



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
GSD116434

PAGE
1

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

PROPERTY

RFQ COPY
 TYPE NAME/ADDRESS HERE
 Thrasher Engineering, Inc.
 30 Columbia Blvd.
 Clarksburg, WV 26301

SHIP TO

DEPARTMENT OF ADMINISTRATION
 GENERAL SERVICES
 BUILDING 1 ROOM MB60
 1900 KANAWHA BOULEVARD, EAST
 CHARLESTON, WV
 25305-0123 304-558-2317

DATE PRINTED	TERMS OF SALE	SHIP VIA	FOB	FREIGHT TERMS
02/02/2011				

BID OPENING DATE: 03/01/2011 BID OPENING TIME 01:30PM

LINE	QUANTITY	UOP	CAT NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
0001	1	LS		906-07		
<p>A&E SERVICES: REDESIGN OF EAST CAMPUS PARKING LOTS</p> <p>EXPRESSION OF INTEREST (EOI) ARCHITECTURAL/ENGINEERING SERVICES</p> <p>THE WEST VIRGINIA DIVISION OF PURCHASING FOR THE AGENCY, THE WEST VIRGINIA DIVISION OF GENERAL SERVICES, IS SOLICITING FOR EXPRESSIONS OF INTEREST TO PROVIDE ARCHITECTURAL AND ENGINEERING SERVICES TO EVALUATE AND REDESIGN THE AREAS OF THE EAST MAIN CAMPUS PARKING LOTS PER THE ATTACHED SPECIFICATIONS.</p> <p>TECHNICAL QUESTIONS CONCERNING THIS SOLICITATION MUST BE SUBMITTED IN WRITING TO KRISTA FERRELL IN THE DIVISION OF PURCHASING VIA MAIL AT THE ADDRESS SHOWN IN THE BODY OF THIS EOI, VIA FAX AT 304-558-4115, OR VIA EMAIL AT KRISTA.S.FERRELL@WV.GOV. DEADLINE FOR ALL TECHNICAL QUESTIONS IS FEBRUARY 15, 2011 AT THE CLOSE OF BUSINESS. ANY TECHNICAL QUESTIONS RECEIVED WILL BE ANSWERED BY FORMAL ADDENDUM TO THIS EOI ISSUED BY THE PURCHASING DIVISION.</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>NOTICE</p>						

RECEIVED

2011 MAR -1 P 12: 52

PURCHASING DIVISION
STATE OF WV

SEE REVERSE SIDE FOR TERMS AND CONDITIONS			
SIGNATURE <i>Chw...</i>	TELEPHONE	DATE	
TITLE	FEIN	ADDRESS CHANGES TO BE NOTED ABOVE	

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



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

Request for Quotation

RFQ NUMBER:
GSD116434

PAGE:
2

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

VENDOR

RFQ COPY
 TYPE NAME/ADDRESS HERE
**Thrasher Engineering, INC
 30 Columbia Blvd.
 CLARKSBURG, WV 26301**

SHIP TO

DEPARTMENT OF ADMINISTRATION
 GENERAL SERVICES
 BUILDING 1 ROOM MB60
 1900 KANAWHA BOULEVARD, EAST
 CHARLESTON, WV
 25305-0123 304-558-2317

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02/02/2011				

BID OPENING DATE: **03/01/2011** BID OPENING TIME **01:30PM**

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
<p>A SIGNED EOI MUST BE SUBMITTED TO:</p> <p>DEPARTMENT OF ADMINISTRATION PURCHASING DIVISION BUILDING 15 2019 WASHINGTON STREET, EAST CHARLESTON, WV 25305-0130</p> <p>THE EOI SHOULD CONTAIN THIS INFORMATION ON THE FACE OF THE ENVELOPE OR THE EOI MAY NOT BE CONSIDERED:</p> <p>SEALED EOI</p> <p>BUYER: KRISTA FERRELL-FILE 21</p> <p>EOI. NO.: GSD116434</p> <p>EOI OPENING DATE: MARCH 1, 2011</p> <p>EOI OPENING TIME: 1:30 PM</p> <p>PLEASE PROVIDE A FAX NUMBER IN CASE IT IS NECESSARY TO CONTACT YOU REGARDING YOUR EOI: 304-624-7831</p> <p>-----</p> <p>CONTACT PERSON (PLEASE PRINT CLEARLY): Chad Riley</p> <p>-----</p>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE <i>C. W. Riley</i>	TELEPHONE 304-624-4108	DATE 2/28/11
TITLE PARTNER	FEIN 709-052544	ADDRESS CHANGES TO BE NOTED ABOVE

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

March 1, 2010

Department of Administration
General Services
Building 1 Room MB60
1900 Kanawha Blvd. E
Charleston, WV 25305

Re: Expression of Interest to provide A&E Services for Redesign of East Campus Parking Lots

Dear Sir or Madam:

Thrasher Engineering Inc. (Thrasher) is very interested in assisting the Department of Administration, General Services Division with the successful completion of the Redesign of East Campus Parking Lots project. We are a West Virginia firm and can provide all the services you require in a timely and cost effective manner from our offices in Clarksburg and Charleston.

Thrasher has enjoyed working on many parking lot, site development and WV Division of Highways (WVDOH) projects. Thrasher Engineering is recognized by WVDOH and the construction industry in West Virginia for providing very accurate design plans from which to bid from. This results in more bidders and lower bids on our projects.

I will lead our team and serve as Principal-in-Charge and Project Manager for this project. I oversee all Thrasher site development and architectural related projects. Jim Christie, RLA, will serve as Landscape Architect, Jeff Gola, PE, and Mike Nestor, PE, will serve as Project Engineers. These gentlemen are located in our Clarksburg office and have a wealth of related project experience which is listed in the attached pages.

We can most economically provide utility engineering, GIS mapping, surveying, and inspection/quality control services on this project from our Charleston office in North Gate Business Park located just minutes from the project site.

Thanks for your consideration to be short-listed so that we may discuss this exciting project with members of the selection committee.

Sincerely,



Chad Riley, PE
Partner

FIRM INFORMATION

Simply stated, Thrasher Engineering, Incorporated offers a higher level of expertise, experience and documented history of client satisfaction than other engineering firms.

Thrasher Engineering is a **West Virginia owned and operated** full service consulting engineering firm. We can bring you the services required to meet your needs **under single corporate management** with a solid team.

Thrasher Engineering, Inc. is a civil engineering consulting firm specializing in public works projects. Over \$600 million in water, sewer, site development, survey and construction management projects have been designed and supervised by the firm in our 27-year history.

Thrasher Engineering is based in **Clarksburg, West Virginia**. Branch offices are located in **Charleston and Beckley, West Virginia; and Oakland, Maryland**. Our affiliate company, Pentree, is located in **Princeton, West Virginia**.

Since our formation the company has grown to a firm of over 170 persons. This staff includes twenty-five engineers, twelve of whom are registered professional engineers. The Survey Department 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.

Our full and diverse staff has the resources to handle many projects, both large and small, simultaneously. The client base includes cities, towns, county governments, and public service districts; we also provide services to a number of Federal and State governmental agencies and private corporations.

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 insure project success, and want to be the clients' engineer, project after project.



The home office of Thrasher Engineering is located in Clarksburg, WV



Thrasher Engineering's office in Charleston, West Virginia.

4.2 PROPOSAL FORMAT

We have prepared our proposal in the order requested and referenced in the RFQ.

4.2.1 CONCEPT

The purpose of the General Services Division's Redesign of East Campus Parking Lots project (GSD116434) is to consolidate and pave the various state owned parking lots located on the East side of the West Virginia State Capitol Complex. Goals of the project or to improve parking traffic flow, to maximize the number of parking spaces, preserve existing site lighting where possible, and to improve the utility infrastructure to facilitate future site development.

