



10 July 2012

Ms. Connie Hill  
WV Department of Administration  
Purchasing Division  
2019 Washington Street, East  
Charleston, WV 25305-0130

RE: EOI CHA12017 Coal Heritage Discovery Center, Mount Hope, West Virginia

Dear Ms. Hill:


It is with great pleasure that I submit this Expression of Interest for architectural and engineering services for the restoration and adaptive reuse of the historic structure located at 814 Main Street in Mount Hope, for an interpretive and visitor center for the **Coal Heritage Trail and National Coal Heritage Area**. The opportunity to work on this project has a very **personal meaning** to our firm. Jonathan Perry and I, who will be managing the project, are both from nearby Beckley and have many personal and family ties to Mount Hope. In addition, multiple members of our firm come from a long line of coal miners and take great pride in this heritage. Needless to say, it would be an honor to work with you on this project!

Paradigm Architecture has demonstrated success in design for restoration and adaptive reuse of **Historic Structures**, as **Exhibition Design and Visitor Centers**. Current project examples are Hardway Hall at Fairmont State University and Cacapon and Canaan Resort State Parks. We are currently working with the West Virginia Division of Culture & History on a new stage and support building for Camp Washington-Carver and have just completed the West Virginia University Visitor Resource Center in Morgantown. In addition, we have worked with a number of clients in southern West Virginia, including Glade Springs Resort and Conference Center, in Daniels, the Black Knight Country Club in Beckley, several area churches, and the West Virginia School of Osteopathic Medicine in Lewisburg.

For this project, Paradigm Architecture has partnered with the highly acclaimed consulting firm, **Riggs Ward Design**. We have worked with their staff on several projects, including the new WVU Resource Center and Two Waterfront Place Hotel and Conference Center. Their expertise is widely sought after for exhibition, multimedia, graphic design, strategic interpretive master planning, research, content analysis, and storyline development. Project types range from museums and visitor centers to parks and other similar cultural institutions. In addition, we are including the talents of **Hanbury Preservation Consulting**. Their portfolio includes multiple projects in Appalachia with a focus on historic preservation planning, heritage tourism planning, and strategic planning for preservation organizations. They have demonstrated success in identifying and accessing additional funding for historic preservation projects. The rest of our team includes **Terradon Corporation**, who will provide Civil Engineering services. **Allegheny Design Services** will provide Structural Engineering as well as Mechanical, Electrical, and Plumbing Engineering services. We have extensive professional relationships with these engineers and have successfully completed many projects together.

It is our goal to provide a high level of personal service and design solutions that reflect the unique image and purpose of our clients. We welcome the opportunity to work with you on this project.

Best regards,

  
Paul A. Walker, AIA  
President

2450 Valleydale Road • Suite 150  
Birmingham, AL 35244  
Tele 205•403•2742 205•403•2743 Fax

2223 Cheat Road • Suite 300  
Morgantown, WV 26508  
Tele 304•284•5015 304•284•5014 Fax

RECEIVED

2012 JUL 11 AM 9:46

WV PURCHASING  
DIVISION

# Table of Contents



## Cover Letter

## Required Executed Forms

*Solicitation EOI Form*

*Certification and Signature Page*

*Addendum Acknowledgement Form*

*Purchasing Affidavit*

<b>Paradigm Architecture.....</b> <i>Architecture</i>	<b>Section 1</b>
--	------------------

<b>Experience   References.....</b>	<b>Section 2</b>
-------------------------------------	------------------

<b>Project Team .....</b>	<b>Section 3</b>
---------------------------	------------------

<b>Riggs Ward Design .....</b> <i>Exhibition   Graphic Design</i>	<b>Section 4</b>
--	------------------

<b>Hanbury Preservation Consulting .....</b> <i>Historic Preservation</i>	<b>Section 5</b>
--	------------------

<b>Terradon Corporation .....</b> <i>Civil Engineering</i>	<b>Section 6</b>
---	------------------

<b>Allegheny Design Services .....</b> <i>Structural Engineering</i> <i>Mechanical   Electrical   Plumbing  </i> <i>Fire Protection Engineering</i>	<b>Section 7</b>
--	------------------



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

## Solicitation

NUMBER
CHA12017

PAGE
1

ADDRESS CORRESPONDENCE TO ATTENTION OF:
CONNIE HILL 304-558-2157

RFQ COPY  
TYPE NAME/ADDRESS HERE  
Paradigm Architecture, Inc.  
2223 Cheat Road, Suite 300  
Morgantown, WV 26508

V  
E  
N  
D  
O  
R

S  
H  
I  
P  
T  
O

COAL HERITAGE TRAIL AUTHORITY  
NATIONAL COAL HERITAGE AREA AU  
POST OFFICE BOX 5176  
104 WILSON STREET  
BECKLEY WV  
25801-5176 304-256-6941

DATE PRINTED
06/08/2012

BID OPENING DATE:

07/12/2012

BID OPENING TIME

LINE	QUANTITY	UOP	CAT. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
EXPRESSION OF INTEREST						
THE WEST VIRGINIA PURCHASING DIVISION FOR THE AGENCY, THE COAL HERITAGE HIGHWAY AUTHORITY IS SOLICITING EXPRESSIONS OF INTEREST FOR PROFESSIONAL ARCHITECTURAL ENGINEERING DESIGN SERVICES FOR THE RESTORATION AND ADAPTIVE REUSE OF A HISTORIC STRUCTURE IN THE CITY OF MOUNT HOPE, WEST VIRGINIA FOR THE PURPOSE OF AN INTERPRETIVE AND VISITOR CENTER FOR THE COAL HERITAGE TRAIL AND NATIONAL COAL HERITAGE AREA. PROJECT WILL ALSO INCLUDE OFFICE SPACE FOR THE COAL HERITAGE HIGHWAY AUTHORITY, VISITOR SERVICES, RESTROOMS, GIFT SHOP AND COFFEE SHOP/SNACK BAR PER THE ATTACHED BID REQUIREMENTS AND SPECIFICATIONS.						
**BID CLOSING DATE: JULY 12, 2012 AT 1:30 PM						
LOCATION: PURCHASING DIVISION, BUILDING #15 2019 WASHINGTON STREET, EAST CHARLESTON, WV 25305						
0001	1	JB		906-00-00-001		
ARCHITECT/ENGINEERING SERVICES, PROFESSIONAL						
FOR THE RESTORATION AND ADAPTIVE REUSE OF A HISTORIC STRUCTURE IN MT. HOPE, WV TO BE USED AS AN INTERPRETIVE AND VISITOR CENTER FOR THE COAL HERITAGE TRAIL AND NATIONAL COAL HERITAGE AREA PER THE ATTACHED SPECIFICATIONS.						
SIGNATURE			TELEPHONE			DATE
			304.284.5015			July 10, 2012
TITLE		FEIN		ADDRESS CHANGES TO BE NOTED ABOVE		
President		63-1263568				

WHEN RESPONDING TO SOLICITATION, 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

## Solicitation

NUMBER	PAGE
CHA12017	2
ADDRESS CORRESPONDENCE TO ATTENTION OF:	
CONNIE HILL 304-558-2157	

RFQ COPY  
TYPE NAME/ADDRESS HERE  
Paradigm Architecture, Inc.  
2223 Cheat Road, Suite 300  
Morgantown, WV 26508


V  
E  
N  
D  
O  
R

SHIP TO  
COAL HERITAGE TRAIL AUTHORITY  
NATIONAL COAL HERITAGE AREA AU  
POST OFFICE BOX 5176  
104 WILSON STREET  
BECKLEY WV  
25801-5176 304-256-6941

DATE PRINTED
06/08/2012
BID OPENING DATE:

07/12/2012

BID OPENING TIME

LINE	QUANTITY	UOP	CAT. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
ATTACHED DOCUMENTS: 1. EXPRESSION OF INTEREST 2. INSTRUCTION TO VENDORS SUBMITTING BIDS 3. GENERAL TERMS & CONDITIONS 4. ADDITIONAL TERMS & CONDITIONS FOR ARCHITECTURAL AND ENGINEERING SERVICES 5. CERTIFICATION & SIGNATURE PAGE 6. ADDENDUM ACKNOWLEDGEMENT FORM 7. PURCHASING AFFIDAVIT						
***** THIS IS THE END OF RFQ CHA12017 ***** TOTAL:						
SIGNATURE  TELEPHONE 304.284.5015 DATE July 10, 2012						
TITLE President		FEN 63-1263568		ADDRESS CHANGES TO BE NOTED ABOVE		

WHEN RESPONDING TO SOLICITATION, 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

## Solicitation

NUMBER
CHA12017

PAGE
1

ADDRESS CORRESPONDENCE TO ATTENTION OF:
CONNIE HILL 304-558-2157

V E N D O R	RFQ COPY
	TYPE NAME/ADDRESS HERE
	Paradigm Architecture, Inc.
	2223 Cheat Road, Suite 300 Morgantown, WV 26508

S H I P T O	COAL HERITAGE TRAIL AUTHORITY NATIONAL COAL HERITAGE AREA AU POST OFFICE BOX 5176 104 WILSON STREET BECKLEY WV 25801-5176 304-256-6941
----------------------------	---

DATE PRINTED
07/09/2012

BID OPENING DATE: 07/12/2012 BID OPENING TIME 1:30PM

LINE	QUANTITY	UOP	CAT. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
ADDENDUM NO. 1						
1. TO PROVIDE ANSWERS TO QUESTIONS RECEIVED FOR THIS SOLICITATION.						
2. ADDENDUM ACKNOWLEDGEMENT IS ATTACHED AND SHOULD BE RETURNED WITH YOUR BID. FAILURE TO RETURN MAY RESULT IN DISQUALIFICATION OF YOUR BID.						
0001	1	JB		906-00-00-001		
ARCHITECT/ENGINEERING SERVICES, PROFESSIONAL						
SIGNATURE		TELEPHONE			DATE	
		304.284.5015			July 10, 2012	
TITLE		FEB			ADDRESS CHANGES TO BE NOTED ABOVE	
President		63-1263568				

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

**CERTIFICATION AND SIGNATURE PAGE**  
**CHA12017**

---

By signing below, I certify that I have reviewed this Solicitation in its entirety; understand the requirements, terms and conditions, and other information contained herein; that I am submitting this bid or proposal for review and consideration; that I am authorized by the bidder to execute this bid or any documents related thereto on bidder's behalf; that I am authorized to bind the bidder in a contractual relationship; and that to the best of my knowledge, the bidder has properly registered with any State agency that may require registration.

Paradigm Architecture, Inc.

(Company)

  
Paul A. Walker, AIA, President

(Representative Name, Title)

304.284.5015 / 304.284.5014

(Contact Phone/Fax Number)

July 10, 2012

(Date)

**ADDENDUM ACKNOWLEDGEMENT FORM**  
**SOLICITATION NO.: CHA12017**

**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:**

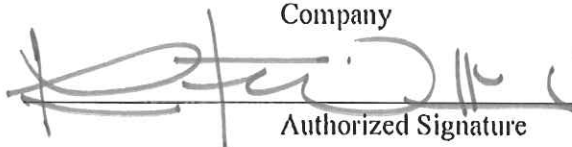
(Check the box next to each addendum received)

<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 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.

Paradigm Architecture, Inc.

Company

  
Authorized Signature

July 10, 2012

Date

**NOTE:** This addendum acknowledgment should be submitted with the bid to expedite document processing.

STATE OF WEST VIRGINIA  
Purchasing Division

## PURCHASING AFFIDAVIT

**West Virginia Code §5A-3-10a states:** No contract or renewal of any contract may be awarded by the state or any of its political subdivisions to any vendor or prospective vendor when the vendor or prospective vendor or a related party to the vendor or prospective vendor is a debtor and the debt owed is an amount greater than one thousand dollars in the aggregate.

### DEFINITIONS:

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

"Debtor" means any individual, corporation, partnership, association, limited liability company or any other form or business association owing a debt to the state or any of its political subdivisions. "Political subdivision" means any county commission; municipality; county board of education; any instrumentally established by a county or municipality; any separate corporation or instrumentality established by one or more counties or municipalities, as permitted by law; or any public body charged by law with the performance of a government function or whose jurisdiction is coextensive with one or more counties or municipalities. "Related party" means a party, whether an individual, corporation, partnership, association, limited liability company or any other form or business association or other entity whatsoever, related to any vendor by blood, marriage, ownership or contract through which the party has a relationship of ownership or other interest with the vendor so that the party will actually or by effect receive or control a portion of the benefit, profit or other consideration from performance of a vendor contract with the party receiving an amount that meets or exceeds five percent of the total contract amount.

**EXCEPTION:** The prohibition of this section does not apply where a vendor has contested any tax administered pursuant to chapter eleven of this code, workers' compensation premium, permit fee or environmental fee or assessment and the matter has not become final or where the vendor has entered into a payment plan or agreement and the vendor is not in default of any of the provisions of such plan or agreement.

Under penalty of law for false swearing (*West Virginia Code §61-5-3*), it is hereby certified that the vendor affirms and acknowledges the information in this affidavit and is in compliance with the requirements as stated.

### WITNESS THE FOLLOWING SIGNATURE

Vendor's Name: Paradigm Architecture, Inc.

Authorized Signature: [Signature] Date: July 10, 2012

State of West Virginia

County of Monongalia, to-wit:

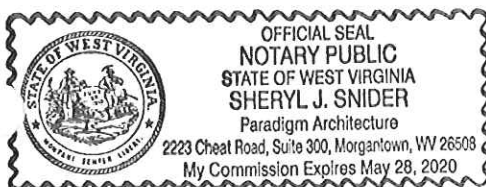
Taken, subscribed, and sworn to before me this 10th day of July, 2012.

My Commission expires May 28, 2020.

AFFIX SEAL HERE

NOTARY PUBLIC

[Signature: Sheryl J. Snider]



## Firm History



Paradigm Architecture was formed in October of 2000 by a group of likeminded individuals who believe that architecture provides the opportunity to practice the career that we love. We as individuals and as team members of a firm have a responsibility to exhibit that passion in the manner in which we live our lives.

We chose the name Paradigm because it means a model that serves as an example:

This represents our highest ideals...  
that our architecture would serve as an example  
that our client service would serve as an example  
that our service to our God would serve as an example.

Originally established in Birmingham, Alabama, Paradigm Architecture expanded in 2002 by opening an office in Morgantown, West Virginia. Our staff of eleven includes five registered architects, one intern architect, three CAD designers, and two administrative assistants. We utilize the most current technical hardware and software including AutoCAD, Revit, 3D site and building rendering programs, and SpecLink specifications software.

It is our belief that we should assemble consultants that are uniquely skilled to satisfy the particular requirements of a project. We have close professional relationships with many engineers and specialized consultants and choose those that we feel will best serve the technical specialization, location of the work and sometimes even personality of the client. We choose not to work with firms who do not share our commitment to service and quality.



Par-a·dlgm - (pär'e-dīm') *n.* An example that serves as pattern or model.



*Waterfront Marina*



## Firm Profile



*Trinity Christian School*



*Trinity Christian School*



*Trinity Christian School*

Paradigm by definition means an example that serves as pattern or model. The goal of Paradigm Architecture is to be an example in client service, design quality, and technical proficiency. We practice architecture. For every project, Paradigm works closely with the unique requirements of the particular client to design a structure that reflects both the appropriate image and proper function to optimize the working or living environment.

### EXPERIENCE

Paradigm Architecture has experience in a broad range of project types. This work includes private individual, corporate, governmental, educational, and institutional clients.

#### Educational

Educational experience includes administrative office space, parking facilities, student housing, libraries, student centers, athletic facilities, master planning, classrooms, and research laboratory facilities. We have worked on campuses that include: West Virginia University, Fairmont State University, Davis and Elkins College, The College of West Virginia, Hampden Sydney College, Wake Forest University, Ayers State Technical College, The University of North Carolina at Greensboro, and The University of Alabama at Birmingham. Paradigm's staff has also been involved in educational facilities at the elementary and high school level including new and renovated buildings.

#### Master Planning

Paradigm Architecture has successfully completed master planning for the Waterfront Development and Trinity Christian School, in Morgantown, Avery Court in Parkersburg, and Glade Springs Resort, in Daniels. In addition, we have performed master planning for Asian Plaza in Birmingham, AL, and are about to begin updating the master plan for Russell Medical Center in Alexander City, AL, as well as the West Virginia School of Osteopathic Medicine in Lewisburg, WV.

#### Governmental

Members of Paradigm have been involved in various government projects at the Federal, State, and Local levels. Federal Clients include the GSA, Social Security Administration, Federal Bureau of Investigation, Drug Enforcement Agency, Small Business Administration, Mine Safety and Health Administration, USDA, and DOE. These projects range from new construction for new buildings to tenant fitups in shell buildings. State and local agencies include Department of Natural Resources, multiple higher education clients, Morgantown Chamber of Commerce, and Trussville City Hall.



*Trinity Christian School*

**Par-a-digm - (pär'e-dīm')** *n.* An example that serves as pattern or model.



## Firm Profile



*Russell Medical Center*



*Glenmark Office Building*

### Institutional

Medical and retirement life care projects dominate our staff's institutional portfolio. Medical projects include master planning, outpatient surgery centers, patient care rooms, emergency medicine, surgery suites, labor & delivery suites, Magnetic Resonance Imaging, X-ray diagnostic services, and heart catheterization spaces for hospital clients, radiation and chemotherapy treatment areas in cancer centers, and professional medical office space for private physicians. Retirement life care facilities range from independent elderly housing and assisted living facilities to full nursing care centers.

### Food Service

We have been privileged to design many Food Service facilities. These include many private restaurants as well as large, full service commercial catering kitchens and banquet facilities accommodating up to 1,500 guests at a time. Examples of these facilities include Two Waterfront Place Hotel and Conference Center, Morgantown Event Center, Regatta Bar and Grille, Rat Pack Lounge, Boathouse Bistro, Sargasso Restaurant, Trussville Family Center, Mountaintop Community Church's Family Life Center, and Shono's Restaurant. In addition, we are currently designing additions and renovations to Cacapon Resort, which includes updating the existing commercial kitchen and dining facilities.

### Residential

Paradigm's residential experience spans a variety of client types. Student Housing/dormitory facilities for higher education, hotel projects, elderly housing, and private residential that includes single family homes, townhouses, and high end condominium units.

### Corporate

Paradigm has designed entire office buildings as well as tenant fit-up spaces for clients such as Jackson Kelly PLLC, A.G. Edwards, Acordia, Petroplus & Associates Inc., National Biometric Security Project, Simpson & Osborne, DMJM Harris, and the West Virginia University Foundation. Projects also include banking regional and branch offices.



*WVU  
Downtown  
Student  
Housing*



Par-a-digm - (pär'e-dīm') *n.* An example that serves as pattern or model.

# Sustainable Design



## LEED / Green Building

Today, everyone is concerned with energy conservation, life cycle analysis, and green building techniques; and Paradigm Architecture is no different. We have completed two projects that are or will be LEED Certified.

U.S. Department of Energy Office of Legacy Management, Morgantown, WV

***LEED Gold Certified — Core & Shell***

***LEED Gold Certified — Commercial Interiors***

U.S. Department of Agriculture Office Building, Morgantown, WV

***LEED Certified***



These projects have incorporated sustainable design elements in all elements of construction such as white roofs, energy efficient building envelopes, non irrigated landscaping, on site bio filtration systems, use of local and regional materials, indoor air quality, enhanced commissioning, building automation controls, occupancy sensors, energy recovery systems, and energy efficient mechanical systems, energy modeling, low flow plumbing fixtures, sunshades, and daylighting.

In addition, we have been able to assist clients who are interested in applying green building techniques such as improving the energy efficiency of the building and reducing long term life cycle costs, even though they may not wish to pursue LEED Certification. An example of this includes the Morgantown Event Center and Garage. Although it was originally designed for LEED Certification, the Owner decided not to pursue. As a method of organization, we will utilize the LEED Checklist, even though the Owner does not want to pursue certification.

