

*Expression of Interest to Provide Architectural and Engineering Services for the  
West Virginia Division of Natural Resources Parks & Recreation Section*

**March 30, 2010 / RFQ # DNR210166**



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WV DNR

# **Stonewall Jackson Resort State Park Pathway**

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**THRASHER**  
**ENGINEERING**  
CIVIL • ENVIRONMENTAL • CONSULTING • ARCHITECTURE • SURVEY

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March 30, 2010

Department of Administration  
Mr. Frank Whittaker  
Purchasing Division  
2019 Washington Street, East  
Charleston, West Virginia 25305-0130

**RE: *Expression of Interest for Architectural / Engineering Services  
Pathway at Stonewall Jackson Resort State Park DNR#210166***

Dear Mr. Whittaker, members of the DNR and other pertinent parties:

As demonstrated in this Expression of Interest, Thrasher Engineering is experienced in the design of pathways, similar to that which is being sought at the Stonewall Jackson Resort State Park. This experience will be of great benefit to the Division of Natural Resources and the Stonewall Jackson Resort State Park. We greatly appreciate the opportunity to present our qualifications in one (1) original and two (2) copies of this proposal and look forward to becoming your partner on this endeavor.

In addition to our thorough understanding of your needs, the benefits we offer as the engineering firm selected for this project include:

- 1. *Location:*** As our home offices are located in Clarksburg, we are less than an hour away from the Stonewall Jackson Resort. Our location at the Business & Technology Centre is just minutes from Interstate 79 and will allow us to immediately respond to any needs of the DNR that may arise in a timely and cost efficient manner throughout all phases of the analysis.
- 2. *Experience with Paths/Trails and Recreational Projects:*** Thrasher Engineering has recently provided engineering design services for the planning, design and construction of several path/trail projects, as well as several sidewalk projects. Our experience with previous entities is included in our "Relevant Project Experience" section. Our previous experience will be advantageous to the success of this project.
- 3. *Personnel:*** The personnel Thrasher Engineering has assigned to this project are experienced in the study and design of paths/trails/sidewalks and recreational venues, in addition to understanding environmental impact. Additionally, the current workload of the staff will allow them to complete the study and design in the time frame sought by the DNR.

4. **Accurate Project Estimating:** Once the DNR and other key parties agree on the final plans specifications, 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 clients time and money.

Along with these aspects of our abilities, our philosophy of utilizing a *teamwork approach* will be the key factor to a successful project. We listen to our clients and their needs, we work hand-in-hand with regulatory agencies to meet their criteria and we work closely with project administrators, counsel and consultants. Our success with this approach is shown in the repeat clientele and references included with the representative projects listed in this proposal.

We are aware of, and comply with Title VI of the Civil Rights Act of 1954, Executive Order 11246, Section 109 of the Housing and Urban Development Act of 1968, Conflict of Interest Statement and Access to Records provisions and all other requirements as they relate to federal and state funded projects.

We look forward to the opportunity of meeting with you and representatives of the Division of Natural Resources and the Stonewall Jackson Resort State park to discuss your needs and how Thrasher Engineering can provide the patrons of the parks and others who will utilize this path the quality of engineering services required.

Sincerely,

THRASHER ENGINEERING, INC.



JEFFREY L. GOLA, P.E.  
Project Manager

*Expression of Interest for*  
**Architectural / Engineering Services for  
the West Virginia  
Division of Natural Resources  
Parks & Recreation Section  
“Pathway at Stonewall Jackson Resort  
State Park”**

RFQ# DNR210166

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## EXECUTIVE SUMMARY

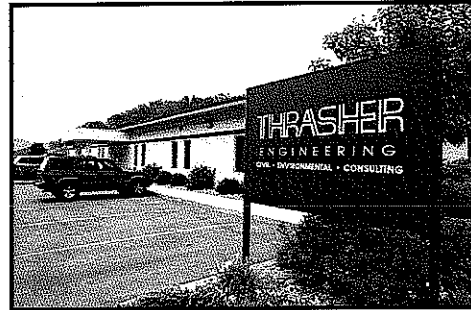
In response to the recent procurement specifications included in the Expression of Interest (EOI) submitted by the West Virginia Division of Natural Resources for the Stonewall Jackson Resort Pathway Project, Thrasher Engineering Inc. (TEI) offers the following summary addressing the elements required.

### FIRM OVERVIEW

<b>Established</b>	1983																		
<b>Officers</b>	<table><tr><td>H. Wood Thrasher, P.E.</td><td>Administration</td></tr><tr><td>Kenneth P. Moran, P.E.</td><td>Public Utilities</td></tr><tr><td>Kurt L. Newbrough, P.S.</td><td>Survey</td></tr><tr><td>Wm. Randy Watson</td><td>Public Utilities</td></tr><tr><td>Chadwick Biller, P.E.</td><td>Site Development / Highway / Airport</td></tr><tr><td>Chad Riley, P.E.</td><td>Site Development</td></tr><tr><td>Clay P. Riley, P.E.</td><td>Public Utilities / Site Development</td></tr><tr><td>Daniel E. Ferrell, P.E.</td><td>Public Utilities</td></tr><tr><td>Aaron Denham</td><td>Materials Testing and Inspection</td></tr></table>	H. Wood Thrasher, P.E.	Administration	Kenneth P. Moran, P.E.	Public Utilities	Kurt L. Newbrough, P.S.	Survey	Wm. Randy Watson	Public Utilities	Chadwick Biller, P.E.	Site Development / Highway / Airport	Chad Riley, P.E.	Site Development	Clay P. Riley, P.E.	Public Utilities / Site Development	Daniel E. Ferrell, P.E.	Public Utilities	Aaron Denham	Materials Testing and Inspection
H. Wood Thrasher, P.E.	Administration																		
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Clay P. Riley, P.E.	Public Utilities / Site Development																		
Daniel E. Ferrell, P.E.	Public Utilities																		
Aaron Denham	Materials Testing and Inspection																		
<b>Scope of Services</b>	Public Work – Water / Sewer / Treatment Plants / Facility Plans / Business and Industrial Parks Environmental Engineering / Assessment / Permitting Architecture – New Construction / Renovations / Additions Site Development – Schools / Commercial Properties Highway Design GIS Mapping Land Surveying, Platting, Legal Description Preparation General Civil Engineering – Municipal Engineering / Subdivisions/ Paving Construction Management / Materials Testing / Inspection																		
<b>Offices</b>	30 Columbia Boulevard, Clarksburg, WV 300 Association Drive, Charleston, WV 3000 Thayer Center, Oakland, MD																		
<b>Employees</b>	160+ persons, including: Registered Professional Engineers, Registered Professional Surveyors, Environmental Engineers, Engineer Interns, Graduate Engineers, Landscape Architect, Project Designers, Engineer Technicians, CADD Operators, Construction Inspectors, Surveyors, and Office Support																		
<b>Typical Projects</b>	\$ 250,000 - \$15,000,000 – Sewer Projects \$ 250,000 - \$22,000,000 – Water Projects \$ 500,000 - \$15,000,000 – Airport Development Projects \$ 250,000 - \$ 8,000,000 – Site Development Projects \$ 50,000 - \$ 250,000 – Street Paving and Drainage Projects \$ 750,000 + Per Year – Surveying and CADD Work \$ 50,000 - \$ 5,000,000 – Architecture																		

## FIRM HISTORY

Thrasher Engineering, Inc. is a civil engineering consulting firm specializing in all facets of engineering from public works projects to site development efforts. The majority of Thrasher Engineering's work involves publicly funded water treatment and distribution systems, sewage collection and treatment systems, industrial and business park development, as well as transportation engineering including airports, roadways and bridges. In 2005, we added architectural services to the firm.



H. Wood Thrasher and Henry A. Thrasher formed the company in 1983 with a commitment to excellence and professionalism in engineering. **H. Wood Thrasher, P.E.** remains principal of the company; also serving as principals are **Kenneth P. Moran, P.E.**, and **Wm. Randy Watson.**

Thrasher Engineering is a part of Resource Engineering Group, Inc., a holding company of West Virginia's leading engineering firms. Thrasher Engineering is based in **Clarksburg, West Virginia** with branch offices in **Charleston, West Virginia** and **Oakland, Maryland**. The Oakland office was opened in early 2004 to serve customers in the eastern portion of West Virginia and the western portion of Maryland, while our Charleston office is able to effectively meet the needs of our southern clients, well into Virginia. **Pentree, Incorporated**, also a civil engineering firm, is located in Princeton, West Virginia.

## FIRM SIZE

Since its formation the company has grown to a firm of more than 160 persons. This staff includes 25 engineers, 13 of whom are registered professional engineers. The Survey Department of this company includes four registered professional surveyors. The Thrasher Engineering team also includes engineer technicians, project designers, CADD operators, construction inspectors and the administrative / office support team. As we've grown, we've paid careful attention to maintain the personal touch that has helped us to reach our present size.

