA

## Partner / Principal-In-Charge

**C**raig M. Baker, Associate AIA joined Thrasher Engineering, Inc. in 2005, following six years of experience with other firms. He was named partner in 2012. Mr. Baker's experience lies in educational facilities, sports complexes, office buildings, city government buildings, residences, medical facilities and restaurants. Mr. Baker has expertise in all CADD and BIM design programs relative to architecture.

Mr. Baker is currently, or has served as Project Manager for numerous public and private architectural projects throughout the State of West Virginia. He holds responsibility for client communication, scheduling, construction document preparation, bidding, construction management and contract administration.

### Highlighted Experience

- ❑ **Progress Centre at White Oaks**—Harrison County, WV. Mr. Baker served as Project Manager on the 23,000 SF, two story, Class A Office Building. All masonry construction complete with elevator and finished common area with slate tile and wood crown and chair molding. The modernly secure facility is equipped with card reader systems at all entrances points.
- ❑ **Progress Centre 2 at White Oaks**—Harrison County, WV. Mr. Baker served as Lead Designer and Project Manger for the 30,000 SF, three story Class A Office Building located in the White Oaks Business Park. This building is number two of three commercial office buildings in the development. Scheduled Completion December, 2012. Estimated Cost: \$5,000,000.00



### Education:

Bachelors of Science, Architectural Engineering—Fairmont State University

### Affiliations:

American Institute of Architects—Associate, State of West Virginia  
Member of Council of Educational Facilities Planners International

- ❑ **Rahall Center at the Woodlands**—Raleigh County, WV. Mr. Baker served as Project Manager for the 10,000 SF office building in the Woodlands Business Park. Designed with capturing the sites panoramic views in mind. The building perimeter walls are 90% glass with the building main feature being the front and rear walls, composed of an approximately 110 foot span of continuous curved glass curtain wall. The building materials include brick and cut stone with limestone accents and standing seam metal roof.

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# ■ ■ ■ ■ Craig Baker, Associate AIA

## Continued

- ❑ **Dominion Gas Building**—Mr. Baker served as Project Manger for the 19,000, one story office building equipped with private offices, large scale conference rooms and training facilities. The building is a split faced block construction with asphalt architectural shingle roof.
- ❑ **Southview Center at White Oaks**—Harrison County, WV. Mr. Baker served as Lead Designer and Project Manager for the 40,000 SF, four story Class A Office Building located within the White Oaks Business Park. The facility was on an accelerated schedule and was completed in approximately eight months.
- ❑ **Mason Dixon Energy Fit-out**—Harrison County, WV. Mr. Baker served as Lead Designer and Project Manger for the interior fit-out of the 20,000 SF, Class A Office Building located within the Southview Center at White Oaks Business Park. The space consisted of offices, conference rooms, training rooms and cubicle space. Construction Cost: \$1,100,000.00
- ❑ **Dominion Natrium Project**—Marshall County, WV. Mr. Baker served as Project Manger for the construction of six new buildings on Dominion's new gas separation site located in Natrium, WV. The buildings consist of an administration building, a laboratory, a warehouse, a storage building and two loader buildings. This was a unique project because of the challenge of the production plant being constructed at the same time. At any given time there was as many as 250 people working on the site. Construction Cost: \$2,100,000.00
- ❑ **Dominion Goshen Road Project**—Monongalia County, WV. Mr. Baker served as Lead Designer for the construction of a new 15,00SF office building for the Dominion Transmission to house their Morgantown and Fairmont operations. Thrasher Engineering also serves as the developer and general contractor for this facility. It was built as a turnkey project. Construction Cost: \$2,250,000.00
- ❑ **Fairmont State University, Library Elevator and Renovations**—Marion County, WV. Mr. Baker served as Lead Designer for the construction of a new elevator to connect an upper level parking lot to the courtyard adjacent to the library. The project also included a footbridge and covered walkway to adjoin the elevator to the existing breezeway on the library. Existing concrete awnings on the library were covered with a metal fascia and plaster inside the library was repaired. Construction Cost: \$1,100,000.00
- ❑ **West Virginia Board of Pharmacy Office Renovations**—Kanawha County, WV. Mr. Baker served as Project Manager for the renovation of a private residence on Kanawha Boulevard for the new West Virginia Board of Pharmacy Offices. Unique challenges to this project included conversion of the space into a commercial office space that meets all of today's codes and standards. Construction Cost: \$350,000.00
- ❑ **Marion County Health Department**—Marion County, WV. Mr. Baker served as Project Manager for the complete renovation of the circa 1920's structure. The project consisted of a complete interior gut and replacement of all interior finishes, HVAC, doors, etc. a complete electrical upgrade was also required. A new egress stair well, waiting room and elevator was also added to the project. Exterior work included patching all cracks, ADA ramp additions and door replacements. Construction Cost: \$1,600,000.00
- ❑ **City of Oak Hill Police Station**—Mr. Baker served as Project Manger for the 6,300 SF police station facility with offices, family court room, training room and holding cell area. The station is equipped with a two stall sally port. Construction Cost: \$1,400,000.00



