

THRASHER ENGINEERING

Statement of Qualifications

Prepared for the

West Virginia
Department of
Environmental
Protection
to provide

*Mapping Services
for the
Northern Counties of WV*

January 31, 2012

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

CLARKSBURG, WV
CHARLESTON, WV
BECKLEY, WV
OAKLAND, MD



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PLANNING DIVISION
STATE OF WV

January 31, 2012

Mr. Guy Nesbit
Department of Administration
Purchasing Division
2019 Washington Street, East
Charleston, West Virginia 25305

RE: *MAPPING SERVICES FOR NORTHERN COUNTIES OF WV*

Dear Mr. Nesbit:

As the largest West Virginia owned and operated engineering and survey services company, Thrasher Engineering, Inc. (TEI) offers the West Virginia Department of Environmental Protection (WVDEP) the technical expertise, equipment and experience to provide you with the quality of mapping services you require.

Per the requirements of your solicitation, the enclosed proposal contains information regarding our previous experience, qualifications of our personnel, current projects similar in scope, a licensed land surveyor and competent staff along with our technical expertise and equipment. To briefly summarize, we offer the following advantages to working with TEI for your projects:

- 1. Previous Experience with Mapping Projects:** Our survey teams have provided research, plotting, mapping and staking, along with other services for numerous projects. We have full working knowledge of the project area and requirements which will be a benefit to the project.
- 2. Personnel:** TEI offers Licensed Professional Surveyors, twelve fully staffed crews and a complement of trained and experienced CAD operators to ensure your work is done to exact specifications. Because of our depth in the number of survey personnel we offer, you can be assured that your work will be done to meet your deadlines.
- 3. Area Knowledge:** Our survey crews have performed work in virtually all West Virginia counties. Our knowledge with the counties will be beneficial to making your project a success.
- 4. Equipment:** We believe the most up-to-date equipment and software is essential to quality product deliverables to our clients. TEI continually evaluates our resources and updates it as necessary for technology.

WVDEP
Page 2

We appreciate the opportunity to submit our credentials to the WVDEP and look forward to demonstrating our abilities and high level of client satisfaction to you.

Sincerely,

THRASHER ENGINEERING, INC.



CHADWICK D. BILLER
Partner / Principal-In-Charge

STATEMENT OF QUALIFICATIONS

THRASHER ENGINEERING FAST FACTS

Corporation: Thrasher Engineering, Inc. – A Resource Engineering Group, Inc. Company
Incorporated: 1983 in West Virginia
Parent Company: Resource Engineering Group, Incorporated

West Virginia Owned and Operated

Principal Officers and Partners – Thrasher Engineering, Inc.

H. Wood Thrasher, PE – President
Wm. Randy Watson – Secretary / Treasurer
Daniel E. Ferrell, PE – Partner
Kenneth P. Moran, PE, PS – Vice President
Chad M. Riley, PE - Partner

Principal Officers and Partners – Resource Engineering Group, Inc.

H. Wood Thrasher, PE – President / CEO
Chad M. Riley, PE – Secretary / Treasurer
Clay P. Riley, PE – Partner
Jonathan Carpenter, PE – Partner
John Tuggle, PE, PS – Partner
Ronald Stanley, CPA - Partner
Kenneth P. Moran, PE, PS – Vice President / COO
Wm. Randy Watson – Partner
Chadwick Biller, PE – Partner
Aaron Denham – Partner
Craig Baker, Associate AIA - Partner
Robert Milne, PE - Partner

Office Locations and Employees – 5 Locations / 300 Employees

Locations	Employees
Clarksburg, West Virginia	220
Charleston, West Virginia	26
Beckley, West Virginia	5
Oakland, Maryland	15
Princeton, West Virginia (Pentree, Inc. – Affiliate REG Company)	34

CORPORATE PHILOSOPHY:

Successful Projects ... Repeat Clientele

Designing Practical Solutions With Exceptional Service

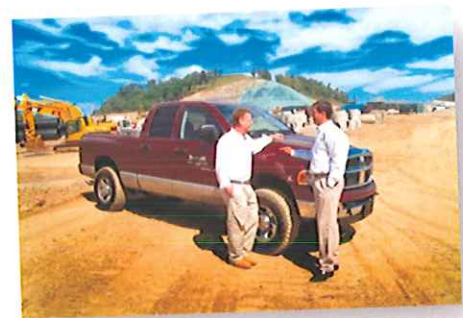
From engineering to architecture to construction monitoring and materials testing, the mission of Thrasher Engineering, Inc. (TEI) is to provide innovative solutions to our clients' challenges and offer every client the highest level of service possible while adhering to principled business practices. Since 1983, that has meant a hands-on approach to each and every project. Whether it is a multi-million dollar engineering or architectural project, or a site survey for a private individual – we utilize our talent and expertise, resulting in our ongoing track record of success.

With multi-discipline capabilities, TEI covers all of the professional services needed to deliver successful projects to both public and private clientele. The firm's roots were planted in civil engineering and consulting services for public utility projects. Over the years, our success in that area allowed us to branch out, expanding our services to meet both the needs of our clients and the growing need for more responsive and effective solutions. Based on that success, in 2004, we added architectural design to the scope of services we provide in-house.

Disciplines practiced and areas of service include:

- **Civil Engineering**
 - Water Treatment & Distribution
 - Wastewater Collection & Treatment
 - Land & Site Development
 - Roadways / Bridges / Streetscapes
 - Airports
 - Storm Water Systems
- **Architecture**
- **Land Planning And Landscape Architecture**
- **Parks & Recreation**
- **Survey**
- **Construction Monitoring**
- **Materials Testing**
- **Environmental Services**
- **Oil and Gas Services**
- **Pipeline Inspection**
- **GIS Mapping And Software Development**

By providing a full range of quality professional engineering, surveying, architectural, environmental and related field services, TEI has positioned itself as the leading firm in West Virginia and one of the leading firms in the Mid-Atlantic region.



FIRM PROFILE

Thrasher Engineering, Inc. provides you with the resources you need utilizing our **single-source management approach**. By combining engineering, architectural, surveying, environmental, construction monitoring and materials-testing staff, we have become the region's industry leader. We are able to pull together a wealth of experienced talent, bringing the best minds and proven methods to every job.

We believe in the value of cost effective and sustainable design. We also believe in responding to our clients in a timely fashion. We put these beliefs into practice on every project and with every client. That practice, and our value-added service attitude is what makes TEI the right choice, project after project.

Professional experience from conception to completion

Successful projects require more from an engineering firm than just technical design expertise. At TEI, our project managers and engineers focus on all aspects of "getting the job done." Using a combination of technology and business acumen, our personnel are involved in projects to the extent requested by our clients.

- Planning
- Preliminary engineering
- Funding direction & application assistance
- Regulatory permitting
- Design and construction document preparation
- Bid documentation & process oversight
- Construction administration & monitoring
- Post construction service & on-going commitment

We understand you have a lot on the line. TEI has a lot on the line, as well. The success of your project is not only important to you, its success is essential to us.

SERVICES TO MEET THE SCOPE OF THE PROJECT

The expertise of our company is confirmed by the variety of projects successfully completed. Areas of expertise that we believe are most beneficial to the Department of Environmental Protection project includes:

PROFESSIONAL SURVEY CAPABILITIES

State-of-the-art equipment combined with top notch staff makes TEI unmatched in the field of Land Surveying. Your projects are critical and precise and require surveying you can rely on. Our strategically located offices allow us to mobilize the precise types and numbers of crew necessary to complete your project within your schedule.