Thrasher Engineering, Inc. is very well suited to provide the A&E Services required for this project. We have completed hundreds of site development and utility projects throughout West Virginia. We have recently provided A&E services for similar projects at West Virginia University in Morgantown and at Fairmont State University in Fairmont.

We will address this project in four stages: mapping, master planning, design, and construction. Our approach to each of these phases is described below.

MAPPING

Existing utility location and coordination with the various utility providers is critical. Thrasher Engineering has a wealth of utility system investigation and mapping experience. Utility engineering, surveying and GIS services will be provided very efficiently from our Charleston office in North Gate Business Park located within just minutes of the project site. Thrasher's GIS Group and licensed surveyors will map all utilities and provide topographic and base mapping. We may utilize our in-house pipe camera unit to investigate the underground utilities. Our sub-consultant, HC Nutting Company of Charleston will provide any geotechnical investigations required by the project.

MASTER PLANNING

Our engineers and landscape architects have a wealth of experience in master planning of site development projects including parking facilities. We will work with the State's representatives to develop an overall master plan and engineering report considering:

- Traffic flow
- Parking lot consolidation & reconfiguration
- ADA accessibility
- Pedestrian corridors
- Limited landscaping
- Space for future buildings

DESIGN

Thrasher Engineering excels at design and preparation of construction documents for site development and utility projects. Our plans are recognized by West Virginia's construction industry as easy and accurate plans to bid from. This is why our projects typically receive more bids and our engineer's construction estimates are reliable. Design will include but not limited to:

- Demolition
- Drainage
- Geotechnical
- Evaluation of base failure
- Pavement design
- Reconfigured parking
- "Phasing / Maintenance of Parking" Plan

CONSTRUCTION

Coordination during construction will be essential to the success of this project. Thrasher engineers located in the Charleston office will oversee and help facilitate a coordinated construction process. Thrasher Engineering will also provide materials testing and construction observation to insure compliance with design specifications.

Information on similar projects completed by Thrasher Engineering may be found in section 4.2.4.

4.2.2 FIRM/TEAM QUALIFICATIONS

a. Thrasher Engineering, Inc. (Thrasher) Project Manager and Firm Partner who will be responsible for the project:

Chad Riley, PE
Thrasher Engineering, Inc
30 Columbia
Clarksburg, WV
304.624.4108
criley@thrashereng.com



b. Names, function and resume of individuals within the lead firm's organization who will be assigned to this project.

CHAD M. RILEY, PE – PRINCIPAL IN CHARGE / PROJECT MANAGER

Chad Riley will serve as Principal in Charge and Project Manager. Mr. Riley is a graduate of Fairmont State University and joined Thrasher Engineering in 1996. He serves as Partner in the firm and as Manager of the Site Development Engineering, Architecture and Master Planning/Landscape Architecture divisions of the company. He has been responsible for the design of many large parking facilities and currently serves as Project Manager for the WVU Milan Puskar Stadium Silver Lot Expansion and Renovation project. Mr. Riley excels in project management of large site development design projects, completing them on schedule and within the budget.

JEFFREY GOLA, PE – PROJECT ENGINEER

Mr. Gola joined Thrasher Engineering in 1998 and serves as Project Manager/Engineer on Highway Projects, Community Improvement Projects, and Commercial Site Development Projects. 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. Jeff is a Summa Cum Laude graduate of West Virginia University, receiving his Bachelor of Science Degree in Civil Engineering.

A Registered Professional Engineer in the States of West Virginia and Maryland, Jeff's engineering design specialties include roadway and bridge design, sidewalks and streetscapes, storm water management and erosion and

CHAD M. RILEY, PE
PRINCIPAL-IN-CHARGE/PROJECT MANAGER

Chad Riley joined Resource Engineering Group 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 and Architecture Manager and Project Manager for site development projects. The focus of these projects is for the development of industrial and business parks, multi-use developments and long-term, multi-phase infrastructure improvement and architectural design and building projects. He has extensive experience in working with both Federal and State funding agencies, including the US Department of Commerce, Economic Development Authority and the State of West Virginia Development Office.

Chad currently serves, as Relationship/Project Manager for open-end engineering service contracts for both West Virginia University and Fairmont State University. He has also served as Principal-in-Charge and Project Manager on 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.

EDUCATION

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

REGISTRATIONS

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

AFFILIATIONS

- Fairmont State University Technology Advisory Committee*

SITE DEVELOPMENT/ ARCHITECTURAL PROJECTS – PRINCIPAL-IN-CHARGE / PROJECT MANAGER

- WEST VIRGINIA UNIVERSITY**
 - *Milan Puskar Stadium Silver Lot Expansion and Improvements*
 - *Natatorium Locker Room and Office Improvements*
 - *Water Line Replacement – Evansdale Campus*
 - *Steam Valve Replacement*
- FAIRMONT STATE UNIVERSITY: 10-YEAR INFRASTRUCTURE IMPROVEMENTS PROJECT:**
 - *Hunt-Haught Hall – Renovation Project*
 - *Utilities, Roadways, Sidewalks, Storm Drainage, Utility Relocation*
 - *Parking Garage*
 - *Falcon Center (Student Activity Center)*
 - *Bryant Place Dormitory*
- WHITE OAKS BUSINESS PARK**
 - *Site Development – Mass Grading / Roadways/Utilities and Telecommunications*
 - *Progress Center Office Buildings*
 - *Village at White Oaks Retail Center*
- PINECREST BUSINESS AND TECHNOLOGY PARK – RALEIGH COUNTY, WV**
- WOLF CREEK PARK “LIVE, WORK AND PLAY” COMMUNITY – FAYETTE COUNTY, WV**
- CHARLES POINTE DEVELOPMENT – BRIDGEPORT, WV**
 - *Mass Grading, Roadways, Sidewalks, Utilities*
 - *Conference Center*
- WOOD PRODUCTS INDUSTRIAL PARK – MINGO COUNTY, WV**
- PUTNAM COUNTY INDUSTRIAL PARK**
- BELINGTON INDUSTRIAL PARK – BARBOUR COUNTY, WV**
- FEDERAL BUREAU OF PRISONS**
 - *Glenville Correctional Institute – Gilmer County, WV*
 - *Canaan U.S. Penitentiary / Federal Prison Camp*
 - *McDowell County Federal Prison*

QUALIFICATIONS SUMMARY

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.

AREAS OF SPECIALIZATION

- 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.*

EDUCATION

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

REGISTRATION

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

SELECTED REPRESENTATIVE PROJECT EXPERIENCE

- West Virginia University Steam Tunnel Repairs/Restoration (Morgantown, WV) Project engineer for improvements and repairs to the steam tunnel system between Stansbury and Clark Halls on the Downtown Campus of WVU. Provided preliminary inspection and investigation, specifications and construction documents.*
- Fairmont State University, Engineering Technology Building (Marion County, WV)
Thrasher worked with with the architect who was renovating the existing technology building on campus. Provided grading and utility plans for the renovation along with a retaining wall was designed as a segmental block wall with grating that spanned between the wall and the proposed building.*
- Benedum Airport Authority (Harrison County, WV)
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.*
- City of Grafton, Main Street Revitalization (Taylor County, WV)
The project consisted of designing sidewalks that incorporated decorative street lights, benches, handicap ramps, and landscape islands.*
- City of Pleasant Valley Sidewalks (Marion County, WV)
Working with the local regional planning and development council, successfully designed and constructed approximately 3500 feet of sidewalk using transportation enhancement funds and safe routes to school funds in three phases. Designing a phase 4 portion of sidewalk for the city now.*
- City of Ripley, Main Street Revitalization (Jackson County, WV)
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*
- Fairmont State University, Athletic Field Improvement (Marion County, WV)
The goal of the design was to provide grading and the aggregate sub base for the installation of field turf. The field turf was to be installed on both the main football field and softball field. The design included a retaining wall, drainage structure, and a new access road to the fields. The biggest obstacle for the project was that the contract had to be designed and built before the first football game. Having not started the design until late spring, we were still able to competitively bid and award the contract and work with the contractor to meet the deadline.*
- Harrison County BOE, Liberty H.S. Athletic Facility (Harrison County, WV)
Worked with school booster club and members of the board of education to provide project plans to construct a soccer, track, and football facility on campus of Liberty High School. The design includes the parking, access roads, field house, bleachers, fielding lighting, track, and a practice field.*

QUALIFICATIONS SUMMARY

Mr. Christie brings 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.