# Lee O. Gustafson, AIA

## Senior Project Architect

**L**ee O. Gustafson joined Thrasher Engineering in 2010 after previously owning and operating a sole-proprietorship for 21 years. Mr. Gustafson specializes in design and architectural management in a wide variety of areas. He brings over thirty years of experience in healthcare, government and community facilities, athletic facilities, senior centers, educational facilities, apartment complexes, religious buildings, industrial facilities, office buildings and structures associated with Thrasher Engineering's site development projects.

A graduate of the University of Cincinnati, Mr. Gustafson brings over thirty years of experience to the Thrasher team and began his career in West Virginia designing and managing projects throughout the state.

Mr. Gustafson is an active member of the community in Harrison County, sitting on the Genesis Youth Center Board, a member of the Clarksburg Rotary Club., and is a past member of the Clarksburg Housing Authority, Clarksburg Municipal Building Commission and the Allihak Council of the Boy Scouts of America.

### Highlighted Experience

- ❑ **Lumberport Volunteer Fire Department** - A one story, split faced block and wood framed roof Fire Station including 2,800 SF Apparatus Bay, Community/Recreation Room, Bunk/Locker/Shower Room, Cascade Tank Room, Kitchen, Restrooms and Offices. 6,260 SF Cost \$310,000.00
- ❑ **Clarksburg Baptist Church (Clarksburg, WV)** - "Nannie Monroe" two story classroom and office addition with connecting atrium and five stop



### Education:

University of Cincinnati—Bachelor of Science—  
Architecture

### Registrations:

American Institute of Architects (AIA) - State of West Virginia  
American Institute of Architects (AIA) - State of Maryland  
American Institute of Architects (AIA) - State of Pennsylvania  
Certification, National Council of Architectural Registration

### Affiliations/ Awards:

West Virginia Society of Architects  
AIA Committee on Architecture for Education  
AIA Committee on Architecture for Health Care  
AIA Committee on Architecture for Justice  
SHPO Listed and Approved for Historic Preservation Work  
Genesis Youth Center Board Member  
Clarksburg Rotary

elevator connection between the historic church and new addition. Addition was designed with brick detailing to complement the existing historic structure which is a prominent church in the downtown Clarksburg historic district. 9,744 SF plus Full Basement and 1,800 SF of connecting spaces Cost \$1,800,000.00

