

THRASHER



JFHQ Parking and Storage Area
Addition of Parking and Storage Area
ADJ 1700000001
August 18, 2016

08/18/16 08:59:59
M Purchase Division

300 Association Drive | Charleston, WV 25311



Purchasing Division
2019 Washington Street East
Post Office Box 60130
Charleston, WV 25305-0130

State of West Virginia
Centralized Expression of Interest
02 - Architect/Engr

Proc Folder: 233553

Doc Description: Addendum 1 -JFHQ Parking and Storage Area EOI Design Service

Proc Type: Central Purchase Order

Date Issued	Solicitation Closes	Solicitation No	Version
2016-08-10	2016-08-18 13:30:00	CEO/ 0603 ADJ1700000001	2

BID CLERK

DEPARTMENT OF ADMINISTRATION
PURCHASING DIVISION
2019 WASHINGTON ST E
CHARLESTON
US

WV 25305

Vendor Name, Address and Telephone Number:

The Thrasher Group, Inc.
PO Box 940 | 600 White Oaks Blvd.
Bridgeport, WV 26330
304-624-4108

FOR INFORMATION CONTACT THE BUYER

Jessica S Chambers
(304) 558-0246
jessica.s.chambers@wv.gov

Signature X

FEIN # 55-0633596

DATE 08-17-2016

All offers subject to all terms and conditions contained in this solicitation

ADDITIONAL INFORMATION

Addendum

Addendum No. 01 issued to publish and distribute the attached information to the vendor community.

Expression of Interest

The WV Army National Guard is seeking the services of a qualified professional engineering firm to design and to develop construction documents for a new parking and storage area at the West Virginia Army National Guard facility at the Coonskin Complex in Charleston, WV 25311 as defined herein.

DIVISION ENGINEERING & FACILITIES ADJUTANT GENERALS OFFICE 1707 COONSKIN DR CHARLESTON WV25311 US		DIVISION ENGINEERING & FACILITIES ADJUTANT GENERALS OFFICE 1707 COONSKIN DR CHARLESTON WV 25311 US	
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Line	Comm Ln Desc	Qty	Unit Issue
1	JFHQ Parking and Storage area design services	0.00000	

Comm Code	Manufacturer	Specification	Model #
81101508			

Extended Description :

Professional engineering design services to develop construction documents to provide for the addition of a parking and storage area, located at the Joint Forces Headquarters Complex, Charleston, WV 25311.

ADDENDUM ACKNOWLEDGEMENT FORM
SOLICITATION NO.: CEOI 0603 ADJ1700000001

Instructions: Please acknowledge receipt of all addenda issued with this solicitation by completing this addendum acknowledgment form. Check the box next to each addendum received and sign below. Failure to acknowledge addenda may result in bid disqualification.

Acknowledgment: I hereby acknowledge receipt of the following addenda and have made the necessary revisions to my proposal, plans and/or specification, etc.

Addendum Numbers Received:

(Check the box next to each addendum received)

- | | |
|--|--|
| <input checked="" type="checkbox"/> Addendum No. 1 | <input type="checkbox"/> Addendum No. 6 |
| <input type="checkbox"/> Addendum No. 2 | <input type="checkbox"/> Addendum No. 7 |
| <input type="checkbox"/> Addendum No. 3 | <input type="checkbox"/> Addendum No. 8 |
| <input type="checkbox"/> Addendum No. 4 | <input type="checkbox"/> Addendum No. 9 |
| <input type="checkbox"/> Addendum No. 5 | <input type="checkbox"/> Addendum No. 10 |

I understand that failure to confirm the receipt of addenda may be cause for rejection of this bid. I further understand that any verbal representation made or assumed to be made during any oral discussion held between Vendor's representatives and any state personnel is not binding. Only the information issued in writing and added to the specifications by an official addendum is binding.

The Thrasher Group, Inc.

Company


Authorized Signature

08-17-2016

Date

NOTE: This addendum acknowledgment should be submitted with the bid to expedite document processing.
Revised 6/8/2012

DESIGNATED CONTACT: Vendor appoints the individual identified in this Section as the Contract Administrator and the initial point of contact for matters relating to this Contract.

Jonathan Carpenter, PE - Principal

(Name, Title)

Jonathan Carpenter Principal

(Printed Name and Title)

PO Box 2431 | 300 Association Drive, Charleston, WV 25311

(Address)

phone (304) 343-7601 | fax (304) 343-7604

(Phone Number) / (Fax Number)

jcarpenter@thrashereng.com

(email address)

CERTIFICATION AND SIGNATURE: By signing below, or submitting documentation through wvOASIS, I certify that I have reviewed this Solicitation in its entirety; that I understand the requirements, terms and conditions, and other information contained herein; that this bid, offer or proposal constitutes an offer to the State that cannot be unilaterally withdrawn; that the product or service proposed meets the mandatory requirements contained in the Solicitation for that product or service, unless otherwise stated herein; that the Vendor accepts the terms and conditions contained in the Solicitation, unless otherwise stated herein; that I am submitting this bid, offer or proposal for review and consideration; that I am authorized by the vendor to execute and submit this bid, offer, or proposal, or any documents related thereto on vendor's behalf; that I am authorized to bind the vendor in a contractual relationship; and that to the best of my knowledge, the vendor has properly registered with any State agency that may require registration.