EDUCATION

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

REGISTRATION 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*

SELECTED REPRESENTATIVE PROJECT EXPERIENCE

- ❑ *REGION VII PDC/ GLENVILLE – Master Planning / Landscape Architecture Design*
Development of a regional bike network which would be a “Share the Road” system utilizing the current county and state roads. The system will create a hub in Glenville for biking enthusiast to travel to and from local wildlife management areas, state parks and the country roads of North Central West Virginia. The initial plan would include routes from Glenville to Stonewall Jackson State Park, Burnsville Lake, Sutton Lake and Cedar Creek State Park
- ❑ *ALCON RECREATION AREA – HUNTINGTON -Master Planning / Landscape Architecture Design*
Development of a recreation park plan to include walking / jogging trails, multi use courts, trail markers, pavilions and numerous recreational amenities.
- ❑ *LA ESTANCIA DE CAFAYATE – Argentina – Planner/ Landscape Architect*
Planning and architectural scope included preparation of the overall Resort Master Plan, authoring the Design Guidelines, and architectural design of the spa, social club, children’s center, golf clubhouse, gatehouse, trail networks, and prototypes for single-family homes.
- ❑ *VENTANA MAR - Costa Rica - Planner / Landscape Architect*
Created Master plan for Ventana Mar, a residential resort community in harmony with its natural rain forest setting. The community provides a relaxed tropical lifestyle with a range of residential choices...mountain-top homes that enjoy panoramic ocean views, homes closely engaged with the natural rain forest, and creative casitas and condominium residences located within an active hilltop village.
- ❑ *THE HIMALAYAN SKI VILLAGE - INDIA - Planner/ Landscape Architect*
The Himalayan Ski Village is a four season destination resort planned for the Himalayan Mountains of northern India. With an emphasis on skiing, the resort is made up of five small villages linked together with a gondola. Buildings are located along a series of pedestrian streets and small courtyards. The architecture reflects the historical and cultural heritage of the area with stone and timber structures.
- ❑ *GORE RANGE SCIENCE SCHOOL PUD – AVON, COLORADO -Planner/ Landscape Architect*
this project in Avon, Colorado and included an environmental based high school, a Montessori school, 41 townhomes, employee and teacher housing and a fire station. The design has been carefully done so to not disturb the existing vegetation or wetlands. This near area will feature the native landscape and create a connection from town to the northern hiking/biking trails. The site has seen many uses over the years but the current ownership group is striving to make this project an example of creative low density design. Start day is anticipated to be spring of 2010.

QUALIFICATIONS SUMMARY

Mr. Carpenter joined Thrasher Engineering in 1998 and is a Partner in the Firm. He serves as the Charleston office Branch Manager and Manager of the GIS Department. He is also responsible for managing all aspects of water, wastewater, and storm water design for municipalities, public utilities and site development projects.

EDUCATION

- BS / 1997 / Civil Engineering / University of Tennessee*

REGISTRATIONS

- PE / WV / 15425*
- PE / MD / 32075*

REPRESENTATIVE UTILITY EXPERIENCE

- Huntington Tri-State Airport, Hanger and Industrial Park expansion*
- HADCO Business Park Sanitary Sewer and storm water extensions*
- Berkeley County PSSD, Baker Heights WWTP Upgrade*
- Berkeley County PSSD Inwood WWTP Upgrade*
- City of Milton Water System Improvements Project*
- Union PSD, 40th Street WWTP upgrade and Big & Little Tyler Sewer Line Extension*
- Mingo County PSD, Chattaroy Lift Station and Collection System Improvements, East Kermit Collection System and WWTP, Delorme Collection System, and Shady Woods WWTP*
- Union-Williams PSD, Construction Management and Right of Way Acquisition*
- Canaan Valley Ski Base Lodge, WWTP Upgrade*
- Craigsville PSD, I&I Improvements and WWTP Upgrade*
- City of Weirton WWTP Upgrade and Sludge Handling Facility*
- Sissonville PSD, Project Manager/Engineer for WWTP Upgrade and I&I Study*
- Pea Ridge PSD, Construction Management and Project Manager*
- Green Spring Valley PSD, New WWTP*
- WVDEP- AML Amherstdale WTP Upgrade and Ragland Water Line Extension*
- Union-Williams PSD, Hydraulic Modeling, WTP and Distribution Upgrade*
- Craigsville PSD, WTP Upgrade, Water Line Extension and Water Storage Tanks*
- Mingo County PSD, WTP, Water Distribution System, Water Tanks, Booster Station*
- Town of Bath, WTP Upgrade*
- City of Mannington, WTP*
- Green Spring Valley PSD, WTP Upgrade, Water Distribution Line Extension, Water Tank Replacement*
- City of Weirton, WTP Sludge Handling Facility and Elevated Water Storage Tank*
- Town of Rowlesburg Water Treatment Plant Upgrade, Project Manager*

QUALIFICATIONS SUMMARY

Mr. Nestor joined Thrasher Engineering Inc. in 2005. Mike has a wide range of experience in site development projects, utilizing all aspects of infrastructure design including street and lot layout, street profiles, extensions of public sewer and water systems, storm water drainage, storm water management, erosion and sediment control plans, and NPDES permitting. His recent focus is on the development of Long Term Control Plans for entities required to meet MS4 standards.

EDUCATION

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

CERTIFICATIONS

- Registered Professional Engineer, State of West Virginia*

AFFILIATIONS

- American Society of Civil Engineers*

REPRESENTATIVE PROJECT EXPERIENCE

- WVU Milan Puskar Stadium Silver Lot Improvements (Morgantown, WV)*
Project Engineer for a 3-phase project to improve the lot, including the replacement of a storm water detention pond with an underground system, design of curb, new lighting and parking refigure plan. Phase III will consist of expansion and paving.
- Fairmont State University Storm Water Management Program (Fairmont, WV)*
Development of a storm water management program (SWMP) for FSU campus, which is classified as an MS4 entity. Within the scope prepared information for student, faculty and staff outreach via the FSU website to meet MS4 requirements in addition to preparing and submitting all necessary permit applications to the WVDEP.
- City of Clarksburg, WV Storm Water Management Program (Clarksburg, WV)*
Project Engineer for developing a stormwater management program (SWMP) that works for the City and also satisfies the permit requirements. In addition to the development of Best Management Practices, participated in public outreach through presentations at City sponsored public meetings.
- Drainage Project (Oak Hill, WV)*
Design of storm sewer upgrades for the town of Oak Hill. Project included the addition of a 2' x 6' box culvert under Trump Avenue, construction drawings, and specifications
Completed
- Abandoned Mine Lands (Roaring Creek and Anglins Run, WV)*
Completed design of wet mine seals for abandoned mine portals and downstream conveyance of water associated with abandoned mines. Worked closely with WV DEP to identify sinkholes associated with abandoned mines and developed a site grading plan to restore collapsed areas and re-route drainage around problem areas.
- Arndt McBee Insurance (Martinsburg, WV)*
Developed Storm Water Management plan for existing building and newly paved parking lot. Control structure consisted of an open concrete box structure utilized to minimize lost parking.
- Hawks Nest (Berkeley County, WV)*
Developed Storm Water Management Plan for residential subdivision using low impact development methods. Scope included site grading, storm water management, erosion and sediment control, and other miscellaneous items required in the civil scope.
- North Middle School Walking Path Safe Routes to School*
Developed construction plans for approximately 1,300 lineal feet of asphalt walking path in accordance with Safe Routes to Schools Program. Project included miscellaneous drainage structures as well as coordination with various local utilities.

