

**Expression of Interest to the
WV Division of Juvenile Services**

Renovation of the Davis Center

Tucker County, WV

RFQ DJS010291

May 13, 2010

THRASHER
ENGINEERING

30 Columbia Boulevard
P.O. Box 1532
Clarksburg, WV 26301

304.624.4108
Fax: 624.7831
thrasher@thrashereng.com
thrashereng.com

RECEIVED

2010 MAY 13 A 10: 07

CLARKSBURG ■ CHARLESTON ■ BECKLEY ■ OAKLAND, MD

**PURCHASING DIVISION
STATE OF WV**

May 10, 2010

WV Division of Juvenile Services
C/o State of West Virginia Department of Administration
Purchasing Division
2019 Washington Street, East
Charleston, WV 25305

*RE: Expression of Interest – Renovations to the Davis Center
Requisition # DJS 010291*

To Whom It May Concern:

Thrasher Engineering, Inc. (Thrasher) is pleased to have the opportunity to submit this expression of interest and qualifications to provide engineering design services for the planned renovations to the Davis Center located in Tucker County. Our qualifications as West Virginia's leading civil engineering and architectural firm will provide the West Virginia Division of Juvenile Services (the Division) with quality service in a timely and cost efficient manner.

As demonstrated in this submittal, (Thrasher) is highly experienced in the planning, design and construction monitoring for building renovations and new structures. This experience will be of great benefit in the revitalization of the Davis Center (the Center). We greatly appreciate the opportunity to present our qualifications for consideration.

Our qualifications meet and exceed the criteria for selection of the architectural firm for the renovation project. In summary, we offer the following reasons why Thrasher is the right firm for this project:

- ❑ **Depth and Variety of Staff Disciplines:** Thrasher Engineering provides a work force of over 120 employees, with disciplines including engineering, architecture, environmental assessment, hazardous materials inspection and abatement, survey, construction monitoring and materials testing. Only Mechanical –Electrical – Plumbing engineering is sub-contracted for our architectural projects.
- ❑ **Accurate Project Estimating:** Our approach to architecture is different from that of most architecture firms: we take an engineering methodology to your project management. 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. This benefit is specifically important when utilizing public funding in order to avoid project overruns.


- ☐ **Priority:** The architectural division of Thrasher Engineering, Inc. 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.

Enclosed please find one (1) original and three (3) convenience copies of our Statement of Qualifications for your review and consideration.

We look forward to the opportunity of meeting with representatives of the Division to discuss your needs and how Thrasher Engineering can provide the services necessary.

Sincerely,

THRASHER ENGINEERING, INC.



CRAIG BAKER, ASSOCIATE AIA
Project Manager

/enc.



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

Request for Quotation

RFQ NUMBER
 DJS010291

PAGE
 1

ADDRESS CORRESPONDENCE TO ATTENTION OF
 KRISTA FERRELL
 304-558-2596

RFQ COPY
 TYPE NAME/ADDRESS HERE

THRASHER ENGINEERING, INC.
 PO BOX 1532
 30 COLUMBIA BLVD.
 CLARKSBURG, WV 26301

DIVISION OF JUVENILE SERVICES
 SECOND FLOOR
 1200 QUARRIER STREET
 CHARLESTON, WV
 25301 304-558-6029

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
04/16/2010				

BID OPENING DATE: 05/13/2010 BID OPENING TIME 01:30PM

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
001	1	LS		906-00-00-001	N/A	N/A
<p>A/E SERVICES FOR THE RENOVATION TO DAVIS CENTER</p> <p>EXPRESSION OF INTEREST (EOI)</p> <p>THE WEST VIRGINIA STATE PURCHASING DIVISION FOR THE AGENCY, THE WEST VIRGINIA DIVISION OF JUVENILE SERVICES, IS SOLICITING BIDS TO PROVIDE THE AGENCY WITH ARCHITECTURAL AND ENGINEERING SERVICES FOR RENOVATIONS TO THE DAVIS CENTER LOCATED IN DAVIS, WEST VIRGINIA PER THE ATTACHED SPECIFICATIONS.</p> <p>A MANDATORY PRE-BID WILL BE HELD ON APRIL 27, 2010 AT ??:?? AM AT THE DAVIS CENTER LOCATED IN DAVIS, WEST VIRGINIA. (TUCKER COUNTY) ALL INTERESTED PARTIES ARE REQUIRED TO ATTEND THIS MEETING. FAILURE TO ATTEND THE MANDATORY PRE-BID SHALL RESULT I DISQUALIFICATION OF THE BID. NO ONE PERSON MAY REPRESENT MORE THAN ONE BIDDER.</p> <p>AN ATTENDANCE SHEET WILL BE MADE AVAILABLE FOR ALL POTENTIAL BIDDERS TO COMPLETE. THIS WILL SERVE AS THE OFFICIAL DOCUMENT VERIFYING ATTENDANCE AT THE MANDATOR PRE-BID. FAILURE TO PROVIDE YOUR COMPANY AND REPRESENTATIVE NAME ON THE ATTENDANCE SHEET WILL RESULT IN DISQUALIFICATION OF THE BID. THE STATE WILL NOT ACCEPT ANY OTHER DOCUMENTATION TO VERIFY ATTENDANCE. THE BIDDER IS RESPONSIBLE FOR ENSURING THEY HAVE COMPLETED THE INFORMATION REQUIRED ON THE ATTENDANCE</p>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE	TELEPHONE	DATE
	304-624-4108	MAY 10, 2010
TITLE	FEIN	ADDRESS CHANGES TO BE NOTED ABOVE
PRINCIPAL-IN-CHARGE	55-0633596 6	

WHEN RESPONDING TO RFQ, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'



State of West Virginia
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<p>SHEET. THE PURCHASING DIVISION AND THE STATE AGENCY WILL NOT ASSUME ANY RESPONSIBILITY FOR A BIDDER-S FAILURE TO COMPLETE THE PRE-BID ATTENDANCE SHEET. IN ADDITION, WE REQUEST THAT ALL POTENTIAL BIDDERS INCLUDE THEIR E-MAIL ADDRESS AND FAX NUMBER.</p> <p>ALL POTENTIAL BIDDERS ARE REQUESTED TO ARRIVE PRIOR TO THE STARTING TIME FOR THE PRE-BID. BIDDERS WHO ARRIVE LATE, BUT PRIOR TO THE DISMISSAL OF THE TECHNICAL PORTION OF THE PRE-BID WILL BE PERMITTED TO SIGN IN. BIDDERS WHO ARRIVE AFTER CONCLUSION OF THE TECHNICAL PORTION OF THE PRE-BID, BUT DURING ANY SUBSEQUENT PART</p> <p>TECHNICAL QUESTIONS CONCERNING THIS EXPRESSION OF INTEREST MUST BE SUBMITTED IN WRITING TO KRISTA FERRELL IN THE WEST VIRGINIA STATE PURCHASING DIVISION VIA MAIL AT THE ADDRESS SHOWN IN THE BODY OF THIS RFQ, VIA FAX AT 304-558-4115, OR VIA EMAIL AT KRISTA.S.FERRELL@WV.GOV. DEADLINE FOR ALL TECHNICAL QUESTIONS IS MAY 04/2010 AT THE CLOSE OF BUSINESS. ANY TECHNICAL QUESTIONS RECEIVED WILL BE ANSWERED BY ADDENDUM AFTER THE DEADLINE HAS LAPSED.</p> <p>EXHIBIT 10</p> <p>REQUISITION NO.: DJS010291...</p> <p>ADDENDUM ACKNOWLEDGEMENT</p> <p>I HEREBY ACKNOWLEDGE RECEIPT OF THE FOLLOWING CHECKED ADDENDUM(S) AND HAVE MADE THE NECESSARY REVISIONS TO MY PROPOSAL, PLANS AND/OR SPECIFICATION, ETC.</p> <p>ADDENDUM NO.'S: NO. 1 X.....</p>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE: *[Signature]* TELEPHONE: 304-624-4108 DATE: 5-10-10

TITLE: PRINCIPAL-IN-CHARGE ADDRESS CHANGES TO BE NOTED ABOVE

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NO. 2 .X.....
 NO. 3
 NO. 4
 NO. 5

I UNDERSTAND THAT FAILURE TO CONFIRM THE RECEIPT OF THE ADDENDUM(S) MAY BE CAUSE FOR REJECTION OF BIDS.