The Thrasher Group, Inc.

(Company)

Jonathan Carpenter Jonathan Carpenter, PE - Principal
(Authorized Signature) (Representative Name, Title)

Jonathan Carpenter Principal

(Printed Name and Title of Authorized Representative)

08-17-2016

(Date)

phone (304) 343-7601 | fax (304) 343-7604

(Phone Number) (Fax Number)



August 18, 2016

Department of Administration
Purchasing Division
2019 Washington St E
Charleston WV 25305

RE: Joint Forces Headquarters Parking Lot and Storage Area

Dear Members of the Selection Committee:

The Thrasher Group appreciates the opportunity to submit our qualifications to the Purchasing Department for the JFHQ Parking and Storage Area Addition Project. We are confident we are the right firm for this project based on our previous experience on similar jobs, and highly talented staff. We will utilize the same project management principles that have been successful on other similar projects throughout West Virginia. We feel we understand your goals, and most importantly, your expectations as a consultant and will utilize this to ensure your satisfaction with the finished product.

I have great confidence that our experience with similar projects, and the relationships we have built throughout the state will ensure a successful project. Our team has carefully and concisely responded to your request and assembled a familiar group of professionals to meet your project needs. We are looking forward to sharing our knowledge and experience with the Purchasing Division and the WVARNG!

Sincerely,

THE THRASHER GROUP, INC.

A handwritten signature in cursive script that reads "Jonathan Carpenter".

JONATHAN CARPENTER, PE
Principal-in-Charge

The Thrasher Group, Inc.

Formed in 1983, Henry A. Thrasher and H. Wood Thrasher created Thrasher with a commitment to excellence and professionalism in engineering. As the leading consulting engineering firm in the state of West Virginia, Thrasher specializes in all facets of engineering from site development to public works projects.

In 2005, the company added architecture services to our ever-expanding list of capabilities. In early April of this year, it was confirmed that Thrasher acquired the Marion County-based Blackwood Associates architectural firm. Blackwood Associates brings over 40 years of experience throughout the state of West Virginia to the ever-growing Thrasher architecture division.

Throughout the past 5 years, Thrasher has grown from roughly 200 employees to the over 300 people we presently employ. Thrasher is growing at a rapid pace and that has allowed us to bring aboard some of the most sought after talent around.

We believe that the partnership we establish with our clients is what makes them and their projects successful. This philosophy is the foundation of our growing company.



We have learned, regardless of our size, our commitment to this philosophy leads to successful projects.

The Thrasher philosophy is
PARTNERSHIP.

Thrasher was recently named #49 on the
Zweig White Best Firms to Work for in 2015.

Main Point of Contact:

Mr. Jonathan Carpenter, PE

300 Association Drive

Charleston, WV 25311

Phone: 304-343-7601

jcarpenter@thrashereng.com

Office Locations:

Charleston, WV

Beckley, WV

Bridgeport, WV

Oakland, MD

Fredericksburg, VA

Canton, OH

Thrasher Information:

Incorporated in 1983

www.thrashereng.com

THRASHER

The Thrasher Group, Inc.

With multi-discipline capabilities, Thrasher 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 has 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.

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

Disciplinary Practices :

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

Areas of Service:

- 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

Successful projects require more from an engineering firm than just technical design expertise. At Thrasher, our project managers and engineers focus on all aspects of "getting the job done."

Project Approach

Thrasher's Project Manager, April Rohrbaugh, will establish a pre-design kick-off meeting with the WV National Guard Representatives, and key members of our project team to review the selected project and clearly define the Scope of Services. Following contract approval, our project team will take the following steps to complete the project.

Step 1 - Field Evaluation

Ms. Rohrbaugh will assemble a team of engineers and surveyors to conduct a field evaluation of the project conditions. Problem areas will be identified and incorporated into existing condition mapping. Photos will be taken to clearly define potential problem areas.

Step 2 – Creation of Base Mapping

Thrasher will perform topographic mapping and surveying services of the project site. Thrasher will obtain tax maps and deeds to create a property mosaic of the project area. Thrasher will field verify the property mosaic to create a property map of the project area and if necessary obtain documentation to establish right-of-ways on the street accessing the project area.

Step 3 – Conceptual Design and Report

Following completion of the base mapping, Thrasher will begin preparation of the preliminary design of the project as identified during the kick-off meeting. Thrasher will prepare preliminary design and where applicable provide design alternatives for consideration by the WV National Guard.