TEI's Land Surveying Department performs a wide range of services, not only in conjunction with TEI projects, but independently for both public and private clients. The types of surveys performed include:

- Right-of-way / Easement surveying.
- Pre- and post-mine subsidence surveys
- GPS ground control surveys for aerial mapping
- Landfill closure surveys
- Topographic surveys
- Construction layout for site development projects, highways, railroads, sanitary sewer systems and water 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



CADD LAYOUT/MAPPING

TEI has one of the largest networks of computer-aided design and drafting (CADD) equipment, software and trained personnel in West Virginia. For the DEP's project, we are bringing to the table our best and brightest. With the senior-level, experienced project team we have allocated to this project, we can ensure project completion by deadline with the utmost confidence.

This project includes the development of detailed topographical mapping from field survey data, as well as aerial photography, design data surveys, the development of field survey information suitable and adequate for the development of detailed plans and specifications.

EQUIPMENT AND SOFTWARE

AutoCAD Civil 3D 2012 and Microstation V8 software is available at 48 CADD stations within REG. Additionally, our equipment includes 10 large format (size E) plotters and 5 large format plotter / scanners.

CADD plans are prepared by both dedicated CADD employees and by staff engineers and engineering technicians in each of the firm's offices. This equipment allows our design department to perform accurate work quickly and efficiently. All departments have the capability to electronically transmit data to clients requesting this service. This blend of experienced personnel utilizing modern equipment results in successful projects and satisfied clients.

In addition to our technical software capabilities and equipment, TEI maintains numerous non-technical programs used for word processing, spreadsheet, financial and graphic needs on more than 60 personal computers connected through a virtual network allowing for work-sharing among employees.

Our survey crews are equipped with the latest in conventional and GPS survey equipment. The equipment available and utilized from the various offices of TEI includes:

- **Utility Line Locators**
 - Three radio detection RD 4000
- **GPS Survey Equipment**
 - 15 GNSS Trimble R8 Units
 - 12 TSC3 Survey Controllers
 - 8 TSC2 Survey Controllers
 - 6 GEOXH Trimble Units
- **Conventional Survey Equipment**
 - Robotic total stations
 - Two Trimble S-6
 - Electronic total stations
 - Three Leica TCR 405
 - Four Leica TC 405
 - One Leica TC 407
 - Two Leica TC 403
 - One Leica TC 303
 - One Leica TC 703
 - One Leica TC 307
 - One Leica 1000
 - One Topcon 6TS 605
 - One Trimble Digital Level

This equipment allows the firm to utilize more nearly 20 survey crews with both conventional and GPS equipment. The survey crews and office support staff can easily provide generated field data in virtually any digital format referenced to specified projection systems. The field crews are all equipped with late model four-wheel drive vehicles stocked with the most modern equipment available to perform professional land surveying services.

SUB-CONSULTANT – KADDEL AERIAL MAPPING

Keddal Aerial Mapping has been fully dedicated to providing high quality, cost effective aerial photography/sensing, photogrammetric mapping, volumetric surveys, geospatial data conversion, and related services for over 50 years. Today, Keddal, as a division of Kucera International Inc., stands as one of the largest and most experienced companies in the aerial mapping and geomatic services professions, annually completing over 700 individual projects covering areas throughout the country and abroad and ranging in size from a few acres to thousands of square miles.

Keddal's technology includes twin and single-engine aircraft, Leica ADS40 and Vexcel UCx digital cameras and ALS60 aerial lidar systems, Zeiss RMK TOP aerial film cameras, Z/I PhotoScan photogrammetric film scanner, Inpho Systems MatchAT aerotriangulation and Orthomaster orthophoto production systems, TerraSolid and Terramodel terrain modeling/volumetric survey software, Zeiss P3 analytical stereoplotters, Z/I SSK and BAE Socet Set softcopy stereoplotters, and current versions of ArcGIS, Microstation, AutoCAD, and various other GIS/CAD platforms. Keddal's clients include numerous federal, state, and local government departments, professional firms, and commercial / industrial organizations.

CONSULTANT'S PROJECT TEAM

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

PROJECT TEAM

Thrasher Engineering has assigned a team of experienced professionals to the Topographical Mapping project for the Department of Environmental Protection.

Chad D. Biller, P.E. will be the **Principal-in-Charge**. His role in this project will be to oversee all contractual aspects of the project with the DEP. Mr. Biller is partner of the firm and is responsible for all AML, roadway, bridge, airport, business / industrial parks, and economic development projects. He will serve as the Engineer-In-Charge.

Aaron Denham joined Thrasher Engineering in 2000, was named partner in the firm in 2009 and serves as Manager of all Construction Inspection, Surveying 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 and surveying for the department of highway, airport, site development, structural and public utilities projects. For the DEP's project, he will serve as **Project Manager**.

Richard (Rick) Haveron, P.S. joined the Thrasher Engineering, Inc. team in late 2011. He has been a registered professional surveyor since 1988 in West Virginia and 1990 in Virginia. Mr. Haveron brings many years of experience with him in the construction industry involving project supervision estimation and quantity take-off from various types of construction plans, and has prepared environmental permits for different types of operations.

Duane Perkins joined Thrasher Engineering in 1992 and serves as Crew Supervisor for the firm. He is responsible for project set-up, review and coordination of his field crew for all types of survey including but not limited to boundary and easement surveys and the preparation of plats and legal descriptions. Mr. Perkins also performs courthouse research, computes field data for construction layout, and processes GPS raw data.

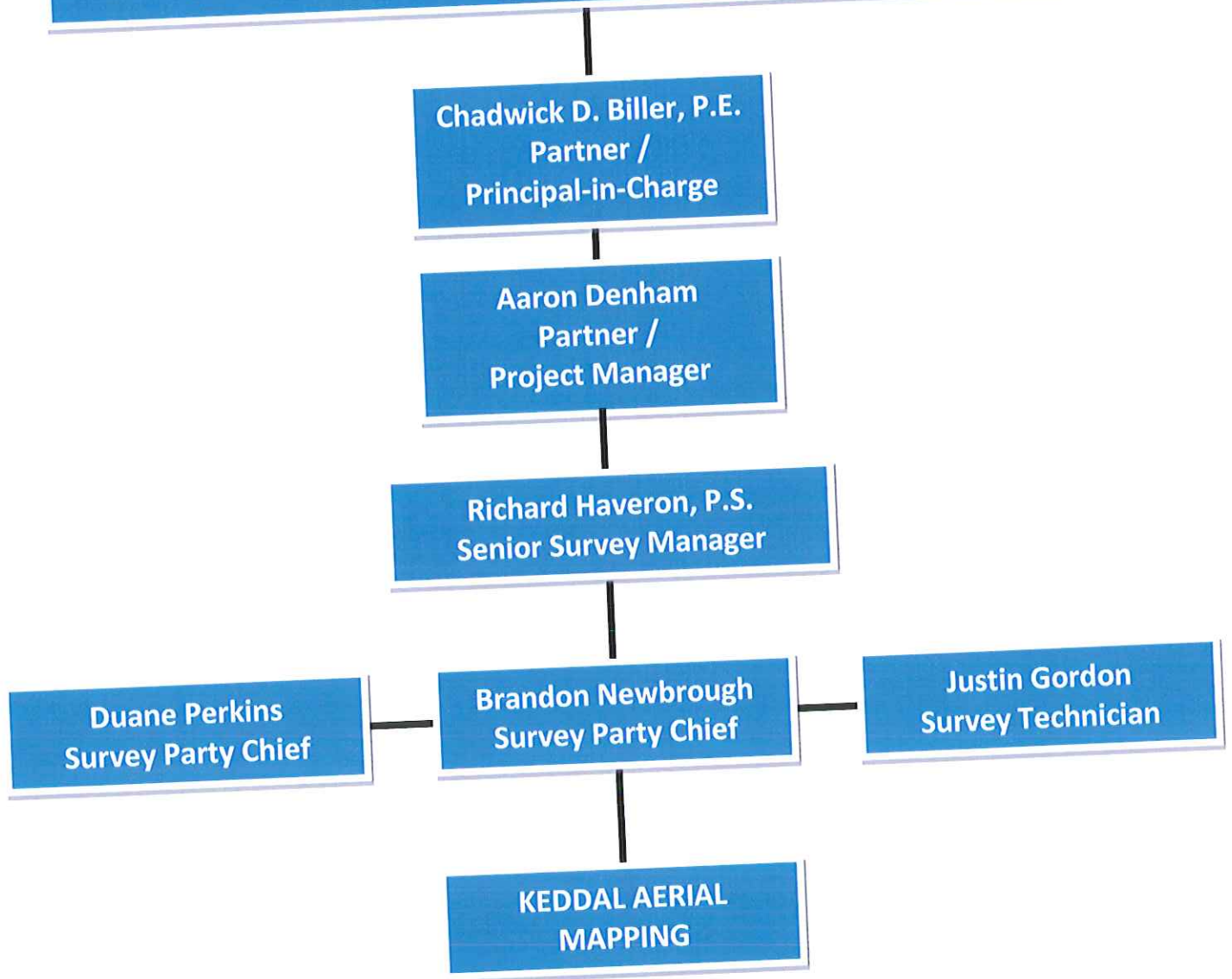
Brandon Newbrough joined Thrasher Engineering in 2007 and serves as a Rodman for the firm. His responsibility includes upkeep and calibration of the survey equipment, loading vehicle with the proper equipment for the day's activities and reviewing the project set-up with the crew supervisor.