We have one LEED Accredited Professional on staff and others who are pursuing green building education. All of our consultants have experience with not only green building construction but also life cycle cost evaluations, value engineering, and materials/systems comparisons in order to give the Owner the best value in a project.



*U.S. Department of Energy*



*U.S. Department of Agriculture*

# Honors & Awards



WVU Transportation Center  
& Garage



Upper Monongahela  
River Center

Upper  
Monongahela  
River  
Center

## Excellence in Construction by the Associated Builders & Contractors, Inc.

- 2010 – Morgantown Event Center  
Morgantown, WV
- 2010 – GSA USDA Office Building  
Morgantown, WV
- 2010 – WVU Transportation Center  
and Garage, Morgantown, WV
- 2007 – Waterfront Marina  
Morgantown, WV
- 2007 – Chestnut Ridge Church  
Morgantown, WV
- 2004 – Madden Student Center at  
Davis and Elkins College, WV
- 2004 – Two Waterfront Place Hotel  
And Conference Center  
Morgantown, WV
- 2003 – The Jackson Kelly Building  
Morgantown, WV
- 2001 – Russell Cancer Center  
Alexander City, AL

## Alabama Masonry Institute

- 2004 – Top Block Award—Russell  
Professional Office Building III  
Alexander City, AL

## Main Street Morgantown

- 2008 – Best New Construction Award  
Marina Tower, Morgantown, WV
- 2008 – Best New Office Award, Spilman  
Thomas Battle, Morgantown, WV

## Pittsburgh Corning Glass Block

- 2004 – Circle of Design Excellence  
Award  
Lightning Strikes Family Fun  
Center, Trussville, AL

## West Virginia American Institute of Architects

- 2010 – Honor Award, Upper  
Monongahela River Center  
Morgantown, WV
- 2010 – Merit Award, West Virginia  
University Transportation Center  
and Garage, Morgantown, WV

## International Parking Institute Awards of Excellence

- 2011 — Honorable Mention, Mountaineer Station (WVU Transportation Center), Morgantown, WV



Par-a-digm - (pär'e-dīm') *n.* An example that serves as pattern or model.

## Customer Relationships & Quality Assurance



*Glade Springs Resort*



*Chestnut Ridge Church*

Paradigm Architecture prides itself on providing excellent client service. When asked one time whether Paradigm Architecture was primarily a Design Firm or a Technical Firm, the response was simply "We are a Client Service Firm." Our portfolio of projects exemplifies this as a quick review shows that the majority of our work comes from repeat clients. We are known for providing fast, local response as well as personal attention to each and every project, no matter how large or how small. The following pages are brief summaries of techniques used to maintain these valuable relationships.

### Project Management

Every project will be assigned a Project Manager who is a licensed Architect with appropriate project type experience. This project manager will be assigned to the project from conception to project closeout and will be the client's primary point of contact for the entire design team. Communication is of utmost importance for any project to be successful and a workflow of communication, including identifying key individuals' responsibilities and authorities will be established at the onset of the project. Unlike most design teams, we feel that it is important for the Owner to have direct contact with the consultants on the design team. There will be scheduled meetings throughout the duration of the project where the Owner will have the opportunity to be directly involved with all aspects of the project's design. These meetings will range from design charrettes to interviews with maintenance staff to feedback meetings at the conclusion of design phases.

*Fairmont  
State  
University  
Hardaway  
Hall*



Par-a-digm - (pă-r'ē-dīm') *n.* An example that serves as pattern or model.



# Customer Relationships & Quality Assurance



## Construction Contract Administration

In addition to the Project Manager, a Construction Contract Administrator will be assigned to each project. This individual will have extensive experience with the Client's established **Design Guidelines and Standards** and Construction Contract procedures. Unique to our company, this person will have been actively involved with the project during design and will have firsthand knowledge of the project's design. The Construction Administrator's roles will include managing and reviewing shop drawings, submittals, and RFI's for the entire design team. Additional roles include attendance at job site meetings, documenting construction progress and actively keeping the Owner through direct correspondence. The Contract Administrator will endeavor to have a good working relationship with the successful contractor bidding on the project to ensure that the project is a success for all parties involved.

## Project Closeout

Project Closeout Procedures will involve inspections by all members of the design team for Substantial Completion, and again at Final Completion. Each team member will generate a punch list of items that are either deficient or need to be completed. Closeout Submittals are required on every project and include not only Operations and Maintenance Manuals, but also Record Drawings, Approved Shop Drawings/ Submittals, Attic Stock, and Contact Information for all Subcontractors on the project. A careful review and confirmation of the Closeout Submittals will be conducted prior to approval of the Final Payment Application.



*Trinity Christian School*



*WVU Intermodal Garage*

*Davis & Elkins College  
Madden Student Center*



Par·a·dlgm - (pär'ə-dīm') *n.* An example that serves as pattern or model.

## Customer Relationships & Quality Assurance



*Chestnut Ridge Church*

### From Program to Design to Construction

Once a program has been established, Paradigm Architecture will lead the design team through Schematic Design, Design Development, and Construction Documents. Schematic Design Deliverables will include Preliminary Architectural Floor Plans and Elevations, as well as Systems Narratives by all consultants. Design Development Deliverables will include detailed floor plans, elevations, sections, schedules, and single line engineering drawings. An outline specification will also be part of these deliverables, as well as 3d renderings for marketing purposes. Construction Documents Deliverables will include fully developed and completed drawings and specifications from all disciplines.

At all phases, an updated cost estimate will be provided that represents the current status of the project. As required for budget control, value engineering will take place prior to bidding and alternates will be included in the final bidding documents.

Once Bidding Documents have been approved by the Owner, Paradigm Architecture will assist the Owner in the Procurement Phase by prequalifying contractors, holding a Pre-Bid Conference, responding to questions, and issuing Addenda. After bids have been received, lowest responsible bidder approved, and a Construction Contract issued, Paradigm will provide Construction Contract Administration Services as described above.

*Glade  
Springs  
Resort*



Par-a-digm - (pă-r'ē-dīm') *n.* An example that serves as pattern or model.



# Quality Control & Management



## Teamwork

It has always been our philosophy that successful projects are the result of successful team relationships. And on any given construction project, there are a lot of relationships that come into play: owners, developers, facilities managers, architects, engineers, contractors, subcontractors, financial institutions, attorneys, code agencies, and tenants. We have learned a lot about how to work successfully together with all parties involved. Every project, whether large or small, is unique and requires strong leadership. Being a small business, you can be assured that local, senior staff and an experienced project manager will be assigned to all of our projects. Based on the specific requirements of the project, we always put together a team of consultants and staff who would best serve the needs of that individual project and client – while always maintaining a constant flow of communication and personal service with the owner. We have relationships with some of the best consulting companies in the region and the country to bring together the appropriate talents to meet the needs of a particular project. We currently have active relationships with consultants in WV, AL, IN, MI, OH, TX, NY, and PA.

## Technology

Paradigm Architecture prides itself on streamlining our project delivery and management methods. One of the ways we do this is to utilize the latest technology, including web-based project collaboration sites, electronic communication, electronic submittals for review and approval, video conferencing and the latest software packages for 3D renderings, Computer Aided Drafting (CAD), and Building Information Modeling (BIM). Our current software packages include the latest versions of Revit Architecture, Autocad Architecture, 3-D Studio, and SpecLink. Far from the older methods of hand drafting, these tools help us to deliver faster and better coordinated projects, have fewer problems in the field, and provide the owner with excellent visualization tools during project development. We are always pursuing additional training and education for all our staff, including "in house" workshops, seminars, and online education for topics such as green building, BIM, project delivery and management, and current codes.



*Fairmont State University  
Falcon Center*

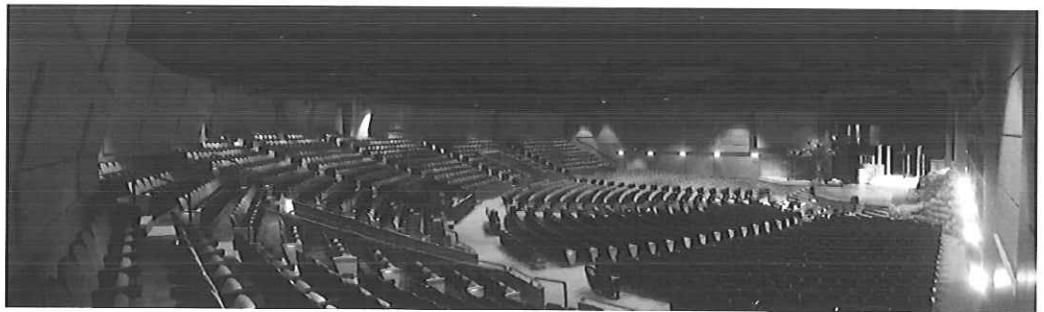


*Chestnut Ridge Church*



*Fairmont State University  
Classroom*

*Chestnut  
Ridge  
Church*



# Quality Control & Management



## Building Information Modeling (BIM)



Fairmont State University  
Hunt Haught Hall

Of particular interest is our use of BIM. More than just a 3D visualization tool, BIM allows for all disciplines to conduct "clash detection" tests for various disciplines and building components before the project goes to bid. This is extremely crucial for above ceiling coordination among the structural and MEP components. Use of BIM technology can result in better coordinated construction documents and less changes in the field. In addition, BIM allows the Owner to virtually experience the project before it is constructed. Utilizing Animations, we can "walk" the Owner through the building so that room layout surprises are eliminated during design. The use of renderings allows for careful material selections and presentations to internal departments and project stakeholders. At the conclusion of the project, the as-built model can be turned over to the Owner's Facilities Management Department for an actively working database to be used for years to come.

## File Transfer Protocol (FTP)



Fairmont State University  
Hunt Haught Hall

Throughout the life of the project, Paradigm hosts the FTP site. Paradigm sets up the site and all permissions for the site. If necessary, we lead a training session for the entire project team on how to use the site. The site will be maintained from the signing of Owner/Architect Agreement until the Project Closeout. All formal correspondence, as well as all required deliverables, throughout the duration of the entire project shall be uploaded to the FTP site. Paradigm creates an archive CD or DVD of all files on the project's FTP site at Project Closeout and delivers to the Owner.

## Project Delivery

We have successfully used a wide range of project delivery types on both public and private projects: design-bid-build, negotiated, design-build, develop-design-build, fast track, construction management agency, and construction management where the construction manager is also the contractor. We have extensive experience on fast-track construction projects, ranging from \$1 million to \$35 million. We assist the owner in developing critical path items and developing multiple early release packages while the design is still ongoing. These packages typically include initial site work, foundation, superstructure, long lead equipment, shell, and interior fit out. Although there are greater risks that must be assumed by the owner with this method, the benefits from meeting tight deadlines typically outweigh these risks. Expedient decisions must be made by all involved and open lines of communication and transparency are crucial. On any given type of project delivery, we have a quality control plan that includes developing an initial schedule with the owner for the entire project through the design, bid, and construction phases. Milestone points will be established and will include deliverables from both the design team and the owner. These milestone points will include sets of progress drawings and specifications for both the owner's and design team's review. We have an extensive "in house" coordination and review process that includes engineering coordination, specification coordination, code and life safety reviews, and the owner's program review. Before moving to each subsequent phase, the Owner will have an opportunity to review and "sign off" on each progress set so that all parties are always clear as to the direction the project is heading.

Par-a·dlgm - (pär'e-dīm') *n.* An example that serves as pattern or model.

# Quality Control & Management



## Project Delivery

We have successfully used a wide range of project delivery types on both public and private projects: design-bid-build, negotiated, design-build, develop-design-build, fast track, construction management agency, and construction management where the construction manager is also the contractor. We have extensive experience on fast-track construction projects, ranging from \$1 million to \$35 million. We assist the owner in developing critical path items and developing multiple early release packages while the design is still ongoing. These packages typically include initial site work, foundation, superstructure, long lead equipment, shell, and interior fit out. Although there are greater risks that must be assumed by the owner with this method, the benefits from meeting tight deadlines typically outweigh these risks. Expedient decisions must be made by all involved and open lines of communication and transparency are crucial. On any given type of project delivery, we have a quality control plan that includes developing an initial schedule with the owner for the entire project through the design, bid, and construction phases. Milestone points will be established and will include deliverables from both the design team and the owner. These milestone points will include sets of progress drawings and specifications for both the owner's and design team's review. We have an extensive "in house" coordination and review process that includes engineering coordination, specification coordination, code and life safety reviews, and the owner's program review. Before moving to each subsequent phase, the Owner will have an opportunity to review and "sign off" on each progress set so that all parties are always clear as to the direction the project is heading.



Glade Springs Clubhouse



Glade Springs Clubhouse



Glade Springs Clubhouse

Glade  
Springs  
Clubhouse



Par-a-digm - (pär'e-dīm') *n.* An example that serves as pattern or model.

# Quality Control & Management



## Cost Control

Using internal cost data, and national databases, we are able to provide the Owner rough order of magnitude and schematic cost estimating for initial project development. We often conduct feasibility studies for clients to help them with initial project evaluations. For projects under \$1 million, we will provide more detailed cost estimating "in house" and have consistently been within an expected 10% range on bid day. However, unlike many architects and engineers, we feel that utilizing the services of a contractor or construction manager is extremely beneficial to the design process and helps keep the project moving in the right direction. Their services, such as cost estimating, constructability reviews, value engineering, current bid market analysis, and CPM scheduling have proven to be valuable assets to both the architect and owner. They are the experts in this area, just as we are the experts in the area of design, so why shouldn't we work together from day one to give the owner the best possible project? Therefore, we often suggest that these services be used on medium and large projects. If a project's funding sources do not allow for the general contractor to fill this role until the design is complete, then we can provide this role as consulting services under our contract. At times, we recommend both the architect and owner hire these consultants so that two third party reviews can be conducted and then any major differences be reconciled prior to bidding the project. Using these unique approaches, we find that it is rare for one of our projects to be over budget or behind schedule.

## Fast Track

We have been involved with multiple project delivery types where time is of the essence and have the capability to perform Fast Track Delivery Services if necessary. With Fast Track Delivery, the project is broken up in multiple construction packages with early release dates. Examples of these packages include Earthwork / Site Utilities, Foundations, and Superstructure. This allows construction to begin before the design has been complete.



*Glade Springs Resort  
Hotel and Conference Center*



*WVU Intermodal Garage*

*Lightning  
Strikes  
Trussville  
Family  
Fun  
Center*



Par·a·dlgm - (pär'e-dīm') *n.* An example that serves as pattern or model.



# Quality Control & Management



## Facilities Operations and Maintenance



*Morgantown Event Center*

Recognizing the importance of long-term building operations and maintenance concerns, as well as building lifecycle costs, we encourage the involvement of the Owner's Facilities Management and/or Physical Plant staff throughout the project. We prefer to allow the engineers to get direct feedback from these individuals and we value their input to the selection of materials and systems. We diligently work to avoid past issues and concerns that have risen on past projects. In addition, our consultants have abundant experience in providing solutions and alternatives to pre existing maintenance conditions to alleviate those problems, provide a better building environment, and reduce lifecycle costs. This experience gives our team first-hand experience on the importance of having this staff involved with the design and allows for better decision making with the materials and systems selection.

## Critical Path Method



*Morgantown Event Center*

Paradigm Architecture has abundant experience in managing multiple projects with critical deadlines. Meeting these deadlines all starts with a clear definition of the schedule constraints. The ultimate project completion date is not the only date that should be targeted on the delivery schedule. Paradigm Architecture utilizes critical path method scheduling to define "Milestone" Dates for the entire project. These include deliverables dates for various phases, design time, Owner's review, Agency and Authority having Jurisdiction Review, procurement time, and construction time. Rather than viewing the schedule as a linear process, it is of utmost importance to determine those items that fall on the "critical path." If those deadlines are missed then the schedule must be adjusted immediately or the project will fall behind. We prefer to view the Schedule as a method of Monitoring and Control throughout the duration of the project. The entire design team and the Owner will be constantly informed and updated regarding schedule performance and corrective action will immediately be taken as necessary.

*Morgantown Event Center*



Para·dlgm - (pă'r'e-dīm') *n.* An example that serves as pattern or model.



## West Virginia University Visitor Resource Center Renovation

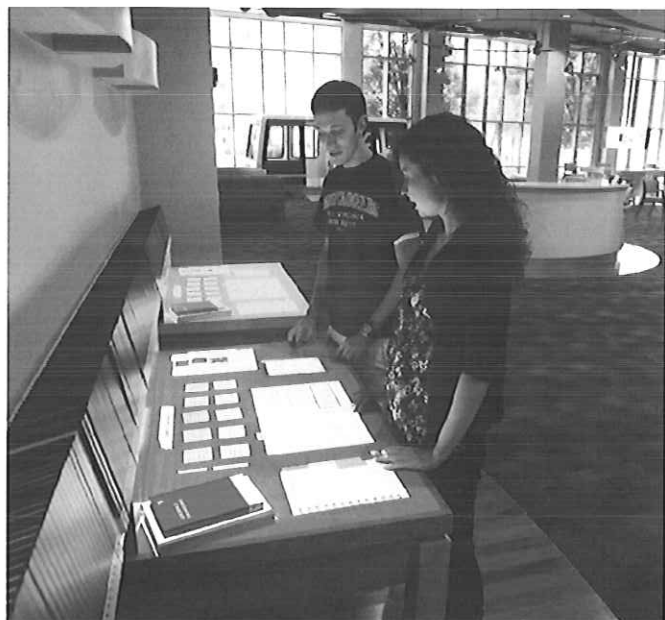
Morgantown, West Virginia



This project is a 4,200 SF renovation to the Visitor Resource Center in the One Waterfront Building. It features a state-of-the-art theater and high-tech interactive exhibit displays to inform prospective students about the university.



**Owner:** West Virginia University  
**Project Manager:** Grant Gramstad, AIA  
**Design Consultant:** Riggs Ward  
**Project Architect:** Paul Walker, AIA  
**Completion:** Spring 2012  
**Cost:** \$1 Million  
**Size:** 4,200 Square Feet  
**Delivery Type:** Design-Bid-Build  
**Contractor:** March-Westin Company, Inc.







## Fairmont State University Hardway Hall Portico Renovations

Fairmont, West Virginia



Fairmont State University rehabilitated its administration building known as Hardway Hall. The portico and granite steps on the east (front) elevation were showing signs of structural failure most likely due to water intrusion and/or foundation settlement. In addition, aesthetic repairs were needed to rehabilitate historic elements of the building, such as masonry veneers, wrought iron railings, and terra cotta cornices.