Step 4 – Construction Documents

Our team will provide design solutions and construction documents to the WV National Guard for the project identified to be carried forward to final design based upon the selected conceptual design. Thrasher proposes to prepare two submissions - preliminary design and final design. The preliminary design submission will be used to review the proposed project with the stakeholders. After review and comment, we will complete the final design documents based upon comments received and conclusions reached at the preliminary design review. Our field evaluations and design approach will specifically address these issues in the construction documents.

Project Approach

Step 5 – Cost Estimates

Our project team will provide itemized cost estimates for the proposed site work at both the preliminary, and final design submission. At Thrasher we take construction estimating and budgeting very seriously. As a matter of fact it is considered the most important facet of what we do. We do contractor grade estimates that look at every part of the project. We do detailed take-offs of materials and look at every man hour needed to complete a project. We also have a great understanding of the local market and material costs which allows us to accurately design to meet your budget.

Step 6 – Bid Process

Thrasher can assist in the preparation of bid documents, attendance at pre-bid meetings and issuance of addenda.

Step 7 – Construction Administration

We perform construction administration for our clients to ensure that their projects are to spec and stay true to the plan sheets. The project team will review project submittals, attend project meetings and provide inspection of the construction being completed.

Thrasher also employs Resident Project Representatives that would be available to the WV National Guard for full-time construction oversight.



THRASHER

MASTER PLANNING

MASTER PLANNING

At Thrasher, our master planning approach and purpose based development is toward clients who have fundamental goals and objectives in mind. Our work strives to reflect the uniqueness and authenticity of the vision that our clients have. Through a proven process, we study, collaborate, build consensus and create forward thinking solutions to complex projects.

We begin by understanding our client's goals, needs and resources in relation to their aspirations and challenges. We take all factors into consideration and we examine demographic trends, market forecasts and sustainability. Our approach to master planning enables us to identify and evaluate the best alternatives for long-term development.

WHY DO A MASTER PLAN?

- It is a guide for the development of the park and recreation system with the community.
- It is the first step toward accurate capital financing plans.
- It is a tool for rational decision-making.
- It allows for an inclusive public engagement process.
- It allows for park department coordination and cooperation within itself and the public.
- It is essential for the public health, welfare, and safety of the overall community.

LANDSCAPE ARCHITECTURE

Landscape architecture at Thrasher involves the design of landscapes on a variety of scales—from large, multi-functional sites to small, confined spaces. Innovative research into materials, lifestyles, and landscape technologies coupled with a deep understanding of how people use outdoor spaces informs our unique design process.

With a diverse background throughout the Mid-Atlantic region and international mountain regions, we excel at providing client-specific and site-specific planning and design solutions. Thrasher's Landscape Architects have the expertise and experience to guide you smoothly from concept through construction closeout.

LANDSCAPE ARCHITECTURE SERVICES:

- Destination Resorts
- Business Parks
- Industrial Parks
- Community Planning
- Design Guidelines
- Botanical Gardens
- Children's Gardens
- Residential Landscape Design
- Trail Design
- Recreational Facilities
- Water Features
- Schools
- Natural Playgrounds
- Irrigation Systems
- Native Restoration
- Monuments

SITE DEVELOPMENT

Engineering for site development is far from a “one size fits all” approach. Every project is unique and requires a blend of technical expertise, planning principals, efficient design, market realities, and the flexibility to seize opportunities. With our diverse staff, Thrasher has a winning combination of talent to take projects from design to reality.

At Thrasher, we understand that the design of a successful site development project must factor in economic landscape, political implications, and strategic planning that takes projects beyond engineering. The Thrasher team possesses expertise in every facet of development including site selection and planning, grading, storm water management, erosion and sediment control, permitting, and infrastructure design.

We pride ourselves on being a partner in projects that improve the quality of life for residents and provide economic sustainability to communities.

SITE DEVELOPMENT EXPERTISE:

- Industrial and Business Parks
- Mixed-Use Developments
- Athletic Facilities
- Federal Correctional Facilities
- Streetscapes and Sidewalk Planning
- Commercial Developments
- Single and Multi-Family Residential Development
- Primary, Secondary, and Higher Education Facilities
- Recreational Resorts and Guest Lodging
- Shopping Plazas



ENVIRONMENTAL

In today's ever-changing regulatory landscape, compliance with federal and state environmental laws is critical to the success of projects. Compliance can often seem at odds with the project vision and financial constraints. The Thrasher team partners as a technical and regulatory advocate to overcome obstacles and guide our clients through complicated policies to achieve their goals.

From initial investigations to final design, our environmental experts are there to assist in all facets of our clients' projects. Our team has developed relationships with academic consultants from multiple universities that are here to aid in specialized assessments.