Justin Gordon joined Thrasher Engineering in 2011 and serves as a Survey Technician for the firm. His responsibility includes assisting the party chief in completing projects for TEI.

ORGANIZATIONAL CHART

Thrasher Engineering, Inc. has put together a team to address the Department of Environmental Protection project that has experience and technical knowledge that will allow for a successful, time- and cost-efficient project unsurpassed in West Virginia. This organizational chart is followed by personal profiles of each team member.

Department of Environmental Protection



CHADWICK D. BILLER, P.E. – PARTNER / PRINCIPAL-IN-CHARGE

QUALIFICATIONS SUMMARY

Chad Biller has experience in all aspects of engineering. His primary emphasis has been on highways, roads, bridges and airports. Chad joined Thrasher Engineering, Inc. in 1999 and is a partner of Thrasher Engineering. Chad manages and designs the following disciplines:

- Manage and design engineering projects for the WVDOH. The projects included 4 lane divided highways, bridges, 2-lane roads and road widening projects.
- Site Development projects for private and public clients. These projects included mass grading, roads, drainage, storm water management, erosion and sediment control and numerous regulatory permitting activities.
- Airport Engineer for North Central WV Airport. Involved in the day to day and long term upgrades of the airport to promote safety and develop airport properties.
- Responsible for managing 7 full time survey crews. Responsibilities include cost estimating, scheduling and supervision of 30 employees.

EDUCATION

- ❑ B.S., Civil Engineering – West Virginia University, 1992

CERTIFICATIONS

- ❑ Registered Professional Engineer (PE), State of West Virginia #13620
- ❑ Registered Professional Engineer (PE), State of Pennsylvania #PE056012E
- ❑ Registered Professional Engineer (PE), State of Ohio #64594
- ❑ American Society of Civil Engineers
- ❑ American Society of Highway Engineers
- ❑ Member of the Taylor County Economic Development Authority

REPRESENTATIVE PROJECT EXPERIENCE

- ❑ WVDOH Indian Fork: Two span steel beam bridge 127 feet long in Gilmer County, West Virginia. Design of a bridge structure and roadway approaches.
- ❑ WVDOH Jakes Run: Single span steel girder bridge 95 feet long. Design consisted of a bridge, roadway approaches, detour road, water line relocation, and right-way-plans.
- ❑ WVDOH Corley Bridge and Little Grassy Creek Box Beam Bridge: Single concrete box beam bridges. Provided the construction plans for the bridge, road approaches, and rights-of-way plans.
- ❑ WVDOH Orlando Bridge: Single concrete box beam bridge with approximately 1000 linear feet of roadway realignment. Provided the construction plans for the bridge, road realignment, and rights-of-way plans.

- ❑ *WVDOH Corridor H – Davis to Bismarck: Design of over 2 miles of a 4-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.*
- ❑ *Three Forks Bridge: Complete design of a three span steel girder bridge 325 feet long. The purpose of the bridge was to provide access for a new mining facility owned by the International Coal Group. The bridge had to span both a stream and railroad tracks.*
- ❑ *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 were investigated by a geotech 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: Took all of the existing overhead utility lines along Main Street and put 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 Ripley Safe Routes to School Sidewalks: Designed 1,000 feet of sidewalk along with drainage improvements. Worked with the city as they used their own work force to construct the project.*
- ❑ *Raleigh County Memorial Airport Industrial Park: Originally designed the roadway and drainage for a 100 acre industrial park and then continued with the design of a 1,100 linear foot road extension in the park. The project included a detailed erosion and sediment control plan.*
- ❑ *Benedum Airport Authority: Provided a grading, drainage, and erosion and sediment control package for improving the North Central WV Airport runway safety area approach slopes. The project is now proceeding to the design of an 800 foot runway extension.*
- ❑ *Mid-Atlantic Aerospace Complex: Design of approximately 5,400 linear feet of a storm water system and a detention pond. The proposed system will provided drainage infrastructure for future development along an existing airport taxiway.*

AARON DENHAM – PARTNER / PROJECT MANAGER

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

EDUCATION

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

CERTIFICATIONS

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

AFFILIATIONS

- ASHE – American Society of Highway Engineers*

REPRESENTATIVE PROJECT EXPERIENCE

- Rubenstein Center for Youth – Davis, WV [Project Manager]: Responsibilities including reviewing asphalt and concrete mix designs. Coordinating with contractor on assigning field technicians and any special testing. Reviewing field technician's daily reports, field testing reports, and all laboratory testing results before being submitted to owner.*
- Mountaineer Challenge Academy – Camp Dawson, WV [Project Manager]: Responsibilities including reviewing asphalt and concrete mix designs. Coordinating with contractor on assigning field technicians and any special testing. Reviewing field technician's daily reports, field testing reports, and all laboratory testing results before being submitted to owner. Construction began September 2007 and completed January 2010.*

- ❑ **Fairmont State University (Parking Garage, Bryant Place Dormitory, Campus Renovations, Engineering Building Addition, and Falcon Center) [Materials Testing Technician]:** Responsibilities included materials testing and inspection of all material used in the construction all the renovations and new construction for Fairmont State University. Performed compaction testing, with nuclear gauge, on soils, stone, and asphalt, tested concrete for air content, slump, temperature, and compressive strength of cylinders, mortar cubes and grout prisms; rebar inspection, and fireproofing testing which included density and thickness.
- ❑ **Glenville State College Dormitory – Glenville, WV [Project Manager]:** Responsibilities including reviewing asphalt and concrete mix designs. Coordinating with contractor on assigning field technicians and any special testing. Reviewing field technician's daily reports, field testing reports, and all laboratory testing results before being submitted to owner. Construction began October 2009 and completed May 2011. Construction cost was \$100 million.
- ❑ **Bio Medical Research Facility – Morgantown, WV [Project Manager]:** Responsibilities including reviewing asphalt and concrete mix designs. Coordinating with contractor on assigning field technicians and any special testing. Reviewing field technician's daily reports, field testing reports, and all laboratory testing results before being submitted to owner. Construction began July 2006 and completed October 2007. Construction cost was \$30 million.
- ❑ **Mon General Hospital Hazel Ruby McQuain Tower – Morgantown, WV [Project Manager]:** Responsibilities including reviewing asphalt and concrete mix designs. Coordinating with contractor on assigning field technicians and any special testing. Reviewing field technician's daily reports, field testing reports, and all laboratory testing results before being submitted to owner. Construction began September 2006 and completed August 2008. Construction cost was \$90 million.
- ❑ **West Virginia University Cancer Center – Morgantown, WV [Project Manager]:** Responsibilities including reviewing asphalt and concrete mix designs. Coordinating with contractor on assigning field technicians and any special testing. Reviewing field technician's daily reports, field testing reports, and all laboratory testing results before being submitted to owner. Construction began March 2007 and completed May 2008. Construction cost was \$18 million.
- ❑ **West Virginia University Alumni Center – Morgantown, WV [Project Manager]:** Responsibilities including reviewing asphalt and concrete mix designs. Coordinating with contractor on assigning field technicians and any special testing. Reviewing field technician's daily reports, field testing reports, and all laboratory testing results before being submitted to owner. Construction began September 2007 and completed July 2008. Construction cost was \$20 million.