VENDOR MUST CLEARLY UNDERSTAND THAT ANY VERBAL REPRESENTATION MADE OR ASSUMED TO BE MADE DURING ANY ORAL DISCUSSION HELD BETWEEN VENDOR'S REPRESENTATIVES AND ANY STATE PERSONNEL IS NOT BINDING. ONLY THE INFORMATION ISSUED IN WRITING AND ADDED TO THE SPECIFICATIONS BY AN OFFICIAL ADDENDUM IS BINDING.

Chris Kelly
 SIGNATURE

THRASHER ENGINEERING, INC.
 COMPANY

MAY 10, 2010
 DATE

NOTE: THIS ADDENDUM ACKNOWLEDGEMENT SHOULD BE SUBMITTED WITH THE BID.

REV. 09/21/2009

BANKRUPTCY: IN THE EVENT THE VENDOR/CONTRACTOR FILES

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE <i>Chris Kelly</i>	TELEPHONE	DATE
TITLE FEIN	ADDRESS CHANGES TO BE NOTED ABOVE	

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<p>FOR BANKRUPTCY PROTECTION, THE STATE MAY DEEM THE CONTRACT NULL AND VOID, AND TERMINATE SUCH CONTRACT WITHOUT FURTHER ORDER.</p> <p>NOTICE</p> <p>A SIGNED BID MUST BE SUBMITTED TO:</p> <p>DEPARTMENT OF ADMINISTRATION PURCHASING DIVISION BUILDING 15 2019 WASHINGTON STREET, EAST CHARLESTON, WV 25305-0130</p> <p>THE BID SHOULD CONTAIN THIS INFORMATION ON THE FACE OF THE ENVELOPE OR THE BID MAY NOT BE CONSIDERED:</p> <p>SEALED BID</p> <p>BUYER: KRISTA FERRELL-FILE 21</p> <p>RFQ. NO.: DJS010291</p> <p>BID OPENING DATE: 05/13/2010</p> <p>BID OPENING TIME: 1:30 PM</p> <p>PLEASE PROVIDE A FAX NUMBER IN CASE IT IS NECESSARY TO CONTACT YOU REGARDING YOUR BID:</p>						

SIGNATURE				SEE REVERSE SIDE FOR TERMS AND CONDITIONS	
TITLE PRINCIPAL-IN-CHARGE		FERN 55 06335966		TELEPHONE 304-624-4108	
				DATE 5-10-10	
ADDRESS CHANGES TO BE NOTED ABOVE					

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LINE	QUANTITY	UOP	CAT. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
				304-624-7831		
CONTACT PERSON (PLEASE PRINT CLEARLY):						
CRAIG BAKER						
***** THIS IS THE END OF RFQ DJS010291 ***** TOTAL:						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE *Craig Baker* TELEPHONE 304-624-4108 DATE 5-10-10

TITLE PRINCIPAL IN CHARGE PIN 55 0633596 6 ADDRESS CHANGES TO BE NOTED ABOVE

WHEN RESPONDING TO RFQ, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'

STATE OF WEST VIRGINIA
Purchasing Division

PURCHASING AFFIDAVIT

West Virginia Code §5A-3-10a states: 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 the debt owed is an amount greater than one thousand dollars in the aggregate.

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.

"Debtor" means any individual, corporation, partnership, association, limited liability company or any other form or business association owing a debt to the state or any of its political subdivisions. "Political subdivision" means any county commission; municipality; county board of education; any instrumentality established by a county or municipality; any separate corporation or instrumentality established by one or more counties or municipalities, as permitted by law; or any public body charged by law with the performance of a government function or whose jurisdiction is coextensive with one or more counties or municipalities. "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.

EXCEPTION: The prohibition of this section does not apply where a vendor has contested any tax administered pursuant to chapter eleven of this 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.

Under penalty of law for false swearing (*West Virginia Code §61-5-3*), it is hereby certified that the vendor affirms and acknowledges the information in this affidavit and is in compliance with the requirements as stated.

WITNESS THE FOLLOWING SIGNATURE

Vendor's Name: THRASHER ENGINEERING, INC.

Authorized Signature: *[Signature]* Date: MAY 11, 2010

State of West Virginia

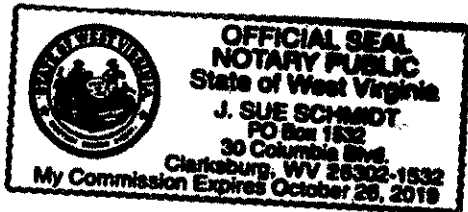
County of Harrison, to-wit:

Taken, subscribed, and sworn to before me this 12 day of May, 2010.

My Commission expires October 26, 2019, 2019

AFFIX SEAL HERE

NOTARY PUBLIC *[Signature]*



EXECUTIVE SUMMARY

In response to the evaluation criteria included in the Request for Expression of Interest (EOI) for the Davis Center (the Center), Thrasher presents the following summary, addressing our qualifications. Additional detailed information is included in subsequent sections.

RELEVANT PRIOR EXPERIENCE WITH SIMILAR PROJECTS

Thrasher's engineering and architectural project team has provided design services and construction monitoring for building demolitions, site development, new facilities and building renovations throughout the State of West Virginia and in Maryland. Included in the previous experience section of this EOI are examples of projects similar in scope to the needs of the Division for the Davis Center.



MANAGEMENT AND STAFFING

The Center can rest assured that the team members they meet before and/or during the interview process are those they will work with from beginning to end of the project. Although our architects bring years of experience to the table, Thrasher's architectural division itself is still young and growing. From our Project Manager through our architectural CAD designer, everyone within the architectural division is "hands on" with every project.

The Alta Vista Shelter at Genesis Youth Center includes sleeping quarters for 8 youths, along with administrative, kitchen and recreation facilities

The expertise of the Thrasher staff is a combination of education and experience; it is reflected in all aspects of our services. The firm is led by a talented group of principals and partners who are dedicated to the success of our projects and the satisfaction of our clients.

The principals and project team members from Thrasher Engineering who will be involved with the project include:

Chad M. Riley P.E. is a partner in Thrasher Engineering. His primary responsibilities include overseeing both site development and architecture projects as Principal-In-Charge. His experience related to your project includes serving as Project Manager for all infrastructure improvements at Fairmont State University which included oversight for all site development for new structures on campus, in addition to the demolition of numerous structures, making way for the campus improvements. Mr. Riley is a graduate engineer from Fairmont State University. He will serve as **Principal-In-Charge** for the project, coordinating architectural and engineering services along with overseeing all contractual obligations of the project.

Craig Baker, Associate AIA will serve as **Architectural Project Manager**. He joined Thrasher Engineering in 2006, following six years of experience with other firms. Mr. Baker received his Bachelor of Science Degree in Architecture Engineering, in 2001 from Fairmont State University. His specific related

experience includes numerous renovations and new structure. Office buildings, city government buildings, residences, medical facilities and restaurants are among his expertise. Mr. Baker has expertise in all CADD design programs relative to architecture.

For thirty years, **Lee O. Gustafson, AIA** has provided architectural design and engineering services for educational, government, commercial, health care, and residential development throughout the State of West Virginia. Following twelve years of practice with other architectural firms, he formed his own firm, a sole proprietorship, in March of 1985. A graduate of the University of Cincinnati, Mr. Gustafson brings over thirty years of experience to the team, with over twenty-five of those years designing and managing projects throughout the State of West Virginia. Lee will serve as **Lead Design Architect**. His portfolio of projects relevant to the scope of services needed for the Center include Pendleton County Nursing Home, WBOY-TV, and Randolph Hall at Salem University, and the design of the youth housing facility at Genesis Youth Center, among others.

Structural and site development engineering aspects of your project will be the responsibility of **Jeff Gola, P.E.** as **Project Engineer**. Mr. Gola is based in Thrasher Engineering's Clarksburg office, which will allow for communication with the architectural team. He joined Thrasher Engineering in 1998 and is responsible for the structural aspects of engineering design, as well as airport, road, sidewalk, storm water management and demolition projects. Mr. Gola is a Summa Cum Laude graduate of West Virginia University's College of Engineering and Mineral Resources. He is a Registered Professional Engineer in the State of West Virginia.

Environmental assessment, permitting and abatement plans, as needed will be led by **Todd Kelvington, LRS**. A Licensed Remediation Specialist and certified asbestos inspector, Mr. Kelvington's experience includes the inspection and abatement of hazardous materials required for numerous demolitions, in addition to environmental assessment and permitting necessary for government funded projects. A graduate of Norwich University, he holds a Bachelor of Science degree and is currently pursuing a Master of Science Degree in Environmental Studies.