ENVIRONMENTAL SERVICES:

- All Appropriate Inquiry (AAI)
- Environmental Site Assessments
- NEPA Compliance for Publicly Funded Projects (CATEX, EA, EIS)
- Ecological Studies
- Brownfield Redevelopment
- Industrial Hygiene and Demolition Planning
- Underground Storage Tank (UST) Consulting Services
- Wetland Delineation, Design, and Mitigation
- Remediation Investigation and Feasibility Studies, Alternatives, and Design
- Hydro-geologic and Geologic Investigations
- Ground-water Monitoring
- Sampling and Laboratory Analysis
- Solid and Hazardous Waste Management
- SPCC, GWPP, SWPP Environmental Compliance Plans
- Stream Assessments, Design, and Mitigation
- Erosion and Sediment Control Plans



THRASHER SURVEY

SURVEY

Thrasher employs one of the largest survey departments in the Mid-Atlantic region and offers a wide range of land surveying and related services for federal, state, and private clients. We are committed to evolving our techniques and equipment to best serve our clients and their growing needs.

At Thrasher, we are able to provide both surveying and engineering services which provide a distinct advantage over survey-only companies. The combination of these two services provide our surveyors with a better understanding of what engineers and architects require to develop an appropriate design for different types of projects. Our field and survey personnel offer extensive experience, certified training, and flexibility to meet our clients' unique project schedules.

GENERAL SURVEY SERVICES:

- Large-scale Boundary Work
- Topographic Survey and Mapping
- ALTA/ACSM Survey and Mapping
- Lake and River Soundings
- Accident Reconstruction Survey and Mapping
- Drug-free Zone Mapping
- Expert Witness Testimony
- Construction Layout
- Permanent Project GPS Base Stations
- Building Control and Layout
- Road/Bridge Alignment and Staking
- Sewer/Water/Pipeline
- Site Layout
- Quality Assurance Surveying
- Volume/Quantity Surveys
- As-Built Surveys

GPS SURVEYS:

- Geodetic Control Networks
- Ground Control for Aerial Mapping
- Telecommunications
- FAA 1A and 2C Letters

ROUTE LOCATION SURVEYS:

- Transmission Lines
- Natural Gas Pipelines
- Wind Turbine
- Roadway, Railway and Rec Trails

COAL AND ENERGY SURVEYS:

- Pre and Post Mining Blast Surveys
- Water Quality Monitoring Plan
- Construction Layout
- Emergency Control Survey/Plans

CONSTRUCTION MANAGEMENT

Effective management of our projects ensures that both clients and contractors work in an efficient and safe manner. From pre-construction activities such as bid conferences and surveys, to inspections, job progress reviews, through final completion, our goal is work that proceeds in accordance with plans and specifications.

At Thrasher, we inspect and manage a wide variety of projects designed by our firm in addition to projects for contractors and other designers. We have certified project representatives responsible for overseeing every element of design integrity. Our methods have earned the respect of not only our clients, but contractors and project owners alike.

CONSTRUCTION INSPECTION SERVICES:

- Construction Materials
- Structural Steel and Concrete
- Paving
- Drainage
- Embankments
- Work Zone Safety and Traffic Control
- Erosion and Soil Control

QUALITY CONTROL AND ASSURANCE

METHODS:

- Regularly Scheduled Planning and Progress Meetings
- Engineering During Construction
- Daily Logs and Progress Sheets
- Cut Sheets
- Quantity Tracking

Project Team



Jonathan Carpenter, PE
Principal-in-Charge

Robert Milne, PE
Quality Assurance/Quality Control

April Rohrbaugh
Project Manager

Michael Nestor, PE
Project Engineer

Samuel Rich, ASLA
Landscape/Master Planning

Jonathan Carpenter, PE **Principal-in-Charge**



Jonathan Carpenter, PE is Partner in Thrasher and serves as Manager of the firm in Charleston, West Virginia. Since joining the firm in 1997, he was named a Partner in 2009. During his tenure with Thrasher, he has focused his design and project management skills on projects within the public utility realm, with emphasis on water and wastewater treatment facilities. His work as Project Manager and/or Project Engineer in this area has earned numerous awards from the American Council of Engineering Companies (ACEC).

As a Project Manager, he is responsible for the oversight of all technical design aspects in addition to regulatory and funding processes. Jonathan is highly adept in client communication, project scheduling and financial aspects to insure on-time and on-budget quality projects.