- ❑ *Health Science Learning Center – Morgantown, WV [Project Manager]: Responsibilities including reviewing asphalt and concrete mix designs. Coordinating with contractor on assigning field technicians and any special testing. Reviewing field technician’s daily reports, field testing reports, and all laboratory testing results before being submitted to owner. Construction began May 2005 and completed May 2006. Construction cost was \$12 million.*
- ❑ *Ruby Memorial Hospital NE Addition – Morgantown, WV [Project Manager]: Responsibilities including reviewing asphalt and concrete mix designs. Coordinating with contractor on assigning field technicians and any special testing. Reviewing field technician’s daily reports, field testing reports, and all laboratory testing results before being submitted to owner. Construction began January 2004 and completed May 2005. Construction cost was \$70 million.*

RICHARD L. HAVERON, P.S. – SENIOR SURVEY MANAGER

Mr. Haveron joined the Thrasher Engineering, Inc. team in late 2011. He has been a registered professional surveyor since 1988 in West Virginia and 1990 in Virginia. Mr. Haveron brings many years of experience with him in the construction industry involving project supervision estimation and quantity take-off from various types of construction plans, and has prepared environmental permits for different types of operations.

EDUCATION

- A.S. of Forestry and Surveying from Glenville State College*

AFFILIATIONS

- Registered Professional Surveyor in West Virginia and Virginia*
- American Congress on Surveying and Mapping*
- West Virginia Association of Land Surveyors*

REPRESENTATIVE PROJECT EXPERIENCE

- Tygart Valley Pipeline*
- Baker Hughes Development*
- Preston County EDA – Coastal Lumber*
- Pilot Truck Travel Services – Nitro, WV*
- West Virginia Economic & Development Authority – Berkeley County*
- Hill Corp. Utica #1 & #8 Well Pads*
- Project Engineer and Project Manager for 2 heavy traveled 4-lane highways in the eastern panhandle and the northern part of West Virginia.*
- I-81 4-lane rehabilitation in southern Virginia*
- Landfill cell construction in Virginia and West Virginia*
- Supervised work on the Weyerhaeuser OSB plant in Heaters, West Virginia*
- Supervised survey crews for West Virginia's Corridor H, Route 33 and Corridor L, Route 19*

D. DUANE PERKINS – SURVEY PARTY CHIEF

Mr. Perkins joined Thrasher Engineering in 1992 and serves as Crew Supervisor for the firm. He is responsible for project set-up, review and coordination of his field crew for all types of survey including but not limited to boundary and easement surveys and the preparation of plats and legal descriptions. Mr. Perkins also performs courthouse research, computes field data for construction layout, and processes GPS raw data.

EDUCATION

- Surveying – Rappahannock Community College*
- Surveying – Old Dominion University*

CERTIFICATIONS

- OSHA – Hazardous Waste Operation and Emergency Response Course 29 CFR1910.20*
- US Department of Labor – Mine Safety and Health Administration*
- Hazard Training*

REPRESENTATIVE PROJECT EXPERIENCE

- American Homes Contractors, Martinsburg, WV; Party Chief for Construction Stakeout of Housing Development*
- Dominion Gas, Pine Grove, WV; Party Chief for Gas Line Rights of Way, Property Locates and Utilities*
- James White Construction, CSX Siding*
- Aarow Terminal, Ohio River Barge Project*
- Harman Construction, Route 25/Route 12 Layout*
- Town of Moorefield Flood Protection Project*
- Preston County Water Projects, Tanks, Booster Sites and Line Work*
- Hardy County Water Projects; Party Chief for Proposed Layout and Tank Sites*
- WVDH Roby Hollow Bridge; Party Chief for Bridge Stakeout and Road Extension*

- ❑ *Raleigh County PSD Water Project (Pax and Gold Diggers); Party Chief for Water Line Layout, Tank Sites and Booster Pump Sites*
- ❑ *Raleigh County Memorial Airport Layout; Party Chief for Industrial Park Site*
- ❑ *WVDOH Petersburg Road Widening (Mountaineer Contracting); Party Chief for Road Stakeout*
- ❑ *Eastern Associated Coal, Pre and Post Mine Surveys*
- ❑ *WV DOT-DOH, Topographic Survey of Ohio County Route 41/9*
- ❑ *National Cemetery, Haul Road and Site Work*
- ❑ *Tatman and Lee Associates, GPS Ground Control*
- ❑ *Pocahontas County PSD Sanitary Sewer Project; Party Chief for the Stakeout of Proposed Site*
- ❑ *Chapmanville School Layout (City Windows Contractors); Party Chief for Stakeout of Building and Parking Area*
- ❑ *SDC Alta Survey for Parkersburg Townhouses; Party Chief for Site Plans and Utility Location*
- ❑ *Pentree, Inc., Center Line Layout for Route 20 Athens DOH Project*
- ❑ *NASA Boulevard Road Layout*

BRANDON NEWBROUGH – SURVEY PARTY CHIEF

Mr. Newbrough joined Thrasher Engineering in 2007 and serves as a Survey Party Chief for the firm. His responsibility includes upkeep and calibration of the survey equipment, loading vehicle with the proper equipment for the day's activities and reviewing the project set-up with the crew supervisor.

EDUCATION

- South Harrison High School - 2009**

CERTIFICATIONS

- US Department of Labor – Mine Safety and Health Administration**
- GPS Training—Trimble R8 Model 3**

REPRESENTATIVE PROJECT EXPERIENCE

- Dominion Transmission, Property Locations and Utilities, Gas Line Right of Ways**
- Sun Valley PSD, Sewer & Water**
- Mountaineer Contractors, Construction Stakeout**
- Town of Kingwood, Sewer**
- Mountaineer Grading, Construction Stakeout**
- Eastern Associated Coal, Power Lines, Pre Mines, Bore Holes**
- Hepzibah, Sewer**
- City of Clarksburg, Construction Stakeout**
- Hodgesville PSD, Sewer**
- City of Weston, Sewer**
- Cabella's, Asbuilt**
- White Oaks, Construction Stakeout**
- Genesis Center, Topographic Survey**
- Taylor County Commission, Sewer**
- City Construction, Construction Stakeout**
- Golddiggers, Construction Stakeout**
- Huttonsville PSD, Sewer & Water**

JUSTIN GORDON – SURVEY TECH

Mr. Gordon joined Thrasher Engineering in 2011 and serves as a Survey Technician for the firm. His responsibility includes assisting the party chief in completing projects for TEI.

EDUCATION

- East Fairmont High School – 2005*

REPRESENTATIVE PROJECT EXPERIENCE

- Dominion*
- Federal Bureau of Investigations*
- City Window Construction*
- Bell Contracting*
- S&R Steel*
- Cove Run Contracting*
- McKinney Drilling*
- City of Clarksburg – Sewer*
- City of Bridgeport – Sewer*
- North Central West Virginia Airport*
- Wood County Airport*
- Robert C. Byrd High School*
- Natrium*
- XTO Energy*

RELATED PROJECT EXPERIENCE

WHITE OAKS BUSINESS PARK – HARRISON COUNTY, WEST VIRGINIA

Thrasher Engineering is providing all civil engineering services for the development of White Oaks, a premier business park and retail planned community in North Central West Virginia.