The Thrasher Engineering, Inc. team also offers the field services necessary to meet the entire scope of your project. Survey, construction monitoring and materials testing will also be provided by our team. Thrasher employs more construction project representatives and survey crews than any other West Virginia firm, assuring that we will be able to provide full-time representation on the project.

Any necessary **Mechanical-Electrical-Plumbing** aspects of the design will be under the direction of **Jason Harper, P.E., owner and principal of Harper Engineering, Inc.** Mr. Harper is a graduate of West Virginia Institute of Technology with a Bachelor of Science degree in Mechanical Engineering. He is a Registered Professional Engineer in the State of West Virginia. His background includes providing MEP services for a variety of building types and sizes including, but not limited to, office buildings, health care facilities and government facilities.

Detailed resumes of these team members are included later in this EOI.

DESIGN AESTHETIC AND PROJECT MANAGEMENT APPROACH

Thrasher's Architectural team brings specific experience in providing quality planning, design and construction contract administration services for both new and renovated structures.

New building projects are a large part of the design work of the Thrasher architectural team, ranging from a simple 1,200 square foot building to 100,000 square foot multi-purpose structures. Renovations have been designed and managed by the team for numerous projects.

We meet project budgets and deadlines delivering accurate plans.

Thrasher Engineering was formed in 1983 and since that time, the focus of the firm's work has been 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.



Completed in January, the Progress Centre at White Oaks is Thrasher's most recent project.



The City of Oak Hill's new Police Station was a publicly funded project completed on time and within budget in the summer of 2009. The security system for this facility was a key aspect of design.

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 meet or are below our clients' budgets, we focus on preliminary assessment, to ensure no details are overlooked. Our positive track record in accurate estimates has been demonstrated throughout our new structure and renovation projects. This ability will bring cost efficiencies to your project.

We take an "engineering approach" to project management.

The Center's project is one that will require solid engineering along with architectural design. Thrasher Engineering 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 corporate philosophy of Thrasher Engineering – "Successful Projects...Repeat Clientele" is one we want to apply to the Center by providing engineering and architectural services for your facility.

STATEMENT OF QUALIFICATIONS

Founded in 1983, Thrasher Engineering, a West Virginia owned and operated full-service company has provided engineering design and construction services for infrastructure throughout the State of West Virginia.

Throughout our history, Thrasher Engineering has provided site development planning and engineering design services for many successful building projects, working with numerous architectural firms and contractors. Based on that success, in 2004, we added architectural design to the scope of services we provide in-house.



Thrasher's corporate headquarters and architectural staff are located in Clarksburg, West Virginia

ARCHITECTURAL / ENGINEERING QUALIFICATIONS

Exceptional customer service, versatility, quality and experience are the benefits realized by the selection of Thrasher for the Davis Center project.

Our architects bring over 30 years of experience to the project; a balance of aesthetics, functional design and maintainability is the base of their design. The civil engineering team, working with the architects, offers the structural, utilities, and landscape architecture segments. These abilities have been demonstrated in projects shown as examples in this proposal.

In addition to our ability to provide the necessary services for architecture, Thrasher Engineering, Inc.'s selection brings the following benefits to the project:

- We offer an approach to architectural projects different from that of other firms. Our engineering emphasis on the details of construction bidding documents for our design, in addition to the design itself, results in **more accurate bids and fewer change orders - bringing cost savings to our clients.**
- We offer a solid track record of architectural design and site development engineering for state and federally funded projects, requiring integrated communication among design and construction teams.
- We offer **a teamwork process.** Whether we are serving as the civil engineer for architecture within our own company, as a sub-contractor to other architectural firms or, in a design-build team, we communicate with the project owner to provide design and construction services **on-time and within budget.**



Valley Mental Health Clinic's Substance Abuse and Recovery Center features sleeping quarters for in-patient residents and staff

Thrasher Engineering has provided feasibility studies, design, bidding and construction phase services for over \$500 Million in construction for infrastructure and building projects within the State of West Virginia.

Simply stated, there is no other West Virginia firm that can surpass Thrasher Engineering in the quality of service and technical ability necessary to meet the needs of the WVDJS in their plans for their renovations to the Davis Center.

MECHANICAL-ELECTRICAL-PLUMBING DESIGN

The only engineering service that Thrasher Engineering, Inc. sub-contracts for our building projects is for Mechanical, Electrical and Plumbing design. However, we consider these designers as a part of our team and represent them under our *single contact management method*. For your project, we will utilize the services of *Harper Engineering*.

Harper Engineering is an innovative new engineering firm serving architects, owners, and contractors throughout the state. They offer full service commercial and industrial engineering with over 60 years of combined experience striving to offer the best service at the most competitive rates.

M-E-P services that Harper Engineering will provide for the project include design of HVAC, electrical, lighting, fire alarm, security and communications, plumbing and fire suppression.

MANAGEMENT AND STAFFING CAPABILITIES

WV DIVISION OF JUVENILE SERVICES / DAVIS CENTER

**CHAD M. RILEY, P.E.
PRINCIPAL-IN-CHARGE**

**CRAIG BAKER, ASSOCIATE AIA
PROJECT MANAGER**

**LEE GUSTAFSON, AIA
SENIOR ARCHITECT**

**TODD KELVINGTON, LRS
ENVIRONMENTAL SERVICES**

**TODD KELVINGTON, LRS
ENVIRONMENTAL SERVICES**

**AARON DENHAM
GENERAL MANAGER
CONSTRUCTION MONITORING /
MATERIALS TESTING**

**JEFF GOLA, P.E.
STRUCTURAL ENGINEER/
SITE DEVELOPMENT**

HARPER ENGINEERING
Mechanical-Electrical-Plumbing
JASON HARPER, P.E.
Principal-In-Charge
HVAC Design
RICK STANDISH
Electrical/ Telecommunications
and Fire Alarm Design
SCOTT PHILLIPS
Plumbing and Sprinkler System
Design

CHAD MITCHELL RILEY, P.E. - PRINCIPAL-IN-CHARGE

Mr. Riley joined Thrasher Engineering in 1996 and became a partner in the firm in 2004. His past experience with the firm has included survey and construction management / inspection responsibilities; he now holds the responsibility of Site Development Manager and lead engineer for site development projects. The focus of these projects is for the development of industrial and business parks, multi-use developments and long-term, multi-phase infrastructure improvement and building projects. He has extensive experience in working with both Federal and State funding agencies, including the US Department of Commerce, Economic Development Council and the State of West Virginia Development Office.

Mr. Riley is currently, or has served, as Project Manager for numerous economic development projects throughout the State of West Virginia. In this capacity, he holds ultimate responsibility for client communication, engineering design, funding issues, construction document preparation, bidding, and construction management.

SITE DEVELOPMENT PROJECTS

- WHITE OAKS BUSINESS PARK**
- FAIRMONT STATE UNIVERSITY: 10-YEAR INFRASTRUCTURE IMPROVEMENTS PROJECT:**
 - *Utilities, Roadways, Sidewalks, Storm Drainage, Utility Relocation*
 - *Parking Garage*
 - *Falcon Center (Student Activity Center)*
 - *Bryant Place Dormitory*
- RALEIGH COUNTY MEMORIAL AIRPORT INDUSTRIAL PARK**
- McDOWELL COUNTY PRISON**
- PINECREST BUSINESS AND TECHNOLOGY PARK –RALEIGH COUNTY, WV**
- WOLF CREEK PARK “LIVE, WORK AND PLAY” COMMUNITY – FAYETTE COUNTY, WV**
- CHARLES POINTE DEVELOPMENT – BRIDGEPORT, WV**
 - *Mass Grading, Roadways, Sidewalks, Utilities*
 - *Conference Center*
- WOOD PRODUCTS INDUSTRIAL PARK – MINGO COUNTY, WV**
- PUTNAM COUNTY INDUSTRIAL PARK**
- BELINGTON INDUSTRIAL PARK – BARBOUR COUNTY, WV**
- FEDERAL BUREAU OF PRISONS**
 - *Glenville Correctional Institute – Gilmer County, WV*
 - *Canaan U.S. Penitentiary / Federal Prison Camp*
- U.S. DEPARTMENT OF VETERANS AFFAIRS – WEST VIRGINIA NATIONAL CEMETERY EXPANSION**

EDUCATION

- Fairmont State University – Bachelor Of Science – Civil Engineering Technology**

REGISTRATIONS

- Registered Professional Engineer, State of West Virginia**
- Registered Professional Engineer, State of Maryland**
- WVDOH Certified Concrete Technician / Certified Compaction Technician**

AFFILIATIONS

- Fairmont State University Technology Advisory Committee**

CRAIG BAKER – ASSOCIATE AIA

QUALIFICATIONS SUMMARY

Mr. Baker joined Thrasher Engineering, Inc. in 2005, following six years of experience with other firms. He received his Bachelor of Science Degree in Architectural Engineering in 2001 from Fairmont State University. Office buildings, city government buildings, medical facilities and restaurants are among his expertise. Mr. Baker has expertise in all CADD design programs relative to architecture. As Project Manager for numerous public and private architectural projects throughout the State of West Virginia, Craig holds responsibility for client communication, scheduling, construction document preparation, bidding, construction management and contract administration.