### ***Hardway Hall is listed on the National Register of Historic Places***

*(Coordinated with the State Historic Preservation Office)*

**Owner:** Fairmont State University

**Principal-in-Charge & Design**

**Architect:** Paul W. Walker, AIA

**Project Manager:** Jonathan Perry, AIA, LEED<sup>AP</sup>

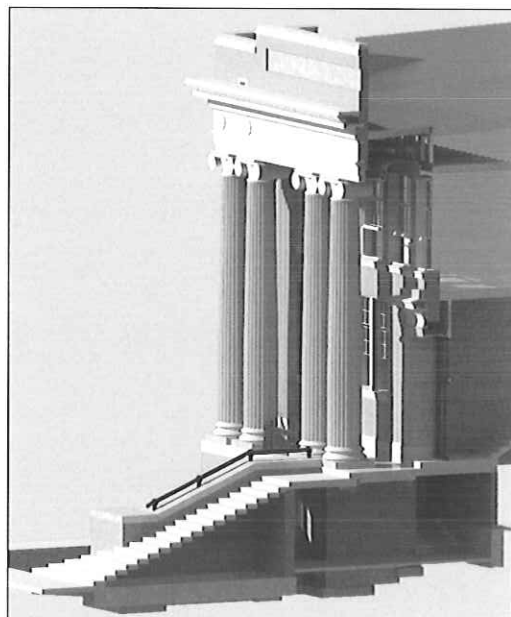
**Construction Administration:** Steve Konya, II

**Completion:** Fall 2010

**Cost:** \$333,200

**Delivery Type:** Design-Bid-Build

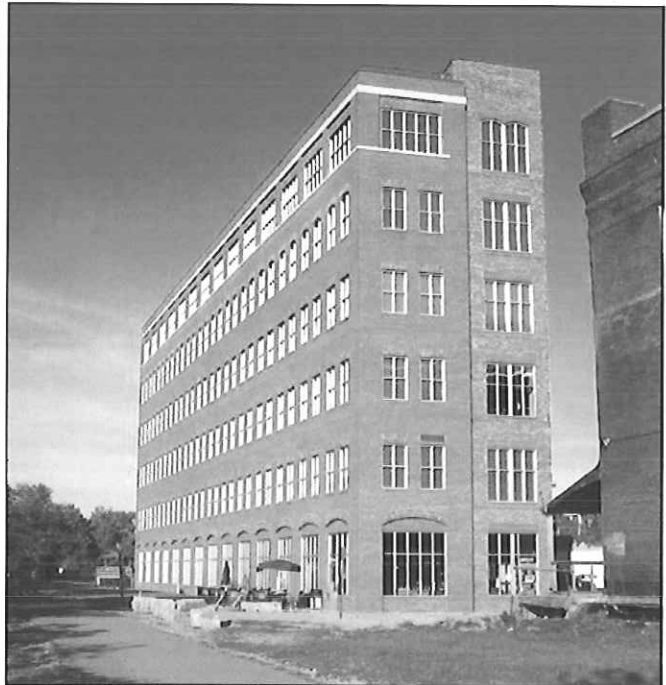
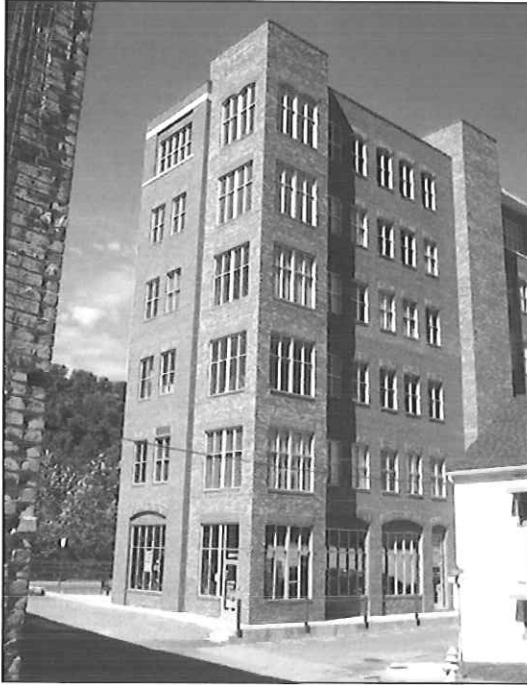
**Contractor:** Lombardi Development





## The Jackson Kelly Building

Morgantown, West Virginia



Designed to fit its historic context in the Wharf District, this office building houses multiple business tenants, including Jackson Kelly PLLC, DMJM Harris, Simpson & Osborne, MetLife, Luttner Financial, and National Biometric Security Project, with restaurant functions on the first floor.

*2003 Excellence in Construction Award from the Associated Builders & Contractors, Inc.*

**Owner:** Platinum Properties, LLC

**Design Architect:** Paul A. Walker, AIA

**Project Manager:** David H. Snider, AIA

**Project Architect:** Grant T. Gramstad, AIA

**Completed:** Spring 2002

**Cost:** \$4.5 Million (Shell)

**Size:** 50,000 Square Feet

**Delivery Type:** Design-Build-Negotiated

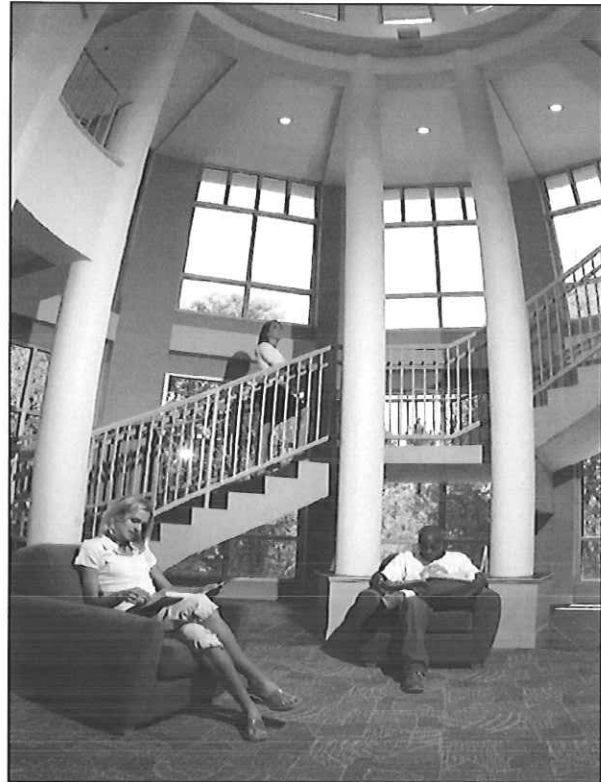
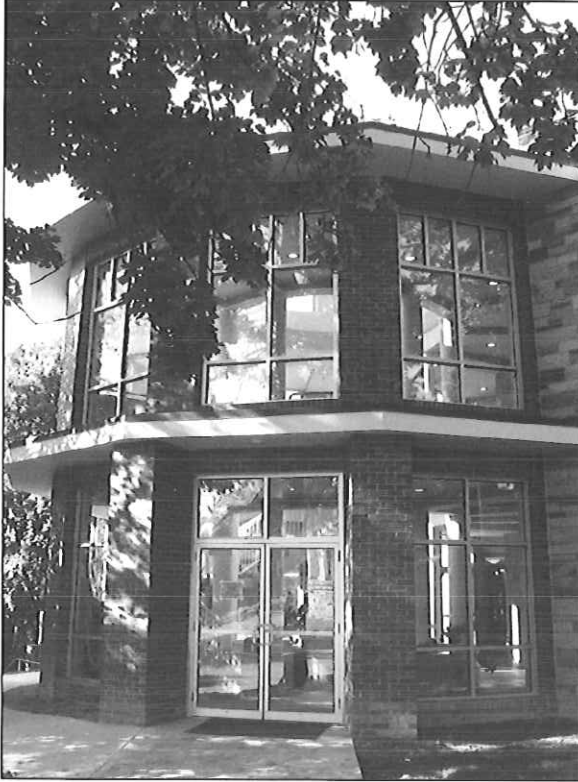
**Contractor:** The March-Westin Company





## Davis & Elkins College Madden Student Center

Elkins, West Virginia



A renovation of the existing Benedum Hall, which included the addition of this rotunda as a vertical transition element. The project includes a main dining hall, private dining rooms, a café, and the Madden Student Center. The Madden Student Center includes a game room, college bookstore, lounge, post office, and the college radio station.

*2004 Excellence in Construction Award from the Associated Builders & Contractors, Inc.*

**Owner:** Davis & Elkins College

**Design Architect:** Paul A. Walker, AIA

**Completed:** Summer 2003

**Cost:** \$1.5 Million

**Size:** 16,000 Square Feet

**Delivery Type:** Design-Build

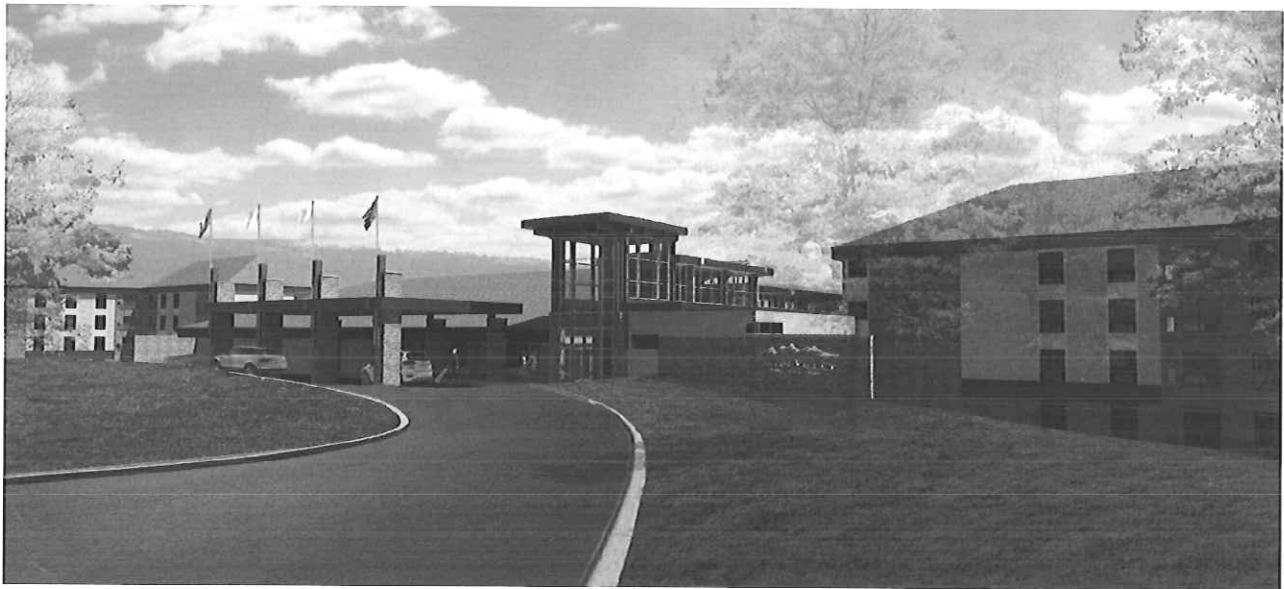
**Contractor:** March-Westin Company, Inc.





# Canaan Valley Resort State Park Renovations and Additions

Davis, West Virginia



Situated in one of the most scenic and tranquil settings in the Mid-Atlantic, with unlimited recreation and family-focused activities, Canaan Valley Resort is a four-season destination providing the perfect escape from the pressures of daily life. Fifteen miles long by three miles wide, Canaan Valley is the highest mountain valley east of the Rocky Mountains, with a base elevation of 3,100 feet. Canaan Valley Resort is nestled on a plateau overlooking the valley, offering sweeping views of the surrounding peaks. The construction/renovations will be administered in phases and will include the construction of two brand new guest wings (162 rooms) along with extensive refurbishing of the main lodge (where the front desk, meeting rooms, dining room, and indoor pool are located).

(Coordinated with the State Historic  
Preservation Office)

**Owner:** WV Division of Natural Resources

**Principal-in-Charge & Design**

**Architect:** Paul A. Walker, AIA

**Project Manager:** Paul A. Walker, AIA

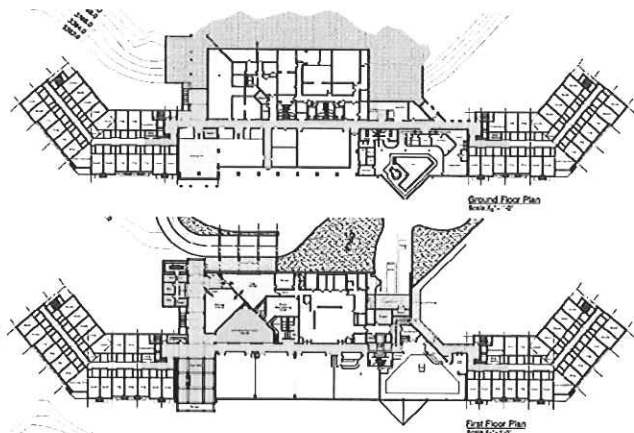
**Estimated Completion:** Fall 2013

**Cost:** \$25 Million

**Size:** 102,534 SF (addition); 64,993 (renovation)

**Delivery Type:** Design-Bid-Build

**Contractor:** Harbel, Inc.





# Cacapon Resort State Park Lodge Expansion

Berkeley Springs, West Virginia



Located in the eastern panhandle of West Virginia, Cacapon Resort State Park is available for both family vacations and business retreats, offering access to golf, lake, and camping activities. The facility functions as the main lodging and meeting center of the resort and offers a mix of hotel rooms and suites, and a conference center. The new addition provides an additional 79 guest rooms, swimming pools, new dining facilities and commercial kitchen, and a spa and fitness area. Additional renovations to the resort includes golf course upgrades, as well as water and wastewater treatment upgrades.

(Coordinated with the State Historic  
Preservation Office)

**Owner:** WV Division of Natural Resources

**Principal-in-Charge & Design**

**Architect:** Paul A. Walker, AIA

**Project Manager:** Jonathan Perry, AIA, LEED<sup>AP</sup>

**Estimated Completion:** TBD

**Cost:** \$22 Million

**Size:** 63,669 SF

**Delivery Type:** Design-Bid-Build

**Contractor:** TBD







## Camp Washington-Carver Performing Arts Stage & Support Building

Clifftop, West Virginia



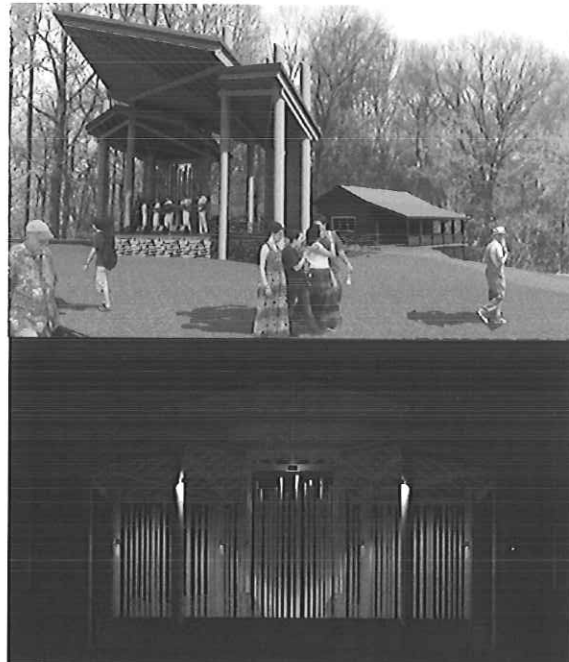
Camp Washington-Carver in Fayette County, WV, was opened in 1942 as a 4-H camp for African-Americans, the first of its kind in the nation. The Great Chestnut Lodge, built by the U. S. Works Progress Administration, was completed in the same year. It is a structure that was placed, along with the entire site, on the U. S. Secretary of the Interior's National Register of Historic Places in 1980. The two primary structures are: a) the permanent, performing arts stage and b) the support building which will house dressing rooms and storage for audio/video equipment.

***Great Chestnut Lodge  
is listed on the  
National Register of Historic Places***  
(Coordinated with the State Historic Preservation Office)

**Owner:** WV Division of Culture & History  
1900 Kanawha Boulevard East  
Charleston, WV 25305  
**Contact:** Randall Reid-Smith  
**Phone:** 304.558.0220

**Project Manager:** Paul A. Walker, AIA  
**Project Architect:** Todd Christopher, AIA

**Estimated Completion:** Fall 2012  
**Cost:** \$850,000  
**Size:** 853 SF (stage); 1,452 SF (support building)  
**Delivery Type:** Design-Build-Negotiated







## Glade Springs Resort Clubhouse Expansion

Daniels, West Virginia



A two story addition to the existing golf clubhouse at Glade Springs Resort. The lower level features men's and women's locker rooms, and the upper level houses the Bunkers Restaurant. Outdoor dining is offered on a large deck overlooking the golf course.

**Owner:** Glade Springs Resort

**Design Architect:** Paul A. Walker, AIA

**Completed:** Summer 2006

**Cost:** \$1.1 Million

**Size:** 6,500 Square Feet

**Delivery Type:** Design-Build

**Contractor:** Alliance Construction Management





## Glade Springs Resort and Conference Center

Daniels, West Virginia



Located in the Allegheny Mountains of West Virginia, this 48-room luxury hotel and conference center is available for both family vacations and business retreats, offering access to ski, spa, and golf activities. The facility is located on the site of the existing conference center and is connected to the existing commercial kitchen. The facility functions as the main lodging and meeting center of the resort and offers a mix of hotel rooms and suites, and an additional 4,100 square feet of ballroom and meeting space.

**Owner:** Glade Springs Resort

**Design Architect:** Paul A. Walker, AIA  
**Project Manager:** David H. Snider, AIA  
**Project Architect:** Grant T. Gramstad, AIA

**Completed:** Fall 2005  
**Cost:** \$6 Million  
**Size:** 48,500 Square Feet  
**Delivery Type:** Design-Build-Negotiated

**Contractor:** Alliance Construction Management





## United States Department of Energy Office of Legacy Management

West Virginia University Research Park, Morgantown, West Virginia



A new sustainable office and Records Storage Facility for the United States Department of Energy Office of Legacy Management which was awarded through a Design-Build Competition sponsored by the General Services Administration. This one story building includes 37,000 square feet of NARA Certified Records Storage space, including a 1,200 square foot Cold Room, and 23,000 square feet for administration. The administration portion includes both open and individual office space, several conference rooms, a wellness center, locker rooms, a data center, a public research area, and an area for receiving / processing.

**LEED Gold (Core & Shell)**

**LEED Gold (Commercial Interiors)**

**2010 Excellence in Construction by the Associated  
Builders & Contractors, Inc.—WV Chapter**

**Owner:** FD Partners, LLC

**Design Architect:** Paul A. Walker, AIA

**Project Manager:** Grant T. Gramstad, AIA

**Completed:** Fall 2009

**Cost:** \$8 Million (Shell)

**\$2.7 Million (Tenant Improvements)**

**Size:** approximately 60,000 Square Feet

**Delivery Type:** Design-Build-Negotiated

**Contractor:** dck North America, LLC





## The General Services Administration for the United States Department of Agriculture

Morgantown, West Virginia



Awarded through a Design-Build Competition sponsored by the General Services Administration. This facility houses five agencies of the USDA including: the Credit Union, Rural Development, Farm Services Administration, Natural Resource Conservation services, and the USDA Information Technology Services as well as a wellness center.

*This project is registered as a LEED Certified Building.*

**Owner:** Glenmark Holdings, LLC

**Design Architect:** Paul A. Walker, AIA  
**Project Manager:** David H. Snider, AIA

**Completed:** Summer 2009  
**Cost:** \$7.5 Million (Shell)  
**Size:** 36,000 Square Feet  
**Delivery Type:** Design-Build Competition

**Contractor:** The March-Westin Company



## References



**Mr. John Thompson**  
 Manager of Construction Services  
 West Virginia University  
 979 Rawley Avenue  
 Morgantown, WV 26506-4629  
 (304) 293-3625

*West  
 Virginia  
 University  
 Intermodal  
 Garage*



**Mr. G. Richard Lane II, AICP**  
 Petroplus Lane, LLC  
 150 Clay Street, Suite 200  
 Morgantown, WV 26501-5948  
 (304) 284-5000

*Waterfront  
 Place*



**Mr. Ron Selders**  
 Davis & Elkins College  
 100 Campus Drive  
 Elkins, WV 26241-3971  
 (304) 637-1900

*Davis  
 &  
 Elkins  
 College  
 Athletic  
 Center*



**Mr. Bradley S. Leslie, PE**  
 WV DNR, Parks and Recreation Section  
 324 Fourth Ave, Room 203  
 South Charleston, WV 25303  
 (304) 558-2764

*Waterfront  
 Marina  
 &  
 Boathouse  
 Bistro*



**Mr. Brian Johnson**  
 Bright Enterprises  
 for Glade Springs Resort  
 PO Box 460  
 Summersville, WV 26651-0460  
 (304) 872-3000 Ext. 219

*Glade  
 Springs  
 Clubhouse  
 Expansion*



**Mr. John Sommers**  
 WVU Facilities Management, Design &  
 Construction Services  
 PO Box 6572  
 Morgantown, WV 26506-6572  
 (304) 293-2856 office

*Chestnut  
 Ridge  
 Church*



**Mr. Tom Tucker**  
 Fairmont State University  
 1201 Locust Avenue  
 Fairmont, WV 26554-2470  
 (304) 367-4139

*Fairmont  
 State  
 University  
 Conference  
 Center*



Par·a·dlgm - (pär'e-dīm') *n.* An example that serves as



# Paul A. Walker, AIA

Principal-in-Charge | Design Architect



Mr. Walker has twenty-nine years of experience as an architect and received his registration in 1986. He became a business owner in October 2000 when he created Paradigm Architecture. Mr. Walker's design responsibilities include programming, development of construction documents, project management, and construction administration. Among the variety of projects he has designed and supervised are: commercial, corporate, educational, governmental, industrial, institutional, recreational, religious, and residential. The scope of projects ranges from a few thousand dollars to over 30 million dollars.

