



**Statement of Qualifications
For
Architectural and Engineering Services
To the**

WEST VIRGINIA DEPARTMENT OF AGRICULTURE

ARCHITECTURAL / ENGINEERING SERVICES

FEBRUARY 23, 2010

RFP # AGR 1013

Submitted By

THRASHER
ENGINEERING
CIVIL • ENVIRONMENTAL • CONSULTING • ARCHITECTURE • SURVEY

30 Columbia Boulevard
Clarksburg, West Virginia 26301
304-624-4108
304-624-7831-Fax
thrasher@thrashereng.com
www.thrashereng.com

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WV PURCHASING
DIVISION



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

(304) 624•4108
Fax: 624•7831
thrasher@thrashereng.com
www.thrashereng.com

February 17, 2010

West Virginia Department of Agriculture
C/o Mr. Ron Price
West Virginia Department of Administration / Purchasing Division
2019 Washington Street East, Building 15
Charleston, WV 25305

**RE: Architectural and Engineering Services – Office Building
RFP #AGR 1013**

Dear Mr. Price and Members of the Selection Committee:

As demonstrated in this Statement of Qualifications, Thrasher Engineering, Inc. (Thrasher) is highly experienced in the planning, design and construction of office buildings in addition to providing all site development / infrastructure engineering services to support those structures. This experience will be of great benefit to the State of West Virginia and Department of Agriculture. We greatly appreciate the opportunity to present our qualifications for consideration.

Our qualifications meet and exceed the criteria for selection of the architectural / engineering firm for the development of the office building. 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, survey, construction management and materials testing. Only Mechanical –Electrical – Plumbing engineering is sub-contracted for our architectural projects.
- ❑ **Specialized focus on the Design and Construction of Office Buildings:** Thrasher Engineering, Inc. added architecture design to our scope of services in 2005. Since that time, our architectural team has developed a roster of repeat clients and project experience in office buildings of various sizes for private and commercial clients.
- ❑ **Accurate Project Estimating:** Our approach to architecture is different from that of most architecture firms: we take an engineering methodology 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. 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.

As instructed, enclosed please find one (1) original and three (3) convenience copies of our Expression of Interest along with required documentation.

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

Sincerely,

THRASHER ENGINEERING, INC.



CHAD M. RILEY, P.E.
Principal-In-Charge



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
AGR1013

PAGE
1

ADDRESS CORRESPONDENCE TO ATTENTION OF
**RON PRICE
 304-558-0492**

VENDOR

RFQ COPY
 TYPE NAME/ADDRESS HERE
 THRASHER ENGINEERING, INC.
 30 COLUMBIA BLVD.
 CLARKSBURG, WV 26301

SHIP TO

DEPARTMENT OF AGRICULTURE
 ADMINISTRATIVE SERVICES
 BUILDING 2, ROOM 106
 4720 BRENDA LANE
 CHARLESTON, WV
 25312 304-558-2221

DATE PRINTED	TERMS OF SALE	SHIP VIA	FOB	FREIGHT TERMS
01/21/2010				

PENING DATE: **02/23/2010** **BID OPENING TIME 01:30PM**

LINE	QUANTITY	UCP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
1	1	LS		906-07		
DESIGN OF AN OFFICE BUILDING EXPRESSION OF INTEREST TO PROVIDE ARCHITECTURAL/ENGINEERING SERVICES FOR THE DESIGN OF A SIMPLIFIED OFFICE BUILDING PER THE ATTACHED. WRITTEN QUESTIONS WILL BE ACCEPTED UNTIL THE 4:30 PM ON FEBRUARY 2, 2010 AT THE FOLLOWING: RON PRICE PURCHASING DIVISION 2019 WASHINGTON STREET EAST CHARLESTON, WV FAX: 304-558-4115 EMAIL: RON.N.PRICE@WV.GOV NOTICE A SIGNED BID PLUS 3 CONVENIENCE COPIES MUST BE SUBMITTED TO: DEPARTMENT OF ADMINISTRATION PURCHASING DIVISION BUILDING 15 2019 WASHINGTON STREET, EAST CHARLESTON, WV 25305-0130						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE TELEPHONE 304-624-4108 DATE FEBRUARY 22, 2010