Education:

- Bachelor of Science, Civil Engineering - University of Tennessee

Registrations:

- Registered Professional Engineer
 - States of West Virginia and Maryland

Affiliations/Certifications:

- American Society of Civil Engineers
- American Water Works Association – State of WV National Director, Board Member, Past Chairman

Awards:

- West Virginia ACEC Gold Award, Wastewater Treatment 2011 - Weirton Sanitary Board ATAD Project
- West Virginia ACEC Gold Award, Water Treatment 2001 - Weirton Sludge Handling Project
- West Virginia ACEC Silver Award, Water Treatment 2005 - Mingo County Water Treatment Plant Project

Related Experience Includes:

- **Craigsville Public Service District** - Craigsville, WV
- **Lincoln County Public Service District** - Alum Creek, WV
- **WVDEP—Abandoned Mine Lands** - Mingo County, WV
- **Union-Williams Public Service District** - Williamstown, WV
- **Berkeley County Public Service District Gantt's Pump Station Upgrade** - Berkeley County, West Virginia

Robert Milne, PE

Quality Assurance/Quality Control



Robert Milne, P.E. joined Thrasher in 2010 and was named Partner in the firm in 2012. Mr. Milne has over 26 years of experience working throughout the tri-state area. Mr. Milne is the firm's site development manager and is responsible for the over all management of projects including staff supervision, assignments, contract administration, cost control and on-time project delivery.

Mr. Milne is experienced in civil/site design, public utilities, buildings, as well as roadways, highways, bridges, traffic studies and storm sewer design and construction administration and inspection.

Education:

- Masters of Science, Civil Engineering - West Virginia University
- Bachelors of Science, Civil Engineering - West Virginia University

Registrations:

- Registered Professional Engineer
 - States of West Virginia, Ohio, Maryland, Virginia, and Pennsylvania

Affiliations/Certifications:

- Leadership Monongalia County, WV
- Foundations of Leadership / National Leadership

Related Experience Includes:

- **WVU Roadways and Parking** - Monongalia County, West Virginia
- **West Virginia DNR Palatine Park Master Plan: Boat Ramp and Parking Improvements** - Marion County, West Virginia
- **Marion County Economic Development Council Master Plan and Splash Park** - Marion County, West Virginia
- **Canal Place Master Plan** - Allegany County, Maryland
- **Boy Scouts of America Welcome Center Site Planning and Master Conceptual Design** - Fayette County, West Virginia

April Rohrbaugh Project Manager



April Rohrbaugh joined Thrasher in January of 2006 and works as an engineer in the site division of the company. Ms. Rohrbaugh has experience in all aspects of site engineering, taking projects from survey to concept to construction. Her project specialties have a broad reach.

Ms. Rohrbaugh is skilled in conceptual planning for residential, commercial, and recreational developments. She has extensive experience with site and land development engineering as well. She is well-versed in geometric layout of sites, roads, subdivisions, grading, drainage, storm water management, erosion and sediment control, and numerous regulatory agency permitting requirements.

April is an integral part of the Planning and Site Departments thanks to her sharp technical skills and excellent client communication.

Education:

- Bachelor of Science, Civil Engineering - West Virginia University

Related Experience Includes:

- **Town of Friendsville Trailhead & Parking Facility** – Garrett County, Maryland
- **Town of Williamsport Boat Ramp and Site Design Project** - Washington County, Maryland
- **West Virginia DNR Palatine Park Master Plan: Boat Ramp and Parking Improvements** - Marion County, West Virginia
- **Town of Loch Lynn Heights Observatory Wetland Boardwalk Trail Design** – Garrett County, Maryland
- **Town of Mountain Lake Park Crystal Springs Walking Trail Design** – Garret County, Maryland
- **Timberline Four Seasons Resort Expansion & Development-** Tucker County, West Virginia
- **Thousand Acres at Deep Creek Lake** – Garrett County, Maryland

Michael Nestor, PE Project Engineer



Michael R. Nestor, P.E. joined Thrasher in 2005 and has developed 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, and extensions of public utility systems to these developments.

Mike is highly knowledgeable in the stormwater management and MS4 arena, having completed multiple MS4 plans and dozens of projects with stormwater management components. He obtained his Certified Flood Plain Management certificate in 2012.

Education:

- Bachelor of Science, Civil Engineering Technology - Fairmont State University

Registrations:

- Registered Professional Engineer
 - State of West Virginia

Affiliations/Certifications:

- Current President of the North Central West Virginia Chapter of American Society of Highway Engineers
- American Society of Civil Engineers

Related Experience Includes:

- **WVU Roadways and Parking** - Monongalia County, West Virginia
- **WVU Evansdale Campus Multiple Transportation Improvement Projects** - Monongalia County, West Virginia
- **City of Westover Sidewalk Project** - Monongalia County, West Virginia
- **Town of Farmington Walking Bridge** - Marion County, West Virginia
- **North Middle School "Safe Routes to School" Project** - Berkeley County, West Virginia
- **Town of Paw Paw "Safe Routes to School" Project** - Morgan County, West Virginia
- **City of Capon Bridge Sidewalk Project** - Hampshire County, West Virginia

Samuel Rich, ASLA

Landscape Architecture and Master Planning



Samuel A. Rich joined Thrasher in 2014 as a landscape designer. He has three years of experience in high end residential landscape industry designing landscapes, hardscapes, lighting, and drainage systems. In his time as a designer Samuel has performed various duties including sales, estimating, client consultation, and construction oversight.