## SERVICES OFFERED

Thrasher Engineering's vast services will be able to meet all of the requirements of the Expression of Interest of the West Virginia Division of Natural Resources. These services, which follow, will allow for a successfully completed pathway at the Stonewall Jackson Resort.

## TECHNICAL EXPERTISE

### CIVIL ENGINEERING

The successful design and construction of outdoor recreational facilities from boardwalks to trails demands a combination of technical expertise in many areas; Thrasher Engineering, Inc. offers the resources to provide all of the services necessary and has a track record of successful projects.

Services the firm provides for recreational projects include:

- Site Selection and Evaluation
- Survey
- Environmental Assessment/ Design / Permitting
- Engineering design for grading / drainage / trail alignment
- Architectural Design for supporting facilities
- Construction Management and Inspection
- Materials Testing



*City of Bridgeport, WV  
City Park Walking Trail*

Our objective in the design of recreational / public use facilities is to go beyond just the engineering aspect of the project; we work as a team with clients to understand their present and future needs. With that information, the team works with them to evaluate site locations and present designs that best suit their short and long- term goals.

#### ***Recreational Project Experience Includes:***

- Rail to Trail areas
- Recreation Trails / Paths
- City Parks – Conceptual Planning and Design
- Athletic Fields – Soccer / Football - Colleges and Universities / High Schools / Community Facilities
- Recreational Resorts / Lodging



*City of Shinnston, WV  
Rails to Trails Trailhead*



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## PERMIT PROCUREMENT

From start to finish, Thrasher Engineering will take of the submission process for all permits associated with your project. Entities such as the Division of Culture and History, the US Army Corps of Engineers, and the Division of Environmental Protection are all groups Thrasher Engineering has worked with – and secured permits from – in dozens of projects. Many agencies require that permits be secured before work is started. As part of our standard level of service, TEI will go out of its way to make this process as painless as possible.

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## ENVIRONMENTAL ASSESSMENT

Thrasher Engineering has extensive direct experience in all aspects of environmental assessment and remediation if needed as part of this project. As a result, the staff can manage your project locally and draw upon the expertise required for efficient, cost effective implementation. This approach allows both the local access and control clients require, plus the technical expertise necessary to meet the needs in the increasingly complex area of state and federal environmental regulation.



Services Include:

- Environmental Assessments and Audits**
- Air Compliance Management**
- Hydrogeologic and Geologic Investigations**
- Ground-Water Monitoring  
Sampling and Laboratory Analysis**
- Water and Wastewater Treatment Systems**
- Remediation Investigation and Feasibility Studies,  
Alternatives and Design**
- Solid and Hazardous Waste Management**
- Risk Assessments**
- Permit Applications**
- Voluntary Remediation and Redevelopment Act Program**
- Mitigation Plans**
- Environmental Impact  
Statements and Assessments**
- Permitting Assistance**
- Ecological Studies - Endangered Species Surveys, and Section 7 ESA Consultation**
- Wetland Delineation,  
Design, and Mitigation**
- Stream Assessments, Design, and Mitigation**

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## SURVEY SERVICES

Thrasher Engineering's Land Surveying Department performs a wide range of services, not only in conjunction with Thrasher Engineering projects, but independently for both public and private clients. Fifteen survey crews, which include Registered Professional Surveyors, conduct surveys for a wide variety of projects, including:

- ❑ Pre and post mine subsidence surveys
- ❑ GPS ground control surveys for aerial mapping
- ❑ Right-of-Way surveying.
- ❑ Right-of-Way and Easement Acquisition
- ❑ Property Mapping
- ❑ Landfill closure surveys
- ❑ Topographic surveys
- ❑ Construction layout for site development projects, highways, railroads, sanitary sewer systems and wastewater treatment plants
- ❑ Lake and river sounding surveys
- ❑ Boundary surveys
- ❑ ALTA/ACSM surveys
- ❑ Pre and post blasting surveys
- ❑ West Virginia Department of Transportation Division of Highways surveys



***Survey Crews utilize state-of-the art GPS Equipment for numerous survey projects***

The survey crews and office support staff can easily provide generated field data in virtually any digital format referenced to specified projection systems.

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## SITE DEVELOPMENT

Thrasher Engineering has planned, surveyed, designed and provided construction management services for dozens of site development projects, such as sidewalks, trails and paths, for both public and private clients. Projects ranging from sidewalks, sites for residential housing to business and industrial parks to multi- purpose "live, work and play" communities are included in its range of site development projects. The majority of these projects have a sidewalk component.

Our objective in site development engineering is to go beyond just the engineering aspect of the project; our project team will work as a team with clients to understand present and future needs. With that information, the team works to come up with the best design to meet short and long- term goals.

***Thrasher Engineering provides the full spectrum of engineering services necessary to develop sites that provide the infrastructure needed:***

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## CONSTRUCTION MANAGEMENT

Thrasher Engineering knows how projects are built. We provide the knowledgeable and experienced personnel necessary to manage the construction phase of any project.

Project managers and inspectors are experienced in all types of construction activities. From utilities, site development and storm water management to roads, bridges and airports, they apply construction management and inspection expertise to ensure successful projects. Both construction managers and inspectors have years of experience; many of whom are certified by the West Virginia Department of Transportation / Division of Highways.



Construction Management Services include:

- Site Layout
- Construction Stakeout
- Inspection
- Quality Control
- Project Administration

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## MATERIALS TESTING

Thrasher Engineering's Materials Testing Department is capable of performing a wide range of field and laboratory tests. The Clarksburg laboratory is federally and state certified. Additionally, engineers and technicians who perform tests both in the field and in the lab are state certified. Services Include:

- Concrete Testing and Inspection
- Soil Testing and Inspection
- Aggregate Testing and Inspection
- Mortar and Grout
- Asphalt
- Paint Coatings
- Sprayed-on Fireproofing
- Subsidence Inspecting
- Caisson and Piling Inspection



*Compaction testing at the Materials Testing laboratory in Clarksburg.*

Thrasher Engineering's WVDOH certified testing laboratory includes nuclear density gauges, gas detectors, and compression testing and proctor machines.

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## PROJECT DESIGN

Thrasher Engineering prides itself on project design. We work with the client and the necessary stakeholder to work toward the best possible design. By coming up with the best possible design, there are cost savings to the client. This comes as the result of contractors respecting the design work done by Thrasher's team of professionals. Contractors feel comfortable bidding on projects designed by Thrasher Engineering as is evident by the number of contractors who have bid on recent projects designed by Thrasher Engineering. Our design work has led to an average of more than six (6) bidders on projects in the past two years.

## STAFFING CAPABILITIES / PROJECT CONDITIONS

The Thrasher Engineering team for this West Virginia Division of Natural Resources project will be led by **Chad Riley, P.E.**, who is a Partner in Thrasher Engineering. Mr. Riley will serve as **Principal-In-Charge**. He has served as Project Manager and Project Engineer for the majority of site development projects designed by the firm, including various projects with a recreational component. He is a graduate of Fairmont State University with a Bachelor of Science degree in Civil Engineering Technology.

Providing management and design will be **Jeff Gola, P.E.** In the role of **Project Manager** and **Project Engineer**, Mr. Gola has designed roadways, recreational venues, sidewalks, recreational trails and paths for numerous Thrasher Engineering clients, including a timber trail as part of the Thousand Acres Golf Course and surrounding residential units. Mr. Gola graduated Summa Cum Laude from West Virginia University with a degree in Civil Engineering.

Serving as **Staff Engineer** will be **Eric Short**. Mr. Short works with Mr. Gola on design of all sidewalk / recreational trail and path projects. He received his Bachelor of Science Degree in Civil Engineering Technology from Fairmont State University.

**Aaron Denham** will be responsible for the supervision and assignment of inspection and testing personnel. He brings experience and certifications necessary to the project in order to successfully complete the boardwalk. The majority of Mr. Denham's staff is certified to the exacting standards of the WVDOH, which will ensure that your project will meet and exceed regulations.