## Architectural Registration

NCARB

WV / AL / FL / IL / MS  
NC / PA / SC / VA / WI

## Education

University of Tennessee  
Knoxville, TN  
Bachelor of Architecture  
1982

## Professional, Civic and Other Activities

American Institute  
of Architects

Board Member  
Chestnut Ridge Church

**West Virginia University Foundation  
Visitor Center Museum Renovation  
Morgantown, WV**  
Completed: Spring 2012;  
Cost: \$1 Million

**Cacapon Resort State Park  
Lodge Expansion**  
Completed: TBD  
Cost: \$22 Million

**Fairmont State University  
Hardway Hall Portico Renovations  
Fairmont, West Virginia**  
Completed: Summer 2010  
Cost: \$333,200

**Canaan Valley Resort State Park  
Renovations & Additions  
Davis, West Virginia**  
Completed: Fall 2013  
Cost: \$25 Million

**United States Department of Energy  
Office of Legacy Management  
Records Storage Facility  
Morgantown, West Virginia**  
Completed: Summer 2009  
Cost: \$8 Million (Shell)

**Morgantown Event Center  
and Parking Garage  
Morgantown, West Virginia**  
Completion: Spring 2010  
Cost: \$26.3 Million

**Two Waterfront Place  
Hotel and Conference Center  
Morgantown, West Virginia**  
Completed: Summer 2003  
Cost: \$35 Million

**Camp Washington Carver Performing Arts  
Stage & Support Building  
Clifftop, West Virginia**  
Estimated Completion: Fall 2012  
Cost: \$850,000

**United States Department of Agriculture  
Morgantown, West Virginia**  
Completed: Summer 2009  
Cost: \$6.5 Million (Shell)

**Glade Springs Resort  
and Conference Center  
Daniels, West Virginia**  
Completed: Fall 2005  
Cost: \$6 Million

**Davis & Elkins  
Madden Student Center  
Elkins, West Virginia**  
Completed: Summer 2003  
Cost: \$1.5 Million

**Glade Springs Resort  
Clubhouse Expansion  
Daniels, West Virginia**  
Completed: Summer 2006  
Cost: \$1.1 Million

**West Virginia University  
Intermodal Garage  
Morgantown, West Virginia**  
Completed: Fall 2009  
Cost: \$14.5 Million

**The Jackson Kelly Building  
Morgantown, West Virginia**  
Completed: Spring 2002  
Cost: \$4.5 Million (Shell)

**Marina Tower  
Morgantown, West Virginia**  
Completed: Winter 2008  
Cost: \$10 Million (Shell)

# Jonathan L. Perry, AIA, LEED AP

## Project Manager



Mr. Perry's responsibilities have included development of construction documents and drawings, project management, marketing presentations, bidding procedures, construction administration, and creating renderings for clients using computer aided design programs. He has a combined thirteen years of experience in commercial and residential architecture and has been with Paradigm Architecture for the last eleven years. Project experience includes commercial, corporate, educational, governmental, healthcare, hospitality, industrial, institutional, recreational, and residential.

### Architectural Registration

#### NCARB

West Virginia / Alabama

### Education

University of Alabama  
at Birmingham  
Birmingham, AL

Master of Engineering  
in Construction Management  
2009

University of Tennessee,  
Knoxville, Tennessee  
Bachelor of Architecture, Cum  
Laude  
1999

Politechnika Krakowska  
Krakow, Poland  
Semester Abroad, 1998

### Professional, Civic and Other Activities

American Institute  
of Architects

LEED Accredited  
Professional

Construction Documents  
Technologist

Lecturer at University of  
Alabama at Birmingham

**Cacapon Resort State Park  
Lodge Expansion**  
Completed: TBD  
Cost: \$22 Million

**West Virginia University  
Downtown Student Housing  
Morgantown, West Virginia**  
Completed: Summer 2009  
Cost: \$15.3 Million

**Davis & Elkins College  
Athletic Center  
Elkins, West Virginia**  
Completed: Spring 2007  
Cost: \$5.5 Million

**Morgantown Event Center  
and Parking Garage  
Morgantown, West Virginia**  
Completion: Spring 2010  
Cost: \$26.3 Million

**Two Waterfront Place  
Hotel and Conference Center  
Morgantown, West Virginia**  
Completed: Summer 2003  
Cost: \$35 Million

**Fairmont State University  
Colebank Hall Renovations  
Fairmont, West Virginia**  
Completed: Winter 2007  
Cost: \$1.5 Million

**Glade Springs Resort  
Clubhouse Expansion  
Daniels, West Virginia**  
Completed: Summer 2006  
Cost: \$1.1 Million

**Fairmont State University  
Hunt Haught Hall Renovations  
Fairmont, West Virginia**  
Completed: 2008  
Cost: \$233,000

**Davis & Elkins  
Madden Student Center  
Elkins, West Virginia**  
Completed: Summer 2003  
Cost: \$1.5 Million

**Chestnut Ridge Church  
Morgantown, West Virginia**  
Completed: Fall 2006  
Cost: \$10 Million

**Glade Springs Resort  
and Conference Center  
Daniels, West Virginia**  
Completed: Fall 2005  
Cost: \$6 Million

**West Virginia University  
Mylan Puskar Stadium  
Touchdown Terrace Club Addition  
Morgantown, West Virginia**  
Completed: Fall 2007  
Cost: \$800,000

**Fairmont State University  
Colebank Hall Data Center Build-Out  
Fairmont, West Virginia**  
Completed: May 2007  
Cost: \$400,000

**West Virginia School of Osteopathic Medicine  
Master Plan  
Lewisburg, West Virginia**  
Estimated Completed: Winter 2010  
Cost: \$253,000

**Waterfront Master Plan  
Morgantown, West Virginia**  
Completed: Ongoing  
Cost: \$120+ Million

**Fairmont State University  
Hardway Hall Portico Renovations  
Fairmont, West Virginia**  
Completed: Summer 2010  
Cost: \$333,200

Par·a·dlgm - (pär'e-dīm') *n.* An example that serves as pattern or model.

# David H. Snider, AIA

## Specifications | Quality Control



Mr. Snider graduated from Auburn University with a degree in architecture and practiced in North Carolina before returning to his hometown of Birmingham, Alabama. He has spent the last eleven years of his twenty-eight year career with Paradigm Architecture. His responsibilities with Paradigm Architecture have included project management, construction documents, contract administration, and writing specifications. Project experience includes educational, healthcare, churches, libraries, schools, historic office buildings, airports, and commercial facilities.

### Architectural Registration

NC

AL—Pending

### Education

Auburn University  
Auburn, Alabama  
Bachelor of Architecture  
1984

Roofing Technology  
The Roofing Industry  
Educational Institute  
1995

### Professional, Civic and Other Activities

American Institute  
of Architects

**West Virginia University Foundation  
Visitor Center Museum Renovation  
Morgantown, WV**  
Completed: Spring 2012;  
Cost: \$1 Million

**Cacapon Resort State Park  
Lodge Expansion**  
Completed: TBD  
Cost: \$22 Million

**Fairmont State University  
Hardway Hall Portico Renovations  
Fairmont, West Virginia**  
Completed: Summer 2010  
Cost: \$333,200

**Canaan Valley Resort State Park  
Renovations & Additions  
Davis, West Virginia**  
Completed: Fall 2013  
Cost: \$25 Million

**United States Department of Energy  
Office of Legacy Management  
Records Storage Facility  
Morgantown, West Virginia**  
Completed: Summer 2009  
Cost: \$8 Million (Shell)

**Morgantown Event Center  
and Parking Garage  
Morgantown, West Virginia**  
Completion: Spring 2010  
Cost: \$26.3 Million

**Two Waterfront Place  
Hotel and Conference Center  
Morgantown, West Virginia**  
Completed: Summer 2003  
Cost: \$35 Million

**Camp Washington Carver Performing Arts  
Stage & Support Building  
Clifftop, West Virginia**  
Estimated Completion: Fall 2012  
Cost: \$850,000

**United States Department of Agriculture  
Morgantown, West Virginia**  
Completed: Summer 2009  
Cost: \$6.5 Million (Shell)

**Glade Springs Resort  
and Conference Center  
Daniels, West Virginia**  
Completed: Fall 2005  
Cost: \$6 Million

**Davis & Elkins  
Madden Student Center  
Elkins, West Virginia**  
Completed: Summer 2003  
Cost: \$1.5 Million

**Glade Springs Resort  
Clubhouse Expansion  
Daniels, West Virginia**  
Completed: Summer 2006  
Cost: \$1.1 Million

**West Virginia University  
Intermodal Garage  
Morgantown, West Virginia**  
Completed: Fall 2009  
Cost: \$14.5 Million

**The Jackson Kelly Building  
Morgantown, West Virginia**  
Completed: Spring 2002  
Cost: \$4.5 Million (Shell)

**Marina Tower  
Morgantown, West Virginia**  
Completed: Winter 2008  
Cost: \$10 Million (Shell)

# Grant T. Gramstad, AIA

## Project Architect



Mr. Gramstad has nineteen years of experience in the design industry as an architect. He is one of the founding members of Paradigm Architecture. Located in the Birmingham office, his experience includes multiple higher education clients, including West Virginia University, Fairmont State University, and the WV School of Osteopathic Medicine. He recently completed working on the West Virginia Foundation Visitor Center Museum renovation. His roles have included project management, design, and supervision of all project sizes. Project experience includes commercial, corporate, educational, governmental, healthcare, industrial, institutional, recreational, and residential.

### Architectural Registration

Alabama

### Education

Tulane University  
New Orleans, Louisiana  
Master of Architecture  
2004

Tulane University  
New Orleans, Louisiana  
Bachelor of Architecture  
Salutatorian, 1993

University of Bath  
Bath, England  
Junior Year Abroad  
1991-1992

### Professional, Civic and Other Activities

American Institute  
of Architects

Certified Construction  
Contract Administrator

United States Department of Energy  
Office of Legacy Management  
Records Storage Facility  
Morgantown, West Virginia  
Completed: Summer 2009  
Cost: \$8 Million (Shell)

Two Waterfront Place  
Hotel and Conference Center  
Morgantown, West Virginia  
Completed: Summer 2003  
Cost: \$35 Million

Russell Medical Center  
Professional Office Building #3  
Alexander City, Alabama  
Completed: Spring 2004  
Cost: \$4.1 Million

Benjamin Russell High School  
Addition and Renovations  
Valley, Alabama  
Estimated Completion: 2010  
Cost: \$2.5 Million

Morgantown Event Center  
and Parking Garage  
Morgantown, West Virginia  
Completion: Spring 2010  
Cost: \$26.3 Million

Shonos Japanese Restaurant  
Hoover, Alabama  
Completed: Summer 2007  
Cost: \$300,000

West Virginia University  
Downtown Student Housing  
Morgantown, West Virginia  
Completed: Summer 2009  
Cost: \$15.3 Million

West Virginia University Foundation  
Visitor Center Museum Renovation  
Morgantown, WV  
Completed: Spring 2012;  
Cost: \$1 Million

Glade Springs Resort  
and Conference Center  
Daniels, West Virginia  
Completed: Fall 2005  
Cost: \$6 Million

Mountaintop Community Church  
Family Life Center  
Vestavia Hills, Alabama  
Completed: Fall 2009  
Cost: \$2.5 Million

Marina Tower  
Morgantown, West Virginia  
Completed: Winter 2008  
Cost: \$10 Million (Shell)

Fairmont State University  
Parking Facility  
Fairmont, West Virginia  
Completed: Spring 2004  
Cost: \$10 Million

Waterfront Marina  
and Boathouse Bistro  
Morgantown, West Virginia  
Completed: Summer 2007  
Cost: \$4.2 Million

The Jackson Kelly Building  
Morgantown, West Virginia  
Completed: Spring 2002  
Cost: \$4.5 Million (Shell)

# Steve Konya II

## Contract Administration



Mr. Konya's responsibilities have included development of construction drawings and documents, construction administration, project management tasks, marketing, and photography. He has a combined sixteen years of experience in commercial architecture and has been with Paradigm Architecture for six years. Project types have included commercial, corporate, educational, hospitality, institutional, and retail.

### Education

Fairmont State College  
Fairmont, West Virginia  
Bachelor of Science  
in Engineering Technology  
1996

### Professional, Civic and Other Activities

Professional Photographers  
of West Virginia

**West Virginia University Foundation  
Visitor Center Museum Renovation  
Morgantown, WV**  
Completed: Spring 2012;  
Cost: \$1 Million

**West Virginia University  
Intermodal Garage  
Morgantown, West Virginia**  
Completed: Fall 2009  
Cost: \$14.5 Million

**Fairmont State University  
Hardway Hall Portico Renovations  
Fairmont, West Virginia**  
Completed: Summer 2010  
Cost: \$333,200

**West Virginia University  
Mylan Puskar Stadium  
Touchdown Terrace Club Addition  
Morgantown, West Virginia**  
Completed: Fall 2007  
Cost: \$800,000

**Cacapon Resort State Park  
Lodge Expansion**  
Completed: TBD  
Cost: \$22 Million

**United States Department of Energy  
Office of Legacy Management  
Records Storage Facility  
Morgantown, West Virginia**  
Completed: Summer 2009  
Cost: \$8 Million (Shell)

**Morgantown Event Center  
and Parking Garage  
Morgantown, West Virginia**  
Completed: Spring 2010  
Cost: \$26.3 Million

**Fairmont State University  
Conference Center & Classroom Fitup  
Fairmont, West Virginia**  
Completed: Fall 2006  
Cost: \$770,000

**West Virginia University  
Downtown Student Housing  
Morgantown, West Virginia**  
Completed: Summer 2009  
Cost: \$15.3 Million

**Waterfront Marina  
and Boathouse Bistro  
Morgantown, West Virginia**  
Completed: Summer 2007  
Cost: \$4.2 Million

**United States Department of Agriculture  
Morgantown, West Virginia**  
Completed: Summer 2009  
Cost: \$6.5 Million (Shell)

**Marina Tower  
Morgantown, West Virginia**  
Completed: Winter 2008  
Cost: \$10 Million (Shell)

**Glade Springs Resort Clubhouse  
Daniels, West Virginia**  
Completed: Fall 2005  
Cost: \$6 Million

**WV Fairmont State University  
Colebank Hall Renovations  
Fairmont, West Virginia**  
Completed: Winter 2007  
Cost: \$1.5 Million

**Fairmont State University  
Hunt Haught Hall Renovations  
Fairmont, West Virginia**  
Completed: 2008  
Cost: \$233,000

**Canaan Valley Resort State Park  
Renovations & Additions  
Davis, West Virginia**  
Completed: Fall 2013  
Cost: \$25 Million

Par-a-digm - (pär'e-dīm') *n.* An example that serves as pattern or model.



# riggs ward

BOB RIGGS

PRINCIPAL/CREATIVE DIRECTOR

As Principal and Creative Director of Riggs Ward Design (RWD), Mr. Riggs provides input on all aspects of the design process. He has a strong background in conceptualizing, designing, producing, and supervising large and small-scale exhibit and graphic design projects.

Mr. Riggs has designed exhibits for some of the nation's most respected organizations, including the Smithsonian Institution, the Library of Congress, the Department of the Interior, and the Colonial Williamsburg Foundation. He has also won numerous awards and provides in-class critiques to students of Virginia Commonwealth University's design program.

## SELECT RWD EXPERIENCE

### EXHIBITIONS

**Hampton History Museum**

**LBJ Presidential Library and the Briscoe Center at the University of Texas at Austin:**

*Cronkite: Eyewitness to A Century*

**Library of Congress:**

*Churchill and the Great Republic*

*From the Home Front and the Front Lines*

*New Visitor Experience*

*The Last Full Measure: Civil War Photographs from the Liljenquist Collection*

**Museum of the Confederacy Appomattox: Permanent Exhibit**

**National Library of Medicine:**

*Life and Limb: The Toll of the American Civil War*

**National Park Service: Richmond National Battlefields**

**St. Charles County Heritage Museum**

**University of Virginia Special Collections Library:**

*Flowerdew Hundred: Unearthing Virginia's History*

*Best Sellers: Popular Fiction in America*

**Valentine Richmond History Center:**

*War is Hell*

**Virginia Historical Society: Virginians at Work**

**Virginia Museum of Fine Arts: Fabergé Revealed**

**Woodrow Wilson Presidential Museum and Library:**

*Hinge to the 20th Century*

*World War I: The Doughboy War*

### INTERPRETIVE SIGNS

**Civil War Interpretive Center at Historic Blenheim**

**Currituck Heritage Park: Whalehead Club**

**Pamplin Historical Park**

**Wlcomico County, MD Recreation, Parks and Tourism:**

*Pemberton Historical Park*

### MASTER PLANS

**Atlanta History Center**

**Library of Congress: New Visitor Experience**

**Smithsonian Institution: Oceans Hall Conceptual Design**

### MOBILE EXHIBITIONS

**Library of Congress: Gateway to Knowledge**

**Virginia Historical Society:**

*Virginia Civil War 150 HistoryMobile*

### TRAVELING EXHIBITIONS

**Magna Carta and Four Foundations of Freedom:**

*Contemporary Art Center of Virginia*

*Fraunces Tavern*

### Virginia Historical Society:

*An American Turning Point: The Civil War in Virginia*

**With Malice to None: The Abraham Lincoln Bicentennial Exhibit:**

*Atlanta History Center*

*Library of Congress (primary sponsor)*

### VISITOR CENTERS

**County of Henrico:**

*Three Lakes Park Nature Center and Aquarium*

**North Carolina Dept. of Environment and Natural Resources:**

*Outer Banks Center for Wildlife Education*

**North Carolina Division of Parks and Recreation:**

*Merchants Millpond State Park*

*Raven Rock State Park*

**South Carolina National Heritage Corridor:**

*Region II: Discovery Center*

*Region III: Discovery Center and Retail Area*

**U.S. Department of Agriculture, National Forest Service:**

*James R. Wilkins CCC Visitor Center*

### PREVIOUS EXPERIENCE

While with other exhibit design firms, Mr. Riggs worked as Senior Designer and/or Exhibits Manager on the following exhibit projects:

*Colonial Williamsburg: Rockefeller Library*

*Historic Charleston Foundation:*

*Charleston County Courthouse*

*Library of Congress: Rome Reborn*

*Library of Virginia: The Commonwealth*

*Virginia Museum of Fine Arts: Fabergé in America*

### EDUCATION AND HONORS

Mr. Riggs earned his Bachelor of Fine Arts, with a concentration in communication and design, from Virginia Commonwealth University. He has received numerous awards, including the Washington Book Publishers Design Award, Print Casebooks: Best in Exhibition Design, the Potlach Award of Merit, and the American Association of Museums – Publication Design.

## **riggs ward**

### **BRENT WARD**

#### **PRINCIPAL/MANAGING DIRECTOR**

As RWD's Managing Director, Mr. Ward works closely with the design staff to plan, develop, and supervise projects. With a background in museum interpretation and conservation, he helps the design staff conceptualize themes and consults on staff needs, management, product development, conservation techniques, and materials. He also prepares content flowcharts, planning aids, and is adept at integrating new technologies into traditional design techniques.