**AARON W. DENHAM – PARTNER / GENERAL MANAGER OF FIELD SERVICES
SURVEY/ CONSTRUCTION MONITORING AND MATERIALS TESTING**

QUALIFICATIONS SUMMARY

Mr. Denham joined Resource Engineering Group in 2000 and was named a Partner in the firm in 2009. He serves as General Manager of Field Services for the firm, overseeing all aspects of survey, construction monitoring and materials testing assignments. Aaron manages the work of more than 40 construction managers and project representatives, in addition to 15 survey crews. He also oversees THRASHER's two AMRL accredited materials testing laboratories.

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*

REPRESENTATIVE PROJECT EXPERIENCE

- Blanchette Rockefeller Neuroscience Institute – 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 2006 and completed September 2007. Construction cost was \$35 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.*

RON VANDERHOOF, P.S.

QUALIFICATIONS SUMMARY

Mr. Vanderhoof joined Thrasher Engineering in 2009. He serves as Survey Manager in the Charleston office and is responsible for assignment and review of all survey activities. Mr. Vanderhoof has extensive experience in all aspects of surveys, including but not limited to boundary and easement surveys and the preparation of plats and legal descriptions. Mr. Vanderhoof also performs courthouse research, computes field data for construction layout, and processes GPS raw data for both public and private clientele in conjunction with Thrasher Engineering projects as well as separate contracts.

EDUCATION

- B.A., Regents, West Virginia Institute of Technology*
- A.S., Civil Engineering Technology/Surveying, West Virginia Institute of Technology*

REGISTRATIONS

- Professional Land Surveyor (PS), North Carolina (WV Pending)*

REPRESENTATIVE PROJECT EXPERIENCE

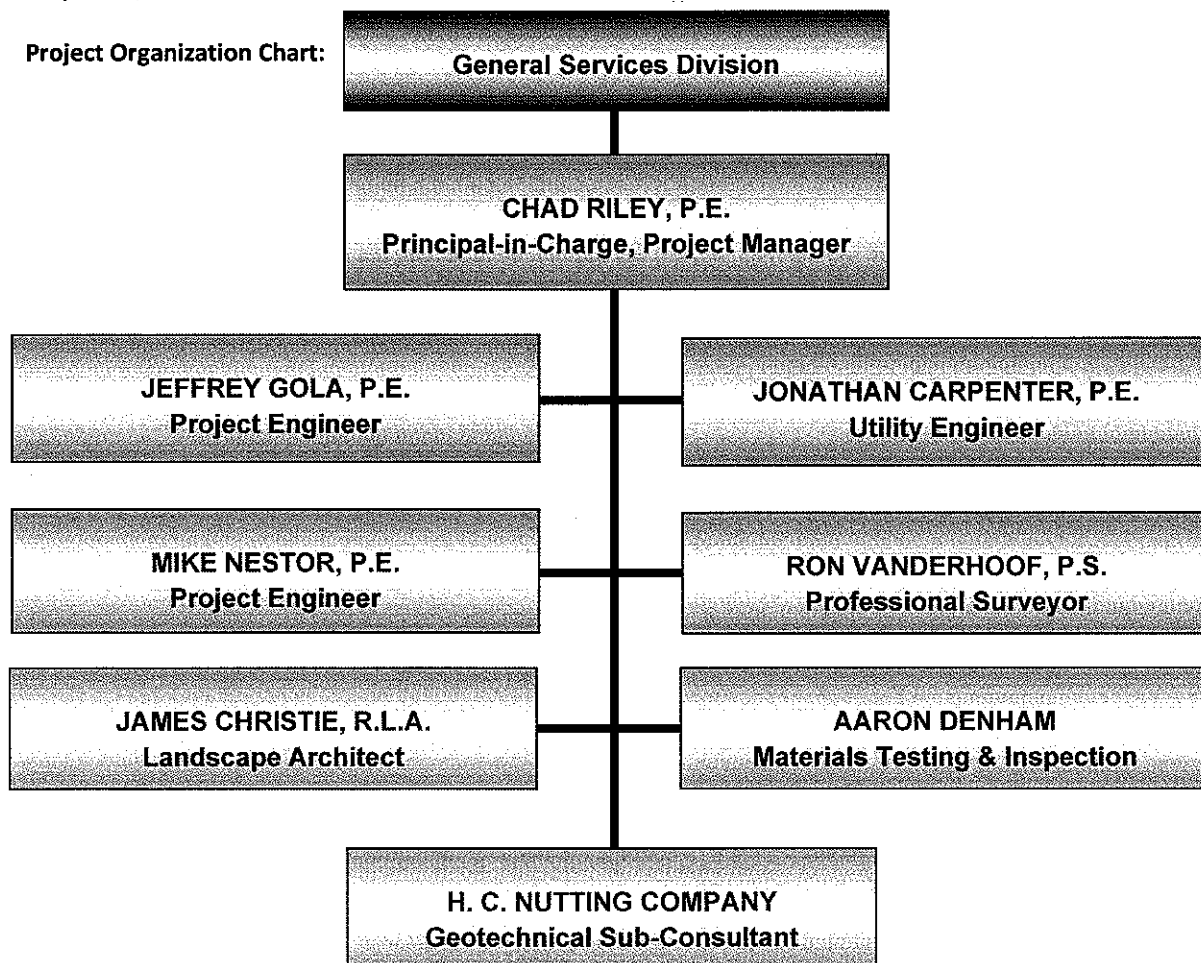
- Airfield Western, Tri-State Airport Airfield Lighting**
- Carbonyx Manufacturing Site**
- Private Property Surveys**
- West Virginia Department of Transportation, Division of Highways**
- Union PSD Sewer Extensions**
- Pea Ridge Sewer Extensions**
- Dominion McDowell County Gas Pipeline Project**
- Prichard Proposed Intermodal Facility**
- Holden Sewer Line Extension**
- Raleigh County Airport Industrial Park, Construction Stake-out**
- Bob White Culvert Replacement, Coves Run Contracting**
- Bear Camp Creek waste water collection system**
- Verizon Sub-Stations, Mountain Limited Contractors**
- Frametown Elementary School, City Contracting**
- Valley Elementary School, City Contracting**

- c. Thrasher is experienced and excels in the A/E services required to complete this project. We will utilize one sub-consultant, H.C. Nutting (Terracon) of Charleston, West Virginia for Geotechnical related services.
- d. Thrasher has the ability to handle this project in its entirety.
- e. Thrasher understands and accepts that any and all work produced as a result of the contract will become property of the Agency and can be used or shared by the Agency as deemed appropriate.
- f. Since 1983, Thrasher has successfully formulated designs for numerous site and infrastructure projects throughout West Virginia in conformance with all local, State, and Federal regulations.
- g. Thrasher has no litigation, arbitration proceedings, or vendor complaints filed with the State's Purchasing Division or other Agencies of the State of West Virginia.