## Continued

- ❑ **Rahall Center at the Woodlands** – Office building designed with capturing the sites panoramic views in mind. The building perimeter walls are 90% glass with the building’s main feature being the front and rear walls being composed of an approximately 110’ span of continuous curved glass curtain wall. Building materials were brick and natural stone with limestone accents and a standing seam metal roof. 10,000 SF Completed 10/2007 Cost \$1,700,000.00
- ❑ **Glenville State Convocation Center (Glenville, WV)** – Completed schematic designs for a facility which will house a 5,000 seat basketball arena, hall of fame museum, locker rooms, study facilities, film rooms, classrooms and a medical center. A separate intramural practice facility was also included. Estimated Cost \$25,000,000.00
- ❑ **Shenandoah Office Park (Martinsburg, WV)**- Two multi-story office buildings; Two story MVB bank building occupying 75% of the first floor. 20,000 SF Completed 2007; Three story office building in schematic design phase. 30,000 SF; The buildings are designed with white brick, a green roof and window theme to distinguish the park from the traditional red brick used in the historic areas. Site design and landscaping have been recognized for trend setting concepts in storm water management.
- ❑ **MVB Bank and Office Building (Fairmont, WV)**- One story office building that serves as the company’s corporate headquarters. The office building also includes a four lane drive thru. 7,000 SF
- ❑ **MVB (Bridgeport, WV)** –Two story building with basement, vaults, elevator, and three lane drive thru. 10,000 SF Complete 5/2005 Cost \$1,200,000.00
- ❑ **Heritage Square Office Complex (Clarksburg, WV)** Heritage Bank (now Wesbanco) three stories, 21,000 SF, CWV Tel Federal Credit Union, Dr. DeMarino Optometry Building. All buildings are designed with a split faced block exterior, aluminum windows and storefronts, and standing seam metal roofing to maintain a uniform design theme. Cost \$1,260,000.00
- ❑ **Morgantown AES Federal Credit Union (Morgantown, WV)** – A banking facility consisting of private offices, board rooms, meeting rooms, a three lane drive thru with a separate ATM lane, 5,500 SF Completed 6/2009  
Cost \$1,300,000.00
- ❑ **Horizons Church Phases 1 & 2** – SF addition to the Church building. Building to include a multi-purpose gymnasium, kitchen, and food pantry as well as a two story section to house classrooms and youth facilities. Family Life Center Completed 8/2010
- ❑ **Clarksburg Publishing Company** – An addition to the historic Exponent Telegram building for the new climate controlled high speed press room and paper storage warehouse, computer control room, offices, meeting room and circulation department including conveyors, folders, sorters and loading dock distribution. 8,400 SF  
Cost \$750,000.00
- ❑ **Dominion Goshen Road**—16,000 SF metal building to be home to Dominion Inc. This building is all steel construction with interior build-out for their administrative and warehouse areas from their shops at existing Fairmont and Morgantown locations. Cost = \$4,000,000.00
- ❑ **Oliverio Pepper Plant**—13,000 SF metal building to house the new pepper plant. This building is steel and masonry construction with freezer / cooler capacity to triple their volume in production. This is a state-of-the-art steam controlled production line in which everything has been automated. Cost = \$1,300,000.00

# James B. Decker

## Construction Administration Specialist

James B. Decker joined Thrasher Engineering, Inc. in 2012, bringing the firm ten previous years of experience as Construction Manager and Facilities Director at Fairmont State University. Mr. Decker is based in the Clarksburg, West Virginia office, which will allow for communication with the architectural team on a daily basis. He is responsible for inspections, monitoring, time and cost control, schedules, contract administration, payment processing, shop and coordination drawings, change orders and project reports for the architectural department. Mr. Decker's project types include: commercial offices, education, religious, banking, manufacturing, prisons and military.

Mr. Decker is also a licensed General Contractor in the State of West Virginia.

### Highlighted Experience

- ❑ **White Oaks Business Park**—Harrison County, WV. Mr. Decker served as construction administrator for the new Southview Center Building.
- ❑ **Marion County Health Department Renovations**—Marion County, WV. Mr. Decker served as construction administrator for the renovation of an existing three-story building and new stair tower and elevator addition for the new home of the Marion County Health Department. The existing building renovation area will house: multiple offices, nurses station, exam rooms, labs, restrooms and conference room.
- ❑ **White Oaks Business Park**—Harrison County, WV. Mr. Decker served as construction administrator for the new Professional Building V.
- ❑ **Fairmont State University Projects**—Marion County, WV.—Duvall-Rosier Field Synthetic Turf, Feaster Center Addition and Renovation, Bryant Place Dormitory—400