#### **SELECT RWD EXPERIENCE EXHIBITIONS**

##### **Hampton History Museum**

##### **LBJ Presidential Library and the Briscoe Center at the University of Texas at Austin:**

*Cronkite: Eyewitness to A Century*

##### **Library of Congress:**

*Churchill and the Great Republic*

*From the Home Front and the Front Lines*

*Exploring the Early Americas*

*Life of the People*

*The Last Full Measure: Civil War Photographs from  
the Liljenquist Collection*

##### **National Park Service: Richmond National Battlefields**

##### **North Myrtle Beach Historical Museum (in development)**

##### **University of Virginia Special Collections Library:**

*Flowerdew Hundred: Unearthing Virginia's History*

*Best Sellers: Popular Fiction in America*

##### **Valentine Richmond History Center:**

*War is Hell*

##### **Virginia Historical Society: Virginians at Work**

##### **Woodrow Wilson Presidential Museum and Library:**

*Hinge to the 20th Century*

*World War I: The Doughboy War*

#### **INTERPRETIVE SIGNS**

##### **Civil War Interpretive Center at Historic Blenheim**

##### **Currituck Heritage Park: Whalehead Club**

##### **Pamplin Historical Park**

##### **Shreveport Bossier Convention and Visitors Bureau:**

*Northwest Byway Interpretive Signage*

##### **University of Arkansas - Fort Smith:**

*Drennen - Scott House*

##### **Wicomico County, MD Recreation, Parks and Tourism:**

*Pemberton Historical Park*

#### **MASTER PLANS**

##### **Atlanta History Center**

##### **Appomattox Court House National Park**

##### **Kennecott Mines National Historic Landmark**

##### **Library of Congress: New Visitor Experience**

##### **National Building Museum: Designing for Disaster**

##### **National Museum Rt. 6 Museum**

##### **Shenandoah Battlefields National Historic District**

##### **Smithsonian Institution: Oceans Hall Conceptual Design**

##### **Valentine Richmond History Center: This is Richmond**

#### **MOBILE EXHIBITIONS**

##### **Virginia Historical Society:**

*Virginia Civil War 150 HistoryMobile*

#### **TRAVELING EXHIBITIONS**

##### **Virginia Historical Society:**

*An American Turning Point: The Civil War in Virginia*

##### **With Malice to None: The Abraham Lincoln**

**Bicentennial Exhibit:**

*Atlanta History Center*

*Library of Congress (primary sponsor)*

#### **VISITOR CENTERS**

##### **North Carolina Division of Parks and Recreation:**

*Merchants Millpond State Park*

*Raven Rock State Park*

##### **Ohio Division of Natural Resources:**

*Old Woman Creek State Nature Preserve*

##### **South Carolina National Heritage Corridor:**

*Region II: Discovery Center*

*Region III: Discovery Center and Retail Area*

*Region IV: Mobile Application*

#### **PREVIOUS EXPERIENCE**

While at the Virginia Historical Society, Mr. Ward worked with the collections staff to catalog and conserve the Society's rare collection of photographs and glass plate negatives. He also worked at the Valentine Museum, assisting with the development and interpretation of the Wickham House and providing site interpretation of the following subjects:

*African-Americans in 19th Century Richmond*

*The Powhatan Tribes*

*Richmond's Hollywood Cemetery*

*Richmond: Capitol of the Confederacy*

#### **EDUCATION AND HONORS**

Mr. Ward holds a Bachelor of Arts from Ohio State University and a Master of Arts from the University of Richmond. He graduated Phi Alpha Theta and holds memberships in the American Association of Museums, the Southeastern Museums Conference, and the Virginia Association of Museums. Mr. Ward also provides pro bono consulting and design services to the Association for the Preservation of Virginia Antiquities (APVA) and the Virginia Association of Museums (VAM).

## riggs ward

### MICHAEL RADTKE

#### SENIOR EXHIBITION DESIGNER

Mr. Radtke brings many years of exhibit design experience to every project. His design detailing and architectural education complement the Creative Director's skill set to give each client an array of graphic and three-dimensional knowledge and experience to utilize. Mr. Radtke is a skilled user of Vectorworks and AutoCAD programs. He is responsible for the production of conceptual and working drawings for exhibit fabrication, project management, and the coordination of production scheduling.

#### SELECT RWD EXPERIENCE

##### EXHIBITIONS

###### Hampton History Museum

###### LBJ Presidential Library and the Briscoe Center at the

University of Texas at Austin:

*Cronkite: Eyewitness to A Century*

###### Library of Congress:

*Churchill and the Great Republic*

*Exploring the Early Americas*

*From the Home Front and the Front Lines*

*New Visitor Experience*

*The Last Full Measure: Civil War Photographs from the Liljenquist Collection*

###### National Park Service: Richmond National Battlefields

###### University of Virginia Special Collections Library:

*From Out That Shadow: The Life & Legacy of*

*Edgar Allen Poe*

*Flowerdew Hundred: Unearthing Virginia's History*

*Best Sellers: Popular Fiction in America*

###### Valentine Richmond History Center:

*War is Hell*

###### Virginia Historical Society: Virginians at Work

###### Virginia Museum of Fine Arts: Fabergé Revealed

###### Woodrow Wilson Presidential Museum and Library:

*Hinge to the 20th Century*

*World War I: The Doughboy War*

#### INTERPRETIVE SIGNS

###### Civil War Interpretive Center at Historic Blenheim

###### Currituck Heritage Park: Whalehead Club

###### Maymont Foundation Nature Center

###### Pamplin Historical Park

###### Shreveport Bossier Convention and Visitors Bureau:

*Northwest Byway Interpretive Signage*

#### MASTER PLANS

###### Atlanta History Center

###### Appomattox Court House National Park

###### Library of Congress: New Visitor Experience

###### Smithsonian Institution: Oceans Hall Conceptual Design

###### Valentine Richmond History Center: *This is Richmond*

#### MOBILE EXHIBITIONS

###### Virginia Historical Society:

*Virginia Civil War 150 HistoryMobile*

#### TRAVELING EXHIBITIONS

###### Magna Carta and Four Foundations of Freedom:

*Contemporary Art Center of Virginia*

*Fraunces Tavern*

###### With Malice to None: The Abraham Lincoln Bicentennial

###### Exhibit:

*Atlanta History Center*

*Library of Congress (primary sponsor)*

#### VISITOR CENTERS

###### County of Henrico:

*Three Lakes Park Nature Center and Aquarium*

###### North Carolina Dept. of Environment and Natural Resources:

*Outer Banks Center for Wildlife Education*

###### North Carolina Division of Parks and Recreation:

*Merchants Millpond State Park*

*Raven Rock State Park*

###### Ohio Division of Natural Resources:

*Old Woman Creek State Nature Preserve*

###### South Carolina National Heritage Corridor:

*Region II: Discovery Center*

*Region III: Discovery Center and Retail Area*

###### U.S. Department of Agriculture, National Forest Service:

*James R. Wilkins CCC Visitors Center*

#### PREVIOUS EXPERIENCE

While at other firms, Mr. Radtke has worked as a senior level designer on all aspects of schematic design, design development, construction documents and specifications, contract bidding and negotiation, construction administration, budget preparation, artifact mount making, and exhibit installation. Prior experience includes:

**Colonial Williamsburg Foundation**

**El Portal Tropical Visitor Center, El Portal, Puerto Rico**

**John F. Kennedy Presidential Library and Museum**

**International Bluegrass Music Museum**

#### EDUCATION AND HONORS

Mr. Radtke holds an Master of Arts in Architecture from the State University of New York at Buffalo and a Bachelor of Science in Professional Photography from the Rochester Institute of Technology.

## riggs ward

WILLIAM PINHOLSTER  
SENIOR GRAPHIC DESIGNER

Mr. Pinholster is an accomplished graphic designer who first worked with RWD as an intern while in graduate school. He is now our senior graphic designer and has a skill set that includes proficiency in Adobe Creative Suite 5.5, Quark Xpress, HTML/CSS, Flash, Silk-screening, Letterpressing, and Woodblocking.

### SELECT RWD EXPERIENCE

#### EXHIBITIONS

**Historic Christ Church**

**LBJ Presidential Library and the Briscoe Center at the  
University of Texas at Austin:**

*Cronkite: Eyewitness to A Century*

**Library of Congress:**

*Creating the United States*

*Exploring the Early Americas*

*New Visitor Experience*

*The Last Full Measure: Civil War Photographs from  
the Liljenquist Collection*

**Museum of the Confederacy Appomattox: Permanent Exhibit**

**National Library of Museum:**

*The Henkel Physicians: A Family's Life in Letters*

*Within These Walls: Contraband Hospital and the  
African Americans Who Worked There*

**St. Charles County Parks and Recreation Department:**

*St. Charles County Heritage Museum*

**University of Virginia Special Collections Library:**

*From Out That Shadow: The Life & Legacy of  
Edgar Allen Poe*

*From Village to Grounds: Architecture After  
Thomas Jefferson*

**Valentine Richmond History Center:**

*War is Hell*

**Virginia Museum of Fine Arts: Fabergé Revealed**

**Woodrow Wilson Presidential Museum and Library:**

*World War I: The Doughboy War*

#### INTERPRETIVE SIGNS

**Civil War Interpretive Center at Historic Blenheim**

**Maymont Foundation Nature Center**

**Shreveport Bossler Convention and Visitors Bureau:**

*Northwest Byway Interpretive Signage*

#### MOBILE EXHIBITIONS

**Library of Congress: Gateway to Knowledge**

**Virginia Historical Society:**

*Virginia Civil War 150 HistoryMobile*

#### TRAVELING EXHIBITIONS

**Department of Arkansas Heritage:**

*Dunbar High School Exhibit*

**Magna Carta and Four Foundations of Freedom:**

*Contemporary Art Center of Virginia*

*Fraunces Tavern*

**With Malice to None: The Abraham Lincoln Bicentennial  
Exhibit:**

*Atlanta History Center*

*Library of Congress (primary sponsor)*

#### MASTER PLANS

**Atlanta History Center**

**Library of Congress: New Visitor Experience**

**National Building Museum: Designing for Disaster**

**Smithsonian Institution: Oceans Hall Conceptual Design**

#### VISITOR CENTERS

**County of Henrico:**

*Three Lakes Park Nature Center and Aquarium*

**National Forest Service:**

*James R. Wilkins CCC Visitors Center*

**North Carolina Division of Parks and Recreation:**

*Merchants Millpond State Park*

*Raven Rock State Park*

**Ohio Division of Natural Resources:**

*Old Woman Creek State Nature Preserve*

**Virginia Department of Conservation and Recreation:**

*Shenandoah River State Park*

#### PREVIOUS EXPERIENCE

While in graduate school at Virginia Commonwealth University, Mr. Pinholster served as an adjunct professor in the Department of Graphic Design, and also provided design services to the school's Graphics Lab. Additionally, he has designed packaging and layout for Roman Candle Record's musician, Adam Reid and Floodgate Record's band, Bernard. He also designed the cover for the book, *Western Esotericism in Russian Silver Age Drama*, New Grail Press.

#### EDUCATION AND HONORS

Mr. Pinholster earned his Bachelor of Arts in Graphic Design with Minors in Fine Art and Art History from Flagler College. He also holds a Master of Fine Arts in Design and Visual Communication from Virginia Commonwealth University.

## riggs ward

### BETH ROACH

#### INTERPRETIVE PLANNER

Every project needs to communicate targeted messages in the most cost effective way. As an interpretive planner, Ms. Roach can aid your organization in the decision making process that will blend your management needs and resource considerations with visitor needs and desires.

#### SELECT RWD EXPERIENCE

##### EXHIBITIONS IN DEVELOPMENT

**City of Bethlehem, PA:** *Bethlehem Visitor Center*

**City of Niagara Falls, NY:**

*Underground Railroad Interpretive Center*

**Dorchester County Department of Tourism:**

*Harriet Tubman Underground Railroad Byway*

**North Carolina Department of Cultural Resources:**

*Roanoke Island Festival Park*

**Ohio Division of Natural Resources:**

*Old Woman Creek State Nature Preserve*

**Valentine Richmond History Center:**

*This is Richmond*

#### PREVIOUS EXPERIENCE

##### Jamestown 2007:

*Community Program Intern, 2004 - 2005*

**Jamestown Settlement and Yorktown Victory Center:**

*Outreach Education Instructor, 2005 - 2006*

##### Virginia State Parks:

**Chippokes Plantation State Park:**

*Docent, 2002 - 2003*

*Summer Interpreter, 2005*

**Pocahontas State Park,**

**Civilian Conservation Corps Museum:**

*Conservation Intern - Curator, 2006*

**Chippokes Plantation State Park:**

*Park Ranger Interpreter, 2007 - 2008*

*Chief Ranger Interpreter, 2008 - 2011*

**Central Office:**

*Environmental Program Manager, 2009 - 2011*

Facilitated visitor experience and long range  
interpretive planning workshops for:

Chippokes Plantation State Park

False Cape State Park

James River State Park

Kiptopeke State Park

Leesylvania State Park

Shenandoah River State Park

Smith Mountain Lake State Park

Staunton River Battlefield State Park

Westmoreland State Park

#### PRO BONO WORK

**Nottoway Indian Tribe of Virginia, Inc.:**

*Tribal Councilwoman, 2010 - present*

*Project Director, VFH Grant 2012 - present*

**Surry County Historical Society and Museums, Inc.:**

*Intern, Summer 2003*

*Board of Directors, 2008 - 2010*

*Vice-President, 2008 - 2010*

**Western Tidewater Regional Council for the**

**Virginia Foundation for the Humanities: 2009 - present**

#### EDUCATION AND HONORS

Ms. Roach holds a Bachelor of Arts in History with a concentration in Public History from James Madison University. She has been recognized for outstanding customer service numerous times, and she received an Acknowledgement for Extraordinary Contributor for her interpretive work with Virginia State Parks. In 2010, the Nottoway Indian Tribe of Virginia elected Ms. Roach to the Tribal Council.



## **riggs ward**

### **ERIC VETTERICK**

#### **INTERACTIVE & WEB DEVELOPER**

Mr. Vetterick is an experienced interactive and web developer with the capability to design and develop interactive multimedia exhibits from initial concept to final installation, including touch-screen kiosks and websites.

#### **RWD EXHIBITS**

James Madison's Montpelier  
Museum of the Confederacy - Appomattox  
Old Woman Creek State Nature Preserve  
Virginia Tech

#### **PRIOR RWD EXHIBITS EXPERIENCE**

Carmax  
Museum of Infantry  
National Museum of American Indian  
NBC  
North Carolina Museum of History  
Old Dominion University  
Pamplin Park  
Ronald Reagan Library  
University of Richmond  
University of Virginia  
Virginia Historical Society

#### **INTERACTIVE**

Adobe Flash application and web development with  
Actionscript 2/3, third party extensions  
Adobe Director with extensive Lingo scripting  
Access  
Database connectivity, Shockwave  
Flash Video  
E-Learning software packages, Articulate, Outstart  
Evolution, Toolbook, Captivate, Camtasia  
Dreamweaver, Frontpage, hand coded HTML, CSS, PHP,  
MySQL, FTP, web technologies  
Adobe Photoshop and variety of graphics software, DXF, 3D  
Studio Max, Caligari TrueSpace  
Microsoft Access and Microsoft Office  
Final Cut, Sony Vegas, Adobe Premiere video  
editing applications

#### **ACADEMIC**

Blackboard administration and implementation  
Banner and BannerWeb  
SurveySuite  
Macintosh and Windows systems, Smartboard, PC  
Hardware/Peripherals/Drivers  
Firewire, USB, IDE, SATA drive technologies

#### **AUDIO VIDEO AND MUSIC PRODUCTION**

Quicktime  
REAL media  
Windows Media  
Flash video  
Digital and analog mixers and professional audio hardware  
DVD and CD authoring tools  
Music production equipment and sound effect libraries

#### **PREVIOUS EXPERIENCE**

##### **Old Dominion University:**

*Instructional Technologist, 2007 - 2011*

##### **Self-Employed Consultant:**

*Developer, Media Production 2001 - Present*

##### **ByteJam: Software/Web Developer 2004 - 2005**

##### **University of Richmond:**

*Academic Technology Consultant 2002 - 2004*

##### **Gameland/Lottery.com:**

*Cincinnati, Ohio and Richmond, VA 2000 - 2001*

##### **IXL Enterprises/Tekna Systems Group:**

*Richmond, VA 1995 - 2001*

##### **Discovery Software "Word Tales":**

*Partner and Developer 1995*

##### **Virginia Commonwealth University:**

*Adjunct Faculty, 1987 - 1988*

##### **BES Teleproductions: 1984 - 1995**

#### **EDUCATION**

Mr. Vetterick holds a Bachelor of Science in Communication Arts from James Madison University.

## **riggs ward**

### **KELLEY WHITE**

#### **EXHIBITION DESIGNER**

Ms. White's design detailing and architectural education complement the Creative Director's skill set to give each client an array of graphic and three-dimensional knowledge and experience. Ms. White is a skilled user of Vectorworks and AutoCAD programs.

#### **SELECT RWD EXPERIENCE**

##### **EXHIBITION**

**Virginia Museum of Fine Arts: *Fabergé Revealed***

##### **EXHIBITIONS IN DEVELOPMENT**

**City of Bethlehem, PA: Bethlehem Visitor Center**

**Museum of the Confederacy Appomattox: Permanent Exhibit**

**Library of Congress:**

*Civil War in America*

*Words Like Sapphires*

**National Park Service: Richmond National Battlefields**

**North Myrtle Beach Historical Museum**

**Ohio Department of Natural Resources:**

*Old Woman Creek State Nature Preserve*

**Roanoke Island Festival Park**

**Samuel Rayburn Library and Museum**

**St. Charles Heritage Center**

**West Virginia University: Visitor Center**

#### **PREVIOUS EXPERIENCE**

**Virginia Commonwealth University:**

Graduate Teaching Assistantships, 2009 - 2011

1509 Main Gallery - Exhibition Coordinator

Technician for Arts Foundation - Woodshop Instructor

**Marc English Design:**

Graphic Design Intern, May 2010 - August 2012

**Chatelain Architects:**

Architectural Intern, June 2008 - July 2009

**Bower Lewis Thrower Architects:**

Architectural Intern, June 2007 - June 2008

**MulvannyG2 Architecture:**

Architectural Intern, June 2006 - August 2006

#### **EDUCATION AND HONORS**

Ms. White earned her Bachelor of Architecture from Virginia Tech and a Master of Fine Arts focused in Design/Visual Communications from Virginia Commonwealth University.



## Mary Ruffin Hanbury

Principal Mary Ruffin Hanbury is actively involved in every project undertaken by Hanbury Preservation Consulting. With a broad preservation background, she is involved in preservation planning, heritage tourism and strategic planning projects and is particularly adept at creating publications and solutions that meet sophisticated needs while remaining accessible to a diverse audience. Ms Hanbury meets the qualifications for architectural historian under 36 CFR 61.

### Selected Project experience with Hanbury Preservation Consulting

Fort Monroe Reuse Plan  
Fort Monroe Historic Preservation Standards  
African American Heritage Tourism Plan for Natchez, Mississippi  
Southern Pines, North Carolina Historic District Survey Update  
Cary, North Carolina Preservation Plan  
New Jersey Statewide Heritage Tourism Plan  
Preservation Kentucky Board Training  
Transportation Compliance Projects, Virginia

### Previous experience

With the **North Carolina Historic Preservation Office (HPO)**, Mary Ruffin was the primary point of contact between the HPO and local government preservation programs. She reviewed and provided comments on all local designation reports and preservation plans, guidelines and ordinances. She also,

- Wrote the North Carolina State Historic Preservation Plan
- Established the NCPRES list serve
- Developed and delivered programs on local preservation issues
- Wrote 2 grants procuring \$150,000 for architectural survey
- Provided technical assistance and training to over 95 local historic preservation commissions
- Managed the federal Certified Local Government program

With the **National Trust for Historic Preservation Southern Office**, she developed, managed, and executed a national volunteer response program in New Orleans in response to Hurricane Katrina. She also provided advisory and field services throughout fifteen states in the southern region, developing and implementing strategies for key intervention and advocacy issues. Additionally she,

- Prepared a strategic plan for the Calvert County (MD) Historical Society
- Conducted strategic planning for the Edisto Island (SC) Historical Society
- Wrote the Preservation Planning section of the Preservation Development Initiative for Miami (FL)
- Co wrote, edited, and produced a Heritage Tourism Assessment and Plan for St. Augustine (FL)
- Conducted public participation workshops and co wrote the Panama City Heritage Tourism Plan
- Served as facilitator and faculty for the eastern Kentucky Share Your Heritage Workshops



With the **Virginia Department of Historic Resources (VDHR/SHPO)** she developed, implemented and monitored a comprehensive regional program for the identification, permanent recording, evaluation, registration, and sensitive treatment of historic buildings, structures, districts, objects, and cultural landscapes in the thirty counties and cities of eastern Virginia. She reviewed, edited, and wrote nominations to the National Register of Historic Places and designed and conducted architectural resource surveys and evaluations.