Any landscaping needs will be handled by **Jim Christie**. Mr. Christie will handle the role of **Landscape Architect** for the project. Although new to the firm, Christie brings 13 years of high end landscape design/build experience and 11 years of Landscape Architecture, nine of which were as Partner/Owner or Associate. Throughout his career, he has successfully coordinated projects from conceptual design through construction management in the United States and abroad. His business related abilities include excelling in presentations to Design Review Boards, homeowners and developers

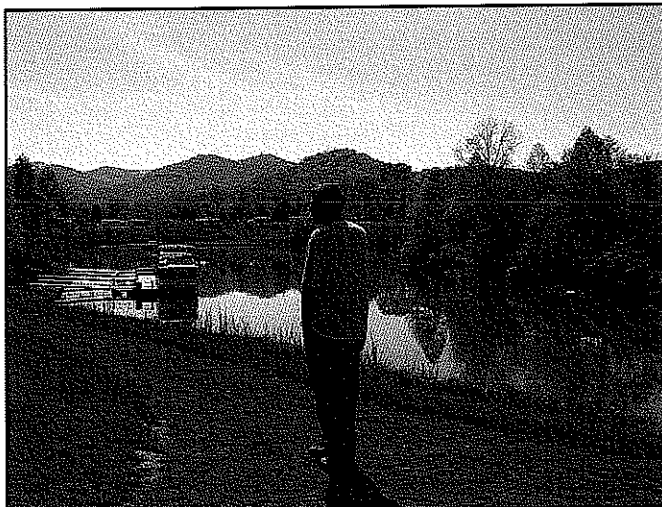
These key team members bring dozens of years of experience in projects similar to that which the West Virginia DNR is about to undertake. Their experience is backed by the entire firm, allowing for a proper peace of mind that the project will be done in a cost- and time-efficient manner.

## FAMILIARITY WITH LOCAL CONDITIONS

### PROJECT UNDERSTANDING / DESCRIPTION

The EOI released by the Division of Natural Resources provides a precise description of the project. The DNR, which leases and operates facilities at Stonewall Resort State Park, is seeking construction of a pathway similar to an existing pathway near the Stonewall Resort Lodge and extend the existing walkway approximately 1890 feet towards the cottage area.

The architectural / engineering services sought for the design and construction of the pathway in question will be in two segments, according to the EOI. Both segments will extend from each end of the aforementioned pathway.



According to the EOI, the pathway may extend from the Welcome Gate, to near the lodge, where it will connect to the existing pathway and may contain approximately 3,049 linear feet. Further, it may also be extended from the end of the trail situated beyond the lodge to the cottage area. This would contain approximately 2,712 linear feet. The pathway is planned to be between 5 and 8 feet wide and will be paved.

***Walking trails and paths already exist at the resort – paved and unpaved. However, the DNR is looking to increase recreational opportunities at the facility.***

### PROJECT APPROACH / CONCEPT

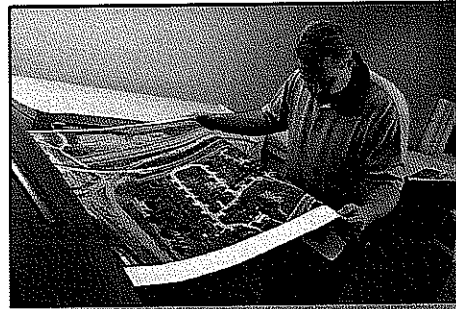
Our first step would be to hold a site visit and walk the area with the owner to get their input on where they would like to see the pathway to lay. We would then evaluate the path area to determine any environmental issues that may be of concern and the overall constructability of the path. The overall goal would be to provide a path enhancing the natural scenic beauty and at the same time minimize the disturbance of the surrounding topography. Once a path is decided, Thrasher Engineering would survey the area to develop construction and permit plans. Cost estimates would be provided with the drawings in order to illustrate how the funding will take the walkway. With the owner's final approval, the project would be put out to bid, awarded, and constructed.

## RELATED PRIOR EXPERIENCE

During Thrasher Engineering's 27-year history we have had a strong presence in North Central West Virginia in general and Lewis County in particular. The firm has been involved with numerous projects in Lewis County and team member are familiar with the county and its people. Thrasher Engineering, as will be shown later in this proposal, has varied experience in trails and path projects.

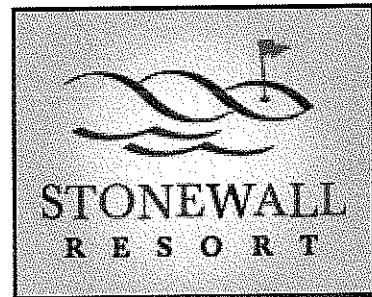
## LOCATIONS

Thrasher Engineering is based in **Clarksburg, West Virginia** with branch offices in **Charleston** and **Beckley West Virginia** along with **Oakland, Maryland**. The Oakland office was opened in early 2004 to serve customers in the eastern portion of West Virginia and the western portion of Maryland, while our Charleston and Beckley offices are able to effectively meet the needs of our southern West Virginia clients, well into Virginia. From our Clarksburg office, we can reach the project area in question in less than hour, providing immediate attention to any concerns that may arise.



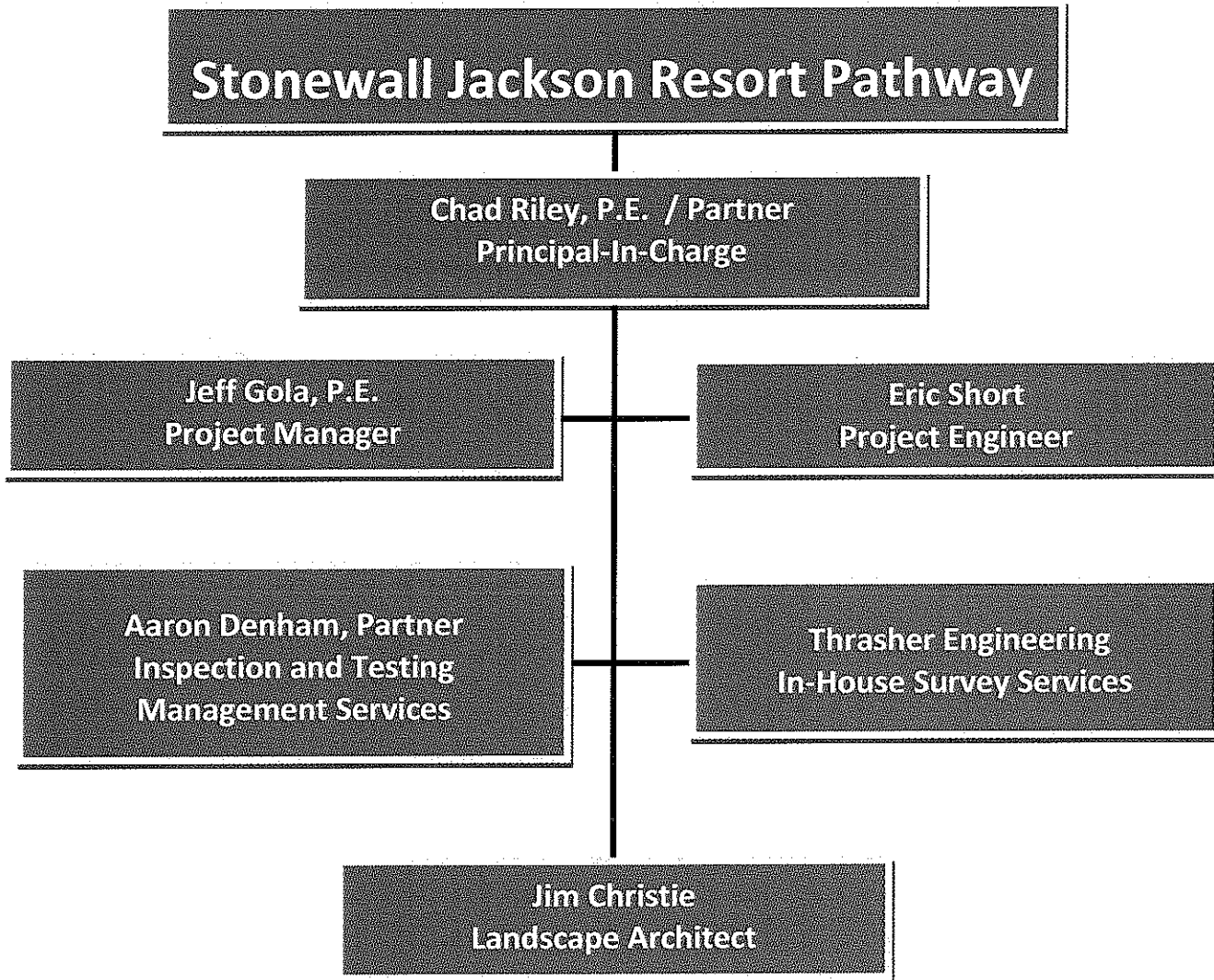
## CONCLUSION

Thrasher Engineering's philosophy of "*Successful Projects, Repeat Clientele*" is founded on the principle of client satisfaction and repeat business. We do what it takes to assure satisfaction and to ensure project success, and want to work with the **West Virginia Division of Natural Resources Parks & Recreation Section** and the **Stonewall Jackson Resort State Park** to provide the necessary enhancements to your facility.