PRINCIPAL-IN-CHARGE ID 55 0633 596 ADDRESS CHANGES TO BE NOTED ABOVE

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



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
AGR1013

PAGE
2

ADDRESS CORRESPONDENCE TO ATTENTION OF
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RFQ COPY

TYPE NAME/ADDRESS HERE

VENDOR

THRASHER ENGINEERING, INC.
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 CLARKSBURG, WV 26301

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 4720 BRENDA LANE
 CHARLESTON, WV
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LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
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THE BID SHOULD CONTAIN THIS INFORMATION ON THE FACE OF THE ENVELOPE OR THE BID MAY NOT BE CONSIDERED:

SEALED BID

BUYER: RP-41

RFQ. NO.: AGR1013

BID OPENING DATE: 02/23/10

BID OPENING TIME: 1:30 PM

PLEASE PROVIDE A FAX NUMBER IN CASE IT IS NECESSARY TO CONTACT YOU REGARDING YOUR BID:

304-624-7831

CONTACT PERSON (PLEASE PRINT CLEARLY):

CRAIG BAKER, ASSOCIATE AIA

***** THIS IS THE END OF RFQ AGR1013 ***** TOTAL: _____

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE *Craig Baker* TELEPHONE 304-624-4108 DATE February 19, 2010

PRINCIPAL-INCHARGE FEIN 55 0633 596 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 exceed 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, Incorporated

Authorized Signature: *[Signature]* Date: February 19, 2010

State of West Virginia

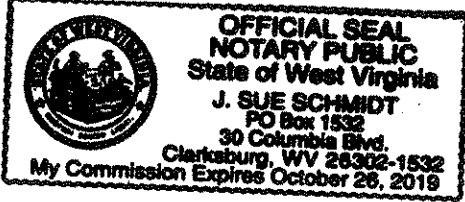
County of Harrison, to-wit:

Taken, subscribed, and sworn to before me this 18th day of February, 2010

My Commission expires October 26, 2019.

AFFIX SEAL HERE

NOTARY PUBLIC *[Signature]*



EXECUTIVE SUMMARY

Personnel from the architecture and site development engineering divisions of Thrasher Engineering, Inc. (Thrasher) have carefully reviewed the information provided in RFQ # AGR1013 and have visited the proposed site for a new West Virginia Department of Agriculture (WVDA) building to provide office and storage space for staff working with cooperative agreement programs. The review and visit have allowed the Thrasher team an opportunity to realize the scope of services necessary for the project and visualize the functional needs and planned aesthetic design of the new facility.

PROJECT UNDERSTANDING:

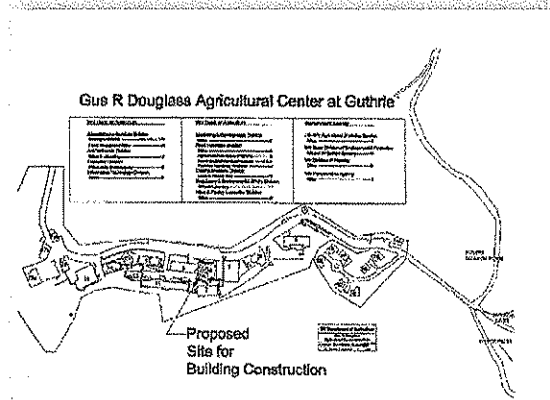
The WVDA proposes to construct a two story office building approximately 4096 square feet in size and has outlined its general vision for the building including its space utilization requirements. Thrasher's understandings of those requirements and the scope of services for the project are as follows:

BUILDING SITE DEVELOPMENT:

The building will be located within the Gus R. Douglass Agricultural Center as noted on the diagram and in the photographs.

The selected site has physical space limitations, thereby limiting the building footprint to no larger than 66' x 34'. Additionally, adequate parking for building personnel and visitors will need to be incorporated into the site development plan.

As the site is within an office complex, the design for utility infrastructure to serve the building will be minimal.



THE OFFICE BUILDING

EXTERIOR

As noted earlier, this facility is planned as a 4,096 square foot two-story building with sufficient space for offices and storage.

Aesthetically, the design should be simple, functional and maintainable while complementary to the existing structures within the Center campus.