#### **Education and Volunteer Activity**

Mary Ruffin has a bachelors in Art History from Yale University and a Masters in Urban Planning from the School of Architecture at the University of Virginia.

She has served on the boards of numerous arts and preservation organizations, including the Raleigh Historic Districts Commission and Preservation Action, a national preservation education and advocacy organization. Currently she serves as a director for the North Carolina State Capitol Foundation.

## Key Personnel

### **Gregory D. Fox, ASLA, LEED AP**

Department Head: Land Development



TERRADON'S Landscape Development services are managed by Gregory D. Fox, ASLA, LEED AP. Mr. Fox, has grown TERRADON's Land Development group into a premier design and consulting group throughout West Virginia and its surrounding states. Fox is a LEED Accredited Professional, and has provided site planning and design on multiple LEED certified projects, including the first LEED project ever completed in the State.

#### **Education**

- » B.S. Landscape Architecture  
West Virginia University
- » B.A. Geography & Planning  
West Virginia University

#### **Work Experience**

- » 2000-Present  
TERRADON Corporation
- » 1996-2000  
Martin Boal Anthony & Johnson  
Architects
- » 1993-1996  
Site Design
- » 1989-1993  
EG&G Inc
- » 1988-1989  
PSC Engineers

#### **Registration**

- » Landscape Architect: WV, OH, NC,  
SC, PA, VA
- » LEED AP
- » American Society of Landscape  
Architects
- » National Council on Landscape Ar-  
chitectural Registration Boards

#### **Recent Project Experience Highlights**

Mr. Fox has been responsible for a number of notable recreation, commercial and educational site development projects since joining TERRADON in February of 2000. His group earned a 2001 Engineering Excellence Award from the West Virginia Association of Consulting Engineers for the master planning of an extreme sports park at WVUIT in Montgomery.

They also earned a 2002 Engineering Excellence Award from the West Virginia Association of Consulting Engineers and a 2002 Merit Award from the American Society of Landscape Architects for the City of Fairmont Riverfront Master plan project. Most recently, the 2005 Gold Award from the American Council of Engineering Companies was presented to the firm for the site design of the new West Virginia Division of Environmental Protection Headquarters Building.

Other notable projects include the Marshall University Parking Garage, the West Virginia Public Service Commission Parking Facility, the Home Depot development at Southridge Center, and more than 30 new schools located throughout West Virginia.



# Key Personnel

## K. Davis Fennell, P.E.

Project Manager



Over sixteen years of Civil and Environmental Engineering experience in industry, land development, and municipal public works, including the last thirteen years as a consultant in southeastern North Carolina servicing the public works and land development needs in both the public and private sector. These services include master planning, roadway design, gravity sanitary sewer collection system design, sanitary sewer pump station and force main design, pressure sanitary sewer system design, water distribution system modeling and expansion design, storm drainage system collection and retention/detention design, storm water and erosion control design, along with permitting, construction administration, and compliance monitoring in all areas.

### Education

- » B.S. Civil Engineering—1994  
North Carolina State University
- » B.S. Environmental Engineering  
-1994  
North Carolina State University

### Work Experience

- » 2011 – Present  
TERRADON Corporation
- » 2007 – 2011  
Coast Line Engineering, PLLC  
Owner and Sole Proprietor
- » 1998-2007  
Cape Fear Engineering, Inc.  
Principal Engineer
- » 1997-1998  
McKim and Creed Engineers  
Engineer in Training
- » 1994-1997  
Martin Marietta Materials, Inc.  
Environmental Engineer

### Affiliations

- » National Society of Professional  
Engineers
- » American Society of Civil Engi-  
neers

### Registrations

- » P.E. : West Virginia
- » P.E. : North Carolina
- » P.E. : South Carolina

### Relevant Project Experience

- » WVHEPC Advanced Technology Centers  
Provided site grading, erosion and sediment control, and utility design for two West Virginia Higher Education Policy Commission Advanced Technology Centers located in Fairmont, WV and South Charleston, WV respectively.
- » WV K-12 Educational Facilities  
Provided site civil engineering on multiple k-12 education facilities throughout West Virginia. Engineering activities include utility and drainage design, site layout, grading and design. Facilities include school additions, new school construction and athletic fields.
- » Beckley Veteran's Affairs Parking Garage  
Site civil engineering design for a four-story parking garage located in Beckley, West Virginia. Project activities include utility and drainage design, permitting, site grading and general engineering design.
- » Sheetz Services Centers  
Provided engineering design and construction documentation for Sheetz Service Centers in various locations throughout West Virginia. Projects consisted of site layout and design, utility design, drainage layout and design.
- » Putnam County Commission Engineering Design  
Provided engineering support on a number of Putnam County West Virginia projects, including engineering layout and design for a new traffic flow pattern and drainage design for a Valley Park Master Planning project. Additionally, provided engineering design support for a number of public/private waterline extension projects, and school utility projects. Fennell provides engineering design on k-12 school projects in Putnam County, WV.
- »



# **Allegheny Design Services**

*Structural & MEP Engineering*

102 Leeway Street  
Morgantown, WV 26505  
Phone: (304)599-0771

E-Mail: [Dave@AlleghenyDesign.com](mailto:Dave@AlleghenyDesign.com)  
Web: [www.AlleghenyDesign.com](http://www.AlleghenyDesign.com)

## **David R. Simpson, PE, SECB, MBA President**

### **Education:**

West Virginia Institute of Technology  
B.S. Civil Engineering

West Virginia University  
Masters Business Administration

West Virginia State College  
Architectural Technology

### **Professional Registrations:**

Year first registered: 1984  
Structural Engineering Certification Board  
West Virginia  
Pennsylvania  
Maryland  
Virginia  
District of Columbia  
South Carolina  
Ohio  
National Council of Examiners for Engineering and Surveying

### **Professional Memberships:**

American Society of Civil Engineers  
Structural Engineering Institute, Charter Member  
American Concrete Institute  
American Institute of Architects – West Virginia Chapter  
American Institute of Steel Construction, Inc.  
American Iron and Steel Institute Member

### **Continuing Education:**

2005 AISC Specification for Structural Steel Buildings – September 27, 2006 – Pittsburgh, PA  
ASCE Testifying Skills for Engineers – February 16, 2007 – Orlando, FL  
Peter Vallas Associates, Inc. "Fire Investigation Certification" – July 16, 2010 – Ft. Lauderdale, FL

### **Professional Experience:**

Responsible for project management and design at Allegheny Design Services. Experience includes over 30 years in structural design and project management for industrial, commercial, institutional, and nuclear/chemical facilities utilizing steel, concrete, masonry, and wood. Past accomplishments include design and construction administration of health care facilities, hotels, schools, shopping centers, aircraft hangars, numerous retail facilities, and numerous forensic engineering assignments. Experience has been obtained from the following assignments:

## Experience Record:

Allegheny Design Services, LLC, President,	May 2002 to Present
R.M. Gensert and Associates, Vice President,	August 1998 to May 2002
West Virginia University, Assoc. Director Construction	August 1988 to August 1998
Simpson Engineering, Owner	August 1988 to August 1998
CECO Buildings Division, Senior Structural Engineer	April 1985 to August 1988
Rockwell International, Facility Structural Engineer	March 1982 to April 1985
Bellard Ladner & Assoc., Staff Structural Engineer	Sept. 1981 to March 1982
PPG Industries, Facility Structural Engineer	January 1980 to Sept. 1981

## Additional Professional Experience:

Experience encompasses design, project management, and construction administration for reinforced concrete, structural steel, precast concrete, masonry, and wood structures.

Project experience includes:

Fairmont Senior High School, Fairmont, WV  
Belmont Community Center, St. Clairsville, OH  
Monongalia General Hospital Operating Room Addition, Morgantown, WV  
Chestnut Ridge Church, Morgantown, WV  
Morgantown Event and Conference Center, Morgantown, WV  
Allegheny Energy Transmission Center, Fairmont WV  
West Virginia University Business and Economics Building, Morgantown, WV  
West Virginia University High Density Book Storage Facility, Morgantown, WV  
West Virginia University Life Sciences Building, Morgantown, WV  
West Virginia University Student Recreation Center, Morgantown, WV  
West Virginia University Wise Library Addition, Morgantown, WV  
West Virginia University White Hall Computer Center, Morgantown, WV  
UPMC Hillman Cancer Center, Pittsburgh, PA  
Carnegie Museum of Natural History Addition, Pittsburgh, PA  
Cultural Trust District Parking Garage, Pittsburgh, PA  
Delaware Valley Veterans' Home, Philadelphia, PA  
Fairmont State University Parking Garage, Fairmont, WV  
First Avenue Parking Garage, Pittsburgh, PA  
Hillman Cancer Center (UPMC), Pittsburgh, PA  
New Enterprise Precast Corporate Headquarters, New Enterprise, PA  
Respironics Corporate Office Facility, Pittsburgh, PA  
International Brotherhood of Electrical Workers Headquarters Training Center, Pittsburgh, PA  
Laurel Highlands Middle School Addition, Uniontown, PA  
Trinity High School, Morgantown, WV  
Mylan Pharmaceuticals Parking Garage, Morgantown, WV  
Phipps Conservatory Addition, Pittsburgh, PA  
Radisson Hotel and Conference Center, Morgantown, WV  
Western Pennsylvania School for Blind Children, Pittsburgh, PA  
In-Situ Vitrification Nuclear Waste Encapsulation Project, Richland, WA  
Dominion Transmission Office Building, Clarksburg, WV  
Multiple structural evaluations and expert witness for structural damage due to subsurface mining subsidence, floods, ice, wind and construction errors  
Over 400 low-rise metal building projects from Maine to South Carolina, including warehouses, aircraft hangar facilities, shopping centers, industrial facilities, and office facilities.



# **Allegheny Design Services**

*Structural & MEP Engineering*

102 Leeway Street  
Morgantown, WV 26505  
Phone: (304)599-0771

E-Mail: [mhowell@AlleghenyDesign.com](mailto:mhowell@AlleghenyDesign.com)  
Web: [www.AlleghenyDesign.com](http://www.AlleghenyDesign.com)

## **Michael W. Howell, PE, SE Senior Structural Engineer**

### **Education:**

University of Pittsburgh - B.S. Civil Engineering

### **Professional Registrations:**

Professional Engineer – Virginia

### **Professional Memberships:**

American Society of Civil Engineers - Past Branch President  
Richmond Joint Engineers Council - Past Council Chairman  
Structural Engineering Institute

### **Continuing Education:**

Kaplan 28 Hour SE Exam Review Course – August 2011 – Richmond, VA  
OSHA 10 Hour Safety Course for Construction Personnel – April 2006 – Alexandria, VA

### **Professional Experience:**

Experience includes experience in structural design, project management, and construction administration for industrial, commercial, military, and government facilities utilizing steel, concrete, masonry, and timber. Past accomplishments include design and construction administration of petroleum and water storage tanks, pedestrian and traffic bridges, industrial warehouses, schools, and numerous other types of buildings. Experience has been obtained from the following assignments:

### **Experience Record:**

Allegheny Design Services, LLC, Sr. Structural Engineer	June 2012 to Present
Austin Brockenbrough and Associates, Structural Engineer	March 2008 to June 2012
McKinney and Company, Civil Engineer	March 2007 to March 2008
American Bridge Company, Field Engineer	May 2005 to March 2007

### **Additional Professional Experience:**

Project experience (past and present) includes:

Puskar Center Vertical Expansion Analysis, West Virginia University, Morgantown, WV  
Brownsville Marine Product Plant Upgrade and Repairs, Brownsville, PA  
Woodrow Wilson Bascule Replacement, Alexandria, Virginia  
High Bridge Trail State Park Pedestrian Bridges, Prince Edward County, Virginia  
Observation Platform, Midlothian Mines Park, Chesterfield County, Virginia  
Eppington Plantation Structural Stabilization, Chesterfield County, Virginia  
Old City Hall Plaza Replacement, Richmond, Virginia



102 Leeway Street  
Morgantown, WV 26505  
Phone: (304)599-0771  
E-mail: [Jason@AlleghenyDesign.com](mailto:Jason@AlleghenyDesign.com)  
Web: [www.AlleghenyDesign.com](http://www.AlleghenyDesign.com)

**Jason D. Robinson, PE**  
**Associate Engineer**

**Education:**

West Virginia University - B.S. Civil Engineering

### Professional Registrations:

Professional Engineer - West Virginia

### Professional Memberships:

Member of AISC  
Associate Member of ASCE

### Continuing Education:

WVU Steel Design – Fall 2007  
 AISC - Façade Attachments to Steel Frames - September 20, 2007  
 ASCE - Reinforced Masonry: Design and Construction - November 8, 2007  
 TSN - Cold-Formed Steel Seminar – Load Bearing and Curtain Wall Systems - December 4, 2008  
 Lincoln Electric Co. - Blodgett's Welding Design Seminar - October 13-16, 2009  
 Steel Camp – November 4-5, 2010  
 The New 14<sup>th</sup> Edition Steel Manual – October 25, 2011

## Professional Experience:

Responsibilities include structural engineering design, construction documents, quality control and field engineering.

### Experience Record:

Allegheny Design Services, Associate Engineer June 1, 2007 to Present

**Additional Professional Experience:**

Bridgeport Public Safety Substation, Bridgeport, WV  
Canaan Valley Institute, Davis, WV  
Charles Pointe BFS, Bridgeport, WV  
Fairmont AFRC, Fairmont, WV  
Gabriel Brothers Renovation, Clarksburg, WV  
Genesis Youth Crisis Center, Clarksburg, WV  
Goshen Baptist Church, Morgantown, WV  
GSA, Charleston, WV  
GSA DOE, Morgantown, WV  
ICC Parish Center, Clarksburg, WV  
Mason Dixon, Bridgeport, WV  
Mylan Upper Warehouse to Labs, Morgantown, WV  
Progress Centre 2, Bridgeport, WV  
WVU Child Development, Morgantown, WV  
White Oaks Progress Center, Bridgeport, WV





**Allegheny  
Design Services**

*Structural & MEP Engineering*

**Gary M. (Mike) Chancey, P.E., LEED AP  
MEP Department Manager**

**Education:**

West Virginia Institute of Technology  
B.S. Electrical Engineering

**Professional Registrations:**

Professional Engineer, West Virginia and Ohio  
LEED Accredited Professional

**Professional Memberships:**

National Society of Professional Engineers  
West Virginia Society of Professional Engineers  
American Institute of Architects – WV Chapter  
U.S. Green Building Council

**Professional Experience:**

Responsible for project management and electrical design at Allegheny Design Services. Experience includes over 20 years in electrical design and project management for industrial, commercial, residential, institutional, educational, and recreational facilities. Building system design includes lighting, site lighting, power distribution, communications, surveillance, access control, and fire protection. Past accomplishments include design and construction administration of health care, schools, municipal, sports, commercial and retail facilities.

**Experience Record:**

Allegheny Design Services, LLC, MEP Project Manager	April 2009 to Present
MSES Consultants, Project Electrical Engineer	August 1990 to April 2009
MC2 Engineering, Owner	July 2006 to April 2009
Triad Engineering Consultants, Staff Electrical Engineer	May 1988 to August 1990
Duke Power, Design Engineer	August 1985 to May 1988

## Project Experience:

Experience encompasses design, project management, and construction administration for electrical, communications, and security systems of building projects.

Project experience (past and present) includes:

WVU Percival Hall Chiller Replacement, Morgantown, WV  
Mylan Pharmaceuticals, Greenbag Road Facility, Morgantown, WV  
City Net, Bridgeport, WV  
Progress Centre, Bridgeport, WV  
Marina Towers, Morgantown, WV  
Mildred Mitchell-Bateman Hospital Renovation, Huntington, WV  
Veterans Nursing Facility, Clarksburg, WV  
Johnston School Renovation, Salem Industrial Home, WV  
Harrison Co. 4-H & Recreation Center, Clarksburg, WV  
Bank of Gassaway, Flatwoods Branch, Flatwoods, WV  
Pinecrest Hospital TB Unit Renovation, Beckley, WV  
Robert L. Bland Middle School Renovation, Weston, WV  
Stonewall Jackson Resort Lodge, Stonewall Jackson Lake, WV  
Braxton Co. Multi-Tenant Building, Flatwoods, WV  
Ripley Municipal Building, Ripley, WV  
Ripley High School Renovations, Ripley, WV  
West Virginia University President's Home, Morgantown, WV  
Tucker Co. 911 Facility, Parsons, WV  
Hewes Avenue Parking Garage Electrical Renovations, Clarksburg, WV  
Wheeling Jesuit Science and Technology Building, Wheeling, WV  
Erickson All-Sports Facility, Parkersburg, WV  
Tygarts Valley High School Addition, Mill Creek, WV  
Museum in the Community, Hurricane, WV  
Wood Co. 911 Facility, Parkersburg, WV  
VAMC Primary Care Renovation, Clarksburg, WV  
National Guard Hangar, Harrison Marion Regional Airport, Bridgeport, WV  
Fairmont State University Athletic Field Lighting, Fairmont, WV  
SAFE House Renovation, Welch, WV  
Harrison Co. Public Safety Building, Clarksburg, WV  
Harrison Marion Regional Airport Runway Extension, Bridgeport, WV  
Ohio Co. Schools Maintenance & Transportation Center, Wheeling, WV  
Salem-Teikyo University Carlson Hall Renovations, Salem, WV  
Steenrod Elementary School, Wheeling, WV  
Fairmont General Hospital Admissions/Evaluation Unit, Fairmont, WV  
Peterson Elementary School, Weston, WV  
FCI Morgantown Dormitory, Morgantown, WV  
Elizabeth Cather Tower Electrical Renovations, Grafton, WV  
Hampshire Co. High School Addition, Romney, WV  
Various school renovations and additions  
Streetscape projects in Clarksburg, Bridgeport, Weston, Morgantown, and WVU



# **Allegheny** **Design Services**

*Structural & MEP Engineering*

## **David A. Cotton, P.E., LEED AP BD+C** **Associate Engineer**

### **Education:**

West Virginia Institute of Technology  
B.S. Mechanical Engineering

### **Professional Registrations:**

Professional Engineer, West Virginia and Pennsylvania  
LEED AP BD+C Professional Accreditation

### **Professional Memberships:**

American Society of Heating, Refrigerating and Air-Conditioning Engineers  
Secretary Mountaineer Chapter  
U.S Green Building Council  
National Fire Protection Association  
Architects Engineers and Building Officials Chapter Member

### **Continuing Education:**

2009 ASME HVAC Systems: Sizing and Design – April 27-29 – Orlando, FL

### **Professional Experience:**

Responsible for HVAC & plumbing design at Allegheny Design Services. Experience includes mechanical design and project management for industrial, commercial, institutional, education, and recreational facilities. Building system designs include packaged gas heating / dx cooling, split systems, unitary systems, air handling systems, boiler & chiller systems, steam distribution, VAV & VVT zone control, indoor air quality ventilation and server room cooling. Plumbing systems include sanitary, domestic water, fuel gas, and storm drainage. Implemented sustainable building design concepts, and provided construction administration to achieve LEED certification for new construction projects.