## YOUR PROJECT TEAM

As mentioned earlier, Thrasher Engineering Inc. has put together an experienced and knowledgeable team to address the West Virginia Division of Natural Resources' project at the Stonewall Jackson Resort State Park. This organizational chart is followed by personal profiles of each team member.





**SUMMARY OF EXPERIENCE**

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 project. 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. He also serves as "Owner's Representative" as a liaison between Architects, Contractors and clients.

**PROJECT EXPERIENCE**

- 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
- CHARLES POINTE DEVELOPMENT – BRIDGEPORT, WV
  - Mass Grading, Roadways, Sidewalks, Utilities
  - Conference Center
- U.S. DEPARTMENT OF VETERANS AFFAIRS – WEST VIRGINIA NATIONAL CEMETERY EXPANSION:  
Upgrades to Taylor County facility, including new sidewalks.
- RALEIGH COUNTY MEMORIAL AIRPORT INDUSTRIAL PARK
- McDOWELL COUNTY FEDERAL PRISON
- PINECREST BUSINESS AND TECHNOLOGY PARK –RALEIGH COUNTY, WV
- WOLF CREEK PARK "LIVE, WORK AND PLAY" COMMUNITY – FAYETTE COUNTY, WV
- 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

**EDUCATION:**

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

**REGISTRATIONS:**

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

**AFFILIATIONS:**

- Fairmont State University Technology Advisory Committee

## **JEFFREY L. GOLA, P.E. PROJECT MANAGER**

### **SUMMARY OF EXPERIENCE**

Mr. Gola joined Thrasher Engineering in 1998 and serves as Project Manager/Engineer on Highway Projects, Community Improvement Projects, and Commercial Site Development 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 bridges, retaining walls, and utility plant structures/demolition plans
- 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.

### **PROJECT EXPERIENCE**

- 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 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.
- WVDOH Indian Fork: Two span steel beam bridge 127 feet long in Gilmer County. Design of a bridge structure, roadway approaches. A Hec-Ras analysis was performed to determine stream water elevations. The bridge is unique: steel girders were simple supported made composite.
- WVDOH Corridor H – Davis to Bismarck: Design of over 2 miles of a four-lane divided highway, including an additional 1.5 miles of secondary roads. The project also includes a three span bridge spanning Corridor H and a set of twin mainline bridges spanning a secondary road.
- City of Grafton Sidewalk Project: Hired to design sidewalks throughout the City in a multi-phased project. Thrasher was hired to handle the design, as well as ease the impact on residents and businesses impacted by the project.
- 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

geotech engineer. Based on site conditions and funds, the most efficient method to correct the problems were to use gabion walls.

**EDUCATION:**

- B.S., Civil Engineering, 1998 – West Virginia University, Summa Cum Laude

**REGISTRATIONS:**

- Registered Professional Engineer (PE), State of West Virginia #15621
- Registered Professional Engineer (PE), State of Maryland #33492

**AFFILIATIONS:**

- American Society of Civil Engineers
- American Society of Highway Engineers
- City of Mannington Code Enforcement Appeal Board

## **ERIC SHORT PROJECT ENGINEER**

### **SUMMARY OF EXPERIENCE**

Mr. Short joined Thrasher Engineering in 2003 and serves as Staff Engineer on Residential and Commercial Site Development Projects as well as Transportation projects. Mr. Short has experience in all aspects of site engineering, taking projects from concept to construction. Specialties include;

- Conceptual Planning: planning for residential, commercial, and recreational developments
- Site/Land Development Engineering: geometric layout of sites, subdivisions, and roads, grading, drainage system design, storm water management, erosion and sediment control, and various regulatory permitting activities.

### **PROJECT EXPERIENCE**

- 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. Typically these types of projects stay within the WVDOH right of way and therefore have to reviewed and approved by them.
- 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, barricades for students, and ADA-compliant ramps.
- City of Ripley: Main Street Revitalization: This project was one of kind for us in that we took 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.
- 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 geotechnical engineer. Based on site conditions and funds, the most efficient method to correct the problems were to use gabion walls.
- Wirt County Commission: Design of approximately 1000 square yards of sidewalk along city streets and within the courthouse yard.
- Raleigh County Memorial Airport & Industrial Park: Design of Roadway, Sidewalks, Drainage and Erosion and Sediment Control Plan.
- Shallow Creek Acres: 12 Lot well and septic residential subdivision located in Berkeley County, WV. Assisted in concept and completed design plans for this very steep site, which maximized the amount of buildable land. Project required careful attention to road design due to steep topography.

### **EDUCATION:**

- A.S., Architectural Engineering Technology, 2003 – Fairmont State University
- B. S. Civil Engineering Technology, 2003 – Fairmont State University

### **AFFILIATIONS:**

- American Society of Civil Engineers

## **AARON DEHNAM, PARTNER INSPECTION MANAGEMENT SERVICES**

### **SUMMARY OF EXPERIENCE**

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.

### **PROJECT EXPERIENCE**

- City of Pleasant Valley Sidewalk Project
- Benedum Airport Authority Metal Equipment Storage Building
- Jackson County Airport
- Blanchette Rockefeller Research Facility
- WVDOH South High Street Bridge
- Wheeling Route 2 Bypass
- City of Bridgeport Route 279 By-Pass
- Mon-Fayette Expressway
- WVDOH Meadowbrook Road
- Bio Medical Research Facility
- West Virginia University Cancer Center
- West Virginia University Alumni Center
- Ruby Memorial Hospital NE Addition
- Health Science Learning Center
- WV National Cemetery Expansion
- Fairmont State University Parking Garage
- Fairmont State University Dormitory
- Fairmont State University Squibb Wilson Boulevard Demolition and Parking Lots
- Institute for Scientific Research
- Mon General Hospital Addition
- Baker Dam Site 10
- Mountaineer Challenge Academy at Camp Dawson, WV

### **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

## **JAMES CHRISTIE, RLA / MASTER PLANNING – LANDSCAPE ARCHITECT**

### **SUMMARY OF EXPERIENCE**

Mr. Christie joined Thrasher Engineering in February of 2010, bringing with him over thirteen years of high end landscape design/build experience and eleven years of Landscape Architecture, nine of which were as Partner/Owner or Associate. Throughout his career, he has successfully coordinated projects from conceptual design through construction management in the US and abroad. His business related abilities include excelling in presentations to Design Review Boards, homeowners and developers.

### **PROJECT EXPERIENCE**

#### **FEATURED PLANNING PROJECT EXPERIENCE**

- La Estancia de Cafayate - Argentina Ventana Mar - Costa Rica
- The Himalayan Ski Village - India

#### **FEATURED DESIGN/BUILD PROJECTS EXPERIENCE**

- BETTY FORD ALPINE GARDENS – Vail, Colorado 1998-2002 Landscape Architect, Project Manager:  
Designed a specialized \$1 mil Alpine Rock Garden and Xeric Garden. Completed color rendering, site plan, grading plan to comply with ADA requirements, construction documents and on-site construction management for the Alpine Rock Garden (Dedicated - summer 2000) and the Children's Garden (Designed by EDAW).
  - Merit Award: 2003 for Water Feature, Associated Landscape Contractors of Colorado
  - Grand Award: 2004 for Xeriscape, Associated Landscape Contractors of Colorado
- MONTROSE BOTANICAL GARDENS – Montrose, Colorado 1999-2004 Landscape Architect:  
Created a master plan and color rendering for the Montrose Botanical Society to use as a marketing tool to raise funds to complete the gardens. Successfully designed xeric garden, meditation garden, children's garden and water features. The garden is currently one quarter finished and has created a source of pride for the community.
- PRIVATE RESIDENCE - Diamond 'S' Ranch, Eagle County, Colorado Landscape Architect/Project Manager: Envisioned and broadened owner concept of landscape potential. This \$1.6 mil, 100 acre project included Master Plan, grading plan, fire mitigation plan, construction details, planting plan, re-vegetation plans, multiple hot tub and swim-ex plans, project management and owners contact. Successfully implemented all designs to create an award winning fire wise property.
  - Grand Award: 2004 for Xeriscape, Associated Landscape Contractors of Colorado
- FRANK LLOYD WRIGHT'S FALLINGWATER – Mill Run, Pennsylvania Landscape Architect Intern:  
Chosen as the Landscape Architect intern to live on-site at the famous property. Designed site plans for trails and signage, master plan for guest house site, planting plan and implementation of plan. Implemented a plant/ soil mapping and testing of the grounds for future uses.