EDUCATION

- Bachelor of Science—Architectural Engineering, Fairmont State University*

AFFILIATIONS

- American Institute of Architects - Associate, West Virginia*

REPRESENTATIVE PROJECT EXPERIENCE

- Elkins Hospice Care – Renovation of an existing 5,000 SF nursing facility into a 12 bed Hospice Care Center. Each room was designed to be a private suite with furnishings reminiscent of home. A group kitchen and dining area as well as a chapel were also included. The project also included a 2 story 10,000 SF administrative addition. Cost = \$2,000,000.00, Completed 10/2008*
- WVU Natatorium - Complete renovation of the men's and women's swim team locker rooms as well as the swim coaches' offices. Cost \$60,000.00, Completed 1/2010*
- Exxon on the Run Station @ White Oaks – 5,400 Sf retail service station which will include walk in coolers, a private office, donut shop & store room. All Brick façade with standing seam metal roof. Cost \$700,000.00, Scheduled Completion 6/2010*
- NCWV KCI/V-1 services renovations – Complete renovation of the V-1 services space. Renovations consisted of modernizing the space to accommodate a pilot's lounge, private offices, first class waiting area and more. A covered canopy was added to the exterior to provide a formal entrance into the space. Cost = \$300,000.00, Completed 10/2009*
- Horizons Church Phase 2 – SF addition to the Church building. Building to include a multi-purpose gymnasium, kitchen, food pantry as well as a two story section to house classrooms and youth facilities. Cost = , Scheduled completion 6/2010*
- Harrison County School Board, Liberty High School Football Stadium – Complete football stadium, practice facility and field house. Project consists of bleacher seating for approximately 2,500, a 6500 SF field house, new lighting, a new 8 lane rubberized running track and a new practice/soccer field. Cost = \$2,500,000.00, Scheduled Completion 10/2010*
- Progress Centre at White Oaks – 23,000 SF, 2 story, class A office building. All masonry construction complete with elevator and a finished common area finished with slate tile and wood crown and chair molding. Modernly secure facility equipped with card reader systems at all entrance points. Cost = \$2,600,000.00, Completed 1/2010*

- ❑ *Mason County Board of Education, High School Football Stadium - Complete football stadium consisting of bleacher seating for approximately 3,500, new lighting, a new 8 lane rubberized running track and a new artificial turf playing field. Cost = \$3,200,000.00, Completed 8/2009*
- ❑ *Morgantown AES Federal Credit Union – A 5,500 SF banking facility consisting of private offices, board rooms, meeting rooms, etc. A 3 lane drive thru as well as a separate ATM lane was also included. Cost = \$1,300,000.00, Completed 6/2009*
- ❑ *Rahall Center at the Woodlands = 10,000 SF office building. Designed with capturing the sites panoramic views at 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 cut stone with limestone accents and a standing seam metal roof. Cost = 1,700,000.00, Completed 10/2007*
- ❑ *MVB Bank and office building – 20,000 SF, 2 story office building with MVB bank occupying 75% of first floor. All brick façade with a standing seam metal roof. Cost = \$3,250,000.00, Completed 6/2007*
- ❑ *Mon Valley Bank, Bridgeport– 10,000 SF, 2 story building complete with 3 lane drive thru. Cost \$1,200,000.00, Complete 5/2005*
- ❑ *Dominion Gas Building – 19,000 SF, 1 story office building equipped with offices, large scale conference rooms and training facilities. Split faced block construction with asphalt architectural shingle roof. Cost = \$2,750,000.00, Completed 10/2008*
- ❑ *City of Oak Hill Police Station – 6,300 SF police station facility with offices, family court room, training room and holding cell area. Equipped with a two stall sally port. Cost \$1,400,000.00 Completed 6/2009*
- ❑ *Glennville State Convocation Center – Schematic designs completed for the new 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*
- ❑ *Cambridge Office Park Buildings – 7 single story building with square footages ranging from 4,000 SF to 12,000 SF. Each is designed with entrances that will accommodate multiple tenants. Each building is constructed out of an all brick façade and each highlighted by their distinct roof top cupola. Cost = Varies from \$200,000.00-\$800,000.00 Completed 11/2009*
- ❑ *Northern and Southern High School athletic Facilities – Locker room, press box and concession stand renovations at each school. Estimated Cost = \$250,000.00, Scheduled Completion 2/2010*

LEE O. GUSTAFSON – AIA / LEAD ARCHITECT

QUALIFICATIONS SUMMARY

Prior to joining Thrasher Engineering in 2005, Mr. Gustafson owned and operated a sole-proprietorship firm specializing in health care, business, and educational facilities. Additionally, he provides architectural services for government & community facilities, apartment complexes, religious buildings, industrial facilities and 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 team, with more than twenty-five of those years designing and managing projects throughout the State of West Virginia.

EDUCATION

- Bachelor of Science-Architecture, University of Cincinnati, 1975

CERTIFICATIONS

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

AFFILIATIONS

- West Virginia Society of Architects
- A.I.A. Committee on Architecture for Education
- A.I.A. Committee on Architecture for Health Care
- A.I.A. Committee on Architecture for Justice
- SHPO Listed and Approved for Historic Preservation Work
- Past Member of Clarksburg Municipal Building Commission
- Past Member of Harrison County Housing Council
- Genesis Youth Center Board Member
- Clarksburg Rotary
- Past Member of Allohak Council Boy Scouts of America

REPRESENTATIVE PROJECT EXPERIENCE

- Elkins Hospice Care – Renovation of an existing 5,000 SF nursing facility into a 12 bed Hospice Care Center. Each room was designed to be a private suite with furnishings reminiscent of home. A group kitchen and dining area as well as a chapel were also included. The project also included a 2 story 10,000 SF administrative addition. Cost = \$2,000,000.00, Completed 10/2008*
- Grant County Nursing Home; 15,000 of Additions and Renovations for a 45 Bed Addition to the existing 60 Bed Long Term Care Facility, Cost \$1,250,000, plus several follow up additions and renovations for the Alzheimer Wing, Dining Room, Kitchen, Physical Therapy and Administrative Offices.*
- Cortland Acres Nursing Home, Thomas WV, Alzheimer Wing, 3,120 sf, \$283,000, Laundry Wing, 950 sf, \$69,650, Physical Therapy and Pool Addition, 3,460, \$461,925, Administrative Offices and Dining Room Additions & Renovations*
- Tucker County Senior Center, 7,980 sf, \$430,000, Hardy County Senior Center, 5,000 sf, Cost \$350,000, and Newburg Senior Center, 3,700 sf, Cost \$296,000. These projects were each constructed with funding from Small Cities Block Grants. All included Community dining and Recreation, Commercial Kitchens, Health Department Facilities, and Senior Center Administrative Facilities.*
- Rahall Center at the Woodlands - 10,000 SF office building. Designed with capturing the sites panoramic views at 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 cut stone with limestone accents and a standing seam metal roof. Cost = \$1,700,000.00, Completed 10/2007*