4.2.3 PROJECT ORGANIZATION

a. Thrasher Engineering's Partner, Chad Riley, PE, will serve as Principal-in-Charge and Project Manager. He will manage the project from the Corporate Headquarters in Clarksburg, West Virginia. He will be assisted by Site Engineers and Landscape Architects in the Clarksburg office. GIS, surveying, utility engineering, and construction phase services will be provided from the Charleston Branch office and overseen by Partner, Branch Manager and Utility Engineer, Jonathan Carpenter, PE.

Project Organization Chart:



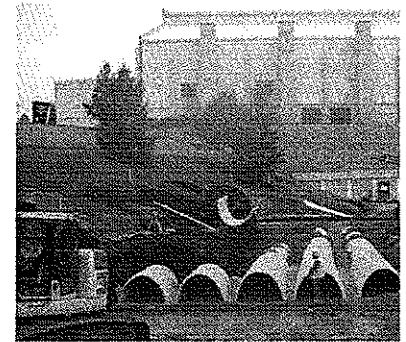
b. Thrasher's team will provide the services required by this project within the time frame and proposed schedule for this project.

4.2.4 DEMONSTRATED EXPERIENCE

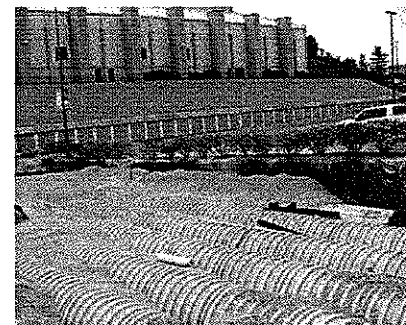
1. PROJECT NAME: Milan Puskar Stadium Silver Parking Lot Improvements

2. PROJECT LOCATION: WVU Evansdale Campus, Morgantown, WV

3. PROJECT DESCRIPTION: A 3-phase project was developed in order to provide additional parking and improve the existing facilities at the Silver Lot of Milan Puskar Stadium. For Phase I, Thrasher was hired to provide design and construction administration services to replace an existing surface storm water detention pond with an underground storage system of the same capacity. The project also consists of adding additional parking over the underground system as well as adding additional parking on the Willowdale Road side of the current lot and on other unused grass areas. The second and third phases of the project will consist of lighting, reconfiguration of parking spaces to increase efficiency and number of spaces, along with paving.



4. SCOPE OF SERVICES: Thrasher's scope of services included preparation of a preliminary plan of sufficient detail to determine specific construction needed to accomplish the University's goals, followed by the preparation of a complete detailed design and construction plans. The design process also included conducting a HEC-RAS analysis as required by the City and MUB. Thrasher's design included: an erosion & sediment control plan, parking lot layout, drainage, grading, paving & striping plan, the underground storm water detention system, and relocation of utilities. Thrasher also performed permitting services, submitting applications and receiving approvals from the City of Morgantown (site plan approval), Morgantown Utility Board (Storm Water Management Plan approval) and the West Virginia Department of Environmental Protection (NPDES Construction Storm Water Permit). Thrasher's representatives attended local design and permitting meetings with the Owner, and any other permitting agencies as necessary.



As is accepted practice, WVU conducted the bidding services for the project. Thrasher's representatives attended the pre-bid conference, issued clarifications and responses to bidding period questions and will assisted in evaluation of the bids.

Construction Administration services for the Phase I contract included a full time construction manager /inspector along with materials testing services.

5. CONSTRUCTION COST: \$495,000.00

6. PROJECT OWNER: West Virginia University
PO Box 6201
Morgantown, West Virginia 26506
304.293.0111

7. OWNERS'S PROJECT MANAGER: William Linn
Facilities Management PDC
PO Box 6572
Morgantown, WV, 26506-6572
Phone: 304-293-2878

8. PRIME CONTRACTOR: (Phase I) Green River Group
PO Box 18039, Morgantown, WV 26507, 304-534-4450, Steve Calvert

9. CONTRACT INFORMATION: Phase I – Complete
Phases II and III – 50%

10. FEATURES/PROCESSES/OUTCOMES The Silver Parking lot project was the first for which Thrasher utilized its dedicated website to provide the WVU project manager access to design drawings, job photos and weekly progress reports. on-going project updates

1. PROJECT NAME: WVU Steam Tunnel A Renovations and Repairs

2. PROJECT LOCATION: WVU Downtown Campus, Morgantown, WV

3. PROJECT DESCRIPTION: Steam Tunnel A, located on the Downtown Morgantown campus is experiencing age-related deterioration; the specific area addressed in this project is contained in the area from Stansbury Hall to Clark Hall. Specific items to be addressed in the project include repairing concrete in ceilings, walls and floors. Cleaning and sealing of steel pipe support bases, replacing floor drains and steel supports are also a part of this project.

4. SCOPE OF SERVICES: THRASHER's scope of services for the project were to provide design solutions for repairs to the areas identified as issues by the WVU project managers. In doing so, the THRASHER team provided drawings clearly depicting the stationing along the tunnel and labeling all the manholes and branch tunnels. The scope also included providing working drawings and preliminary cost estimates, final drawings and specifications and providing support services in the pre-bid and bidding phases. During construction, THRASHER will answer any RFI's, assist the owner and contractor in resolving any unexpected issues, and attend construction progress meetings as set in the pre-construction or as the owner deems necessary. A final walk-thru and final as-built drawings will be provided upon construction completion.

5. CONSTRUCTION COST: Estimate \$195,000.00

6. PROJECT OWNER: West Virginia University

PO Box 6201
Morgantown, West Virginia 26506
304.293.0111

7. OWNERS'S PROJECT MANAGER: Paul Whiteman

979 Rawley Lane / PO Box 6572
Morgantown, WV 26506
304-293-8134

8. PRIME CONTRACTOR: To Be Determined – Bid Opening Scheduled for March 8, 2011

9. CONTRACT INFORMATION: Scheduled for Completion in May 2011

10. FEATURES/PROCESSES/OUTCOMES: The THRASHER team performed visual inspection of the tunnel including photographic reports to outline deficiencies in the existing tunnel, and followed through by providing working drawings and preliminary cost estimates for a 50%, 90%, and 100% submission. THRASHER has met the schedules for all tasks for the project to date.



1. PROJECT NAME: Evansdale Campus Waterline Upgrade

2. PROJECT LOCATION: Evansdale Campus of WVU, Morgantown, WV

3. PROJECT DESCRIPTION: WVU's water system was experiencing flow and pressure problems specifically to the Mineral Resources building on the Evansdale campus. In a report prepared by another firm, a section of 6" line was identified as internally corroded, effectively reducing the diameter to 2" or less. The project's purpose was to eliminate the line and provide a water distribution loop around the engineering campus. The project included approximately 1,150 linear feet of 10" ductile iron pipe, 600 linear feet of 8" ductile iron pipe and a new fire hydrant.

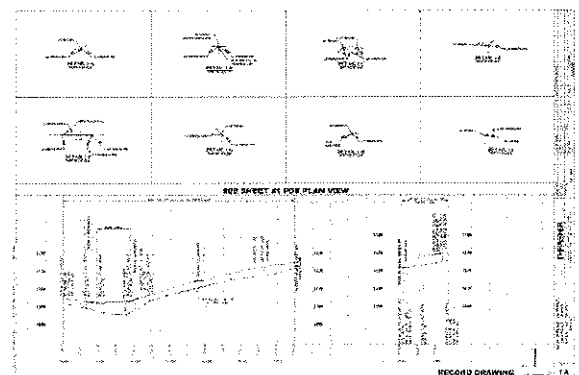
4. SCOPE OF SERVICES: THRASHER provided hydraulic calculations and final design drawings for the project in addition to preparing and submitting permit applications to the West Virginia Bureau for public health. THRASHER additionally provided support throughout the bidding process, engineering during construction and construction monitoring services.