INTERIOR

The Department has outlined specific space utilization requirements for the new building. Room needs and requirements are as follows:

- Office space for administrative and survey personnel
- Reception area
- One (1) shared conference room
- One (1) small break / lunch room
- Climate controlled storage area(s)
- Small laboratory space
- Storage space

The need for LEED design is not a defined aspect for this project, however, energy saving design will be of importance.

Based upon the project understanding, the Thrasher team is certain that our combination of architectural and engineering expertise that focuses on detailed design and accurate estimating will result in an aesthetically pleasing, space efficient facility that meets your needs and your budget.

QUALIFICATIONS SUMMARY:

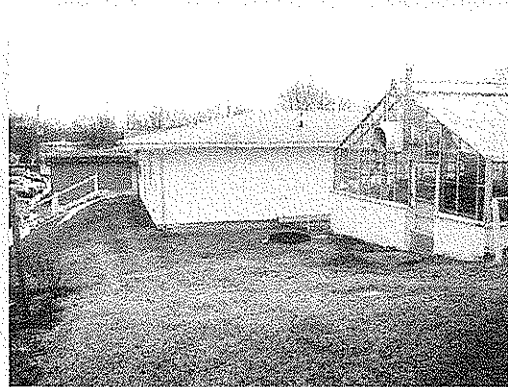
The Thrasher team offers this summary of qualifications which are expanded upon in the following sections:

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

New office 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. As demonstrated in this Expression of Interest (EOI), we have specific experience in buildings of the size and type desired by the Department of Agriculture

- 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.

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.



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

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

Because of the site size limitations, the new WVDA project is one that will require a balanced mix between solid engineering and aesthetic 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 inspecting the project by visiting the project site on a more frequent basis than other firms. In doing so, we ensure an on-going dialogue with the owner 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.

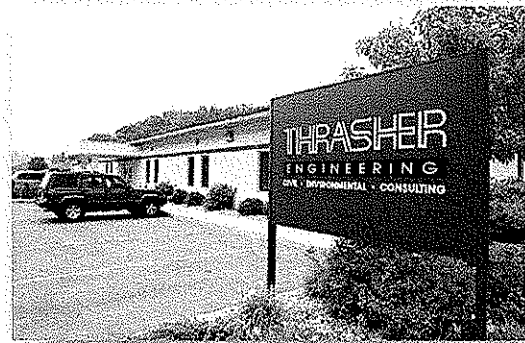
The corporate philosophy of Thrasher Engineering – "Successful Projects...Repeat Clientele" is one we want to apply to the Department by providing architectural services for your facility.

STATEMENT OF QUALIFICATIONS

Thrasher Engineering, Inc. (Thrasher) provides the WVDA the advantage of providing the full scope of services for its new office building project under *single corporate management.*

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.



ARCHITECTURAL / ENGINEERING QUALIFICATIONS

Exceptional customer service, versatility, quality and experience are the benefits realized by the selection of Thrasher for the office building 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, including the Rahall Center at the Woodlands in Beckley, West Virginia, the Shenandoah Office Park in Martinsburg and the Progress Center recently constructed at White Oaks Business Park in Bridgeport, WV.



In addition to our ability to provide the necessary services for architecture, civil engineering and field services under Thrasher Engineering, Inc.'s selection brings the following benefits to the WVDA's 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**.

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 civil engineering firm that can surpass Thrasher Engineering in the quality of service and technical ability necessary to meet the needs of the WVDA in their plans for their additional office building.

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.

TECHNICAL EXPERTISE AND PROJECT APPROACH

PRELIMINARY PLANS AND COST ESTIMATES

STUDY AND PLANNING

The Thrasher Engineering, Inc. project team leaders in both Architecture and Engineering will have an initial Design Charrette with the representatives of the WVDA to establish a solid owner/architect/engineer working relationship. This will also allow us to set up the lines of communication and determine how decisions will be made.

During this meeting we will develop a program that outlines the proposed purposes and needs of the building. We will begin by developing and sketching concepts to get ideas rolling in our initial meeting. This will also allow us to develop a specific schedule and provide us the opportunity to set deadlines.

Once your program is laid out we can begin to determine what your main goals are for the project. Any special needs or requirements will also be discussed and reviewed.