### Education:

MBA, Project Management Emphasis, 2008—Fairmont State University

Bachelor of Science, Civil Engineering Technology—Fairmont State University

Associates Degree, Mechanical Engineering Technology—Fairmont State University

### Certifications:

State of West Virginia - General Contractor

### Affiliations:

Leadership Marion County

Leadership Fairmont State University

Eagle Scout, B.S.A, 1981

Cub Scouts & Boy Scouts of America

City of Fairmont, BOCA Board of Appeals

Water Commissioner.

Paul United Methodist Church—Pastor Parish Relations, Building Committee, Trustees

bed suite style student housing, 950 Car Parking Garage, Engineering Building Addition and Renovations, Library Addition and Renovation, Student Recreation Center Renovation and Falcon Student Center

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## Dominic Insinna, CEM, LEED AP

### Senior Energy Engineer

*With over 18 years of experience, Mr. Insinna has been responsible for managing the development, design and implementation of energy conservation projects. His responsibilities have included conducting facility audits to determine if inefficiencies existed, determining suitable replacements, estimating construction costs and applicable energy savings to determine payback periods, and preparing final reports and presentations. In addition, Mr. Insinna has developed measurement and verification plans and equipment and labor specifications, managed the preparation of construction documents, conducted bidding of direct construction work, managed construction, performed commissioning services, and maintained all technical and financial documentation relative to installation work.*

#### SELECT PROJECT EXPERIENCE

**Cortland County, Cortland, NY** – comprehensive energy audit involving upgrades to lighting and controls, building envelope improvements, and HVAC upgrades

**Orleans County, Albion, NY** - energy evaluation, design and construction management of energy upgrades to multiple buildings. Upgrades included; lighting retrofits, building envelope improvements, burner upgrades, system commissioning, EMS upgrades, domestic hot water replacement, jail repairs & upgrades

**Genesee County, Batavia, NY** - energy evaluation, design and construction management of boiler upgrades, pumping systems, energy management system upgrades, retro-commissioning, lighting and control upgrades, building envelope improvements

**City of Beacon, Beacon, NY** – energy performance contract, comprehensive energy audit for Water Treatment Plant, Wastewater Treatment Plant and at various municipal buildings involving lighting, HVAC and building envelope improvements, pump and motor upgrades, belt press and polymer upgrades, and hydro-turbines.

**Town of Webster, Webster, NY** – energy performance contract, proposal through construction involving replacement of digester covers to recover methane gas and upgrade of Effluent pump at the Wastewater Treatment, as well as lighting system upgrades at the Town Hall, Library, and Highway Garage

**Town of Grand Island Performance Contract, Grand Island, NY** – energy performance contract, proposal through construction involving town-wide replacement of water meters and installation of automatic reading devices; upgrades to the aeration blower, mixers, and influent pump at the Wastewater Treatment Plant; pump, motor and controls upgrades at the Water Treatment Plant and remote pump stations; window replacements at the Town Hall; as well as town-wide lighting system upgrades

**Town of Babylon Performance Contract, Babylon, NY** – energy performance contract, proposal through construction involving town-wide upgrades of lighting & controls, street lighting upgrades, chiller replacements, DDC Energy Management System, Boiler replacements, building envelope improvements, ball park lighting

#### ASSOCIATE PRINCIPAL

#### CERTIFICATIONS

Certified Energy Manager (CEM)

Certified Energy Auditor (CEA)

LEED Accredited Professional

#### EDUCATION

BS, Industrial Engineering, Rochester Institute of Technology

AS, Engineering Science, Erie Community College

#### ADDITIONAL TRAINING

ITT Water & Wastewater Pumping System Design

#### AFFILIATIONS

Association of Energy Engineers

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## Richard J. Polak, CCP, CEM, LEED AP