5. CONSTRUCTION COST: \$282,219.00

6. PROJECT OWNER: WVU Facilities Management

975 Rawley Lane
Morgantown, WV 26506
(304) 293-6558

7. OWNERS'S PROJECT MANAGER: Bob Campione



WVU Facilities Management
975 Rawley Lane
Morgantown, WV 26506
(304) 293-6558

8. PRIME CONTRACTOR: James White Construction
4156 Freedom Way
Weirton, WV 26062-5296
(304) 748-8181
Louis Almonted

9.CONTRACT INFORMATION: Complete

10. FEATURES/PROCESSES/OUTCOMES: THRASHER was contacted in 2007 to provide design for the project which was started the previous year by another firm. THRASHER completed drawings within one week of receiving the assignment. This was one of the first civil engineering projects assigned to THRASHER under its open-end contract. THRASHER's rapid response to the project resulted in two additional civil projects. The first was the 2007 *Student Rec Center Steam Vault Replacement* on which THRASHER served as the prime engineering consultant and worked with Tower Engineering, the MEP consultant for the replacement of steam vaults #3 and #4 near the Student Recreation Center. The second was also in 2007 which encompassed a Feasibility Study for Sanitary Sewer Services to the WVU Laundry Facility for Scott's Run PSD, including the preparation of a preliminary engineering report study focusing on the necessary upgrades to the Scott's Run Public Service District's (SRPSD) sanitary sewer conveyance system for a proposed commercial laundry facility for West Virginia University Hospitals.

1. PROJECT NAME: Dlesk Soccer Stadium

2. PROJECT LOCATION: Evansdale Campus, West Virginia University, Morgantown, WV

3. PROJECT DESCRIPTION: Thrasher Engineering's services were retained by Heery International to assist them with the site development aspect of the design and construction of the Dick Dlesk Soccer Stadium on the Evansdale Campus of West Virginia University.

The stadium is a two-level, 1,650-seat stadium that features grandstand bleachers, a five booth press box, an on-site locker room, restrooms and concession booths.

4. SCOPE OF SERVICES: THRASHER's portion of this project included all site development aspects including grading and mass drainage, storm water management, erosion and sediment control and site utilities. Materials testing and inspection services were also provided.

5. CONSTRUCTION COST: \$1,200,000.00 (Site Development)

6. PROJECT OWNER: WVU Intercollegiate Athletics
PO Box 0877
Morgantown, WV 26507-0877

7. OWNERS'S PROJECT MANAGER:

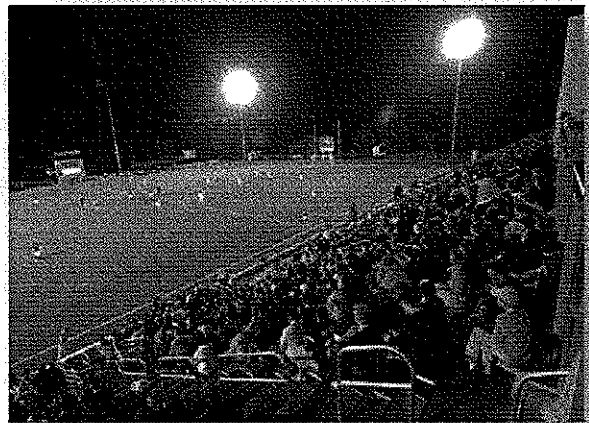
Heery International
999 Peachtree St.
Atlanta, GA 30304-3953
ph. 404-946-2147
Bob Watson

8. PRIME CONTRACTOR :

Mosites Construction Company
4839 Campbells Run Road
Pittsburgh, PA 15205
(412) 923-2255
Dean Beresford

9.CONTRACT INFORMATION: Complete

10. FEATURES/PROCESSES/OUTCOMES: As the project designer, Heery International, is located in Atlanta, Georgia, the representatives of THRASHER served as Project Managers throughout the site development phase of the project. In doing so, THRASHER was responsible for contractor oversight and communication with the WVU Facilities Management and Intercollegiate Athletics staff. Meetings occurred on a regular basis to update the owners' on the project processes.



1. PROJECT NAME: Fairmont State University Stormwater System and MS4 Program Development

2. PROJECT LOCATION: Fairmont State University, Fairmont, West Virginia.

3. PROJECT DESCRIPTION: In addition to serving as FSU's general services consulting engineer, THRASHER provided civil engineering services throughout the FSU campus both as a prime and as a sub-consultant on design-build projects within the scope of FSU's 10-year master plan for infrastructure improvements. One of the major projects included the planning and design of a storm water system throughout the campus and the addition of a storm water detention facility. To date, the upgrade of inadequate storm water pipes and the construction of additional piping throughout the campus has been completed, while the storm water detention facility has been designed. The final site improvements will contain swales, ditches, vegetation, landscaping and culverts to control the storm water and limit the pollution from the site.

Most recently, THRASHER has developed a Storm Water Management Program for FSU as required due to their MS4 status. The program included the required applications necessary for their Stormwater Management Program (SWMP) for compliance under the National Pollutant Discharge Elimination System (NPDES) MS4 General Permit to discharge stormwater runoff from a small municipal separate storm sewer system (MS4).

4. SCOPE OF SERVICES: For the storm water system, THRASHER provided engineering design, Landscape Architecture, Survey, Contract Administration, Construction Management, Inspection and Materials Testing Services.

The development of the SWMP included mapping of the campus storm drain system, creation of a monitoring plan and development of Best Management Practices.

5. CONSTRUCTION COST: \$300,000.00 for storm water system improvements. MS4 prepared on an hourly rate.

6. PROJECT OWNER: Fairmont State University

1201 Locust Avenue
Fairmont, WV 26554-2491
(304) 367-4000

7. OWNERS'S PROJECT MANAGER: Jim Decker, Ass't. VP of Facilities

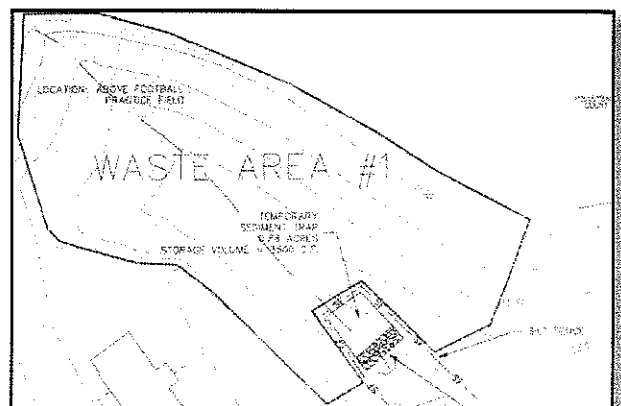
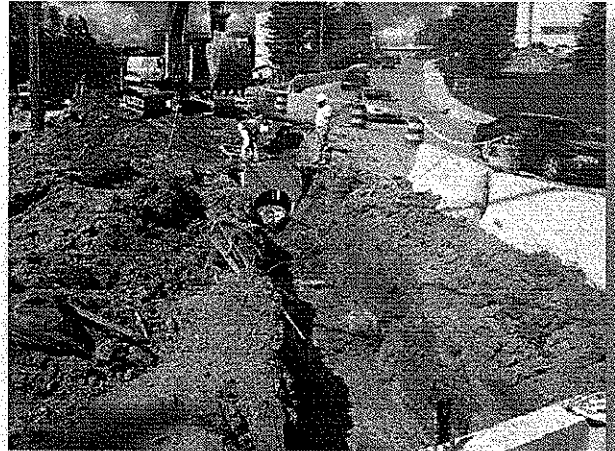
Fairmont State University
1201 Locust Avenue
Fairmont, WV 26554-2491
(304) 367-4861