These could include any interest in "green" construction, overall exterior and interior look preferences, and/or building materials.

Before we completely begin the schematic phase we will have a survey crew from our Charleston office perform a full survey of the property to provide us with topography, utilities, etc., which will allow us to accurately determine the building parameters.

SCHEMATIC / PRELIMINARY DESIGN AND PROJECT COST ESTIMATES

During our first meeting, a preliminary budget for construction and fees will be discussed to allow the Thrasher team to "hit the drawing board" immediately to develop schematic designs that suit the needs outlined in the initial meetings. A preliminary cost estimate can be determined on the particular designs along with presenting a list of alternatives that could cut costs if it is initially too high.

Once we have finalized the schematic design we will begin the "design development" phase. At this point, we will begin to incorporate structural & MEP concepts as well as reach agreement on the building site amenities and landscape concepts. This design development phase will also include all evaluation reports regarding utilities for the site. We prefer to have more than one review session with the owner before we complete the documents, plans and design data which may be required for governmental agencies and authorities and permitting agencies. We will sit down with all local and State Code officials (if possible) and have a preliminary review of the plans. This will allow us to catch any problems that there may be with the design early to avoid any delays later on in the final submittal

FINAL DESIGN PHASE

After the final schematic design is approved and regulatory approvals are secured, we will then begin developing bid / construction documents. We consistently provide unmatched quality construction documents that detail every aspect of the building which will guarantee more competitive and comparable bids. This will minimize change orders and provide you with a better finished product. We will provide the Board and its representatives with a review set of documents at the 25% complete point to make any changes that you desire.

At the 50% construction document level we will sit down with all local and State Code officials again (if necessary) and have an additional review of the plans. This will allow us to catch any problems that there may be with the design early to avoid any delays later on in the final submittal. We will also provide you with another review set at this time.

As a matter of quality control, we will once again provide you with another review set that is approximately 90% complete. Once the construction documents are 100% complete we will submit the plans to the necessary agencies for their final review. If there are any comments we will make the necessary changes and have all documents ready for bidding. We will work with the WVDA to assemble the bid documents, including all applicable local, state, and federal requirements. We will obtain all final regulatory and permitting approvals and provide the final plans, specifications, and contract / bid documents. We will use our large database of unit bid prices, along with our local knowledge and expertise in office building construction projects to provide a detailed, thorough final construction cost estimate.

BIDDING PHASE / CONSTRUCTION PHASE

Thrasher Engineering, Inc. has completed numerous projects throughout West Virginia. We will use that experience to ensure that the appropriate documents are included in the contract documents.

If requested by the WVDA and the State Purchasing Office, we will attend & participate in the pre-bid, bid opening and pre-construction conferences. We pride ourselves on the fact that our projects typically have more bidders than our competitors, leading to more competitive pricing. This can be attributed to our depth of understanding of how to bid publicly funded projects. Contractors like fairness and don't like risk. We take extensive measures to make sure that bidding issues and the construction plans are detailed and clearly defined, providing a fair bidding environment and minimized risk to contractors.

Throughout the construction phase, we will serve as the Department's representative to the extent requested. As construction is completed we will complete a final walk through to insure that the building is acceptable and will issue the certificate of substantial completion. We will also handle any other close out services that you request. Once construction is complete we will provide you with as-built drawings that are based on the final finished product, along with a manual of all shop drawings & equipment literature for your records.

We will have exceeded your expectations and guarantee that you will hire us again for future work!

MANAGEMENT AND STAFFING CAPABILITIES

WEST VIRGINIA DEPARTMENT OF AGRICULTURE

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

**CRAIG BAKER, ASSOCIATE AIA
PROJECT MANAGER**

**LEE GUSTAFSON, AIA
SENIOR ARCHITECT**

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

**THRASHER ENGINEERING
CHARLESTON, WV
SURVEY DEPARTMENT**

**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**

The expertise of the Thrasher Engineering staff is a combination of education and experience; it is reflected in all aspects of our services. The firms are 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 Authority will benefit from the resources of not only Thrasher Engineering for their project, but also services provided **Harper Engineering**, a newly formed M-E-P firm whose partners are highly experienced in office building facilities.