In 2011 Samuel worked as an intern for the District of Columbia Office of Planning where he worked with multiple partner agencies to develop historical landscape restoration plans for various National Park Service owned downtown D.C. parks. He worked not only on the design of these parks but presented the designs to the NPS for approval and gave several presentations necessary to secure funding for installation of the pilot project.

Education:

- Bachelor of Science, Landscape Architecture - West Virginia University

Related Experience Includes:

- **West Virginia DNR Palatine Park Master Plan: Boat Ramp and Parking Improvements** - Marion County, West Virginia
- **Marion County Economic Development Council Master Plan and Splash Park** - Marion County, West Virginia
- **Town of White Hall Pharmacy Parking Lot** - Marion County, West Virginia
- **Town of Bath Green Infrastructure Plan** - Morgan County, West Virginia
- **WVU Milan Puskar Stadium Renovations** - Monongalia County, West Virginia
- **Marriott Hotel Outdoor Renovations** - Montgomery County, Ohio

WVU Creative Arts Center Parking Lot Layout

As part of our open-end contract for civil engineering services Thrasher was hired by WVU to study the effects of adding additional parking at the Creative Arts Center on the Evansdale Campus.

The University had 147 parking spaces at the Creative Arts Center. The upper lot consists of 75 spaces in front of the CAC parallel to US19 (Mon. Boulevard) in two separate parking bays. The lower lot consisted of 72 spaces behind the CAC parallel to WV705 (Patteson Drive). There was no connectivity between these two parking lots. Due to the high demand for parking along the outer limits of the Evansdale Campus, the University had tasked Thrasher with providing conceptual designs to increase parking in the upper lot and design a connector road between the two parking lots that would enable the University to eliminate the access drive off of WV705.

After approval of our one of our conceptual design submissions, the University authorized Thrasher to prepare construction documents for the CAC Parking Lot renovation project. The project increased the University's parking capacity at the CAC by 362 additional parking spaces. Two additional parking bays were added to the upper lot, and one existing parking bay was modified to accommodate additional vehicles. Thrasher also incorporated a connector road through the parking lot to tie the upper and lower lots together. Thrasher was able to incorporate an additional 45 spaces in the lower lot.

Contact:

John Thompson, PE
West Virginia University
Morgantown, WV 26505
(304) 293-3625



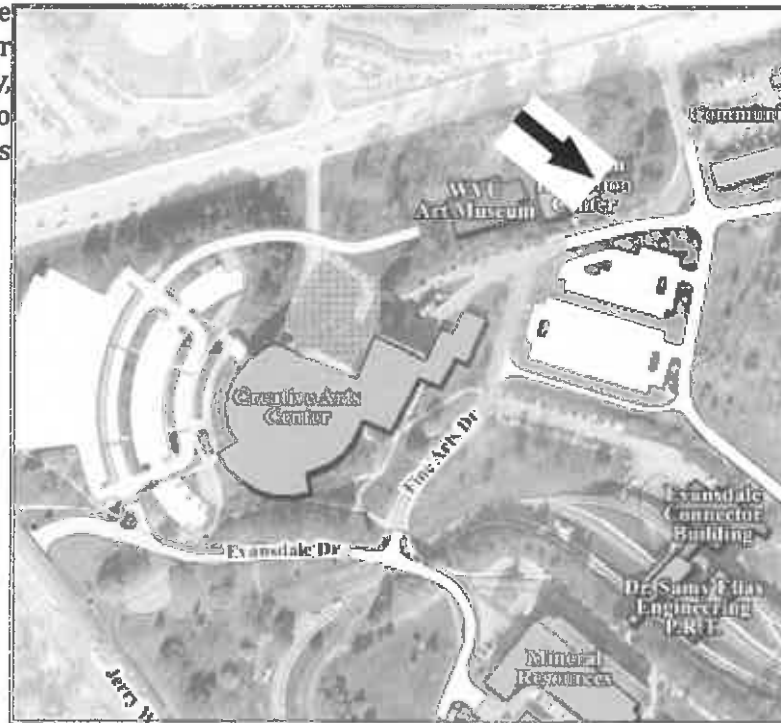
WVU Evansdale Roadway and Parking Project

Due to planned expansions on the Evansdale Campus, West Virginia University contracted with Thrasher to upgrade the existing parking lots along Fine Arts Drive. The main access to the Rec Center Parking was through Lot #55. The University desired to have access to the Rec Center by means of an access road directly from Fine Arts Drive, thus eliminating the safety issues with pedestrians walking through the parking lots and vehicular conflicts.