8. PRIME CONTRACTOR: Green River Group

304-534-4450
PO Box 18039
Morgantown, WV 26507

Steve Calvert
9. CONTRACT INFORMATION: Complete

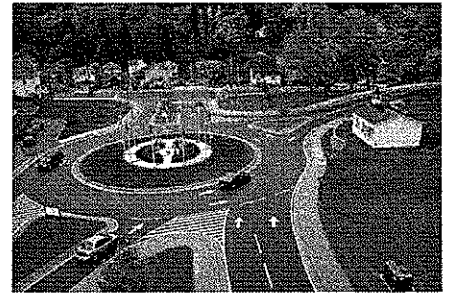
10. FEATURES/PROCESSES/OUTCOMES: The SWMP developed by THRASHER for FSU contains the Six Minimum Goals geared to develop, implement, and enforce management strategies that will lead to the reduction or elimination of the impacts of illicit pollutant discharges into the storm water conveyance system during throughout the University community. Within Measurable Control Measure #1- Public Outreach and Communication, THRASHER's staff developed the information for, and helped create a new website regarding the program. This website is linked to the FSU general website.



1. PROJECT NAME: Fairmont State University Roadway and Parking Improvements

2. PROJECT LOCATION: FSU Campus, Fairmont, West Virginia

3. PROJECT DESCRIPTION: The project included improvements to East Campus Drive and West Campus Drive, the main thoroughfares for vehicular entrance and access throughout the campus. Modifying the routes of both roads throughout the Campus to improve traffic flow and facilitate access to future buildings sites were imperative to support the new buildings constructed for parking, student housing and activities. Features of these new roads include turn lanes, a traffic circle, sidewalks, handicap accessibility, drainage, parking areas, retaining walls, landscaping and paving. Utility relocation was also required.



4. SCOPE OF SERVICES: Engineering Design

- _ Landscape Architecture
- _ Survey
- _ Construction Administration
- _ Construction Management
- _ Inspection
- _ Materials Testing
- _ Owner Representative

5. CONSTRUCTION COST: \$6,000,000

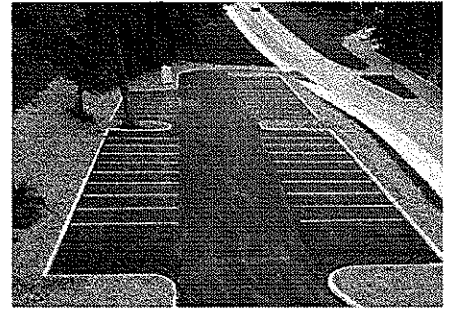
6. PROJECT OWNER: Fairmont State University

1201 Locust Avenue
Fairmont, WV 26554-2491
(304) 367-4000

7. OWNERS'S PROJECT MANAGER: Jim Decker, Ass't. VP of Facilities

Fairmont State University
1201 Locust Avenue
Fairmont, WV 26554-2491
(304) 367-4861

8. PRIME CONTRACTOR: Laurita Excavating
302 Dents Run Road
Morgantown, WV 26501
(304) 296.7531
Ott Meale



9. CONTRACT INFORMATION: Complete

10. FEATURES/PROCESSES/OUTCOMES: Completion of these projects on time with challenges due to an active campus required the THRASHER Project Manager and staff to utilize a strategic logistical plan to avoid conflicts with class schedules and the disruption of traffic flow throughout the campus.

This project was awarded the "2005 Excellence in Construction Award /Design" by the Associated Builders and Contractors Association, West Virginia Chapter.

1. PROJECT NAME: Site Development Engineering and Construction Management/ Testing Services

2. PROJECT LOCATION: Fairmont State University Campus, Fairmont, WV

3. PROJECT DESCRIPTION: Within its 10-year Master Plan improvements, FSU constructed a new 900+ vehicle parking garage, student residential housing facility and a the new Falcon Center Student Activity complex, along with an addition to the Engineering building and improvements to the football and baseball facilities. As both a member of design bid teams and as a direct consultant to FSU, THRASHER provided site development engineering, survey, construction monitoring and materials testing for each of these projects.



4. SCOPE OF SERVICES: THRASHER provided preliminary and final design for each project, including, but not limited to plans for mass grading and utilities.



Additionally, all permitting, bid services, engineering during construction and construction monitoring/ materials testing.

5. CONSTRUCTION COST: Approximately \$7,000,000.00 for site development.

6. PROJECT OWNER; Fairmont State University

1201 Locust Avenue
Fairmont, WV 26554-2491
(304) 367-4000

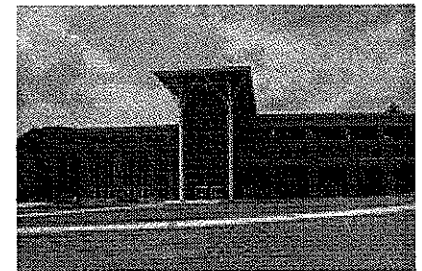
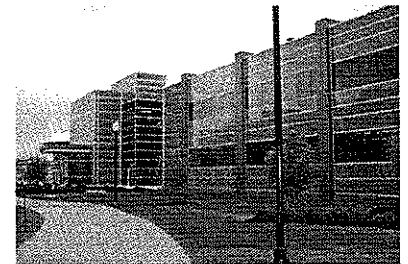
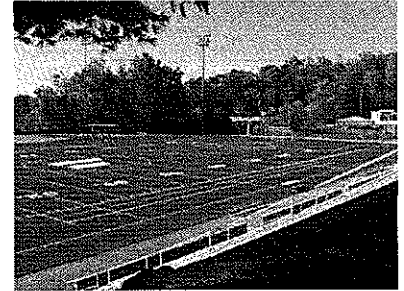
7. OWNERS'S PROJECT MANAGER: Jim Decker, Ass't. VP of Facilities

Fairmont State University
1201 Locust Avenue
Fairmont, WV 26554-2491
(304) 367-4861

8. PRIME CONTRACTOR: March- Westin
360 Frontier Street
Morgantown, WV 26505
304-599-4880
Phil Weser, President

9. CONTRACT INFORMATION: All projects complete

10. FEATURES/PROCESSES/OUTCOMES: THRASHER's successful performance on the first project – the Parking Garage- has resulted in a long-term relationship with FSU both on additional structures and as the University's general services consulting engineer.



1. PROJECT NAME: White Oaks Business Park

2. PROJECT LOCATION: Bridgeport, WV

3. PROJECT DESCRIPTION: THRASHER was been retained for the development of all aspects of this high end, 300+ acre business park.

Serving as the prime consultant on the project, providing project management along with all civil engineering, survey, and construction inspection services for this master planned community in Harrison County. Site development engineering has included preparation of land planning, grading plans, roadways, utilities and pad-ready sites. Architectural services from Thrasher Engineering are also being utilized for the design and construction of two (2) multi-tenant office buildings and a retail strip center.

4. SCOPE OF SERVICES: THRASHER has been involved in the project since the planning stages and has participated in all aspects from economic feasibility studies and master planning through final construction. The scope of services has included project management, master planning, preliminary and final engineering design for mass grading, utilities and roadways, construction document preparation and bidding services, engineering during construction, construction management and materials testing.