- ❑ *Lumberport Volunteer Fire Department – A one story, 6,260 sf 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, Cost \$310,000*
- ❑ *Clarksburg Baptist Church, “Nannie Monroe” 2 Story Classroom and Office Addition with Connecting Atrium and 5 Stop Elevator connection the Historic Church and New Addition. This addition was designed with brick detailing to complement the existing historic structure which is a prominent Church in the Downtown Clarksburg Historic District.*
- ❑ *Shenandoah Office Park - 2 Multi-Story Office Buildings, Martinsburg, WV, 2 story, 20,000 sf MVB Bank Building Completed 2007, 3 story, 30,000 sf Office Building in schematic design phase. The buildings are designed in a white brick and green roof and window theme to distinguish the park from the traditional red brick used in the historic areas. The site design and landscaping have been recognized for trend setting concepts in storm water management.*
- ❑ *MVB Bank and office building – 20,000 SF, 2 story office building with MVB bank occupying 75% of first floor. All brick façade with a standing seam metal roof. The MVB/Shenandoah Building also required a high level of security for the government offices housed on the Second Floor. .Cost = \$3,250,000.00, Completed 6/2007*
- ❑ *Mon Valley Bank, Bridgeport– 10,000 SF, 2 story building with Basement Vaults and Elevator, and 3 lane drive thru. Cost \$1,200,000.00, Complete 5/2005*
- ❑ *Heritage Square Office Complex, Clarksburg, WV, including Heritage Bank (now Wesbanco) 3 stories, 21,000 sf, cost \$\$1,260,000, plus the 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 the design theme.*
- ❑ *Morgantown AES Federal Credit Union – A 5,500 SF banking facility consisting of private offices, board rooms, meeting rooms, etc. A 3 lane drive thru as well as a separate ATM lane was also included. Cost = \$1,300,000.00, Completed 6/2009*
- ❑ *Newpointe Medical Center, Clarksburg, WV – 2 One Story Buildings totaling 21875 sf, \$1,750,000, including Medpointe Urgent Care Clinic, Newpointe Pharmacy, Franz Dermatology, Mountain State Physical Therapy, and Dr. Sivakumaren Pediatrics. The buildings are wood frame, fully sprinklered, with synthetic stucco exterior wall finish and architectural shingle roofing.*
- ❑ *Cambridge Place Office Park, Bridgeport, WV; 7 Mixed Use Executive Office Buildings totaling 47,000 square feet at a total cost of approximately \$6,650,000, constructed in phases over a 6 year schedule.. Floor plans are varied, but each building is designed with trademark portico and roof top cupolas, molded brick, divided light windows, and architectural shingles to maintain the park’s distinctive design theme. Completed 11/2009*
- ❑ *Horizons Church Phase 2 – SF addition to the Church building. Building to include a multi-purpose gymnasium, kitchen, food pantry as well as a two story section to house classrooms and youth facilities. Cost = , Scheduled completion 6/2010*

JEFF GOLA, P.E. – PROJECT ENGINEER

Mr. Gola joined Thrasher Engineering in 1998 and serves as Project Manager/Engineer on Highway Projects, Community Improvement Projects, and Commercial Site Development Projects and provides structural engineering services for architectural projects. He is experienced in all aspects of the project control, from design and drafting to the bidding process to the over site of the construction inspection. Specialties include:

- Highway Engineering: planning and design of roadways and sidewalks.*
- Structural Engineering: design of buildings, bridges, retaining walls, and utility plant structures.*
- Site/Land Development: design of roads, drainage, storm water manager, erosion and sediment control and numerous regulatory permitting activities.*
- Hydrology and Hydraulic Engineering: stream modeling and dam break analysis.*

REPRESENTATIVE PROJECTS

- Fairmont State University, Locust Avenue Demolition: This project was broken down into two phases, which included the demolition of nine (9) residential structures. Once the structures were demolished, a parking lot was installed in the vacant area.*
- City of Mannington, Buffalo Street Demolitions: The goal of the project was to demolish four structures, ranging from three to four story buildings. Once the structures were removed, Thrasher Engineering was able to restore and stabilize an adjacent stream bank and provide off-street parking.*
- Fairmont State University, Engineering Technology Building: For this project we were working with the architect who was renovating the existing technology building on campus. Our portion of the job was to provide grading and utility plans for the renovation. As the plans progressed, the owner decided to include a retaining wall. The wall was designed as a segmental block wall which had grating that spanned between the wall and the proposed building.*
- Harrison County Commission, Handicap Ramp and Sidewalk: The goal of the design was to improve the handicap entrance to the county courthouse by making a wider ramp and gentler slope. The sidewalk that makes up Court Street, adjacent to the courthouse was designed to remove all existing uneven pavers, slate and concrete and replace with a concrete sidewalk with a brick paver border.*
- Buffalo Wild Wings, Site Preparation: Performed the design of site preparation for a developer in Charleston, WV for construction of the franchise restaurant. The work included grading, drainage, parking layout, landscaping, and utilities.*
- Baywood Hotel, Site Preparation: Provided design for the site of future motel. The site preparation plans involve demo, grading, storm water management, entrance permitting, landscaping, utilities, and parking layout.*

EDUCATION

- Bachelor Of Science-Civil Engineering, West Virginia University, 1998 Summa cum Laud*

CERTIFICATIONS

- Registered Professional Engineer (PE), State of West Virginia*
- Registered Professional Engineer (PE), State of Maryland*
- American Society of Civil Engineers*
- American Society of Highway Engineers*
- City of Mannington Code Enforcement Appeal Board*

TODD E. KELVINGTON, LRS – ENVIRONMENTAL SPECIALIST

QUALIFICATIONS SUMMARY

Mr. Kelvington joined Thrasher Engineering, Inc. in 2008 and serves as Environmental Specialist for the firm. Prior to joining Thrasher, Todd served as Senior Scientist for regional and national consulting firms. He has more than 10 years experience and brings comprehensive knowledge of environmental assessment, due diligence, brownfield redevelopment, and industrial hygiene on sites ranging from agricultural to industrial. Mr. Kelvington has also completed large corridor Environmental Assessments and Impact Statements for utility and infrastructure projects under the National Environmental Policy Act (NEPA).

EDUCATION

- B.S., Biology – Norwich University*
- Graduate Studies: Currently enrolled, M.S. Environmental Policy and Management – American Military University*

CERTIFICATIONS

- Licensed Remediation Specialist*
- Licensed Asbestos Inspector and Project Designer*
- Licensed Lead Inspector and Risk Assessor*

REPRESENTATIVE PROJECT EXPERIENCE

- Brownfields Assessment Grant, City-Wide, Charleston, WV – Project involves a comprehensive inventory and GIS mapping of petroleum brownfield sites throughout the city. Multiple sites advanced through Phase I and Phase II Assessment. Several sites are currently under redevelopment activities including a new state-of-the-art public park on the city's east end.*
- Brownfields Clean-up Grant, Former Glass Plant, Clarksburg, WV – Project involves a former glass manufacturing facility with long environmental legacy. Mr. Kelvington served as project manager to complete project clean-up activities and final clearance through the West Virginia Voluntary Remediation Program (VRP). Project required comprehensive assessment, Risk Assessment, and final institutional controls.*
- Cowen PSD WWTP Expansion Project, Cowen, WV -- In order to meet US Army Corps of Engineers ARRA Grant requirements the project required the preparation of a Phase I ESA Study and an Environmental Assessment that included a Phase I Archeological Study and Wetlands/Stream Impact Study. Mr. Kelvington performed field assessment activities and managed all specialty subcontractors. Complete NEPA compliance documentation was prepared for both state and Federal agencies.*
- Wilbur J. Cowen Building, Washington, D.C. –Project involved the complete assessment of hazardous building materials including asbestos, lead, PCBs, and Mercury throughout 1 million square feet of office space for the preparation of comprehensive demolition and remodeling specifications. Mr. Kelvington managed a team of hygienist to conduct field investigations and prepared specification documents to be included in the architect's final plan.*
- Ames Street Apartments, Washington, D.C. –Managed the assessment and subsequent removal of a total of 6- 10,000 gallon underground petroleum tanks in cooperation with the District of Columbia Housing Authority and other regulatory officials. Mr. Kelvington managed the documentation of all contractor activities, the collection of confirmatory sampling, and all final closure forms.*
- Brownfields Clean-up Grant, Former Glass Plant, Moundsville, WV – Served as project manager for the preparation of complete asbestos abatement specifications for the demolition of site structures and*

stockpiled material. Complex site history and public concerns required substantial planning and specialized abatement procedures.