## Experience Record:

Allegheny Design Services, LLC, Engineer	Nov. 2008 to Present
March-Westin Company, Project Manager	August 2006 to Nov. 2008
Contracting Engineering Consultants, Detailer	May 2006 to August 2006
Special Metals, Corrosion Lab Technician	May 2005 to January 2006
Oasis Landscaping, Landscaper	May 2004 to September 2004
GC Services, Account Representative/Team Leader	May 2002 to October 2003

## Project Experience:

Experience includes estimating, design, project management, coordination, and project engineering for construction projects.

Construction project experience includes:

Allmine Asphalt Facility Buildings, Martinsburg, WV  
Beitzel / Pillar Innovations Office Building, Morgantown, WV  
Braxton County 911 Facility, Braxton, WV  
City Net Office Building, Bridgeport, WV  
Columbia Gas Compressor Station, Hardy, WV  
GSA Charleston LEED Administration, Charleston, WV  
GSA Sabraton LEED Administration, Morgantown, WV  
Jamaica House, Jamaica  
Jerry Dove Medical Office Building, Bridgeport, WV  
Marina Tower Office Fitouts, Morgantown, WV  
Percival Hall Chiller & Cooling Tower Replacement, Morgantown, WV  
Phi Sigma Kappa, Morgantown, WV  
Progress Center, Bridgeport, WV  
RL Bland Middle School Field House Renovation, Lewis, WV  
South Ridge Church, Fairmont, WV  
Steptoe and Johnson Office Building, Clarksburg, WV  
Tuscan Ridge, Canaan Valley, WV  
Upshur County Communication Center, Buckhannon, WV  
VA Audiology Suite Renovation, Clarksburg, WV  
VA IT Room Addition, Clarksburg, WV  
Village Retail Center at White Oaks, Bridgeport, WV  
Willowdale Sidewalk, Morgantown, WV  
WVU Alumni Center, Morgantown, WV  
WVU Biomedical Research Facility, Morgantown, WV  
WVU Coliseum Racquetball Court Fitout, Morgantown, WV  
WVU Infrastructure, Morgantown, WV  
WVU Milan Puskar Locker Room Renovations, Morgantown, WV  
WVU Office Fitout at Marina Tower, Morgantown, WV

## FIRM PROFILE

Riggs Ward Design (RWD) is an award-winning exhibition, and graphic design firm located in Richmond, Virginia. Our team provides exhibition, multimedia, and graphic design, strategic interpretive master planning, research, content analysis, and storyline development for established, new, and emerging museums, visitor centers, parks, and other similar cultural institutions.

### COMPANY HISTORY

RWD was founded by its two Principals, Robert Riggs and Brent Ward. Prior to co-founding Riggs Ward, Robert had been the Senior Exhibit Designer at 1717 Design Group for well over 5 years. While with 1717, Robert worked with museum professionals, donors and subject matter experts to create exhibits for the Smithsonian Institution, the Library of Congress, Colonial Williamsburg and a number of internationally known architectural firms.

Brent's educational background includes the study of history and architectural history. He interned in the Museum Department at the Virginia Historical Society and worked as a Museum Educator at the Valentine Richmond History Center. Upon completion of his Master of Arts at the University of Richmond, he became Director of Museum Services for Franklin Street Exhibit Design before starting Riggs Ward Design.

Since its creation, RWD has become well respected and nationally recognized for its work with organizations such as the Smithsonian Institution, the National Library of Medicine, the Library of Congress, and the North Carolina Wildlife Resources Commission. RWD has depicted some of our nation's most profound and important subject matter, from the Civil Rights Movement, to the preservation of natural resources, to the effects of war on a rural Virginia town. RWD recently worked with Paradigm on the West Virginia University Student Center, and we are currently working on the Bethlehem Steel Visitor Center in Bethlehem, Pennsylvania.

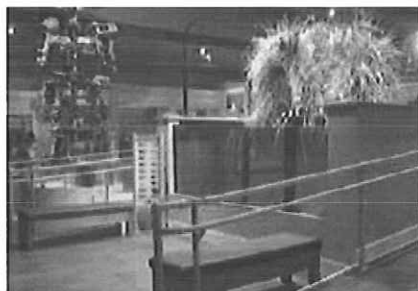
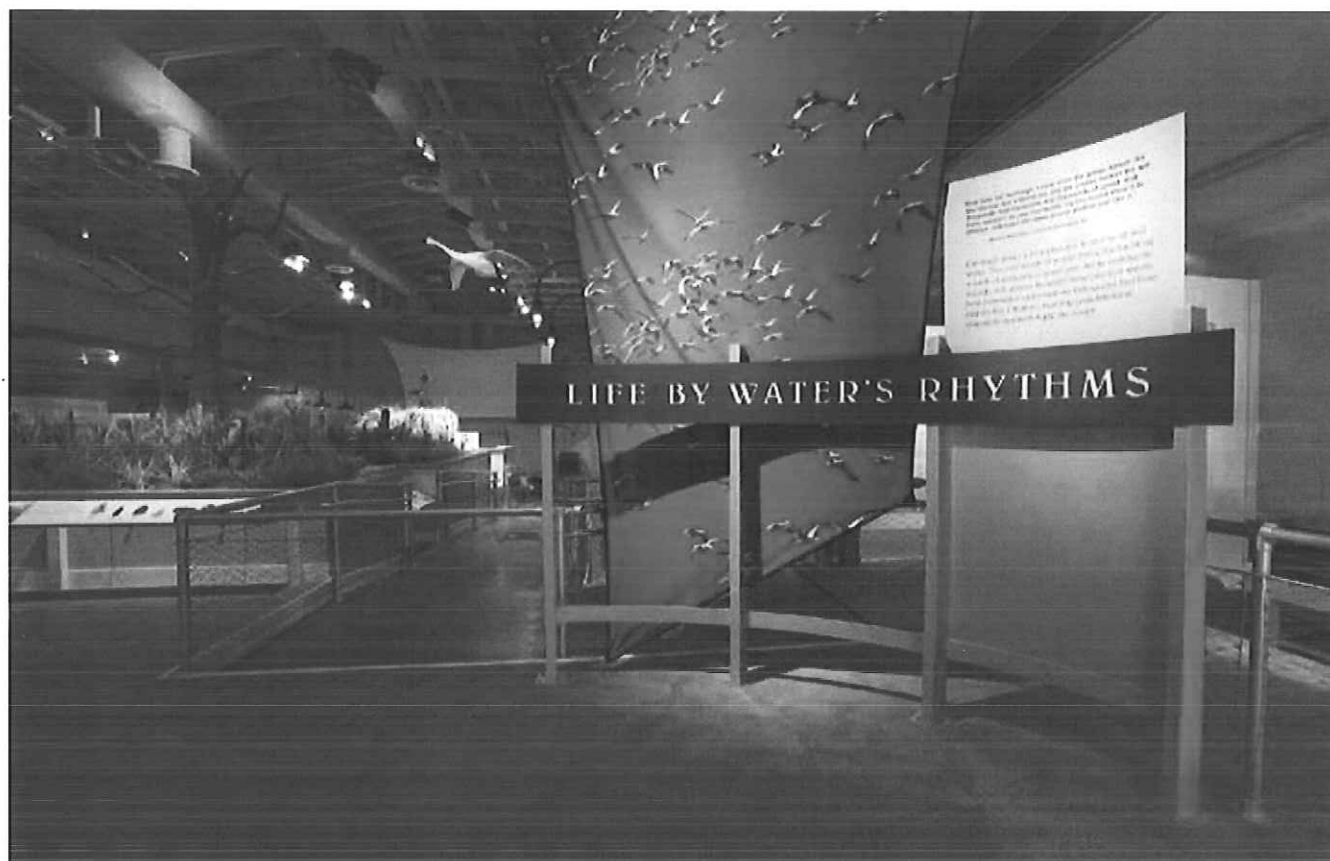
RWD sees the value in every project, no matter its size, time frame or budget. We firmly believe that our success stems from maintaining long-term, repeat client relationships. This is a core belief of our firm that translates down to our staff of professional and talented associates. Please visit our website at [riggsward.com](http://riggsward.com) for more information.



# NORTH CAROLINA WILDLIFE RESOURCES COMMISSION

## Outer Banks Center for Wildlife Education

www.riggsward.com



Above: Entrance to the exhibition.

Below, left to right: Motor board display, interior shot of the exhibition, decoy collection.

Riggs Ward designed the 6,000-square-foot permanent exhibition, "Life by Water's Rhythms," in Corolla, North Carolina's new Outer Banks Center for Wildlife Education. The gallery features a 12,000-gallon freshwater aquarium with regional species of fish from the Currituck Sound, dramatic, wildlife habitat dioramas, one of the nation's largest collections of artisan-made working decoys, hands-on and computer interactives, as well as interpretive displays informing visitors of the region's centuries-old hunting and fishing heritage.

Upon opening, this new facility joined the Whalehead Club historic mansion (also featuring exhibits designed by Riggs Ward) and the Currituck Beach Lighthouse in the beautiful 39-acre sound-front Currituck Heritage Park.

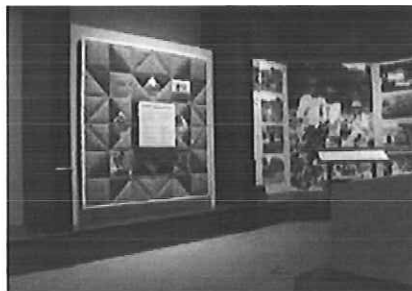
SOUTH CAROLINA DEPARTMENT OF PARKS, RECREATION & TOURISM  
S.C. National Heritage Corridor Region II Discovery Center

www.riggsward.com



Above: Interpretive panels detail both the economic and social implications of cotton production in this region.

Bottom, left to right: Cotton incorporated into the exhibition, Quilt display, The Discovery Center's entry room designed by RWD.



The Region II Discovery Center, located in a restored 1840's farmhouse in Edgefield, South Carolina, celebrated its grand opening in May 2004. The Discovery Center contains approximately 6,000 square feet of exhibit space designed to introduce visitors to the region's many cultural, historical, and natural resources.

Interactive kiosks placed throughout the center allow visitors to plan their trip through the Heritage Corridor by providing customized itineraries and maps to various nearby sites of interest. The Discovery Center also gives visitors information on the rest of the corridor, regional restaurants, lodging, travel, and tours.

SOUTH CAROLINA DEPARTMENT OF PARKS, RECREATION & TOURISM  
S.C. National Heritage Corridor Region III Discovery Center

www.riggsward.com



Above: Interior shot of the train car structure, indicating the logical progression through the exhibition.

Bottom, left to right: Exterior of train car exhibit elements, side view of entrance to main gallery, portion of exhibit dedicated to tourism options.



After the success of the Region II Discovery Center, Riggs Ward designed a second project for the South Carolina National Heritage Corridor, the Region III Discovery Center.

This Discovery Center examines the cultural, political, and economic elements unique to Aiken, Blackville, Denmark, and Bamberg counties, with a focus on the impact of the South Carolina Railroad.

Exhibits are placed strategically in train car structures to enhance the railroad theme, while creating a logical wayfinding progression throughout the gallery. A mix of hands-on interactive and interpretive exhibits, life-sized historical replicas, and artifacts creates an immersive environment that provides a wide range of learning and exploring opportunities. Each Discovery Center encourages additional visitation in other Centers along the National Heritage Corridor, as well as in the specific communities represented in the exhibits. These exhibits were so popular that they were recently relocated to Augusta, SC.

## ST. CHARLES COUNTY, MISSOURI PARKS & RECREATION DEPARTMENT

St. Charles County Heritage Museum

www.riggsward.com



Above: Exhibits in barn gallery.



Below: Printing and agricultural displays.

St. Charles County's Parks and Recreation Department hired Riggs Ward to design approximately 3,200 square-feet of exhibits in their new Heritage Museum, a renovated historical home and a recent addition. The new facility and its exhibits focus on the cultural contributions made by past residents of St. Charles County, Missouri. Riggs Ward helped the museum dedicate distinct spaces for both permanent and temporary exhibits.

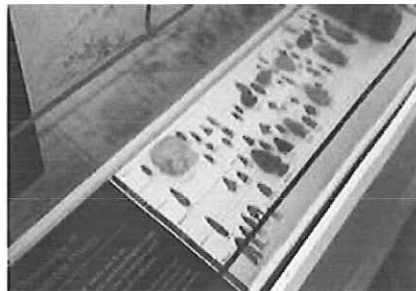
The permanent displays, located in the main house, introduce visitors to the site and the families who once lived in the historical home and began using the property as a community space in the early 1800s. Other house displays feature information about archeological research, local Native American cultural history and the life and work of a prolific photographer who resided in St. Charles in the late 1800s.

Temporary exhibits describe trades practiced by German immigrants in the 19th and early 20th centuries. The displays highlight trades and tradespeople whose work influenced life in St. Charles County historically and today. Exhibit components such as platforms, a railing system, and a graphic panel system, were designed by Riggs Ward to be modular and movable for easy use in future temporary exhibits.



STATE OF VIRGINIA DEPARTMENT OF CONSERVATION  
Shenandoah River State Park Raymond "Andy" Guest Visitor Center

www.riggsward.com



Above: Visitor center interactive display

Below, left to right: Touchscreen interactive timeline, Exterior water feature

Riggs Ward Design recently collaborated with the Virginia Department of Conservation and Recreation to plan, design, and install exhibits for Shenandoah River State Park's newly constructed Raymond "Andy" Guest Visitor Center. The space features exhibit areas, class/conference room, photo gallery, and lobby displays. The exhibits celebrate the park's history, natural beauty, and recreational value, focusing on the centrality of the Shenandoah River to those themes.

Riggs Ward's design includes indoor and outdoor water features that highlight Shenandoah River's ecosystems, an area for housing both temporary and permanent exhibits, interactive displays that allow visitors to follow the area's historic timeline, as well as three-dimensional artifacts including a number of mounted animals.



## WEST VIRGINIA UNIVERSITY

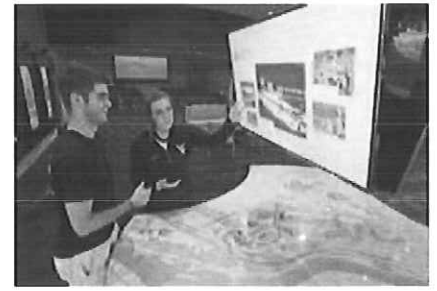
### Visitor Resource Center

www.riggsward.com



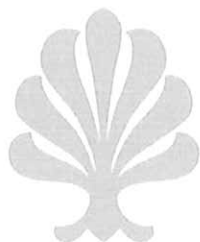
Above: Lobby space with model tram car to the left

Below, left to right: Interactive table that helps students plan their course schedules, interactive profiles of WVU students, and interactive campus map



The new West Virginia University (WVU) Visitor Resource Center is a high-tech immersive experience with an HD panoramic video display, multi-user touch tables, and a virtual tram ride. A new reception desk provides better interaction between visitors and staff. The exhibits will explore student, alumni, academic and student life stories.

Of particular focus will be WVU's significant contribution to forensic sciences and clean energy technologies. These two very prominent and highly respected areas of research by WVU will be shown via experiential exhibits that will evoke strong connections among the academia, corporate, and government leaders and the scientists who will visit the center.



HANBURY  
PRESERVATION  
CONSULTING

## **Firm Profile**

Hanbury Preservation Consulting was established in 2008 to provide a full spectrum of preservation related planning services to organizations, governments, individuals and corporate clients. The firm specializes in historic preservation planning, heritage tourism planning, and strategic planning for preservation organizations.

The firm's methodology involves research, community input and independent assessment to create consensus based and organizationally driven plans with clear implementation strategies.

Founding principal Mary Ruffin Hanbury has over 16 years of experience in a broad range of historic preservation and non profit organizations. She has worked for the Virginia and North Carolina State Historic Preservation Offices and the National Trust for Historic Preservation. As such she brings a visionary perspective and the capacity to work with a variety of clientele with sensitivity to their needs and constraints.

Hanbury Preservation Consulting is a North Carolina certified Historically Underutilized Business (NC HUB) through the Statewide Uniform Certification (SWUC) Program, a Small Disadvantaged Business for subcontracting purposes and a Woman-Owned Business.



## CLIENT LIST

---

**Baltimore National Heritage Area  
Cary, North Carolina  
Fort Monroe Federal Area Development Authority  
Grace Episcopal Church  
Hampton Federal Area Development Authority  
Hanbury Evans Wright Vlattas  
Historic Natchez Foundation  
Macon Heritage Foundation  
Mississippi African American Historic Preservation Council  
Mississippi Delta National Heritage Area  
Mississippi Development Authority - Division of Tourism  
Mississippi Heritage Trust  
National Park Service, Natchez National Historical Park  
National Trust for Historic Preservation, Heritage Tourism Program  
New Bern, North Carolina  
New Jersey Heritage Tourism Commission  
North Carolina's Eastern Region  
North Carolina's Northeast Commission  
North Carolina's Southeast  
Point Heritage Development Consulting  
Preservation Kentucky  
Rutherfordton, North Carolina  
Southern Pines, North Carolina  
Thomason and Associates  
Virginia Army National Guard  
Virginia Beach, Virginia  
Virginia Department of Transportation  
Virginia Institute of Marine Science  
The William and Mary Center for Archaeological Research**



## **Projects**

### Compliance Studies

Cultural Resources Survey of the Allder School Road (Route 711) Improvement Project, Loudon County, Virginia 2012

Cultural Resources Survey of Section 3 of the Proposed Crosstrail Boulevard Project, Loudoun County, Virginia 2012

Intensive Architectural Survey and Evaluation of 22 Virginia Army National Guard Armory and Organizational Maintenance Shop Properties 2012

A Cultural Resources Survey of the Proposed Route 696 Improvement Project, Tazewell County, Virginia 2012

Cultural Resources Survey for the Proposed Crosstrail Boulevard Project, Loudoun County Virginia 2011

Cultural Resource Survey of Nike Missile Sites in the City of Virginia Beach 2011

Cultural Resource Study of Selected sites in the Ettrick Historic District 2011

A Cultural Resources Survey of the Proposed Route 624 Bridge Replacement Project, Warren County, Virginia 2011

A Cultural Resources Survey of Selected Resources on the Campus of the Virginia Institute of Marine Science, Gloucester VA 2011

A Cultural Resources Survey of the Proposed Route 727 Bridge Replacement Project, Rockingham County, Virginia 2010

A Cultural Resources Survey of the Proposed Route 655 Improvement project, Frederick County, Virginia 2010

### North Carolina Rehabilitation Tax Credit Applications

1816 Glenwood Avenue, Raleigh North Carolina 2011

1911 Glenwood Avenue, Raleigh, North Carolina 2010

### Heritage Tourism Plans and Assessments

New Jersey Statewide Heritage Tourism Plan 2010

African American Heritage Tourism Sites Assessment, Natchez MS 2009

Preservation Plans

New Bern Historic Preservation Plan (NC) 2011

Cary Historic Preservation Plan (NC) 2010

Assessment and Plan for Thurgood Marshall's Elementary School, P.S. 103 Baltimore MD 2010

Fort Monroe Re-Use Plan and Design Standards 2009

On- Call Consulting for Rutherfordton Historic District (NC) 2009

Cultural Resource Surveys

Intensive Architectural Survey of 22 Virginia National Guard Properties 2012

Architectural Survey of ST Paul Historic District (Va) 2010

Southern Pines National Register District (NC) Survey Update 2010

Feasibility Studies

Feasibility Study for the Rivers to Sound to Sea National Heritage Area 2012

Feasibility Study for the Sampson Dunmore House Georgetown SC 2011

Preservation Board and Commission Training

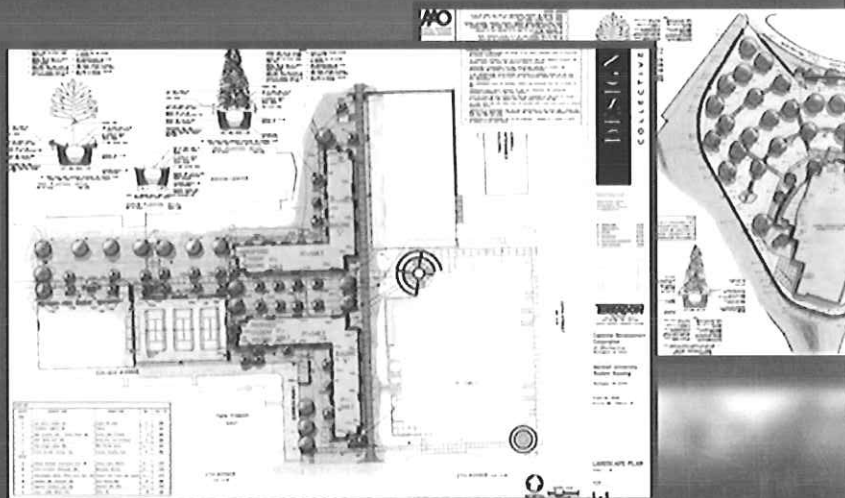
Board Training for Preservation Kentucky 2010



# Executive Summary

## LAND DEVELOPMENT

TERRADON is recognized as a leader in providing site design and land planning services. The firm's professional landscape architects work closely with the client from the project's initial phase through schematic design, construction documents, and project delivery.