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 and Project Manager. His experience related to your project includes site development for all infrastructure improvements at Fairmont State University and the development of White Oaks Business Park, Wolf Creek Park and Pinecrest Business Park along with over 10 other industrial and business parks throughout West Virginia. Mr. Riley is a graduate engineer from Fairmont State University. He will serve as **Principal-In-Charge and Project Manager** 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 20,000 and 30,000 square foot buildings in White Oaks Business Park and Shenandoah Office Park, respectively. 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**.

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 Engineering in the State of West Virginia.

The Thrasher Engineering, Inc. team also offers the field services necessary to meet the entire scope of your project. Survey, along with construction management and materials testing will also be provided by our team.

Mechanical-Electrical-Plumbing aspects of the design will be under the direction of **Jason Harper, P.E.** 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.

Resumes of these team members follow.

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 Authority 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

- WVU Natatorium - Complete renovation of the mens and womens 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*
- ❑ *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*
- ❑ *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*

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 Authority
- Genesis Youth Center Board Member
- Clarksburg Rotary
- Past Member of Allohak Council Boy Scouts of America

REPRESENTATIVE PROJECT EXPERIENCE

- 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 compliment 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 were 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*
- 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.*

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.*

RECENT PROJECTS

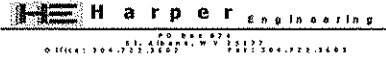
- Town of Nutter Fort Safe Routes to Schools: More than 300 feet of sidewalk was installed for the purposes of providing a safer environment for area school children. The project, done in conjunction with the Town and the Harrison County Board of Education, also involved road striping, signage, and barricades for students and ADA-compliant ramps.*
- City of Pleasant Valley Sidewalks/Safe Routes to Schools: Working with the local regional planning and development council, we have successfully design and constructed approximately 2000 feet of sidewalk using transportation enhancement funds. Currently we are designing a phase 3 portion of sidewalk for the city that will provide a safe route for students to walk to the local elementary school as part of the Safe Schools program. Typically these types of projects stay within the WVDOH right of way and therefore have to reviewed and approved by them.*
- City of Salem Slip Repairs: The goal of the project was to repair two slip areas that occurred below a city street and above some residential structures. The problem areas where investigated by a geo-tech engineer. Based on site conditions and funds, the most efficient method to correct the problems were to use gabion walls.*
- City of Ripley, Main Street Revitalization: This project was one of kind for us in that we were taking all of the existing overhead utility lines along Main Street and putting them underground in conduit. The project involved direct coordination with the utility companies to ensure they had the necessary number, size, and location of conduit. Beyond the utilities, the Main Street was designed with new sidewalks that incorporated brick pavers, hand railing, decorative street lights, and handicap ramps.*
- Wirt County Commission Sidewalks: Worked for both the Wirt Co. Commission and the Town of Elizabeth for the design of approximately 1000 square yards of sidewalk. The project consists of replacing sidewalk around the courthouse square and along the main street in the town.*

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*



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

<i>Summersville Readiness Center</i>	<i>Independence High School HVAC</i>
<i>Lewisburg Readiness Center</i>	<i>Liberty High School HVAC</i>
<i>WVARNG Fire Station</i>	<i>Grafton High School Addition</i>
<i>Mylan Pharmaceuticals Expansion</i>	<i>Robert Byrd Health Science Center</i>
<i>Raleigh Co. 911 Center</i>	<i>TMH MRI Addition- Ashton Place</i>

RELATED PROJECT EXPERIENCE

RAHALL TECHNOLOGY BUILDING – PINECREST BUSINESS PARK

A. DESCRIPTION AND LOCATION: 10,000 Square Foot Office Building, Raleigh County, West Virginia – Funded by US Department of Commerce – Economic Development Authority

B. STARTING DATE: 2006

COMPLETION DATE: 2007

ORIGINAL COST ESTIMATE: \$1,800,000.

FINAL COST OF SERVICES: \$1,832,000.