- ❑ *Various Cell Tower Sites, Mid-Atlantic Region – Performed complete Phase I ESA, NEPA Compliance, and civil feasibility analysis on more than 25 sites throughout the Mid-Atlantic corridor. Project required substantial logistic coordination and GIS mapping support. Project also involved tight time requirements and deliverable deadlines.*
- ❑ *Harpers Ferry National Park, Harpers Ferry, WV – Conducted multiple Phase I ESAs and industrial hygiene investigations on park acquired land for incorporation in restoration planning and park rehabilitation. Projects required close coordination with NPS Historical Architects and consideration of historical resources and materials.*
- ❑ *West Virginia Army National Guard, Wheeling Air Wing, Wheeling, WV. –Prepared comprehensive Storm Water Pollution Prevention Plan (SPPP) for the air facility including the preparation of mapping, training documents, site inspection protocols, and sampling plans. Project involved the consolidation of outfalls resulting in reduced sampling demands on the facility.*
- ❑ *HUD, Community Development Block Grant, Stephen’s City, VA – Performed full environmental assessment and industrial hygiene services for demolition of multiple residential structures in preparation for a Habitat for Humanity build.*
- ❑ *Dunn and Crawford Buildings, Martinsburg County Commission, Martinsburg, WV. – Environmental assessment and industrial hygiene services for the conversion of former mill structures into county offices and judicial facilities. Conducted asbestos and lead paint inspection and assisted with construction specifications.*

AARON W. DENHAM – PARTNER / GENERAL MANAGER MATERIALS TESTING AND INSPECTION

QUALIFICATIONS SUMMARY

Mr. Denham joined Thrasher Engineering in 2000 and serves as Manager of all Construction Inspection and Materials Testing projects for the firm. Mr. Denham is responsible for all construction inspection for water, sewer, site development, and WVDOH projects, and the daily activities of the materials testing department for highway, airport, site development, structural and public utilities projects.

EDUCATION

- B.S. Civil Engineering Technology, 1999 – Fairmont State University*

CERTIFICATIONS

- Fairmont State University Level V Certification – Transportation Engineering Technologist – Engineering Specialization*
- WVDOH Compaction Inspector*
- WVDOH Concrete Inspector/Technician*
- WVDOH Aggregate Sampling Inspector*
- WVDOH Aggregate Technician/Inspector*
- WVDOH Bituminous Inspector/Technician*
- WVDOH Radiation Safety*
- Troxler Basic Safety – Nuclear Compaction Gauge*

AFFILIATIONS

- ASHE – American Society of Highway Engineers*

REPRESENTATIVE PROJECT EXPERIENCE

- Rubenstein Center for Youth – Davis, WV [Project Manager]: Responsibilities including reviewing asphalt and concrete mix designs. Coordinating with contractor on assigning field technicians and any special testing. Reviewing field technician's daily reports, field testing reports, and all laboratory testing results before being submitted to owner.*
- Mountaineer Challenge Academy – Camp Dawson, WV [Project Manager]: Responsibilities including reviewing asphalt and concrete mix designs. Coordinating with contractor on assigning field technicians and any special testing. Reviewing field technician's daily reports, field testing reports, and all laboratory testing results before being submitted to owner. Construction began September 2007 and completed January 2010.*
- Fairmont State University (Parking Garage, Bryant Place Dormitory, Campus Renovations, Engineering Building Addition, and Falcon Center) [Materials Testing Technician]: Responsibilities included materials testing and inspection of all material used in the construction all the renovations and new construction for Fairmont State University. Performed compaction testing, with nuclear gauge, on soils, stone, and asphalt, tested concrete for air content, slump, temperature, and compressive strength of cylinders, mortar cubes and grout prisms; rebar inspection, and fireproofing testing which included density and thickness.*
- Glennville State College Dormitory – Glennville, WV [Project Manager]: Responsibilities including reviewing asphalt and concrete mix designs. Coordinating with contractor on assigning field technicians and any special testing. Reviewing field technician's daily reports, field*

testing reports, and all laboratory testing results before being submitted to owner. Construction began October 2009 and completed May 2011. Construction cost was \$100 million.

- Bio Medical Research Facility – Morgantown, WV [Project Manager]: Responsibilities including reviewing asphalt and concrete mix designs. Coordinating with contractor on assigning field technicians and any special testing. Reviewing field technician's daily reports, field testing reports, and all laboratory testing results before being submitted to owner. Construction began July 2006 and completed October 2007. Construction cost was \$30 million. (*
- Mon General Hospital Hazel Ruby McQuain Tower – Morgantown, WV [Project Manager]: Responsibilities including reviewing asphalt and concrete mix designs. Coordinating with contractor on assigning field technicians and any special testing. Reviewing field technician's daily reports, field testing reports, and all laboratory testing results before being submitted to owner. Construction began September 2006 and completed August 2008. Construction cost was \$90 million.*
- West Virginia University Cancer Center – Morgantown, WV [Project Manager]: Responsibilities including reviewing asphalt and concrete mix designs. Coordinating with contractor on assigning field technicians and any special testing. Reviewing field technician's daily reports, field testing reports, and all laboratory testing results before being submitted to owner. Construction began March 2007 and completed May 2008. Construction cost was \$18 million.*
- West Virginia University Alumni Center – Morgantown, WV [Project Manager]: Responsibilities including reviewing asphalt and concrete mix designs. Coordinating with contractor on assigning field technicians and any special testing. Reviewing field technician's daily reports, field testing reports, and all laboratory testing results before being submitted to owner. Construction began September 2007 and completed July 2008. Construction cost was \$20 million.*
- Health Science Learning Center – Morgantown, WV [Project Manager]: Responsibilities including reviewing asphalt and concrete mix designs. Coordinating with contractor on assigning field technicians and any special testing. Reviewing field technician's daily reports, field testing reports, and all laboratory testing results before being submitted to owner. Construction began May 2005 and completed May 2006. Construction cost was \$12 million.*
- Ruby Memorial Hospital NE Addition – Morgantown, WV [Project Manager]: Responsibilities including reviewing asphalt and concrete mix designs. Coordinating with contractor on assigning field technicians and any special testing. Reviewing field technician's daily reports, field testing reports, and all laboratory testing results before being submitted to owner. Construction began January 2004 and completed May 2005. Construction cost was \$70 million.*

JASON E. HARPER, PE

(304)-541-1390
jason@harperengwv.com

EDUCATION

- West Virginia University Institute of Technology Montgomery, WV**
Bachelor of Science-Mechanical Engineering

REGISTRATIONS/PROFESSIONAL AFFILIATIONS

- WV Licensed Professional Engineer**
- ASHRAE**

EXPERIENCE

Jason E. Harper, PE brings 5 years design experience to our firm. He has experience with HVAC and piping design. His projects include educational facilities (including colleges and universities), health care facilities, office buildings, banks, emergency services facilities, postal facilities, and government buildings.

REPRESENTATIVE PROJECTS

Summersville Readiness Center

Independence High School HVAC

Lewisburg Readiness Center

Liberty High School HVAC

WVARNG Fire Station

Grafton High School Addition

Mylan Pharmaceuticals Expansion

Robert Byrd Health Science Center

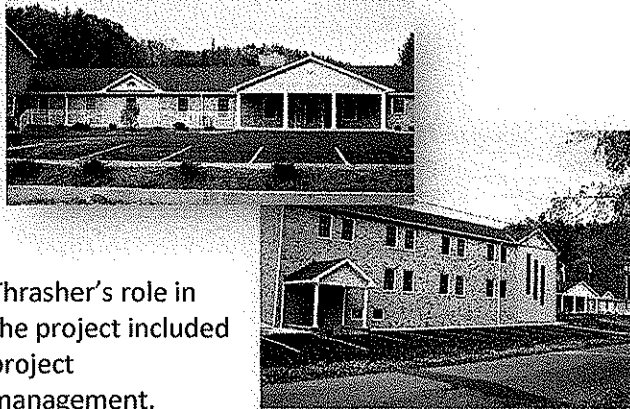
Raleigh Co. 911 Center

TMH MRI Addition- Ashton Place

RELATED PRIOR EXPERIENCE

RENOVATIONS AND NEW FACILITIES – RESIDENTIAL UNITS

ELKINS HOSPICE CENTER



Thrasher's role in the project included project management, architectural and interior design and construction

management. The project consisted of the complete interior stripping and remodel of an existing 5800 sf nursing home facility to create a state of the art hospice facility. The renovation created a 12-bed facility to meet the owners' goal of a hospice which was "as comforting and home-like as possible". This was achieved with the use of deep, warm earth tones, natural hardwood trim and accents, patient and family lounge facilities with oversized sofas and residential style lighting. Each patient room is furnished with a private desk, wide screen flat panel TV and sitting area. Additionally, each room contains its own thermostat to allow individual comfort levels.

Special care was taken to conceal all healthcare amenities to maintain the family/home feel of the hospice. A 1200 square foot addition was included in this aspect of the project to contain all laundry facilities as well as necessary support staff amenities. The full sprinkler, fire alarm, nurse call and oxygen system makes this facility to meet all state and federal codes for health care structures.

In addition to the remodel, a 2-story, 7600 sf administration addition was constructed and connected to the patient care area. This houses 8 private offices, 18 cubicles, 3 large conference rooms; staffs break rooms, elevator and full basement. The exterior brick was specifically matched to the existing structure to obtain a more cohesive structure.