Contact:
John Thompson, PE
West Virginia University
Morgantown, WV 26505
(304) 293-3625

Thrasher provided construction documents to University to modify the existing T-intersection of Fine Arts Drive and Rec Center Drive to a 4-way intersection and a new access road into the Rec Center Parking Lot. Thrasher designed a controlled vehicle access road at the top of Lot #55 for buses only traffic. Lot #55 was re-designed to accommodate 32 additional parking spaces. Parking lot modifications were also proposed for the Rec Center with an additional 66 parking spaces being provided. The existing ingress and egress from Lot #55 was relocated to the new access road, and sidewalk upgrades were proposed throughout the area to aid in pedestrian circulation.

The upgrades to this portion of the Evansdale Campus required Thrasher to coordinate with the University, Morgantown MPO, and the WVDOT to reconstruct the intersection of Fine Arts Drive and Patteson Drive (WV 705).



Friendsville Gateway to the West Trailhead & Parking

Thrasher was selected to provide detailed engineering documents and overall design of Town of Friendsville's on-street bike network. Thrasher helped gained access to Maryland Bikeways funding from the beginning through the use of maps and upfront design work.

The design was created based on our understanding of what Friendsville needed: the promotion of the recreation trail geared toward local users and water access facilities. The plan also focused on Friendsville's need to bring both frequent users and recreational day visitors to the heart of town and bolster local economy. This was achieved through creating on-street bike parking and inviting signage.

Thrasher's plan also included a trailhead, which is a custom three paneled kiosk. Thrasher worked closely with the town to help create informational boards and signage to be displayed on this kiosk.

Contact:

Town of Friendsville
Mr. Spencer Schlosnagle, Mayor
PO Box 9, 313 Chestnut Street
Friendsville, MD 21531
301-746-5919



Canal Place Master Plan

Thrasher was hired by the Canal Place Preservation and Development Authority to design an new outdoor marketplace that is located at the western end of the C&O Canal in Cumberland, Canal Place features the rich heritage of the canal basin and the surrounding area. Since the completion of the Canal Place Management Plan in 1996, the Authority has undertaken major rehabilitation and restoration projects. Some projects have been completed and others are in development.

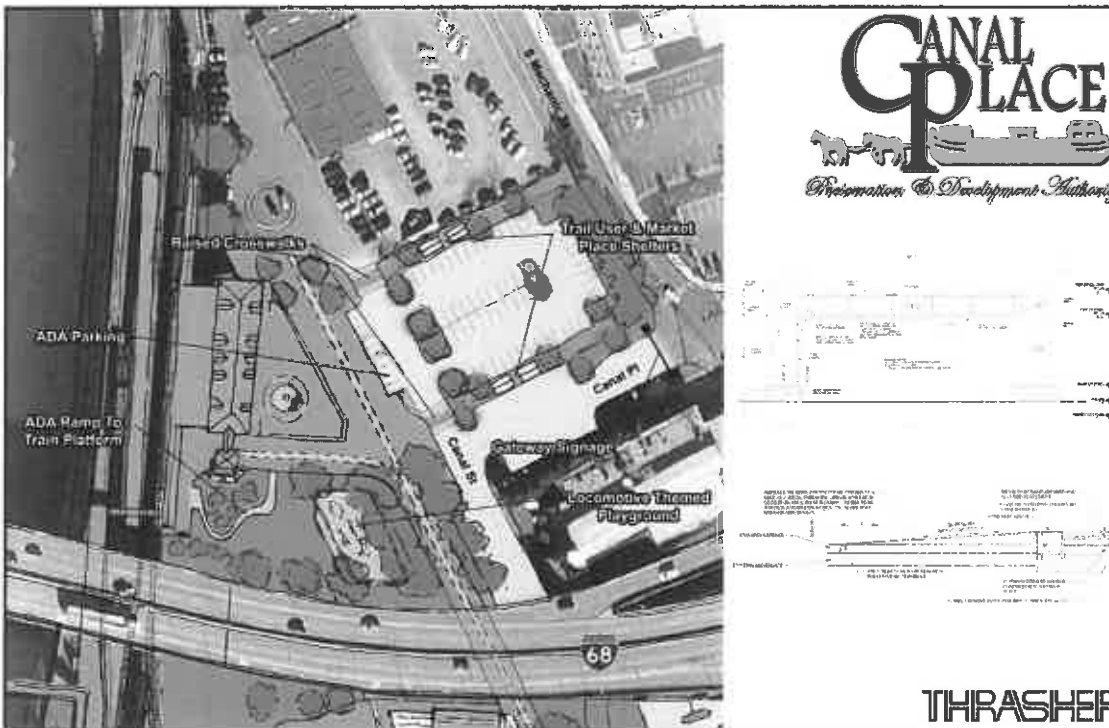
Maryland's Heritage Areas are locally designated and State certified regions where public and private partners make commitments to preserving historical, cultural and natural resources for sustainable economic development through heritage tourism. In 1993, Canal Place, located in Western Maryland, became the first such designated area in the State.