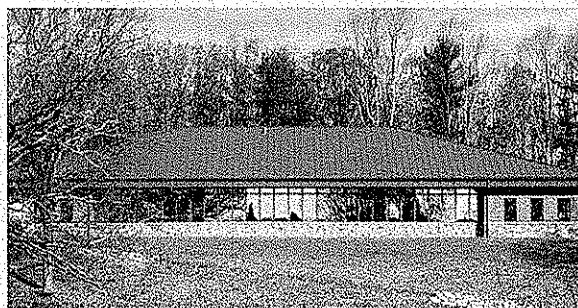
C. CONTACT:

Pinecrest Development Corporation
Bill Baker
200 Main Street
Beckley, WV 25801
(304) 929-2010
Fax 929-2009

D. LEAD FIRM: Thrasher Engineering, Inc.

E. OTHER FIRMS: CMA Engineering – MEP Services (Assigned Staff Now with Harper Engineering – MEP Sub-consultant for this project)

F. LEAD ENGINEER: Chad M. Riley, P.E.
LEAD ARCHITECTS: Craig Baker, Assoc. AIA
Lee Gustafson, AIA



H. SYNOPSIS: 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.

- 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.

PROGRESS CENTRE – WHITE OAKS BUSINESS PARK

- A. DESCRIPTION AND LOCATION:** 20,000 Square Foot Multi-Tenant Office Building, Harrison County, West Virginia
- B. STARTING DATE:** May 2009
COMPLETION DATE: December 2009 Schedule
- C. ORIGINAL COST ESTIMATE:** \$ 3,200,000.
FINAL COST OF SERVICES: \$2,600,000.
- D. CONTACT:**

High Tech Corridor Development, LLC
Mr. Jack Keeley
304-622-2400
- E. LEAD FIRM:** Thrasher Engineering, Inc.
- F. OTHER FIRMS:** Harper Engineering – MEP Sub-consultant for this project
- G. LEAD ENGINEER:** Chad M. Riley, P.E.
LEAD ARCHITECTS: Craig Baker, Assoc. AIA
Lee Gustafson, AIA



H. SYNOPSIS: Thrasher Engineering, Inc. was retained to design both this 20,000 square foot mixed-use office building along with a retail strip center.

The planned office building will be of brick and masonry construction with a slate roof. Designed for up to 6 businesses, the building includes centrally located core spaces including a shared lobby, stairs, elevator and conveniences. Wireless, broadband communications are included in this, and all planned facilities at the 88 acre park.



SHENANDOAH OFFICE PARK – MARTINSBURG, WV

A. DESCRIPTION AND LOCATION: 20,000
Square Foot Multi-Tenant Office Building
Martinsburg, West Virginia

B. STARTING DATE: 2006
COMPLETION DATE: 2007

C. ORIGINAL COST ESTIMATE: \$ 3,232,000.
FINAL COST OF SERVICES: \$ 3,248,000
(Site Development and Structure)

C. CONTACT:

US Government – GSA

Jamie Thompson – Project Mgr. 215-446-4665

Stacy Keefer – Project Mgr. 215-446-4579

Charles Green – Project Mgr. 215-446-4568

Mon Valley Bank

Larry Mazza – President 304 -842-6700

D. LEAD FIRM: Thrasher Engineering, Inc.

E. OTHER FIRMS: CMA Engineering – MEP Services
(Assigned Staff Now with Harper Engineering –
MEP Sub-consultant for this project)

F. LEAD ENGINEER: Chad M. Riley, P.E.
LEAD ARCHITECTS: Craig Baker, Assoc. AIA
Lee Gustafson, AIA

D. SYNOPSIS: The project consisted of the design for two, two story **multi-purpose office buildings totaling 50,000 square feet.** The first completed building is a 20,000 square foot two story structure. The building features a brick exterior and green metal roof meeting all ADA requirements, including an elevator. The scope of services for the project included site development, exterior design and structural engineering, interior design including carpet and color selection. Tenants of the building include Mon Valley Bank, an engineering firm and two government agencies.



Thrasher also designed MVB's facility in Bridgeport, WV

CAMBRIDGE PLACE OFFICE PARK – BRIDGEPORT, WV

A. DESCRIPTION AND LOCATION: Cambridge Place Office Park is an ongoing development of executive office space in a park-like setting. This development consists of six 7,000 square foot buildings, two of which are complete and the third is currently under construction.