### **EDUCATION:**

- B.S. in Landscape Architecture, West Virginia University, Morgantown, West Virginia, 1998

### **PROFESSIONAL ASSOCIATIONS AND AWARDS:**

- Registered Landscape Architects in Colorado (RLA)
- Xeriscape Grand Award – Betty Ford Alpine Garden, Vail, Colorado, 2004
- Xeriscape Grand Award – Private Estate, Eagle County, Colorado, 2004
- Water Feature Merit Award – Betty Ford Alpine Garden, Vail, Colorado,

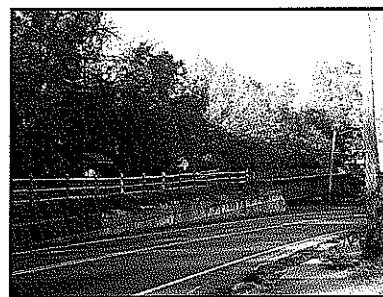
## RELEVANT PROJECT EXPERIENCE

**SIMILAR PROJECTS:** Throughout our 27-year history, Thrasher Engineering has helped numerous municipalities, districts, commissions and other public and private entities achieve their project goals. Below is a list of projects that exemplify our abilities in pedestrian trails, paths and recreational projects.

The projects presented for your review include:

- ❑ *Martinsburg, WV – North Middle School “Safe Routes to School” Walking Path*
- ❑ *Pleasant Valley, WV – Sidewalk Project*
- ❑ *Oakland, MD – Thousand Acres Golf Paths / Boardwalk / Wetland Crossings*
- ❑ *Town of Mountain Lake Park, MD – Crystal Springs Loop Trail*
- ❑ *City of Bridgeport, WV – Pedestrian Trail / Land Use Plan and Amenities*

Each project includes a brief description and funding and contact information. The projects are just a small sample of those done by Thrasher Engineering.





## NORTH MIDDLE SCHOOL (MARTINSBURG) WALKING PATH, "SAFE ROUTES TO SCHOOL"



### CLIENT:

**BERKELEY COUNTY BOARD OF EDUCATION**

**CONTACT: Don Mitchell, Director of Facilities**

**728 SOUTH RALEIGH STREET**

**MARTINSBURG, WV 25401**

**PHONE: 304-267-3500**

### FUNDING:

**"SAFE ROUTES TO SCHOOLS"**

**BRIEF PROJECT DESCRIPTION:** The North Middle School Walking Path is a "Safe Routes to School" project located at North Middle School in Martinsburg, WV. Phases I and II of the project were combined in order to design and construct both sections at once, consisting of approximately 850 LF of asphalt walking path along with crosswalks and truncated dome detectable warning devices.

In addition to the phase I and II layout, the project was expanded prior to construction in order to include an additional 420 LF of walking path which allowed expansion along the entire frontage of the school property. The end result is an asphalt path along Echo Street from Duke Road to the school property and on school grounds along East Road, totaling approximately 1,270 LF of walking path.

The "Safe Routes" project is one of several completed or ongoing for Thrasher Engineering. We are extremely familiar with the processes involved with this type of project.



## CITY OF PLEASANT VALLEY SIDEWALK PROJECT

The City of Pleasant Valley, WV retained Thrasher Engineering, Inc. to provide all engineering and construction related services for a two phase sidewalk project. **Phase I** project consisted of preliminary study, design, bidding and construction document preparation, materials testing and inspection and construction management for the City's 800 LF of concrete sidewalks, curbing and box drains along Pleasant Valley Road, a high traffic thoroughfare. The City of Pleasant Valley received a Federal Grant from the US DOT (T-21) to fund this project in the amount of \$150,000.00. In order to bring the project in at or below the funded amount, Thrasher Engineering provided two (2) alternative deductions, which allowed the lowest bid to be \$128,000.00. The City of Pleasant Valley applied the excess funds to Phase II.

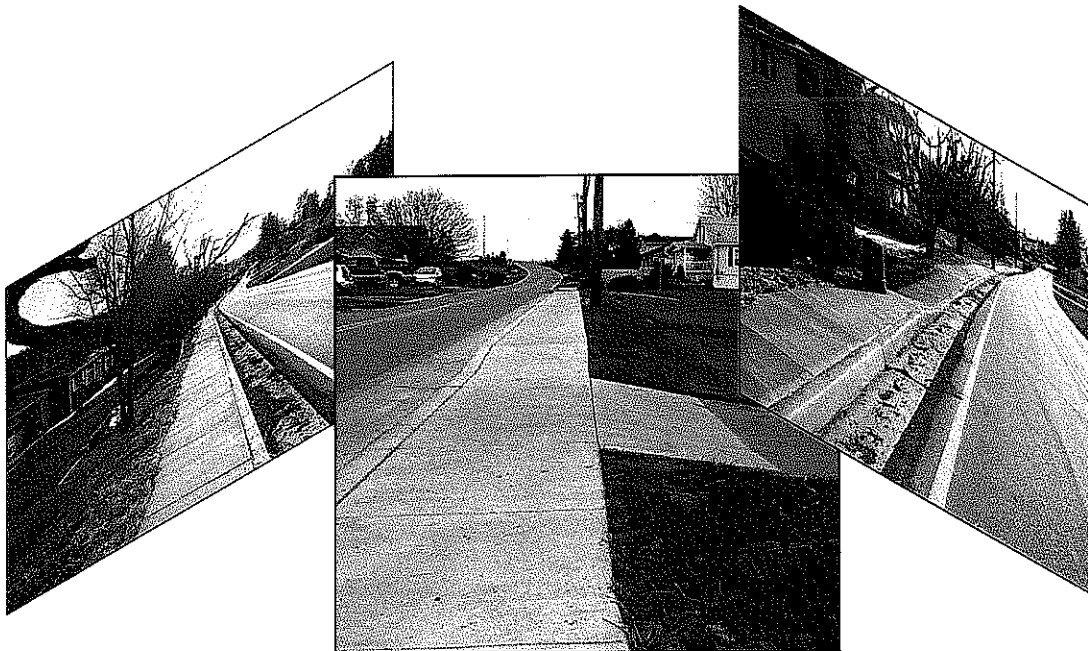
**Phase II** of the project included areas of Kingmont, West Virginia and consisted of 424 SY 4" thick concrete sidewalk, 130 SY 6" thick concrete sidewalk, 902 LF combination concrete curb and gutter WVDOH type I, 260 LF combination concrete curb and gutter WVDOH type IV, 5 EA WVDOH type "D" inlet, 1,159 LF 12" HDPE storm pipe, and other miscellaneous related items along County Route 64/1 in the City of Pleasant Valley. Construction cost for Phase II was \$195,000.00

### CLIENT:

CITY OF PLEASANT VALLEY  
CONTACT: Mayor Jack Bish  
401 KINGMONT ROAD  
PLEASANT VALLEY, WV 26554  
PHONE: 304-363-2400

### FUNDING:

US DEPARTMENT OF TRANSPORTATION  
FEDERAL GRANT



CITY OF OAKLAND, MD. THOUSAND ACRES GOLF PATHS / BOARDWALK / WETLAND CROSSINGS

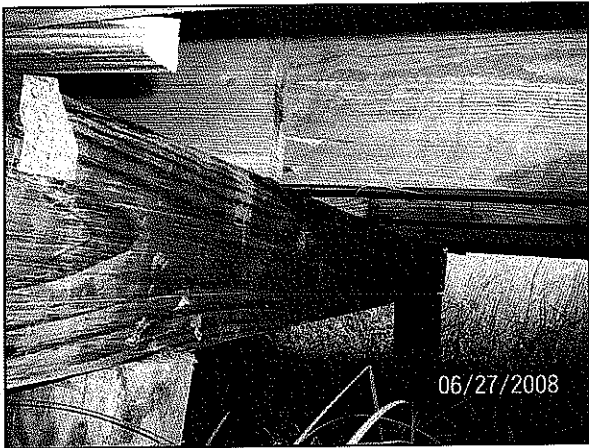


**CLIENT:**  
**CITY OF OAKLAND, MARYLAND**  
**CONTACT: Bill Franklin**  
**15 SOUTH 3<sup>RD</sup> STREET**  
**OAKLAND, MD 21550-1522**  
**PHONE: 301-616-4866**

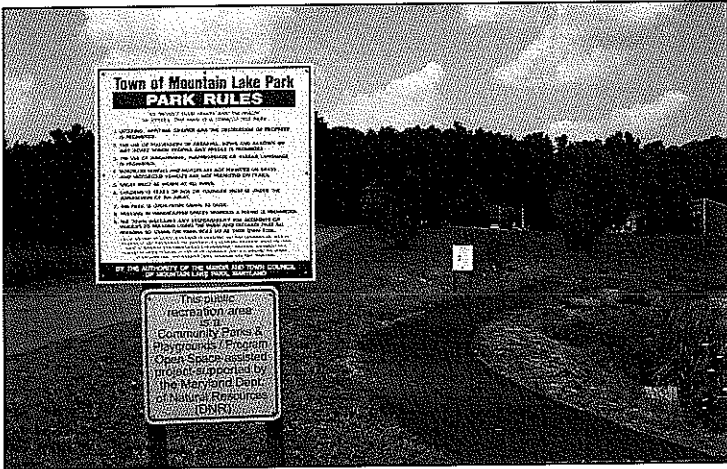
**FUNDING:**  
Private Funding



**Brief Project Description:** The Thousand Acres project undertaken by Thrasher Engineering had many components, including design of golf cart paths and access roads at the lakeside community. Some of the paths crossed wetlands, which resulted in the need for wooden piers and a boardwalk system to minimize potential damage to wetlands and at the same time allow regular golf / pedestrian traffic to continue.