Scope of Services:

- Master Planning
- Engineering Design:
 - Grading
 - Roadways
 - Utilities
 - Miscellaneous items associated with the infrastructure for this project
- Survey
- Construction Administration
- Construction Management
- Inspection
- Materials Testing
- Owner's Representative

Site Development Construction Costs:

- Mass Grading Package: \$9,839,487.00
- Site Utilities: \$ 2,255,852.00
- Roads Package: \$ 4,339,489.00

MCDOWELL COUNTY FEDERAL PRISON

Thrasher Engineering has been involved in two phases of this project. The first phase, under the direction of the McDowell County Commission involved the preparation of the site to create usable land for the prison project. The objective of this project was to push back an existing highwall and enlarge the flat area on the McDowell County's Indian Ridge Industrial Park, a portion of which is being used to accommodate a federal prison. Thrasher Engineering is now providing the site development engineering services for that facility.

This project consisted of the design, bidding, and construction management for the preparation of an industrial park / federal prison site. The construction involved moving 20,000,000 cy of earth to create approximately 250 relatively flat acres for development. Inclusive in our scope of work was site grading, sediment and erosion control, stream relocations, and wetland mitigation. This project cost was \$3,500,000.00.

This work involved laying back an existing highwall and placing the excavated material into a nearby valley to increase the developable acreage of the site. The valley fill serves as a buffer and will be used for non-structural uses.

Following preparation of the industrial park, Thrasher Engineering, as the civil engineer on the prison design team, has provided services for grading, erosion and sediment control, roadways and utilities for the new federal prison.

The project cost for the entire prison project is \$220,000,000.00 of which civil engineering construction cost is approximately \$50,000,000.00.



WOLFE CREEK PARK

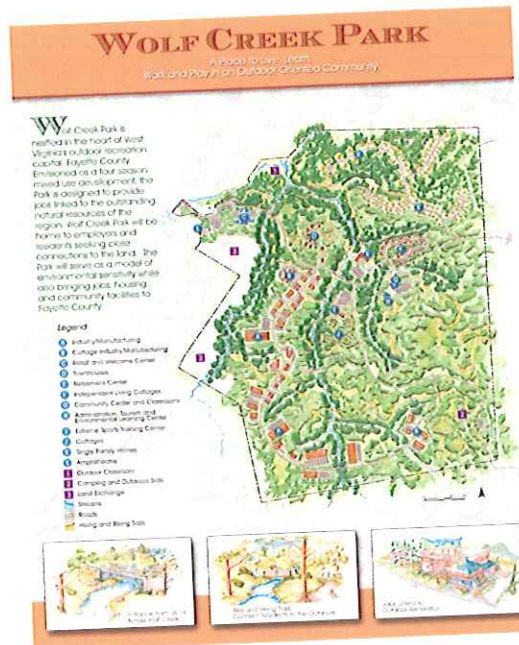
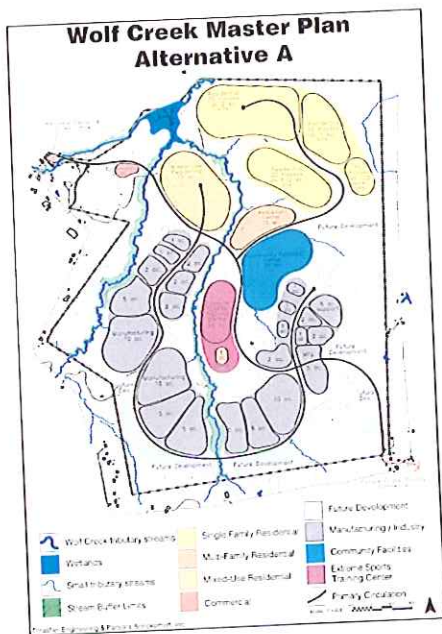
Wolfe Creek Park is a 1,000-acre area with 500 developable acres, dubbed a "Work, Live and Play Community."

Thrasher Engineering has been retained for all aspects of the development, including site selection, preliminary engineering reports, design, preparation of bidding and construction documents, evaluation of bids and construction monitoring and inspection.

This project will consist of:

- ❑ 4,500 LF access road,
- ❑ Grading,
- ❑ Erosion and sediment control, drainage, and
- ❑ Utilities including water, sewer, storm sewer, electric, cable and telecommunications.

The project is currently under construction.



MARTINKA COAL COMPANY

Structure inventories of approximately 200 dwellings and utilities for permit mapping and blasting purposes. The inventory consisted of identifying structures for map placement, photography, structure condition and analysis for pre and post blasting purposes. The project also included preparation of maps showing structure identification numbers.

GARY TIMMS – MARTINKA COAL CO. – 304-366-5516

PETERSBURG LOCAL FLOOD PROTECTION PROJECT

Thrasher Engineering, Inc. was hired by the United States Army Corps of Engineers to provide flood control easement mapping for the Town of Petersburg, Grant County, West Virginia. The primary tasks were to establish boundary lines for permanent easement takes, elevation control for flood ponding, flood control mapping, and easement mapping.

KEVIN BRENNAN – UNITED STATES ARMY CORP OF ENGINEERS - 410-962-4648

EASTERN ASSOCIATED COAL COMPANY

Structure inventories of hundreds of structures to date for an ongoing underground mining operation. The process includes identifying and numbering structures for map placement, preparation of maps with identifiers, floor and critical elevation points of structures for monitoring subsidence, detail mapping of structures, and structure condition and analysis for subsidence purposes.

AL MOORE – EASTERN ASSOCIATED COAL CO. – 304-449-1911

MOOREFIELD LOCAL FLOOD PROTECTION PROJECT

The Moorefield Local Flood Protection Project located in Hardy County, West Virginia, included multiple tasks that needed to be performed for a proposed levy along the North and South Branch of the Potomac River. The project encompassed 1,500 acres along with 200 property owners. The primary tasks were to establish boundary lines for permanent easement takes, elevation control for flood ponding, mitigation areas, flood control mapping, and easement mapping. The project was performed through the United States Army Corps of Engineers.

KEVIN BRENNAN – UNITED STATES ARMY CORP OF ENGINEERS - 410-962-4648

VARIOUS GPS PROJECTS

Our land survey department has successfully completed numerous GPS projects for the purpose of establishing horizontal and vertical control data. Project data consisted of geodetic coordinates, state plane coordinates, and vertical data in various geoid models. A partial listing of projects include the City of Bridgeport, WV – Red Sulpher PSD, Monroe County, WV – Pipestem State Park, Mercer County, WV – Moorefield Local Flood Protection Project, Hardy County, WV – Town of Inwood, Berkeley County, WV – Cellular sites located in Wayne, Kanawha, Cabell, Mason, Jackson, Wood, Marshall, and Ohio Counties, WV.

UNITED STATES ARMY CORPS OF ENGINEERS

Surveying and Engineering for site development of new United States Army Reserve Center sites that included flood control elevation data, property surveying, and engineering design work.

Various USARC sites located in:

Clarksburg, WV – Beckley, WV – Weirton WV – Charleston, WV – Jane Lew, WV – Grantsville, WV

GREG BARNES – UNITED STATES ARMY CORP OF ENGINEERS - 410-962-4988

WEST VIRGINIA DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS

One of six selected firms to provide surveying services statewide for the Department of Highways.

DAVE ATKINSON – WVDOT/DOH - 304- 558-2896

TOWN OF MARLINGTON, POCAHONTAS COUNTY, WV FLOOD RECOVERY AND SUBSEQUENT PROJECTS TO MINIMIZE FUTURE FLOODING EFFECTS

Project involved working with the Town, FEMA, EDA, and EPA to remedy the immediate, adverse effects due to flooding. Additional effort involved assistance with Planning, Annexation of upland areas well above the 100-year flood plain, which also included extending water and sewer services to these areas.