Contact:

Canal Place Development Authority Board
Ms. Diedra L. Ritchie, Executive Director
13 Canal Street, Room 301
Cumberland, MD 21502
301-724-3655

Project Highlights

- Project is in the construction phase
- The construction of the ADA parking area is shown below and other project improvements are shown in the rendering to the left.



Fairmont State University Roadways

The Fairmont State University Roadway and Parking Lot project included improvements to East and West Campus Drive. These roads serve as the main thoroughfares for vehicular entrance and access to campus. This modification improved traffic flow to campus and facilitated access to future buildings sites. The construction was imperative to support the growth of Fairmont State University. This project included a full relocation effort for the existing site utilities and also designed a major storm water and wastewater collection system. The final road design features the following: turn lanes, traffic circle, sidewalks, handicap accessibility, drainage, parking areas, retaining walls, landscaping and paving.



Contact:

Mr. Tom Tucker, Assist. VP of Facilities
Fairmont State University
1201 Locust Avenue
Fairmont, WV 26554
304-367-4000

Project Highlights

- 2005 Excellence in Construction Award and Design - Associated Builders and Contractors Association of WV
- One of the first traffic circle roundabouts in the state of WV
- Increased maneuverability for all campus traffic

References

MR. CHARLIE REESE, DIRECTOR
MARION COUNTY ECONOMIC
AND COMMUNITY
DEVELOPMENT COUNCIL
208 1/2 ADAMS STREET
P.O. BOX 1465
FAIRMONT, WV 26554
304-333-6732

**MR. TOM TUCKER, ASST. VP OF
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FAIRMONT STATE UNIVERSITY
1201 LOCUST AVENUE
FAIRMONT, WV 26554
304-367-4000

**MS. DIEDRA L. RITCHIE,
EXECUTIVE DIRECTOR**
CANAL PLACE DEVELOPMENT
AUTHORITY BOARD
13 CANAL STREET, ROOM 301
CUMBERLAND, MD 21502
301-724-3655

**MR. JOHN THOMPSON, ASSOCIATE
DIRECTOR OF DESIGN AND
CONSTRUCTION SERVICES**
WEST VIRGINIA UNIVERSITY
975 RAWLEY LANE
MORGANTOWN, WV 26506
304-293-3625

STATE OF WEST VIRGINIA
Purchasing Division
PURCHASING AFFIDAVIT

MANDATE: Under W. Va. Code §5A-3-10a, 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: (1) the debt owed is an amount greater than one thousand dollars in the aggregate; or (2) the debtor is in employer default.

EXCEPTION: The prohibition listed above does not apply where a vendor has contested any tax administered pursuant to chapter eleven of the W. Va. 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.

DEFINITIONS:

"Debt" means any assessment, premium, penalty, fine, tax or other amount of money owed to the state or any of its political subdivisions because of a judgment, fine, permit violation, license assessment, defaulted workers' compensation premium, penalty or other assessment presently delinquent or due and required to be paid to the state or any of its political subdivisions, including any interest or additional penalties accrued thereon.

"Employer default" means having an outstanding balance or liability to the old fund or to the uninsured employers' fund or being in policy default, as defined in W. Va. Code § 23-2c-2, failure to maintain mandatory workers' compensation coverage, or failure to fully meet its obligations as a workers' compensation self-insured employer. An employer is not in employer default if it has entered into a repayment agreement with the Insurance Commissioner and remains in compliance with the obligations under the repayment agreement.

"Related party" means a party, whether an individual, corporation, partnership, association, limited liability company or any other form or business association or other entity whatsoever, related to any vendor by blood, marriage, ownership or contract through which the party has a relationship of ownership or other interest with the vendor so that the party will actually or by effect receive or control a portion of the benefit, profit or other consideration from performance of a vendor contract with the party receiving an amount that meets or exceeds five percent of the total contract amount.

AFFIRMATION: By signing this form, the vendor's authorized signer affirms and acknowledges under penalty of law for false swearing (W. Va. Code §61-5-3) that neither vendor nor any related party owe a debt as defined above and that neither vendor nor any related party are in employer default as defined above, unless the debt or employer default is permitted under the exception above.

WITNESS THE FOLLOWING SIGNATURE:

Vendor's Name: The Thrasher Group, Inc.

Authorized Signature: *Jonathan Carpenter* Date: 08-17-2016

State of West Virginia

County of Harrison, to-wit:

Taken, subscribed, and sworn to before me this 17 day of August, 2016.

My Commission expires May 30, 2021, 20 .

AFFIX SEAL HERE

NOTARY PUBLIC *John E. Robinson*
Purchasing Affidavit (Revised 08/01/2015)