5. CONSTRUCTION COST: Contract 1: Mass Grading
\$9,839,487.00

Contract 2: Site Utilities	\$2,255,852.00
Contract 3: Road Package	\$4,339,489.00



6. PROJECT OWNER: High Tech Corridor Development, LLC
PO Box 1532
Clarksburg, WV 26301
304-326-0191

7. OWNERS'S PROJECT MANAGER: Mr. Jack Keeley
PO Box 1532
Clarksburg, WV 26301
(304) 626-5099

8. PRIME CONTRACTOR: Phillips Construction
3649 Highway 41 A

Henderson, KY 42420

Phone: 270-830-6773

9.CONTRACT INFORMATION: Complete

10. FEATURES/PROCESSES/OUTCOMES: Three alternative concept plans for development of the site were prepared; each responded uniquely to site characteristics, opportunities and constraints, opportunities from major adjacent development, schemes for the arrangement of a central boulevard and connector roads, and various land use designations. Alternatives were evaluated and scored against the overall project goals, the criteria of which included ability to support the building program, site development and infrastructure costs, aesthetic and character opportunities, open space allocations, impacts on investment and infrastructure costs, aesthetic and character opportunities, open space allocations, impacts on investment return and compliance with zoning regulations. From the alternatives, a preferred alternative was identified and developed in detail including a non-motorized circulation system, opportunities for neighborhoods or mixed-use precincts and preservation areas.

The site development construction was placed on an accelerated schedule. Contracts for grading and utilities were bid in February 2008 and roads in May 2008; the site development was complete in May of 2009. Site development is now complete and the park is occupied. To date, THRASHER architecture has completed two office buildings in the park with another four planned, a bank and a Subway fast food restaurant as well.



1. PROJECT NAME: Various Survey Service Projects provided for WVU

2. PROJECT LOCATION: Monongalia and Harrison Counties, WV

3. PROJECT DESCRIPTION:

2007: WVU Hospitals K-4 Parking Lot: Construction layout survey as sub-consultant to Brown Excavating.

2007: Evansdale Campus Water Line Project: Construction layout as sub-consultant to James White Construction.

2008: Site Surveys – WVU Hospitals Laundry Facility – Performed site surveys for the Westover and proposed Hazelton sites for a new commercial laundry facility to serve WVU Hospitals.

2009: Construction Stakeout Survey – WVU Hospitals Laundry Facility – Provided construction stakeout survey services as sub-consultant to Landau Construction.

4. SCOPE OF SERVICES

5. CONSTRUCTION COST: Not Applicable

6. PROJECT OWNER WVU Facilities Management
975 Rawley Lane
Morgantown, WV 26506
(304) 293-6558

7. OWNERS'S PROJECT MANAGER: West Virginia University Hospitals

Josh Clovis- Planning, Design & Construction

Box 8027 Medical Center Drive

Morgantown, WV 26506-8027

304-598-4125

8. PRIME CONTRACTOR: Not Applicable

9.CONTRACT INFORMATION: Complete

4.2.4.B REFERENCES

Fairmont State University

Mr. Jim Decker
Assistant Vice-President for Facilities
1201 Locust Ave.
Fairmont, WV 26554-2491
304-367-4861

West Virginia University

Mr. William Linn
Project Manager
P.O. Box 6570
Morgantown, WV 26505
(304) 293-2878

Mr. Paul Whiteman
Project Engineer
P.O. Box 6570
Morgantown, WV 26505
(304) 293-8134

Harrison County (WV) Schools

Mr. Neil Quinn
Director of Facilities
408 E.B. Saunders Way
Clarksburg, WV 26301
(304) 624-3300 ph.

Fayette County Commission

Mr. Dave Pollard, Resource Coordinator
Fayette Co. Courthouse
100 Court St.
P. O. Box 307
Fayetteville, WV 25840-0307
(304) 574-4290

City of Bridgeport, WV

H. Tom Brown, P.E.
Dir. Public Works & Utilities
PO Box 1310
515 West Main Street
Bridgeport, WV 26330
(304) 842-8204

sediment control. He is also proficient in hydrology and hydraulic engineering. Jeff's role in the contract will be to provide engineering analysis and design for the project.

JONATHAN CARPENTER, PE – UTILITY ENGINEER

Mr. Carpenter joined Thrasher Engineering in 1998 and is a Partner in the Firm and Charleston Office Branch Manager. He also serves as Project Manager for a variety of civil engineering projects and specializes in utilities. He also oversees the company's GIS Division. Jonathan received his Bachelor of Science in Civil Engineering from the University of Tennessee. He is a Registered Professional Engineer in the State of West Virginia and in the State of Maryland. His responsibilities include project management supervision of staff, contract administration, cost control, and on-time project delivery. He will be responsible for overseeing the utility aspects of this project including locating and mapping all existing utilities and the design of improvements, surveying, and construction phase services.

MICHAEL NESTOR, PE – PROJECT ENGINEER

Mr. Nestor joined Thrasher Engineering Inc. in 2005. Mike has a wide range of experience in residential and commercial site development projects, utilizing all aspects of infrastructure design including street and lot layout, street profiles, extensions of public sewer and water systems, storm water drainage, storm water management, erosion and sediment control plans, and NPDES permitting. He also is highly versed in developing Long Term Control plans for clients to meet MS4 requirements. Most recently he completed plans for Fairmont State University and the City of Clarksburg, WV. Mike recently served as project engineer for THRASHER's Silver Lot Improvements and Expansion project for WVU and will continue in that capacity on future projects. A Registered Professional Engineering in West Virginia, Mike received his Bachelor of Science in Civil Engineering Technology from Fairmont State University.

JAMES CHRISTIE, RLA – PROJECT LANDSCAPE ARCHITECT

Mr. Christie joined Thrasher Engineering Inc. in 2010. Jim's expertise and experience in the field spans internationally, with a resume that includes recreational areas in Argentina, Costa Rica and India in addition to award winning projects in the United States. His planning and design focus within the recreation planning arena is in pedestrian and vehicular circulation. His most recent projects include the study and design of recreational pathway opportunities for Glenville in Gilmer County, addressing the flood prone aspects of the area. In addition to his proven experience in landscape architecture and land planning, he is highly skilled in all aspects of graphic arts and the development of conceptual renderings and materials utilized for the client's marketing of their properties.

AARON DENHAM – PARTNER/ GENERAL MANAGER – SURVEY/ CONSTRUCTION MANAGEMENT AND MONITORING/ MATERIALS TESTING

Mr. Denham joined Thrasher Engineering in 2000 and serves as Manager of all Survey, Construction Inspection and Materials Testing assignments for the firm. A graduate of Fairmont State University with Bachelor of Science degree in Civil Engineering Technology, Aaron was named a Partner in the firm in 2009. Within his responsibilities are the assignment and management of all survey crews, construction management and project representative assignments and the assignment of testing personnel and quality control of materials and compaction testing for WVU projects.

RON VANDERHOOF – PROFESSIONAL SURVEYOR

Mr. Vanderhoof joined Thrasher Engineering in 2009. He serves as Survey Manager in the Charleston office and is responsible for assignment and review of all survey activities. Mr. Vanderhoof has extensive experience in all aspects of surveys, including but not limited to boundary and easement surveys and the preparation of plats and legal descriptions. Mr. Vanderhoof also performs courthouse research, computes field data for construction layout, and processes GPS raw data for both public and private clientele in conjunction with Thrasher Engineering projects as well as separate contracts.