GREENBANK WATER EXTENSION PROJECT, POCAHONTAS COUNTY, WV

Extend water service, as funded by FMHA, to unserved area of the Town. Project involved survey of river crossing and survey location of streets and structures. Project also included all Mapping, Drafting, Design, Permitting, Contract Documents, Bidding and Contract Administration for the Project.

CURRENT PROJECTS

Below is the list of projects that TEI is currently working on that are similar in scope to the Department of Environmental Protection's Aerial Mapping Project.

Baker Hughes Site Development - This project is a 760 acre site project that required aerial mapping to generate contours representing the existing surface at a 2 foot interval. Aerial targets were surveyed and set to establish the control necessary to meet this mapping standard which was used for site design and development.

Tygart Valley Pipeline - This project is a 33 mile long linear project that required aerial mapping of a 2000 foot wide corridor along its entire length. The mapping is based off of aerial survey targets set at specified locations and surveyed to the required accuracy to meet the desired mapping standard. This mapping was used to generate 3D models for engineering design.

Dominion Lewis Site, Compressor Station – This project consists of a 130 acre site in Harrison County, Ohio to generate contours to represent existing surface at 2-foot intervals.



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
DEP15704

PAGE
1

ADDRESS CORRESPONDENCE TO ATTENTION OF:
**GUY NISBET
 304-558-8802**

VENDOR
 RFQ COPY
 TYPE NAME/ADDRESS HERE
**Thrasher Engineering, Inc.
 30 Columbia Boulevard
 PO Box 1532
 Clarksburg, WV 26302**

SHIP TO
**ENVIRONMENTAL PROTECTION
 DEPARTMENT OF
 OFFICE OF AML&R
 601 57TH STREET SE
 CHARLESTON, WV
 25304 304-926-0499**

DATE PRINTED 12/22/2011	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
BID OPENING DATE: 01/31/2012	12			BID OPENING TIME 01 30PM

LINE	QUANTITY	CAT. NO.	UNIT PRICE
0001	1	JB 962-52	
OPEN END CONTRACT MAPPING SERVICES FOR NORTHERN COUNTIES OF WV <p>THE WEST VIRGINIA PURCHASING DIVISION, FOR THE AGENCY, THE WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION OFFICE OF ABANDONED MINE LANDS AND RECLAMATION IS SOLICITING BIDS FROM QUALIFIED VENDOR'S FOR AN OPEN-END CONTRACT TO PROVIDE MAPPING SERVICES IN THE NORTHERN COUNTIES OF WEST VIRGINIA PER THE FOLLOWING SPECIFICATIONS, TERMS AND CONDITIONS, BIDDING REQUIREMENTS AND THE VENDOR'S SUBMITTED AND ACCEPTED BID SCHEDULE</p> <p>THESE MAPPING SERVICES WILL RESULT IN THE DEVELOPMENT OF CONTRACT DOCUMENTS FOR DESIGN & CONSTRUCTION PRO- JECTS THROUGHOUT THE NORTHERN COUNTIES OF WEST VIRGINIA INDICATED HEREIN.</p> <p>INQUIRES:</p> <p>WRITTEN QUESTIONS SHALL BE ACCEPTED THROUGH THE CLOSE OF BUSINESS ON FRIDAY, JANUARY 13, 2012. QUESTIONS MAY BE SENT VIA: USPS, FAX, COURIER OR EMAIL. IN ORDER TO ASSURE THAT NO VENDOR RECEIVES AN UNFAIR ADVANTAGE, NO SUBSTANTIVE QUESTION WILL BE ANSWERED ORALLY. IF POSSIBLE, EMAIL QUESTIONS ARE PREFERRED. TECHNICAL QUESTIONS RECEIVED WILL BE ANSWERED BY FORMAL WRITTEN</p>			

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE: *Charles Burt* TELEPHONE: **304-624-4108** DATE: **January 31, 2012**

TITLE: **Partner/Principal-In-Charge** FEIN: **55-0633596-6** ADDRESS CHANGES: **NOTED ABOVE**

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



State of West Virginia
 Department of Administration
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 OFFICE OF AML&R
 60 SE
 CHARLESTON, WV
 25304 304-926-0499

DATE PRINTED 12/22/2011	TERMS OF SALE	SHIP VIA	FREIGHT TERMS :30PM
BID OPENING DATE: 01/31/2012			

LINE	NO.	ITEM NUMBER	UNIT PRICE
<p>ADDENDUM TO BE ISSUED BY THE PURCHASING DIVISION AFTER THE DEADLINE HAS LAPSED.</p> <p>ADDRESS INQUIRIES TO: GUY NISBET DEPARTMENT OF ADMINISTRATION PURCHASING DIVISION 2019 WASHINGTON STREET, EAST CHARLESTON, WV. 25305 FAX: 304.558.4115 EMAIL: GUY.L.NISBET@WV.GOV</p> <p>EXHIBIT 3</p> <p>LIFE OF CONTRACT: THIS CONTRACT BECOMES EFFECTIVE ON AWARD..... AND EXTENDS FOR A PERIOD OF ONE (1) YEAR OR UNTIL SUCH "REASONABLE TIME" THEREAFTER AS IS NECESSARY TO OBTAIN A NEW CONTRACT OR RENEW THE ORIGINAL CONTRACT. THE "REASONABLE TIME" PERIOD SHALL NOT EXCEED TWELVE (12) MONTHS. DURING THIS "REASONABLE TIME" THE VENDOR MAY TERMINATE THIS CONTRACT FOR ANY REASON UPON GIVING THE DIRECTOR OF PURCHASING 30 DAYS WRITTEN NOTICE.</p> <p>UNLESS SPECIFIC PROVISIONS ARE STIPULATED ELSEWHERE IN THIS CONTRACT DOCUMENT, THE TERMS, CONDITIONS AND PRICING SET HEREIN ARE FIRM FOR THE LIFE OF THE CONTRACT.</p> <p>RENEWAL: THIS CONTRACT MAY BE RENEWED UPON THE MUTUAL WRITTEN CONSENT OF THE SPENDING UNIT AND VENDOR, SUBMITTED TO THE DIRECTOR OF PURCHASING THIRTY (30) DAYS PRIOR TO THE EXPIRATION DATE. SUCH RENEWAL SHALL BE IN ACCORDANCE WITH THE TERMS AND CONDITIONS OF THE ORIGINAL CONTRACT AND SHALL BE LIMITED TO TWO (2) ONE</p>			

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE: *Chris Bill* TELEPHONE: 304-624-4108 DATE: January 31, 2012

TITLE: Partner/Principal-In-Charge FEIN: 55-0633596-6 ADDRESS CHANGES TO BE NOTED ABOVE

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



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**Request for
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PAGE
 3

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 Thrasher Engineering, Inc.
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 Clarksburg, WV 26302

DEPARTMENT OF
 OFFICE AML&R
 57TH STREET SE
 CHARLESTON, WV
 25304 304-926-0499

DATE PRINTED 12/22/2011	TERMS OF SALE	SHIP VIA	FREIGHT TERMS
BID OPENING DATE: 01/31/2012	BID OPENING TIME: 01:30P		AMOUNT