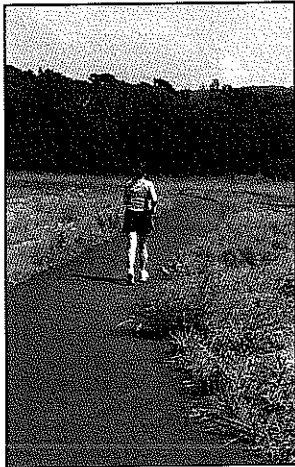


# TOWN OF MOUNTAIN LAKE PARK, MD. CRYSTAL SPRINGS LOOP TRAIL



**CLIENT:**  
**MOUNTAIN LAKE PARK, MARYLAND**  
**CONTACT: Mayor "Leo" Britten Martin**  
**1007 ALLEGHENY DRIVE**  
**MOUNTAIN LAKE PARK, MD 21550**  
**PHONE: 301-334-2250**

**FUNDING:**  
**Program Open Space Community Parks**  
**and Playground (State of Maryland)**



**BRIEF PROJECT DESCRIPTION:** Mountain Lake Park sought a trail to be designed by Thrasher Engineering that was ADA compliant, and included trail head construction and a public parking area. The trail, which is six-foot wide and covers two miles, is widely used.

As part of the scope of services, the effort included project planning, design, permitting, bid administration, and construction management services / inspection.

## CITY OF BRIDGEPORT PEDESTRIAN TRAIL / LAND USE PLAN AND AMENITIES



**BRIEF PROJECT DESCRIPTION:** This project consisted of development of a conceptual best land use plan for construction of Bridgeport's City Park. The conceptual plan included park amenities including walking trails, pedestrian bridge and football, soccer and baseball fields.

This project also included off and on site utilities including water service, sanitary sewer service, storm drainage facilities and industrial lighting.

The design and construction of the park access roadway was also included in this project.

**CLIENT:**

**CITY OF BRIDGEPORT**

**CONTACT: Don Burton, Director Parks & Recreation**

**164 WEST MAIN STREET**

**BRIDGEPORT, WV 26330**

**PHONE: 301-842-8240**

**FUNDING:**

**City Funding**

## REFERENCES

**ADDITIONAL REFERNECES:** The following is a list of references on additional projects of various scopes we would encourage DNR officials to contact. As noted on earlier pages, client contact information is also included. Again, we encourage DNR officials to contact those individuals as well.

1. Fairmont State University  
1201 Locust Avenue  
Fairmont, WV 26554-2491  
Jim Decker, Assistant Vice-President of Facilities  
304-367-4000
2. Town of Nutter Fort  
1415 Buckhannon Pike  
Nutter Fort, West Virginia 26301  
Mayor Donald "Duck" Webster  
304-622-7713
3. City of Grafton  
1 West Main Street  
Grafton, West Virginia 26354  
City Manager Kevin Stead  
304-765-1412
4. City of Ripley  
113 South Church Street  
Ripley, West Virginia 25271  
Mayor Carolyn Rader  
304-372-3482
5. City of Westover  
500 DuPont Road  
Westover, West Virginia 26501  
Sandie Weis  
304-296-6860





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  
**DNR210166**

PAGE  
**1**

ADDRESS CORRESPONDENCE TO ATTENTION OF  
**FRANK WHITTAKER**  
**304-558-2316**

RFQ COPY

TYPE NAME/ADDRESS HERE

**DIVISION OF NATURAL RESOURCES  
 PARKS & RECREATION SECTION**

**324 4TH AVENUE  
 SOUTH CHARLESTON, WV  
 25303-1228 304-558-3397**

VENDOR

SHIP TO

DATE PRINTED	TERMS OF SALE	SHIP VIA	FOB	FREIGHT TERMS
03/10/2010				

OPENING DATE: **03/30/2010** BID OPENING TIME **01:30PM**

LINE	QUANTITY	LOF	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
	1	LS		906-00-00-001		
<p><b>ARCHITECT/ENGINEERING SERVICES, PROFESSIONAL</b></p> <p><b>EXPRESSION OF INTEREST (EOI)</b></p> <p>THE WEST VIRGINIA PURCHASING DIVISION, FOR THE AGENCY, THE WEST VIRGINIA DIVISION OF NATURAL RESOURCES, IS SOLICITING EXPRESSIONS OF INTEREST FOR ARCHITECTURAL AND ENGINEERING SERVICES FOR A PATHWAY AT STONEWALL JACKSON RESORT STATE PARK PER THE ATTACHED.</p> <p>NOTICE TO PROCEED: THIS CONTRACT IS TO BE PERFORMED WITHIN XXXX CALENDAR DAYS AFTER THE NOTICE TO PROCEED IS RECEIVED. UNLESS OTHERWISE SPECIFIED, THE FULLY EXECUTED PURCHASE ORDER WILL BE CONSIDERED NOTICE TO PROCEED.</p> <p>CANCELLATION: THE DIRECTOR OF PURCHASING RESERVES THE RIGHT TO CANCEL THIS CONTRACT IMMEDIATELY UPON WRITTEN NOTICE TO THE VENDOR IF THE MATERIALS OR WORKMANSHIP SUPPLIED ARE OF AN INFERIOR QUALITY OR DO NOT CONFORM WITH THE SPECIFICATIONS OF THE BID AND CONTRACT HERE IN.</p> <p>WORKERS' COMPENSATION: VENDOR IS REQUIRED TO PROVIDE A CERTIFICATE FROM WORKERS' COMPENSATION IF SUCCESSFUL.</p> <p>ALL OF THE ITEMS CHECKED BELOW WILL BE A REQUIREMENT OF THIS CONTRACT:</p>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

TELEPHONE **304-624-4108** DATE **3-30-10**

Principal-In-Charge **55-0633596** ADDRESS CHANGES TO BE NOTED ABOVE

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

## GENERAL TERMS & CONDITIONS REQUEST FOR QUOTATION (RFQ) AND REQUEST FOR PROPOSAL (RFP)

- . Awards will be made in the best interest of the State of West Virginia.
- . The State may accept or reject in part, or in whole, any bid.
- . Prior to any award, the apparent successful vendor must be properly registered with the Purchasing Division and have paid the required \$125 fee.
- . All services performed or goods delivered under State Purchase Order/Contracts are to be continued for the term of the Purchase Order/Contracts, contingent upon funds being appropriated by the Legislature or otherwise being made available. In the event funds are not appropriated or otherwise available for these services or goods this Purchase Order/Contract becomes void and of no effect after June 30.
- . Payment may only be made after the delivery and acceptance of goods or services.
- . Interest may be paid for late payment in accordance with the *West Virginia Code*.
- . Vendor preference will be granted upon written request in accordance with the *West Virginia Code*.
- . The State of West Virginia is exempt from federal and state taxes and will not pay or reimburse such taxes.
- . The Director of Purchasing may cancel any Purchase Order/Contract upon 30 days written notice to the seller.
- 0. The laws of the State of West Virginia and the *Legislative Rules* of the Purchasing Division shall govern the purchasing process.
  1. Any reference to automatic renewal is hereby deleted. The Contract may be renewed only upon mutual written agreement of the parties.
  2. **BANKRUPTCY:** In the event the vendor/contractor files for bankruptcy protection, the State may deem this contract null and void, and terminate such contract without further order.
  3. **HIPAA BUSINESS ASSOCIATE ADDENDUM:** The West Virginia State Government HIPAA Business Associate Addendum (BAA), approved by the Attorney General, is available online at [www.state.wv.us/admin/purchase/vrc/hipaa.htm](http://www.state.wv.us/admin/purchase/vrc/hipaa.htm) and is hereby made part of the agreement. Provided that the Agency meets the definition of a Cover Entity (45 CFR §160.103) and will be disclosing Protected Health Information (45 CFR §160.103) to the vendor.
  4. **CONFIDENTIALITY:** The vendor agrees that he or she will not disclose to anyone, directly or indirectly, any such personally identifiable information or other confidential information gained from the agency, unless the individual who is the subject of the information consents to the disclosure in writing or the disclosure is made pursuant to the agency's policies, procedures, and rules. Vendor further agrees to comply with the Confidentiality Policies and Information Security Accountability Requirements, set forth in <http://www.state.wv.us/admin/purchase/privacy/noticeConfidentiality.pdf>.
  5. **LICENSING:** Vendors must be licensed and in good standing in accordance with any and all state and local laws and requirements by any state or local agency of West Virginia, including, but not limited to, the West Virginia Secretary of State's Office, the West Virginia Tax Department, and the West Virginia Insurance Commission. The vendor must provide all necessary releases to obtain information to enable the director or spending unit to verify that the vendor is licensed and in good standing with the above entities.
  6. **ANTITRUST:** In submitting a bid to any agency for the State of West Virginia, the bidder offers and agrees that if the bid is accepted the bidder will convey, sell, assign or transfer to the State of West Virginia all rights, title and interest in and to all causes of action it may now or hereafter acquire under the antitrust laws of the United States and the State of West Virginia for price fixing and/or unreasonable restraints of trade relating to the particular commodities or services purchased or acquired by the State of West Virginia. Such assignment shall be made and become effective at the time the purchasing agency tenders the initial payment to the bidder.
- . I certify that this bid is made without prior understanding, agreement, or connection with any corporation, firm, limited liability company, partnership, or person or entity submitting a bid for the same material, supplies, equipment or services and is in all respects fair and without collusion or fraud. I further certify that I am authorized to sign the certification on behalf of the bidder or this bid.