Building size:

Patient care – 6,900 square feet (12 beds) Administration- 7,600 square feet (2-story)

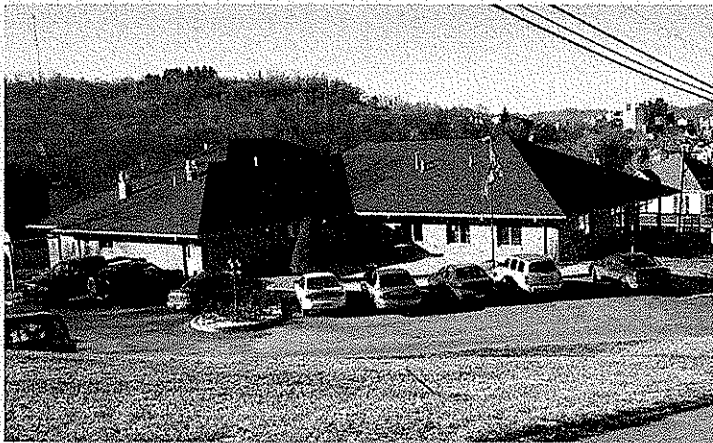
Owner's Name: Hospice Care of WV
Contact: Ms. Malene Davis, President
Address: P.O. Box 760
Highway 92 South
City/ State: Arthurdale, WV 26520
Phone: 304-864-0884 ext. 815
Fax: 304- 864-3373
E-mail: mdavis@hospicecarecorp.org

Total Project Cost: Cost:
\$2,410,880.00.

Project Status: Complete/ Occupied
Funding Sources: Private Donation



ALTA VISTA SHELTER AT GENESIS, INC.



Genesis Youth Crisis Center, Inc. operates two programs dedicated to serving youth in crisis. Both short-term emergency residential shelters provide a therapeutic environment comprised of supportive counseling, group interaction, life skills and behavior management.

The Genesis Youth Center is a twelve bed facility serving youth from the ages of ten to seventeen. The Alta Vista Children's Shelter is an eight bed facility designed for children from the ages of six to fourteen. Alta Vista is the only emergency shelter in West Virginia licensed to accept children as young as six.

Lee Gustafson, AIA, provided design and contract administration for the construction of the Alta Vista Center. This project encompassed a one story, 8 bed shelter for children ages 5 to 17. It included a wood frame, brick veneer, a shingle roof, clad wood windows, a commercial kitchen, a laundry room, 8 bedrooms, administrative offices, education space, and recreation areas (indoor and outdoor). The facility is a 4,000 square foot building with basement.

Genesis is now constructing an additional facility for which Thrasher is providing construction monitoring services on a pro-bono basis. Two of Thrasher's Project Managers serve on the Board of Directors for the facility.

Owner's Name: Genesis Youth Crisis Center, Inc.

Contact: Matt Rudder, Executive Director

**Address: 535 Horner Avenue
City/ State: Clarksburg, WV 26301**

Phone: (304) 622-1907

**E-mail:
matt.rudder@genesisyouthcenter.com**

Total Project Cost: \$560,000.00

Project Status: Complete/ Occupied

Funding Sources: Private Donation

VALLEY COMMUNITY MENTAL HEALTH CENTERS

These projects were the result of providing a quick response to an initial small renovation at the corporate headquarters located in Morgantown, West Virginia. Future projects expanded to include a new clinic in Grafton, the ACT (Alcohol and Chemical Abuse Treatment) unit in Fairmont and the plans for the STRU (Short Term Residential Crisis Center) and MRDD Facilities in Morgantown. These facilities cover both day patient and residential uses.

Each of these facilities is a one story walk-in with easily maintainable interiors. The exteriors are partially brick and partially cedar siding.

Owner's Name: Valley Community Mental Health Centers

Contact: Gerry Schmidt, COO

Address: 301 Scott Avenue

City/ State: Morgantown, WV 26508

Phone: (304) 296- 1731

FAX: 225-2288

Project Status: Complete/ Occupied

Funding Sources: Private

GRAFTON CLINIC - GRAFTON, WV

The Valley Community Mental Health Centers Grafton Clinic involved constructing an addition and the renovation of a former lawn equipment store for use as a new office building.

Office Addition

- Fiberglass Wall & Ceiling Insulation
- Shingled Roof
- Drywall on Wood Stud Partitions
- Plastic Laminate Counterwork
- Attic Access
- Client & Staff Restrooms
- Attic Access
- Entry Skylights
- Interior Sound Batt Insulation
- Two HVAC Systems with Air Handlers
- Interior and Exterior Wiring and Lighting
- Grading for New Parking and Lawn Areas
- All Site Utilities
- Removal of Oversized Concrete Footings

PROJECT COST \$229,000.00



Office Renovation

- Removal of Interior Partitions and Fixtures
- New Partition Framing
- Roof Framing Additions and Modifications
- New Exterior Windows and Doors
- Cutting and Patching of Existing Slab for New Sanitary Sewer Lines and Leveling Repairs
- Sealing of Existing Foundation Cracks
- New Exterior Siding
- Brick Work
- New Shingles to Match Addition

**ACT UNIT (ALPHA CHEMICAL DEPENDENCY TREATMENT) RESIDENTIAL CENTER –
FAIRMONT, WEST VIRGINIA**

This 5,750 square foot structure is designed to house 12 residents for treatment, and is a one story wood frame with brick veneer structure, with a concrete slab grade floor.

- Fiberglass Wall & Ceiling Insulation
- Shingled Roof
- Drywall on Wood Stud Partitions
- Plastic Laminate Counterwork
- Shower Rooms With Floor and Wall Tile
- Kitchenette Unit
- Client & Staff Restrooms
- Roof Windows
- Interior Sound Batt Insulation
- Laundry Room
- Sanitary Sewer Grinder Pump Station
- Parking and Lawn Areas
- Concrete Walks and Curbs
- Utility Connections



Project Cost: \$392,000.00

Architectural Design was also provided for the following facilities which have not yet been constructed:

VALLEY STRU (SHORT TERM RESIDENTIAL UNIT):

Design Elements Included:

- 7,000 Sq Ft, one story wood frame with brick veneer
- Concrete floor.
- Fiberglass Wall & Ceiling Insulation
- Shingled Roof
- Drywall on Stud Partitions
- Plastic Laminate Counterwork
- Serving Kitchen and Kitchenette Unit
- Skylights & Insulated Casement Windows
- Three HVAC Systems with Air Handlers
- Two Shower Rooms
- Client & Staff Restrooms
- Interior and Exterior Lighting Fixtures
- Grading for Parking Lot
- Concrete Walks and Curbs
- Paved Parking Areas
- Site Utilities

CORTLAND ACRES MASTER PLANNING FOR HOUSING, CLINIC, ADULT & CHILD DAYCARE, & FUTURE REPLACEMENT FACILITY



Owner: Cortland Acres
Contact: Don Black, Administrator
Address: HC 60, Box 98
City / State: Thomas, WV 26292
Phone: 304.463.4181
Fax: 304.463.4190

CANOPY & AUTOMATIC ENTRANCE DOORS

This project included a canopy to protect guests, ambulances, and deliveries from the often severe weather of Tucker County. It also enclosed the original porch with a window wall and automatic entrance doors. The main structure is a steel frame with wood trusses and brick and mansard finishes matching the existing building. Work also included the paving of the drop-off area and circle drive and a hydronic snow melting system.

Canopy Size: 1,600 Square Feet
Cost: \$110,000



ALZHEIMER'S DEMENTIA ADDITION

This project consisted of a D-Wing conversion and activity room addition for the Alzheimer and Dementia residents

Addition Size: 3,120 Square Feet **Cost:** \$283,000



DINING ROOM & OFFICE ADDITIONS

This project included additions to the "A" Wing for dining and administrative areas.

Addition Size: 2,680 Square Feet **Cost:** \$69,647.00

WELLNESS & THERAPY ADDITION

This 3,460 square foot addition replaced the existing Physical and Occupational Therapy areas and greatly increased the space to include Outpatient Therapy and Community Fitness programs. The gym will house therapy and fitness equipment, and provide open floor space for a variety of fitness activities.

The "Endless Pool" is a first of its kind in this region of the state and allows for continuous walking and swimming against a steady current or therapeutic massage from the hydro jet system. Administrative areas include Outpatient Reception, Waiting Room, and Shower Rooms, as well as Offices, Record Rooms, and Private Treatment Rooms.

Construction in general is a wood frame with brick veneer and mansard fascia and EPDM roofing to match the existing building. Special features include high transom windows and cushioned vinyl flooring in the gym to allow for both natural light and a view of the wooded surroundings.