LINE	QUANT	DESCRIPTION	AMOUNT
		<p>(1) YEAR PERIODS.</p> <p>CANCELLATION: THE DIRECTOR OF PURCHASING RESERVES THE RIGHT TO CANCEL THIS CONTRACT IMMEDIATELY UPON WRITTEN NOTICE TO THE VENDOR IF THE COMMODITIES AND/OR SERVICES SUPPLIED ARE OF AN INFERIOR QUALITY OR DO NOT CONFORM TO THE SPECIFICATIONS OF THE BID AND CONTRACT HEREIN.</p> <p>OPEN MARKET CLAUSE: THE DIRECTOR OF PURCHASING MAY AUTHORIZE A SPENDING UNIT TO PURCHASE ON THE OPEN MARKET, WITHOUT THE FILING OF A REQUISITION OR COST ESTIMATE, ITEMS SPECIFIED ON THIS CONTRACT FOR IMMEDIATE DELIVERY IN EMERGENCIES DUE TO UNFORESEEN CAUSES (INCLUDING BUT NOT LIMITED TO DELAYS IN TRANSPORTATION OR AN UNANTICIPATED INCREASE IN THE VOLUME OF WORK.)</p> <p>QUANTITIES: QUANTITIES LISTED IN APPROXIMATIONS ONLY, BASED ON ESTIMATES SUPPLIED BY THE STATE SPENDING UNIT. IT IS UNDERSTOOD AND AGREED THAT THE CONTRACT SHALL COVER THE QUANT ORDERED FOR DELIVERY DURING THE TERM OF THE CONTRACT, WHETHER MORE OR LESS THAN THE QUANTITIES SHOWN.</p> <p>ORDERING PROCEDURE: SPENDING UNIT(S) SHALL ISSUE A WRITTEN STATE CONTRACT ORDER TO THE VENDOR FOR COMMODITIES COVERED BY THIS CONTRACT. THE ORIGINAL COPY OF THE WV-39 SHALL BE MAILED TO THE VENDOR AS AUTHORIZATION FOR SHIPMENT, A SECOND COPY MAILED TO THE PURCHASING DIVISION, AND A THIRD COPY RETAINED BY THE SPENDING UNIT.</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>	

SIGNATURE: *Chad Bill* TELEPHONE: 304-624-4108 DATE: January 31, 2012
 TITLE: Partner/Principal-In-Charge FEIN: 55-0633596-6
 ADDRESS CHANGES TO BE NOTED ABOVE
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PAGE
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 OFFICE OF AML&R
 601 57TH STREET SE
 CHARLESTON, WV
 25304 304-926-0499**

DATE	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
12/22/2011				
BID OPENING DATE: 01/31/201		BID OPENING TIME 01 PM		

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER
<p>THE TERMS AND CONDITIONS CONTAINED IN THIS CONTRACT SHALL SUPERSEDE ANY AND ALL SUBSEQUENT TERMS AND CONDITIONS WHICH MAY APPEAR ON ANY ATTACHED DOCUMENTS SUCH AS PRICE LISTS, ORDER FORMS, SALES AGREEMENTS OR MAINTENANCE AGREEMENTS, INCLUDING ANY ELECTRONIC MEDIUM SUCH AS CD-ROM.</p> <p>REV. 05/26/2009</p> <p>EXHIBIT 10</p> <p>REQUISITION NO.: DEP15704....</p> <p>ADDENDUM ACKNOWLEDGEMENT</p> <p>I HEREBY ACKNOWLEDGE RECEIPT OF THE FOLLOWING CHECKED ADDENDUM(S) AND HAVE MADE THE NECESSARY REVISIONS TO MY PROPOSAL, PLANS AND/OR SPECIFICATION, ETC.</p> <p>ADDENDUM NO.'S:</p> <p>NO. 1</p> <p>NO. 2</p> <p>NO. 3</p> <p>NO. 4</p> <p>NO. 5</p> <p>I UNDERSTAND THAT FAILURE TO CONFIRM THE RECEIPT OF THE ADDENDUM(S) MAY BE CAUSE FOR REJECTION OF BIDS.</p> <p>VENDOR MUST CLEARLY UNDERSTAND THAT ANY VERBAL</p>				

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE *Chad Bille* TELEPHONE **304-624-4108** DATE **January 31, 2012**

TITLE **Partner/Principal-In-Charge** FEIN **55-0633596-6** ADDRESS CHANGES TO BE NOTED ABOVE

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



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

Request for Quotation

RFO NUMBER
 DEP15704


PAGE
 5

ADDRESS CORRESPONDENCE TO ATTENTION OF:
 GUY NISBET
 304-558-8802

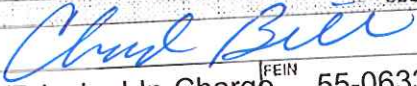
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 Thrasher Engineering, Inc.
 30 Columbia Boulevard
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SHIP TO
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 DEPARTMENT OF
 OFFICE OF AML&R
 601 57TH STREET SE
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DATE PRINTED 12/22/2011	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
BID OPENING DATE:	BID OPENING TIME 01:30PM			

CAT. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
<p>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.</p> <p style="text-align: center;">  SIGNATURE Thrasher Engineering, Inc. COMPANY January 31, 2012 DATE </p> <p>NOTE: THIS ADDENDUM ACKNOWLEDGEMENT SHOULD BE SUBMITTED WITH THE BID.</p> <p>REV. 09/21/2009</p> <p>PURCHASING CARD ACCEPTANCE: THE STATE OF WEST VIRGINIA CURRENTLY UTILIZES A VISA PURCHASING CARD PROGRAM WHICH IS ISSUED THROUGH A BANK. THE SUCCESSFUL VENDOR MUST ACCEPT THE STATE OF WEST VIRGINIA VISA PURCHASING CARD FOR PAYMENT OF ALL ORDERS PLACED BY ANY STATE AGENCY AS A CONDITION OF AWARD.</p> <p style="text-align: center;">NOTICE</p> <p>A SIGNED BID MUST BE SUBMITTED TO: DEPARTMENT OF ADMINISTRATION PURCHASING DIVISION</p>			

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE  TELEPHONE 304-624-4108 DATE January 31, 2012

Partner/Principal-In-Charge FEIN 55-0633596-6 ADDRESS CHANGES TO BE NOTED ABOVE

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State of West Virginia
 Department Administration
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PAGE
 6

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DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
12/22/2011				
BID OPENING DATE: 1/31/2012		BID		:30P

QUANTITY	CAT. NO.	DESCRIPTION
		BUILDING 15 2019 WASHINGTON STREET, EAST CHARLESTON, WV 25305-0130
THE BID SHOULD CONTAIN THIS INFORMATION ON THE FACE OF THE ENVELOPE OR THE BID MAY NOT BE CONSIDERED: SEALED BID BUYER:-----GN----- RFQ. NO.:-----DEP15704----- BID OPENING DATE:-----01/31/2012----- BID OPENING TIME:-----1:30PM----- PLEASE PROVIDE A FAX NUMBER IN CASE IT IS NECESSARY TO CONTACT YOU REGARDING YOUR BID: 304-624-7831 CONTACT PERSON (PLEASE PRINT CLEARLY): Chad Biller, P.E.		

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE: *Chad Biller* TELEPHONE: 304-624-4108 DATE: January 31, 2012

TITLE: Partner/Principal-In-Charge FEIN: 55-0633596-6 ADDRESS CHANGES TO BE NOTED ABOVE

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



State of West Virginia
 Department of Administration
 Purchasing Division
 9 Washington Street East
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Req for Quotation

RFQ NUMBER
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PAGE
 7

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 Clarksburg, WV 26302

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 OFFICE OF AML&R
 601 57TH STREET SE
 CHARLESTON, WV
 25304 304-926-0499

DATE PRINTED 12/22/2011	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
BID OPENING DATE: 01/31/2012	BID OPENING TIME 01:30PM			

LINE	UOP	CAT. NO.	AMOUNT
***** THIS IS THE END OF RFQ DEP15704 ***** TOTAL:			

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE: *Chad Bill* TELEPHONE: 304-624-4108 DATE: January 31, 2012

TITLE: Partner/Principal-In-Charge FEIN: 55-0633596-6 ADDRESS CHANGES TO BE NOTED ABOVE

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



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

**Request for
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RFO NUMBER
 DEP15704

PAGE
 1

ADDRESS CORRESPONDENCE TO ATTENTION OF:
 GUY NISBET
 304-558-8802

*314131316 304-343-7601

VENDOR

Thrasher Engineering, Inc.
 30 Columbia Boulevard
 PO Box 1532
 Clarksburg, WV 26302

SHIP TO

ENVIRONMENTAL PROTECTION
 DEPARTMENT OF
 OFFICE OF AML&R
 601 57TH STREET SE
 CHARLESTON, WV
 25304 304-926-0499

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
01/24/2012	01/31/2012			
BID OPENING TIME		01:30PM		

LINE	UOP	CAT. NO.			
0001	1	962-52	ADDENDUM ISSUED TO PUBLISH Q&A'S RECEIVED AND AS ANSWERED BY THE AGENCY. BID OPENING DATE AND TIME REMAINS UNCHANGED. NO OTHER CHANGES. END OF ADDENDUM NO. 1		
	JB		MAPPING SERVICES FOR NORTHERN COUNTIES OF WV		
***** THIS IS THE END OF RFQ DEP15704 ***** TOTAL:					

RECEIVED

JAN 30 2012

THRASHER ENVIRONMENTAL INC.