### Mechanical and Energy Engineer

*Mr. Polak's 17 years of engineering experience includes energy efficiency analysis and evaluation, on-site commissioning and retro-commissioning services and cogeneration feasibility. His experience also includes design and preparation of construction documents and specifications for CNG refueling stations and maintenance facility upgrades, plumbing, HVAC and fire protection systems for a wide range of buildings. In addition, he has provided heating and cooling load calculations, duct static pressure calculations, project cost estimates, system equipment selection and contract documents, and product submittal review.*

#### SELECT PROJECT EXPERIENCE

- Greensboro MTA Bus Maintenance Facility, Greensboro, NC** - LEED Enhanced commissioning of a 61,000 sq. ft. bus maintenance and administration facility.
- Fairfax County Department of Transportation and Washington Metropolitan Area Transit Authority (WMATA): West Ox Bus Maintenance Facility, Fairfax, VA** - Commissioning and start up of new bus maintenance facility including: 911 call center, emergency management operation center, police headquarters and VDOT traffic center.
- Yale University, School of Medicine, Amistad Research Lab Building, New Haven CT** - Retro-Commissioning services on the HVAC and Electrical Systems of a 4 story Research Laboratory Building that was constructed in 2007
- Yahoo! Data Center, Lockport, NY**- 192,000 sq. ft. data center levels 1-5 mechanical commissioning
- State University Construction Fund, State University of New York at Fredonia, Cranston Hall, Fredonia, NY** - 94,000 sq. ft. student housing and dining facility per the requirements of SUCF Program Directive 15H9, "Commissioning and Indoor Air Quality Testing" and Executive Order No. 111.
- State University of New York at Oswego, Riggs Hall, Oswego, NY** - Provided full commissioning and indoor air quality services at a 58,000 sq. ft. student housing facility to satisfy Executive Order No. 111.
- Erie Metro Transportation Authority (EMTA), Erie, PA** - Compressed Natural Gas Refueling Station and Maintenance Facility Modifications
- City of Rochester Department of Environmental Services, Rochester, NY** - CNG Station Design
- Niagara County Water District, Niagara County, NY** - Facility Study
- Village of Albion Water & Wastewater Treatment Plants, Albion, NY** - Facility energy efficiency study
- State of New York Office of General Services, Albany, NY** - Cogeneration feasibility study
- Erie County Department of Public Works, Erie County, NY** - Energy efficiency study for over 10 facilities.
- Transit Authority of Warren County, Warren County, PA** - HVAC, plumbing and fire protection system design for a bus operations center including bus storage, maintenance and washing and offices and community spaces.

#### CERTIFICATIONS

- Certified Commissioning Professional (CCP)
- Certified Energy Manager (CEM)
- Certified Energy Auditor (CEA)
- LEED Accredited Professional

#### EDUCATION

- Buffalo State, State University of New York, Bachelor of Technology, Mechanical Engineering
- Erie Community College, Associate of Applied Science, Mechanical Drafting

#### ADDITIONAL TRAINING

- Trane Air Conditioning Clinic
- Bell and Gossett ITT Design Techniques for Modern Hydronic Systems Seminar
- National Technology Transfer, Inc. - Centrifugal Pump Design, Selection, Installation Seminar
- Industrial Exhaust Ventilation Seminar
- Advanced HVAC Commissioning Workshop
- University of Wisconsin Testing, Adjusting and Balancing Seminar

#### AFFILIATIONS

- Association of Energy Engineers (AEE)
- Building Commissioning Association (BCA)

## Richard W. Grygier, LEED AP Electrical Specialist

Mr. Grygier has 30 years of progressive leadership experience in the replacement, repair, and maintenance of complex electrical/instrumentation systems for wastewater plant municipalities. Mr. Grygier had served as the Electrical Crew Chief for the Town of Amherst Wastewater Treatment Facility and as an Electrician for the City of Dunkirk Wastewater Treatment Facility. During his 30 year tenure he has successfully completed over 12.5 million dollars in capital improvements including designing SCADA systems, Power Distribution improvements and automating Wastewater Plant processes. One distinguished project under his direction was a redesign of an Allison 2.5 megawatt turbine generator. This project was the recipient of the American Council of Engineers Excellence Platinum award in the category of Building /Technology Systems. His knowledge base allows him to analyze complex situations, set priorities, devise optimal strategies, and implement solutions without hesitation.