Addition Size: 3,460 Square Feet **Cost:** \$461,925



LAUNDRY ADDITION

This project consisted of the removal of the original laundry area and the addition of an all new laundry facility.

Addition Size: 950 Square Feet **Cost:** \$76,066.00



PT & OT RENOVATIONS

Renovation Size: 250 Square Feet
Cost: \$15,000

GUEST ROOM & PERSONAL CARE ADDITION

Addition Size: 1,050 Square Feet **Cost:** \$92,600

MAINTENANCE GARAGE

Addition Size: 506 Square Feet **Cost:** \$12,500

KITCHEN & STORAGE ADDITIONS

Addition Size: 450 Square Feet **Cost:** \$27,000

PENDLETON COUNTY NURSING HOME

Roof & HVAC Replacement



Client: Pendleton Nursing Home
Contact: Anna Mae Harman
Phone: 304-358-2322

Project Classification:
Roof Replacement
HVAC Replacement

Building Size:
28,000 Square Feet

Cost: \$516,000

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.

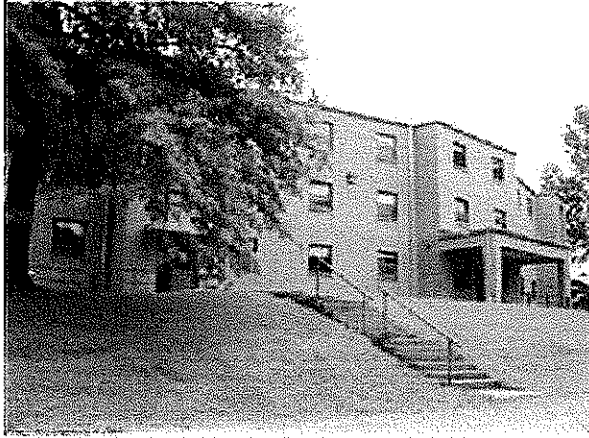
The roof outside of the enclosure was also replaced. This project consisted of removing the existing EPDM roofing, patching existing insulation, adding tapered insulation and re-roofing. The HVAC replacement consisted of the removal and replacement of exhaust systems and the installation of all new rooftop 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.

All work had to be completed with fully occupied conditions.



SALEM UNIVERSITY RENOVATIONS



This project consisted of renovating the Randolph Hall Dormitory at Salem International University. This building had been vacant for nine years. One aspect of the project included replacing the roof with ballasted rubber. This building consisted of four floors, with sixteen rooms per floor and a student lounge area. The work included asbestos abatement, new doors and windows, wardrobes, finishes for flooring, walls and ceilings, mechanical and electrical systems, fire alarm systems, telephone and cable television systems and restrooms. This project also included a new lounge and apartment area, site work and demolition of an existing home for a new parking area.

Project Cost: \$600,000 **Building Size:** 18,000 Square Feet

Owner's Name: Salem International
University

Address: 223 West Main Street

City/ State: Salem, WV

Phone: (304) 782-5287

Project Status: Complete/ Occupied

Funding Sources: Private

RELATED EXPERIENCE – SECURE FACILITIES

PROGRESS CENTRE – WHITE OAKS BUSINESS PARK



**Owner's Name: High Tech Corridor
Development LLC
Contact: Mr. Jack Keely
Phone: 304-622-2400
Total Project Cost: \$2,600,000.00**

Thrasher Engineering, Inc. has been retained to design two multi-tenant office buildings, along with a retail strip center. The Progress Centre building is the first of those completed. The office building is brick and masonry construction with asphalt shingles and epdm roofing. Designed for up to 6 businesses, the building includes centrally located core spaces including a shared lobby, stairs, elevator and conveniences. As one of the first tenants in the building is a firm providing services under US government contracts, the building security system was required to be priority. Modernly secure facility equipped with card reader systems at all entrance points. Wireless, broadband communications are included in this, and all planned facilities at the 88 acre park. Construction cost: \$2,600,000.00

Project size: 2- story / 20,000 square foot

CITY OF OAK HILL POLICE STATION

Thrasher Engineering's Architectural Division worked as a team in the design and construction monitoring for the City of Oak Hill's new Police Station facility. Services included site development engineering and architectural design. The oversight of design of electrical, plumbing and mechanical was included.

This project consisted of constructing a 6,500 square foot police station facility that included eight offices, a workout facility, and a holding area, secure evidence room, booking area, dispatch area and a municipal court / multipurpose room. A two-car sally port was also constructed and the facility was equipped with a state-of-the-art security system that includes card readers on all secure doors. Roofing for the building was entirely of EPDM

**Owner's Name: City of Oak Hill, WV
Contact: Chief Michael Whisman
Phone: 304-6465-0591
Total Project Cost: \$1,370,000.00**



RELATED EXPERIENCE – BUILDING DEMOLITION

CITY OF MANNINGTON, WV DEMOLITIONS



The City of Mannington, West Virginia was awarded a Small Cities Block Grant to demolish three structures under the elimination of slum and blight aspect of HUD's Small Cities Block Grant Program.

The project consisted of the demolition of four structures, three of which involved adjoining buildings within the same City block. Thrasher Engineering's scope of services for the project included oversight of asbestos analysis, environmental assessment and permitting, preparation of bid documentation, and contractor's oversight. Stream restoration was also involved in the project as three of the four structures were along Buffalo Creek, which flows in the middle of the town.

Thrasher completed HUD Environmental Report forms Part A Section 23 and Part B Section 30 of the HUD 4128 forms that focused on hazardous material. Thrasher Engineering Inc. provided guidance in completing the forms for asbestos management.

The City was awarded \$150,000.00 for the grant. As bids for the demolition were over the allotted award, Thrasher Engineering and the town received additional funds from the WVDO. Those funds were used to meet the demolition costs; the balance of funds was utilized to create a graveled parking area on the remaining lots.

Owner's Name: City of Mannington, WV

Contact: Michele Fluharty

Address: 206 Main Street

City / State: Mannington, WV 26582

Phone: 304-986-2700

Funding Source:

HUD – Small Cities Block Grant

Cost: \$233,455.50

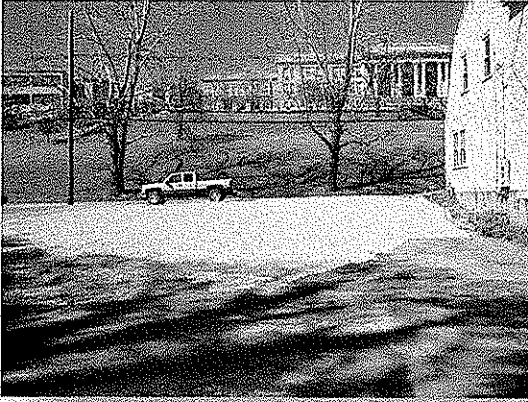
Project Status:

Completed/August 2004

Project Size:

Four total buildings, with estimated square footage of 18,800 square feet.

FAIRMONT STATE UNIVERSITY BUILDING DEMOLITIONS



Owner's Name: Fairmont State University
Contact: Mr. Jim Decker
Address: 1201 Locust Avenue
City / State: Fairmont, WV, WV 26554
Phone: 304- 367-4861
Cost: \$367,304
Project Status: Complete

Project Size: 57,100 sq ft in multiple structures.

PROJECT DESCRIPTION/SERVICE PROVIDED: As part of its 10-year master plan project, Fairmont State University hired Thrasher Engineering to survey, prepare construction documentation and oversee the demolition of five homes along Locust Avenue in Fairmont and an additional 5 homes on East Garden Lane and Bryant Street.

The project consisted of the demolition of houses and one detached garage, asbestos abatement of three of the five houses, capping of service utilities, minor grading and placement of separation fabric and crushed aggregate stone. Thrasher Engineering's scope of services for the project included oversight of asbestos analysis, environmental assessment and permitting, preparation of bid documentation, and contractor's oversight.

REFERENCES

Mr. Jim Decker, Assistant VP of Facilities
Fairmont State University
Fairmont, WV

(304) 367-4861

Mr. Bill Hannabas, City Manager
City of Oak Hill
Oak Hill, WV

(304) 469-9541

City of Oak Hill
Police Chief Michael Whisman
Oak Hill, WV

(304) 465-0591

High Tech Corridor Development, LLC
Mr. Jack Keeley
Clarksburg, WV

(304) 622-2400

Pinecrest Development Corporation
Mr. Bill Baker
Beckley, WV

(304) 929-2010