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE: *Carol Burt* TELEPHONE: 304-624-4108 DATE: January 31, 2012

TITLE: Partner/Principal-In-Charge FEIN: 55-0633596-6 ADDRESS CHANGES TO BE NOTED ABOVE

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

Rev. 09/08

State of West Virginia
VENDOR PREFERENCE CERTIFICATE

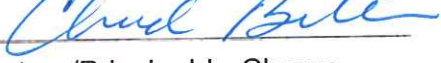
Certification and application* is hereby made for Preference in accordance with *West Virginia Code*, §5A-3-37. (Does not apply to construction contracts). *West Virginia Code*, §5A-3-37, provides an opportunity for qualifying vendors to request (at the time of bid) preference for their residency status. Such preference is an evaluation method only and will be applied only to the cost bid in accordance with the *West Virginia Code*. This certificate for application is to be used to request such preference. The Purchasing Division will make the determination of the Resident Vendor Preference, if applicable.

- 1. Application is made for 2.5% resident vendor preference for the reason checked:
 Bidder is an individual resident vendor and has resided continuously in West Virginia for four (4) years immediately preceding the date of this certification; or,
 Bidder is a partnership, association or corporation resident vendor and has maintained its headquarters or principal place of business continuously in West Virginia for four (4) years immediately preceding the date of this certification; or 80% of the ownership interest of Bidder is held by another individual, partnership, association or corporation resident vendor who has maintained its headquarters or principal place of business continuously in West Virginia for four (4) years immediately preceding the date of this certification; or,
 Bidder is a nonresident vendor which has an affiliate or subsidiary which employs a minimum of one hundred state residents and which has maintained its headquarters or principal place of business within West Virginia continuously for the four (4) years immediately preceding the date of this certification; or,
- 2. Application is made for 2.5% resident vendor preference for the reason checked:
 Bidder is a resident vendor who certifies that, during the life of the contract, on average at least 75% of the employees working on the project being bid are residents of West Virginia who have resided in the state continuously for the two years immediately preceding submission of this bid; or,
- 3. Application is made for 2.5% resident vendor preference for the reason checked:
 Bidder is a nonresident vendor employing a minimum of one hundred state residents or is a nonresident vendor with an affiliate or subsidiary which maintains its headquarters or principal place of business within West Virginia employing a minimum of one hundred state residents who certifies that, during the life of the contract, on average at least 75% of the employees or Bidder's affiliate's or subsidiary's employees are residents of West Virginia who have resided in the state continuously for the two years immediately preceding submission of this bid; or,
- 4. Application is made for 5% resident vendor preference for the reason checked:
 Bidder meets either the requirement of both subdivisions (1) and (2) or subdivision (1) and (3) as stated above; or,
- 5. Application is made for 3.5% resident vendor preference who is a veteran for the reason checked:
 Bidder is an individual resident vendor who is a veteran of the United States armed forces, the reserves or the National Guard and has resided in West Virginia continuously for the four years immediately preceding the date on which the bid is submitted; or,
- 6. Application is made for 3.5% resident vendor preference who is a veteran for the reason checked:
 Bidder is a resident vendor who is a veteran of the United States armed forces, the reserves or the National Guard, if, for purposes of producing or distributing the commodities or completing the project which is the subject of the vendor's bid and continuously over the entire term of the project, on average at least seventy-five percent of the vendor's employees are residents of West Virginia who have resided in the state continuously for the two immediately preceding years.

Bidder understands if the Secretary of Revenue determines that a Bidder receiving preference has failed to continue to meet the requirements for such preference, the Secretary may order the Director of Purchasing to: (a) reject the bid; or (b) assess a penalty against such Bidder in an amount not to exceed 5% of the bid amount and that such penalty will be paid to the contracting agency or deducted from any unpaid balance on the contract or purchase order.

By submission of this certificate, Bidder agrees to disclose any reasonably requested information to the Purchasing Division and authorizes the Department of Revenue to disclose to the Director of Purchasing appropriate information verifying that Bidder has paid the required business taxes, provided that such information does not contain the amounts of taxes paid nor any other information deemed by the Tax Commissioner to be confidential.

Under penalty of law for false swearing (*West Virginia Code*, §61-5-3), Bidder hereby certifies that this certificate is true and accurate in all respects; and that if a contract is issued to Bidder and if anything contained within this certificate changes during the term of the contract, Bidder will notify the Purchasing Division in writing immediately.

Bidder: Thrasher Engineering, Inc. Signed: 
 Date: January 31, 2012 Title: Partner/Principal-In-Charge

*Check any combination of preference consideration(s) indicated above, which you are entitled to receive.

RFQ No. DEP15704

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.

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: *Clay Bell* Date: January 31, 2012

State of West Virginia

County of Harrison, to-wit:

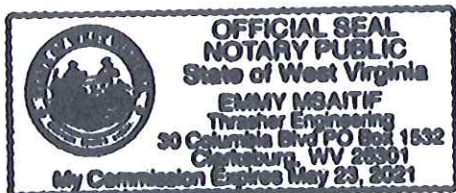
Taken, subscribed, and sworn to before me this 31st day of January, 2012

My Commission expires May 23, 2021

AFFIX SEAL HERE

NOTARY PUBLIC

Emmy M. Saitif



**MAPPING SERVICES IN NORTHERN COUNTIES OF WEST VIRGINIA
OPEN-END CONTRACT
DEP15704
BID SCHEDULE**

The DEP reserves the right to request additional and supporting documentation regarding unit prices when the unit price appears to be unreasonable.

Item No.	Quantity	Description	Unit Price	Amount
1.0	700	2 - Man Surveying Crew (per hour)	\$ 80.00	\$56,000.00
2.0	225	3 - Man Surveying Crew (per hour)	\$115.00	\$25,875.00
3.0	280	Aerial Photograph Production (per sheet)	\$283.50	\$79,380.00
4.0		Topographic Mapping from Aerial Photography (per acre) (List only one rate for each category)		
	500	0 - 50 Acres	\$ 12.60	\$ 6,300.00
	280	51 - 100 Acres	\$ 11.55	\$ 3,234.00
	202	101 and up Acres	\$ 10.50	\$ 2,121.00
5.0		Professional Rates (Listed Disciplines Only) (per hour)		
	250	Licensed Land Surveyor	\$ 100.00	\$25,000.00
	1100	CAD Operator	\$ 50.00	\$55,000.00
	200	Draftsperson	\$ 50.00	\$10,000.00
	125	Secretary	\$ 40.00	\$ 5,000.00
	150	Word Processor	\$ 40.00	\$ 6,000.00
6.0		Travel and Per Diem		
	125	Per Diem (Rate/Person/Day)	\$ 72.50	\$ 9,062.50
		TOTAL		\$282,972.50

*These are estimated quantities for bidding purposes only.