### SELECT PROJECT EXPERIENCE

**Yahoo! Data Center, Lockport, NY**- 192,000 s.f. data center levels 1-5 electrical commissioning.

**Greensboro MTA Bus Maintenance Facility, Greensboro, NC** - LEED Enhanced commissioning of a 61,000 sq. ft. bus maintenance and administration facility.

**Yale University, School of Medicine, Amistad Research Lab Building, New Haven CT** - Retro-Commissioning services on the HVAC and Electrical Systems of a 4 story Research Laboratory Building that was constructed in 2007.

**Erie County Dept Environment & Planning, Iroquois & Broadway Pump Station, Lancaster, NY** -technical lead performed value engineering and provided recommendations for the rehabilitation of the Iroquois and Broadway East Pumping Stations owned by the Erie County Department of Environment and Planning Division, Division of Sewerage Management. The work included evaluation of the existing conditions of each of the pumping stations, providing recommendations for improvements including pump replacements, electrical modifications, and repairs to the dry and wet wells, and providing cost estimates for the alternates for the rehabilitation of the pumping stations.

**City of Buffalo, Buffalo, NY** - project manager - ARC Flash Hazard Analysis NFPA 70E - prepare electrical model of the Bird Island WWTP utilizing SKM Power Tools Software - study through ARC Flash Training.

**Amherst Wastewater Pollution Control Facility, Amherst, NY** - Town's electrical crew chief/project manager for the rehabilitation of the existing Allison 2.5 megawatt turbine generator. This rehabilitation included new fuel control, valve, all new PLC controls, new HMI for monitoring and control. This project was done using Rolls Royce Energy Systems controls. This installation incorporated modification of the existing 4160 volt distribution to allow for plant participation in NYISO demand reduction response program. This project was the recipient of the American Council of Engineers Excellence Platinum award in the category of Building /Technology Systems

### EDUCATION

US Navy Electronics school

Electricians mate A school,

Motor generator school

Electrical Technology Major, Pennsylvania State University (Behrend College), Erie, Pennsylvania

Completed 588 hours of Machinist's School, Department of Vocational Education, Erie, Pennsylvania

### CERTIFICATIONS

LEED Accredited Professional

AB PLC Contrologix

PLC 5

PLC2

Hazmat Response

Arc Flash Hazard Analysis 1

Arc Flash Hazard Analysis 2

National Electric Code Courses

Certificates College of Sacramento, California - Operation of Wastewater Treatment Plants 1 & 2, Utility Management, Advanced Waste Treatment 1997-2000

Morrisville NY State

Operator lab course

Advanced operations

### ADDITIONAL TRAINING

Wonderware Training IndustrialSQL Comprehensive

Wonderware Training IntouchComprehensive

Wonderware Active Factory

Data Stream Maintenance Pac 2 (Preventive Maintenance Software)

AB RSLogix 5000 Professional

RSLogix Architect, RSNetWorx for ControlNet & Device net

Ethernet/IP, RSView Studio Machine Edition

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# *integrated services*

## Architectural Services

*Thrasher's Architectural team provides experience while providing quality planning, design and construction contract administration for both new and renovated structures.*

Renovation projects account for a vast amount of work the Thrasher architectural team, ranging from a simple 1,200 square foot spaces to 100,000 square foot facilities. Renovations have been designed and managed by the team for numerous projects.

*We meet project budgets and deadlines while delivering accurate plans.*

Thrasher was formed in 1983, our focus is on publicly funded projects, ranging from public utilities to economic development to higher education facilities. We know the importance of project deadlines and have earned a reputation for accurate, on-time design and construction documents.