### INSTRUCTIONS TO BIDDERS

1. Use the quotation forms provided by the Purchasing Division. Complete all sections of the quotation form.
2. Items offered must be in compliance with the specifications. Any deviation from the specifications must be clearly indicated by the bidder. Alternates offered by the bidder as **EQUAL** to the specifications must be clearly defined. A bidder offering an alternate should attach complete specifications and literature to the bid. The Purchasing Division may waive minor deviations to specifications.
3. Unit prices shall prevail in case of discrepancy. All quotations are considered F.O.B. destination unless alternate shipping terms are clearly identified in the quotation.
4. All quotations must be delivered by the bidder to the office listed below prior to the date and time of the bid opening. Failure of the bidder to deliver the quotations on time will result in bid disqualifications: Department of Administration, Purchasing Division, 2019 Washington Street East, P.O. Box 50130, Charleston, WV 25305-0130
5. Communication during the solicitation, bid, evaluation or award periods, except through the Purchasing Division, is strictly prohibited (W.Va. C.S.R. §148-1-6.6).





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  
 DNR210166

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ADDRESS CORRESPONDENCE TO ATTENTION OF  
 FRANK WHITTAKER  
 304-558-2316

VENDOR

RFQ COPY  
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SHIP TO

DIVISION OF NATURAL RESOURCES  
 PARKS & RECREATION SECTION  
 324 4TH AVENUE  
 SOUTH CHARLESTON, WV  
 25303-1228 304-558-3397

DATE PRINTED	TERMS OF SALE	SHIP VIA	FOB	FREIGHT TERMS
03/10/2010				

OPENING DATE: 03/30/2010 BID OPENING TIME 01:30PM

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
(XX) INSURANCE: SUCCESSFUL VENDOR SHALL FURNISH PROOF OF PROFESSIONAL LIABILITY INSURANCE PRIOR TO ISSUANCE OF CONTRACT. UNLESS OTHERWISE SPECIFIED IN THE BID DOCUMENTS, THE MINIMUM AMOUNT OF INSURANCE COVERAGE REQUIRED IS \$1,000,000.00  EXHIBIT 10  ADDENDUM ACKNOWLEDGEMENT  I HEREBY ACKNOWLEDGE RECEIPT OF THE FOLLOWING CHECKED ADDENDUM(S) AND HAVE MADE THE NECESSARY REVISIONS TO MY PROPOSAL, PLANS AND/OR SPECIFICATION, ETC.  ADDENDUM NOS.:  NO. 1 ..... NO. 2 ..... NO. 3 ..... NO. 4 ..... NO. 5 .....  I UNDERSTAND THAT FAILURE TO CONFIRM THE RECEIPT OF THE ADDENDUM(S) MAY BE CAUSE FOR REJECTION OF THE 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.						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS		
INCIDENTAL IN CHARGE	TELEPHONE	DATE
<i>CW MBS</i>	304-624-4108	3-30-10
FEIN	ADDRESS CHANGES TO BE NOTED ABOVE	
55-0633596		

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



State of West Virginia  
 Department of Administration  
 Purchasing Division  
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<p>..... SIGNATURE            Thrasher Engineering, Inc. .... COMPANY            March 30, 2010 ..... DATE</p> <p>REV. 11/96</p> <p>BANKRUPTCY: IN THE EVENT THE VENDOR/CONTRACTOR FILES FOR BANKRUPTCY PROTECTION, THE STATE MAY DEEM THE CONTRACT NULL AND VOID, AND TERMINATE SUCH CONTRACT WITHOUT FURTHER ORDER.</p> <p>REV. 5/2009</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: 44</p>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS		
TELEPHONE 304-624-4108	DATE 3-30-10	
Principal-in-Charge FEIN 55-0633596	ADDRESS CHANGES TO BE NOTED ABOVE	

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03/10/2010				

BID OPENING DATE: 03/30/2010 BID OPENING TIME 01:30PM

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
REQ. NO.: DNR210166 BID OPENING DATE: 03/30/2010 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----- PLEASE PRINT OR TYPE NAME OF PERSON TO CONTACT CONCERNING THIS QUOTE: -----Jeff Gola----- ***** THIS IS THE END OF RFQ DNR210166 ***** TOTAL:						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

Principal-In-Charge *[Signature]* TELEPHONE 304-624-4108 DATE 3-30-10  
 FEIN 55-0633596 ADDRESS CHANGES TO BE NOTED ABOVE

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

RFQ No. DNR210166

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 owned 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: 3/22/10

State of West Virginia

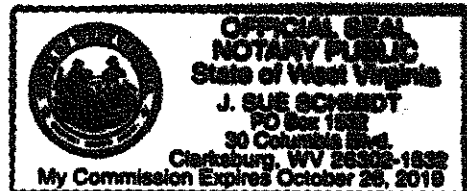
County of Harrison, to-wit:

Taken, subscribed, and sworn to before me this 22 day of March, 2010.

My Commission expires October 26, 2019, 2019.

AFFIX SEAL HERE

NOTARY PUBLIC [Signature]





# CERTIFICATE OF LIABILITY INSURANCE

OP ID PM  
RESOU-2DATE (MM/DD/YYYY)  
12/31/09

<b>PRODUCER</b>  Henderson Brothers, Inc. 920 Ft Duquesne Blvd Pittsburgh PA 15222 Phone: 412-261-1842 Fax: 412-261-4149	THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW.	
	<b>INSURERS AFFORDING COVERAGE</b>	<b>NAIC #</b>
<b>INSURED</b> Resource Engineering Group Inc Thrasher Engineering, Inc. Thrasher Environmental, Inc. Gustafson & Associates, Inc. Thrasher Rentals, LLC 30 Columbia Blvd PO Box 1532 Clarksburg WV 26302-1532	INSURER A: <b>The Hartford</b>	22357
	INSURER B: <b>Brickstreet Mutual Insurance</b>	
	INSURER C:	
	INSURER D:	
	INSURER E:	

## COVERAGES

THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. AGGREGATE LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR ADD'L LTR INSRD	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YYYY)	POLICY EXPIRATION DATE (MM/DD/YYYY)	LIMITS
A	GENERAL LIABILITY <input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS MADE <input checked="" type="checkbox"/> OCCUR	40UUNTR3033	01/01/10	01/01/11	EACH OCCURRENCE \$ 1,000,000
	GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC				DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 300,000 MED EXP (Any one person) \$ 10,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000 Emp Ben. 1,000,000
A	AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS <input checked="" type="checkbox"/> NON-OWNED AUTOS	40UUNTR3033	01/01/10	01/01/11	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000
	GARAGE LIABILITY <input type="checkbox"/> ANY AUTO				BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ AUTO ONLY - EA ACCIDENT \$ OTHER THAN AUTO ONLY: EA ACC \$ AGG \$
A	EXCESS / UMBRELLA LIABILITY <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> CLAIMS MADE DEDUCTIBLE RETENTION \$	40XHUTR2704	01/01/10	01/01/11	EACH OCCURRENCE \$ 5,000,000 AGGREGATE \$ 5,000,000 \$ \$
B	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) if yes, describe under SPECIAL PROVISIONS below Y/N <input type="checkbox"/>	WC1003592006	03/02/09	03/02/10	<input checked="" type="checkbox"/> WC STATU-TORY LIMITS <input type="checkbox"/> OTR-ER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000
	OTHER				
DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES / EXCLUSIONS ADDED BY ENDORSEMENT / SPECIAL PROVISIONS					