B. STARTING DATE: 2004

COMPLETION DATE:

On-Going

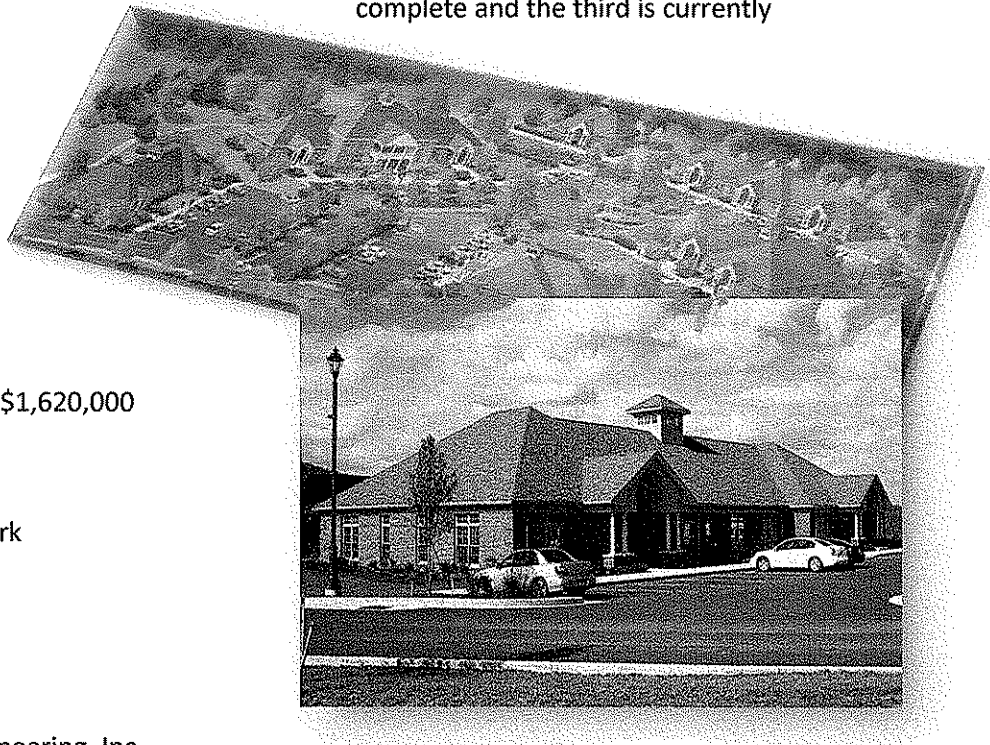
C. FINAL COST (FIRST BUILDING)

ESTIMATE: \$1,500,000.00

FINAL COST OF SERVICES: \$1,620,000

D. CONTACT:

Cambridge Place Office Park
Mr. Greg Zerkel
102 Cambridge Place
Bridgeport, WV 26330
304-842-5556



E. LEAD FIRM: Thrasher Engineering, Inc.

F. OTHER FIRMS: CMA Engineering – MEP Services (Assigned Staff Now with Harper Engineering – MEP Sub-consultant for this project)

G. LEAD ARCHITECTS: Craig Baker, Assoc. AIA / Lee Gustafson, AIA

H. SYNOPSIS: These buildings are one-story, brick veneer and shingle clad structures with clad wood windows and monumental entrance porticos. These porticos feature tower cupolas and exceptional landscaping. The interiors of these buildings are designed to meet tenant requirements while maintaining established standards of continuity. The scope of services for the project included site development, exterior design and structural engineering, interior design including carpet and color selection.

ADDITIONAL REFERENCES

In addition to the references we have provided with our project experience, we are providing the following contacts. We encourage inquiries as to our capabilities and record of performance.

Ms. Judy Radford, Executive Director (304) 254-8115
4-C Economic Development Authority
Beckley, WV

Commissioner Ken Eskew (304) 574-1203
Mr. Dave Pollard
Fayette Co. Commission
Fayetteville, WV

Mr. Jim Decker, Construction Manager (304) 367-4861
Fairmont State University
Fairmont, WV

Mr. W.D. Smith (304) 872-4970
Region IV Planning and Development Council
Summersville, WV

Mr. Bill Hannabas, City Manager (304) 469-9541
City of Oak Hill
Oak Hill, WV