Thrasher's design team knows that accurately estimating construction costs is vitally important, especially in cases of publicly funded projects. In order to develop estimates that come in under or meet our clients' requirements, we focus on preliminary assessment to ensure no details are overlooked. Our positive track record in reporting accurate estimates has been demonstrated throughout our new structure and renovation projects. We will bring cost efficiencies to your project.

*We take an "engineering approach" to project management.*

The WV State Lottery requires solid engineering along with architectural design. Thrasher is unique as we consistently meet that balance by utilizing an "engineering approach to project management" which is seen in our construction and contract administration. How is our approach different? We focus on the details of monitoring the project by having our architects visit the project site on a more frequent basis than other firms. In doing so, we ensure an on-going dialogue with the owner; our project representative and construction crew and are able to ensure the quality of materials specified are being used and that design details are followed. As a result, the Thrasher team can reduce or eliminate changes and project delays.



*The Progress Center at White Oaks in Bridgeport, West Virginia .*

***Our corporate philosophy of –  
"Successful Projects...Repeat  
Clientele" will be applied to the WV  
Lottery Headquarters by providing  
excellent engineering and  
architectural services.***

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# *about us*

Formed in 1983, Henry A. Thrasher and H. Wood Thrasher created Thrasher Engineering, Inc. with a commitment to excellence and professionalism in Engineering. As the leading Consulting Engineering firm in the state of West Virginia, Thrasher Engineering specializes in all facets of engineering from site development efforts to public works projects.

In 2005, the component added an Architectural Department to provide current, as well as new clients with the added architectural services. Along with that came the Planning and Landscape Architecture division.

Simply stated, Thrasher Engineering, Inc. offers a higher level of expertise, experience and documented history of client satisfaction for site development projects than other engineering firms. We can bring you the complete range of services *under single corporate management* with a solid team committed to the success of the City of Williamstown's project.

*There isn't a project that cannot be done at Thrasher Engineering, Inc.*



## *Locations*

*CLARKSBURG, WEST VIRGINIA*

*CHARLESTON, WEST VIRGINIA*

*BECKLEY, WEST VIRGINIA*

*PRINCETON, WEST VIRGINIA*

*OAKLAND, MARYLAND*

*CANTON, OHIO*

*FREDERICKSBURG, VIRGINIA*





# *about us*



Wendel Energy services was born from Wendel Duchscherer Architects & Engineers, PC, which is a nationally recognized architectural and engineering firm primarily serving the municipal, educational, and public transportation markets. Established over 70 years ago, the firm provides expertise in energy management, engineering, architecture, and landscape architecture.

Acting as each client's expert advocate, Wendel provided assistance to clients who were purchasing energy performance contract services from other energy service companies. This performance contracting assistance work on over 30 projects, exposed Wendel to the current private industry practices. Clients began to ask Wendel to provide performance contracting services directly because they recognized the increased value of approaching their energy projects from a professional design perspective.

Wendel, a client driven organization, understood the need for performance contracting and chose to serve the client directly. Consequently, Wendel Energy Services was founded to provide professionally assisted performance contract services. Energy projects are developed to contribute to our clients' operating cost reduction objectives and environmental initiatives.

For over 20 years, the Wendel companies have provided a full range of energy services including energy audits, design, grant procurement, and implementation. This comprehensive service offering is utilized by clients to implement turnkey energy solutions."





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

**Solicitation**

NUMBER
LOT502

PAGE
1

ADDRESS CORRESPONDENCE TO ATTENTION OF:
CONNIE OŞWALD 304-558-2157

RFQ COPY  
 TYPE NAME/ADDRESS HERE  
**VENDOR**  
 Thrasher Engineering, Inc.  
 P. O. Box 1532  
 30 Columbia Boulevard  
 Clarksburg, WV 26301