## CERTIFICATE HOLDER

## CANCELLATION

<h1>SAMPLE</h1>	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING INSURER WILL ENDEAVOR TO MAIL <u>30</u> DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT, BUT FAILURE TO DO SO SHALL IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE INSURER, ITS AGENTS OR REPRESENTATIVES.
	AUTHORIZED REPRESENTATIVE <b>William D. Schneider</b>



# CERTIFICATE OF LIABILITY INSURANCE

OP ID FM  
RESOU-2DATE (MM/DD/YYYY)  
12/31/09

<b>PRODUCER</b> Handerson Brothers, Inc. 920 Ft Duquesne Blvd Pittsburgh PA 15222 Phone: 412-261-1842 Fax: 412-261-4149	THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW.	
	<b>INSURERS AFFORDING COVERAGE</b>	<b>NAIC #</b>
<b>INSURED</b>  Pentree, Inc. 30 Columbia Blvd., PO Box 1532 Clarksburg WV 26302-1532	<b>INSURER A:</b> The Hartford	22357
	<b>INSURER B:</b> Brickstreet Mutual Insurance	
	<b>INSURER C:</b>	
	<b>INSURER D:</b>	
	<b>INSURER E:</b>	

## COVERAGES

THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. AGGREGATE LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR ADD'L LTR	INSR	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YYYY)	POLICY EXPIRATION DATE (MM/DD/YYYY)	LIMITS
A		<b>GENERAL LIABILITY</b> <input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC	40UUNTR3033	01/01/10	01/01/11	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 300,000 MED EXP (Any one person) \$ 10,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COM/PO AGG \$ 2,000,000 Emp Ben. 1,000,000
A		<b>AUTOMOBILE LIABILITY</b> <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS <input type="checkbox"/> NON-OWNED AUTOS	40UUNTR3033	01/01/10	01/01/11	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$
		<b>GARAGE LIABILITY</b> <input type="checkbox"/> ANY AUTO				AUTO ONLY - EA ACCIDENT \$ OTHER THAN EA ACC AGG \$
A		<b>EXCESS / UMBRELLA LIABILITY</b> <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> CLAIMS MADE <input type="checkbox"/> DEDUCTIBLE RETENTION \$	40XHUTR2704	01/01/10	01/01/11	EACH OCCURRENCE \$ 5,000,000 AGGREGATE \$ 5,000,000 \$ \$
B		<b>WORKERS COMPENSATION AND EMPLOYERS' LIABILITY</b> ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) <input type="checkbox"/> Y/N If yes, describe under SPECIAL PROVISIONS below	WC1003450205	08/19/09	08/19/10	<input checked="" type="checkbox"/> WC STATU-TORY LIMITS <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000
		OTHER				

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES / EXCLUSIONS ADDED BY ENDORSEMENT / SPECIAL PROVISIONS

## CERTIFICATE HOLDER

## CANCELLATION

SAMPLE

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING INSURER WILL ENDEAVOR TO MAIL 30 DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT, BUT FAILURE TO DO SO SHALL IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE INSURER, ITS AGENTS OR REPRESENTATIVES.

 AUTHORIZED REPRESENTATIVE  
 William D. Schneider



# INSURANCE BINDER

OP ID: SS

DATE (MM/DD/YYYY)

12/30/2009

**THIS BINDER IS A TEMPORARY INSURANCE CONTRACT, SUBJECT TO THE CONDITIONS SHOWN ON THE REVERSE SIDE OF THIS FORM.**

<b>AGENCY</b> Selvaggio, Teske & Associates 3401 Enterprise Pkwy., Ste.101 Beachwood, OH 44122 Eric A. Teske		<b>COMPANY</b> Liberty Insurance Underwriters BINDER # 5196	
<b>PHONE (A/C, No, Ext):</b> 216-839-2800 <b>FAX (A/C, No):</b> 216-839-2815		THIS BINDER IS ISSUED TO EXTEND COVERAGE IN THE ABOVE NAMED COMPANY PER EXPIRING POLICY # <b>AEE20003790109</b>	
<b>AGENCY CUSTOMER ID:</b> RESOU-1 <b>INSURED:</b> Resource Engineering Group,inc SEE NOTES 30 Columbia Blvd. Clarksburg WV 26301		<b>DESCRIPTION OF OPERATIONS/VEHICLES/PROPERTY (Including Location)</b> Professional Liability Policy No. AEE20003790109	

**COVERAGES****LIMITS**

TYPE OF INSURANCE	COVERAGE/FORMS	DEDUCTIBLE	COINS %	AMOUNT
<b>PROPERTY CAUSES OF LOSS</b> <input type="checkbox"/> BASIC <input type="checkbox"/> BROAD <input type="checkbox"/> SPEC				
<b>GENERAL LIABILITY</b> <input type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS MADE <input type="checkbox"/> OCCUR	RETRO DATE FOR CLAIMS MADE:			EACH OCCURRENCE \$ DAMAGE TO RENTED PREMISES \$ MED EXP (Any one person) \$ PERSONAL & ADV INJURY \$ GENERAL AGGREGATE \$ PRODUCTS - COMPROP AGG \$
<b>AUTOMOBILE LIABILITY</b> <input type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS <input type="checkbox"/> NON-OWNED AUTOS				COMBINED SINGLE LIMIT \$ BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE \$ MEDICAL PAYMENTS \$ PERSONAL INJURY PROT \$ UNINSURED MOTORIST \$
<b>AUTO PHYSICAL DAMAGE DEDUCTIBLE</b> <input type="checkbox"/> COLLISION: _____ <input type="checkbox"/> OTHER THAN COL: _____	<input type="checkbox"/> ALL VEHICLES <input type="checkbox"/> SCHEDULED VEHICLES			ACTUAL CASH VALUE STATED AMOUNT \$ OTHER
<b>GARAGE LIABILITY</b> <input type="checkbox"/> ANY AUTO				AUTO ONLY - EA ACCIDENT \$ OTHER THAN AUTO ONLY: EACH ACCIDENT \$ AGGREGATE \$
<b>EXCESS LIABILITY</b> <input type="checkbox"/> UMBRELLA FORM <input type="checkbox"/> OTHER THAN UMBRELLA FORM	RETRO DATE FOR CLAIMS MADE:			EACH OCCURRENCE \$ AGGREGATE \$ SELF-INSURED RETENTION \$
<b>WORKER'S COMPENSATION AND EMPLOYER'S LIABILITY</b>				WC STATUTORY LIMITS E.L. EACH ACCIDENT \$ E.L. DISEASE - EA EMPLOYEE \$ E.L. DISEASE - POLICY LIMIT \$
<b>SPECIAL CONDITIONS:</b> \$3,000,000/\$5,000,000 Limits-Each Claim/Aggregate <b>OTHER COVERAGES:</b> \$250,000 Deductible-Each Claim <b>Knowledge Date:</b> 1/1/2010; <b>Retroactive Dates:</b> *SEE NOTES				FEES \$ TAXES \$ ESTIMATED TOTAL PREMIUM \$

**NAME & ADDRESS**

	<input type="checkbox"/> MORTGAGEE	<input type="checkbox"/> ADDITIONAL INSURED
	<input type="checkbox"/> LOSS PAYEE	
	LOAN #	
	AUTHORIZED REPRESENTATIVE <i>Shelena R. Siner</i>	

**NOTES:**

INSURED'S NAME

PAGE 2

OP ID: SS

DATE 12/30/2009

**Retroactive Dates:**

Resource Engineering Group, Inc. January 11, 2005  
Thrasher Engineering, Inc. January 1, 1990  
Thrasher Environmental, Inc. January 1, 1990  
Potomac Engineering & Survey, Inc. April 1, 2004  
Berkeley Associates, Inc. September 3, 2004  
Pentree Inc. March 1, 1969  
Gustafson & Associates, Inc. June 16, 2005

**Additional Named Insured Endorsement**

Thrasher Engineering, Inc.  
Thrasher Environmental, Inc.  
Potomac Engineering & Survey, Inc.  
Berkeley Associates, Inc.  
Pentree, Inc.  
Gustafson & Associates, Inc.

**Excluded Entities Endorsement**

Thrasher Rentals, LLC  
Meadland Development Company, LLC  
Shenandoah Office Park, LLC  
High Tech Corridor Development LLC  
North Quarter LLC  
TC Properties, LLC  
Briarwood Development Company, Inc.