**SHIP TO**  
 WEST VIRGINIA LOTTERY  
 900 PENNSYLVANIA AVE  
 CHARLESTON, WV  
 25302 304-558-0500

DATE PRINTED
01/29/2013

BID OPENING DATE: 02/27/2013 BID OPENING TIME 1:30PM

LINE	QUANTITY	UOP	CAT. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
0001	1	JB		906-00-00-001		
EXPRESSION OF INTEREST (EOI) THE WEST VIRGINIA PURCHASING DIVISION FOR THE AGENCY, THE WV LOTTERY, IS SOLICITING AN EXPRESSION OF INTEREST FOR PROFESSIONAL ARCHITECTURAL ENGINEERING DESIGN SERVICES TO RENOVATE FLOORS 7, 8 & 9 OF THE WV LOTTERY LOCATED AT 900 PENNSYLVANIA AVENUE, CHARLESTON, WV 25302 PER THE ATTACHED BID REQUIREMENTS AND SPECIFICA- TIONS. ARCHITECT/ENGINEERING SERVICES, PROFESSIONAL FOR RENOVATION OF FLOORS 7, 8 & 9 OF THE WEST VIRGINIA LOTTERY PER THE ATTACHED BID REQUIREMENTS AND SPECIFI- CATIONS. REFERENCE ATTACHED INSTRUCTIONS TO BIDDERS AND GENERAL TERMS & CONDITIONS. ***** THIS IS THE END OF RFQ LOT502 ***** TOTAL:						

SIGNATURE *[Signature]* TELEPHONE 304-624-4108 DATE Feb. 25, 2013

TITLE Project Manager FEIN 55-0633596-6 ADDRESS CHANGES TO BE NOTED ABOVE

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: Thrasher Engineering, Inc.

Authorized Signature: *C. M. Be* Date: February 25, 2013

State of West Virginia

County of Harrison, to-wit:

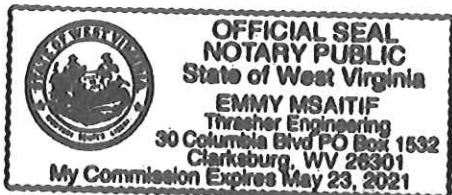
Taken, subscribed, and sworn to before me this 25<sup>th</sup> day of February, 2013.

My Commission expires May 23, 2021, 20  .

AFFIX SEAL HERE

NOTARY PUBLIC

*Emmy M. Saitif*  
Purchasing Affidavit (Revised 07/01/2012)




CERTIFICATION AND SIGNATURE PAGE

By signing below, 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 or proposal for review and consideration; that I am authorized by the bidder to execute this bid or any documents related thereto on bidder's behalf; that I am authorized to bind the bidder in a contractual relationship; and that to the best of my knowledge, the bidder has properly registered with any State agency that may require registration.

Thrasher Engineering, Inc.

\_\_\_\_\_  
(Company)



\_\_\_\_\_  
(Authorized Signature)

Craig Baker, Project Manager

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

304-624-4108

304-624-7831

\_\_\_\_\_  
(Phone Number)

\_\_\_\_\_  
(Fax Number)

February 25, 2013

\_\_\_\_\_  
(Date)

# THRASHER

ENGINEERING & ARCHITECTURE

CLARKSBURG, WV · CHARLESTON, WV · BECKLEY, WV · OAKLAND, MD  
FERDERICKSBURG, VA · CANTON, OH

Thrasher Engineering, Inc., is an architectural and civil engineering consulting firm specializing in all types of projects from new office buildings to site development to public funded water treatment and distribution systems. The bottom line is that no matter what type of project, Thrasher has the knowledge and experienced team to get the job done.

## Civil Engineering

- Water
- Wastewater
- Stormwater
- Site Development
- Roadways & Bridges
- Airports

## Survey

## Construction Services

- Construction Management
- Materials Testing

## Architecture

Land Planning/Landscape Architecture

## GIS

## Pipeline Inspection

[www.thrashereng.com](http://www.thrashereng.com)

30 Columbia Blvd.  
PO Box 1532  
Clarksburg, West Virginia 26301  
304-624-4108  
[thrasher@thrashereng.com](mailto:thrasher@thrashereng.com)