## About TERRADON Corporation

TERRADON CORPORATION offers a wide range of engineering and environmental engineering design services, and is particularly suited to utility development in the mountainous areas of West Virginia and the Eastern United States. The company was formed in 1989, and its staff includes engineers, landscape architects, surveyors, planners, environmental scientists, designers, and technicians. TERRADON's services are organized into seven service areas that work together or independently, depending on client needs and the scope of the project.

Due to the breadth of services offered, TERRADON is regarded as one of the region's leading infrastructure planning and design firms. The firm has built its reputation by providing cost effective design solutions and maintaining the highest level of customer service .

## SERVICE OFFERINGS

LAND PLANNING &  
SITE DESIGN

SURVEYING &  
MAPPING

CIVIL ENGINEERING

GEOTECHNICAL  
INVESTIGATIONS

MATERIALS  
TESTING &  
CONSTRUCTION  
MONITORING

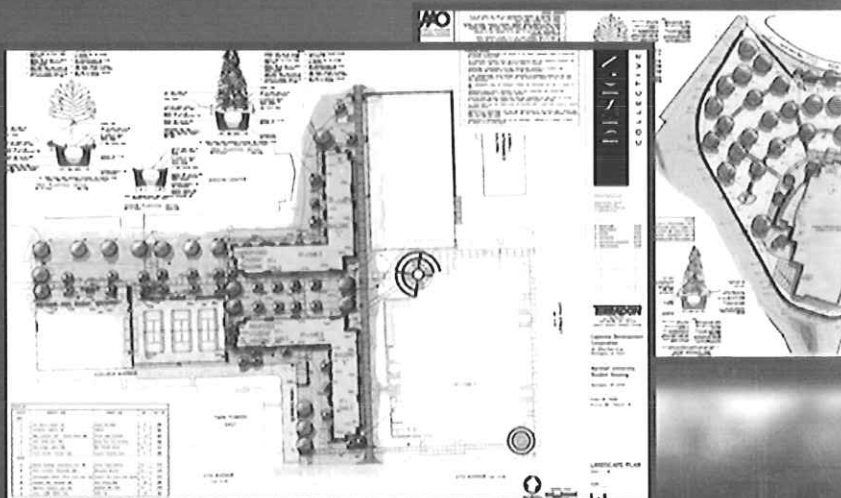
ENVIRONMENTAL

ROADWAY &  
BRIDGE  
DESIGN

# TERRADON Land Development

## LAND DEVELOPMENT

TERRADON is recognized as a leader in providing site design and land planning services. The firm's professional landscape architects work closely with the client from the project's initial phase through schematic design, construction documents, and project delivery.



Land Development covers a broad swath of TERRADON's service offerings and sees a large percentage of its annual revenue from repeat clients or referrals. The group is comprised mainly of Landscape Architects and CAD designers and works closely with every other department within the company. TERRADON's Land Development department works with public and private entities and has a strong presence in the educational, recreation and commercial development sectors.

TERRADON Landscape Architects remain on the forefront of sustainable design, providing LEED Accredited Professionals to clients. Projects utilizing sustainable design best practices aid clients in significantly reducing energy costs on projects.

TERRADON's Land Development department Services include:

- » Master Planning
- » Site Feasibility Studies
- » Schematic Design
- » Layout Plans
- » Grading Plans
- » Stormwater Management Plans
- » Erosion Control Plans
- » Planting Plans
- » Presentation Drawings/Renderings
- » Graphic Design
- » Construction Observation

## KEY PERSONNEL

**Greg Fox, ASLA, LEED AP**

**Department Head: Land Development**

TERRADON's Land Development Services are managed by Gregory D. Fox, ASLA, LEED AP. Mr. Fox, a native of West Virginia, has been responsible for a number of notable recreation, commercial, and educational site development projects since joining TERRADON in February of 2000.

His group earned numerous Engineering Excellence awards from industry associations, and provided site design for West Virginia's first LEED Certified building.

## TERRADON: Related Firm Experience

**Project:** Volcano Island Waterpark/  
Fairmont Coke Works

**Location:** Fairmont, WV

**Project Cost:** \$535,000.00

**Project Date:** 2008

**Client Name:** City of Fairmont

**Address:** 200 Jackson Street  
Fairmont, WV 26554

**Phone:** 304.366.6211

**Contact:** Jay Rodgers  
City Manager

TERRADON Corporation performed site design at the former Fairmont Coke Works and the surrounding areas, totaling approximately 350 acres of design, utility location and mapping work.

The master planning provided vision for Volcano Island Waterpark, allowing the City of Fairmont efficient and value-based use of the former environmentally-concerned site.

TERRADON maintains a strong working relationship with the City of Fairmont through multiple projects.

### KEY PROJECT PERSONNEL

» **Greg Fox, LEED AP**  
**LD Project Lead**

» **Robert Thaw, PS**  
**Survey Director**

**Project:** West Virginia State Government  
Office Building

**Location:** Fairmont, WV

**Project Cost:** 310,000.00

**Project Date:** 2010

**Client Name:** Architectural Firm

**Client Name:** The Omni Associated Architects

**Address:** 1543 Fairmont Avenue  
Suite 200  
Fairmont, WV 26554

**Phone:** 304.367.1417

**Contact:** Dick Forren  
Project Architect

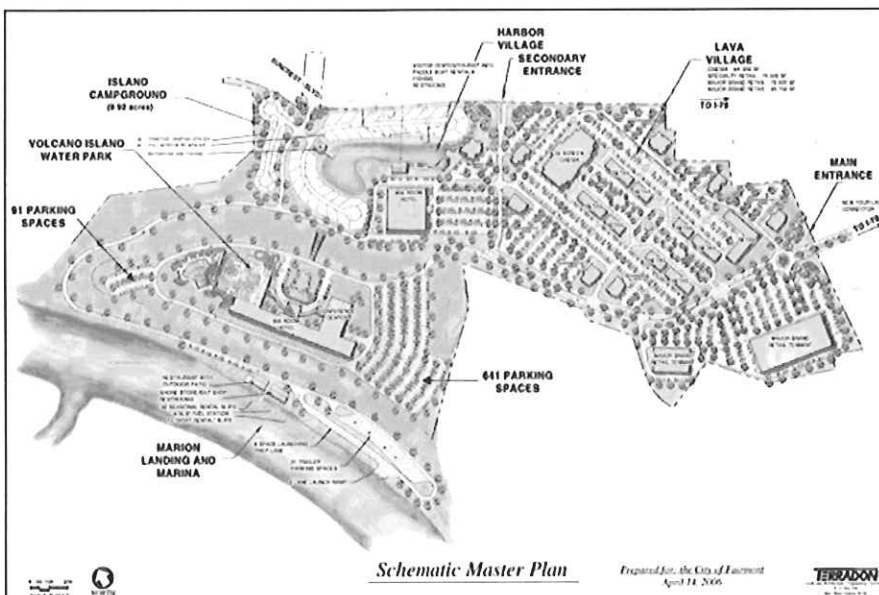
TERRADON provided a site design and layout for a state government office building located in Fairmont, WV. The project consists of all layout and design, grading, site drainage, traffic and hard-scapes. .

All underground utilities were located utilizing conventional survey methods, and presented on detailed mapping generated in AutoCAD complete with Geo referencing.

### KEY PROJECT PERSONNEL

» **Greg Fox, LEED AP**  
**LD Project Lead**

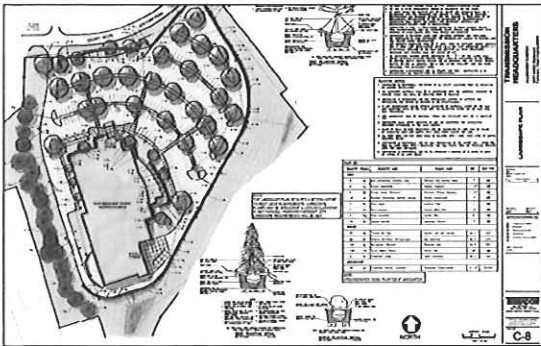
» **Robert Thaw, PS**  
**Survey Director**



*The Master Plan at left was developed by TERRADON Corporation as part of the Volcano Island Waterpark/Fairmont Coke Works project in Fairmont, West Virginia.*

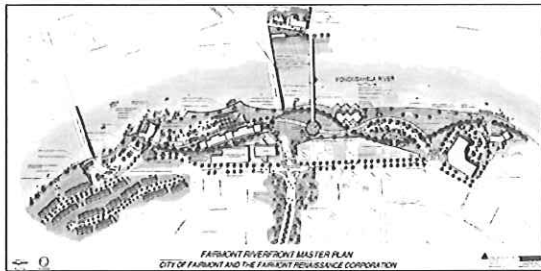
*TERRADON's Land Development division provided all site planning for the 350-acre site.*

## TERRADON: Related Firm Experience



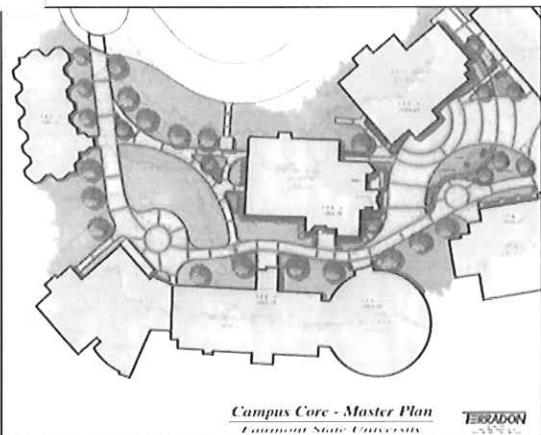
### Allegheny Energy Office Complex

TERRADON provided master planning for the Allegheny Energy Complex located in Fairmont, WV. The project included site planning, survey, landscape and hardscape design. TERRADON was responsible for all site layout features including grading and drainage.



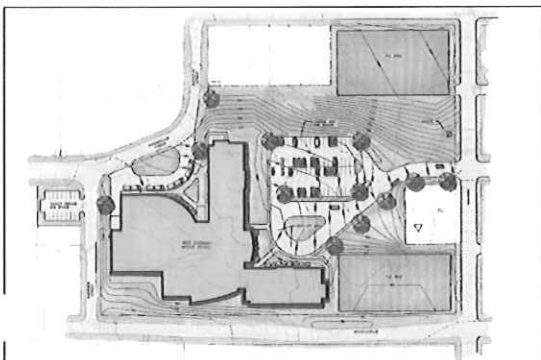
### City of Fairmont Riverfront Masterplan

TERRADON provided master planning for the City of Fairmont riverfront. The plan provides site design and layout for recreational, event and public use. The project includes pedestrian walkways and flow coordination, site layout, drainage, amenity layout, landscape and hardscape design.



### Fairmont State University Campus Core Planning

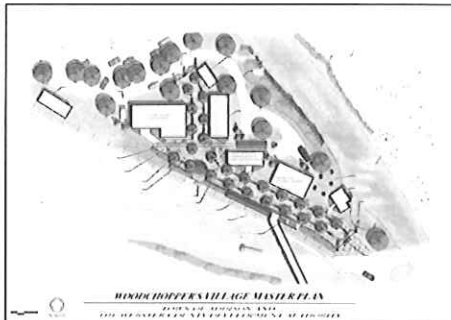
TERRADON provided master planning for Fairmont State University. The project included the layout of the core campus facilities including all site grading, landscape, drainage and the design of a seating wall/fountain and location kiosks.



### West Fairmont Middle School

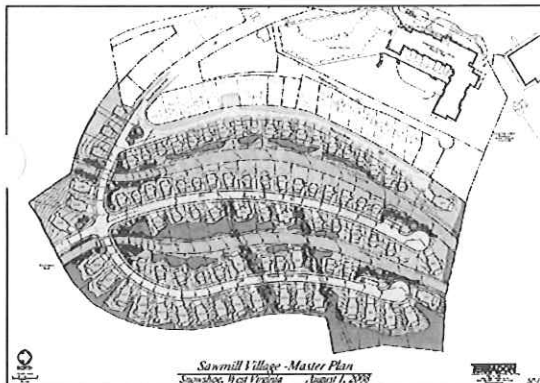
TERRADON provided master planning for West Fairmont Middle School. The project included site layout and design, drainage, traffic flow, pedestrian walkways and landscape design.

## TERRADON: Related Firm Experience



### Woodchoppers Village Master Planning

TERRADON Corporation provided master planning for Woodchoppers Village for the Webster County Development Authority. The project embraced the rich heritage surrounding the Town of Addison and provided a themed master plan to capitalize on the area's historical and unique background.



### Sawmill Village

TERRADON provided master planning for Sawmill Village at Snowshoe. The plan embraces the outdoor theme, highlighting the mountainous region surrounding Snowshoe. Services included geotechnical, survey, design and boundary survey, full sit engineering, drawings including layout, grading, drainage and erosion and sediment control.



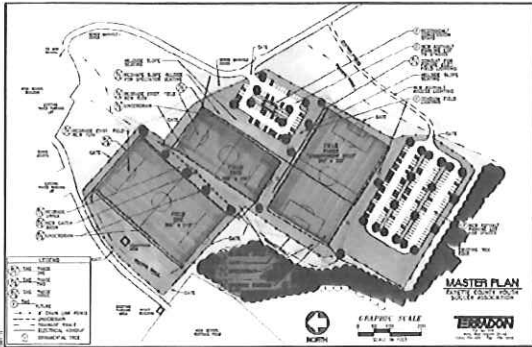
### Fayette Landing

TERRADON provided master planning for Fayette Landing in Fayetteville, WV. TERRADON was selected to provide master planning services for Phase I and II of the project. Services included geotechnical, survey, design and boundary survey, full site engineering, drawings including layout, grading, drainage and erosion and sediment control.





## TERRADON: Related Firm Experience



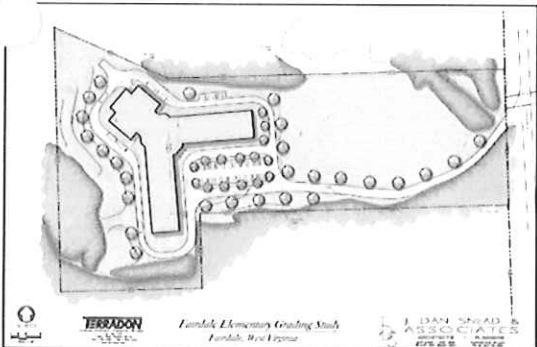
### Fayette County Soccer Complex

TERRADON provided master planning for the Fayette County Soccer Complex for the Fayette County Youth Soccer Association. The project included site planning, survey, landscape and hardscape design. TERRADON was responsible for all site layout features including grading and drainage.



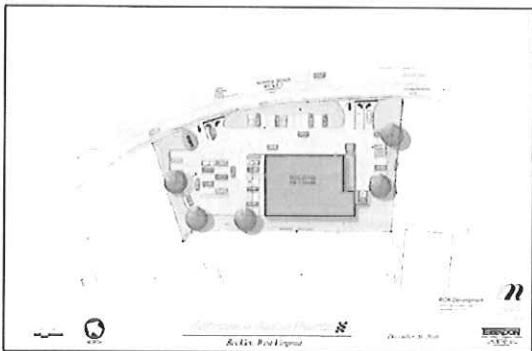
### City of Fairmont Riverfront Masterplan

TERRADON provided master planning for the City of Fairmont riverfront. The plan provides site design and layout for recreational, event and public use. The project includes pedestrian walkways and flow coordination, site layout, drainage, amenity layout, landscape and hardscape design.



### Fairdale Elementary, Marsh Fork Elementary, & Shady Springs Middle New River Community and Technical College

TERRADON has provided master planning for numerous k-12 schools including several within the NRGRDA area. TERRADON has completed planning and design on Fairdale Elementary, Marsh Fork Elementary, and Shady Springs Middle School. Additionally, TERRADON provided planning and design on the New River Community and Technical College in Beaver, WV.



### Advanced Auto, Sheetz Stores

TERRADON provided master planning for Several Commercial properties within the NRGRDA area. TERRADON recently completed planning and design for Advanced Auto in Beckley, and Sheetz in Beckley and Fayetteville, WV. The project included site layout and design, drainage, traffic flow, pedestrian walkways and landscape design.

## TERRADON Surveying & Mapping



## SURVEYING & MAPPING

A critical piece to the engineering and construction industry, TERRADON is regarded as a top-tier firm in the surveying and mapping trade. TERRADON focuses on construction stakeout, ALTA survey, topographic survey, and boundary survey services.

TERRADON has developed an extensive resume of successful surveying and mapping projects performed throughout the difficult terrain of West Virginia and surrounding states. The Survey and Mapping group performs services for a large number of private and public sector clients. TERRADON's experienced, staff of licensed professional surveyors and mappers brings expertise and proficiency to every project.

It's commitment and investment in state-of-the-art equipment and technology enable the company to overcome unique and challenging project conditions and obstacles.

### Services Include:

- » GPS Control mapping
- » GIS
- » Underground utility location
- » Wetland delineation surveys
- » Base mapping for (GIS) geographic information system
- » Boundary surveys
- » ALTA/ACSM surveys
- » Topographic surveys
- » Engineering design surveys
- » Aerial Imagery
- » Horizontal and Vertical Control Surveys
- » Commercial subdivision platting
- » Residential subdivision platting
- » Cellular / Communications Towers Surveys

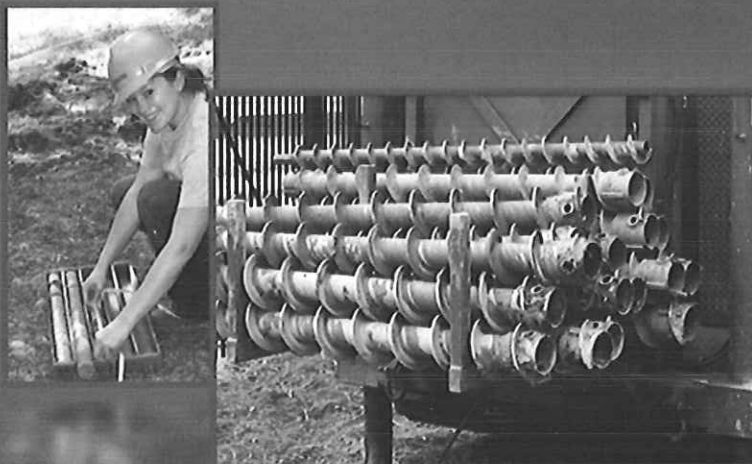
## KEY PERSONNEL

### Robert Thaw, PS

#### Department Head: Survey & Mapping

Mr. Thaw is Manager of Surveying Services for TERRADON. He organizes and supervises survey crews; designs commercial sites for drainage, building site locations, parking and utility easements; reviews project plans; and creates base mapping. Mr. Thaw has more than 22 years of experience in a wide range of land surveying applications. He is experienced with the day-to-day operation of the business and management of personnel.

## TERRADON Geotechnical Engineering



## GEOTECHNICAL ENGINEERING

TERRADON offers one of the most experienced staff in the region for local geotechnical expertise. The company provides a distinct understanding of the difficult soil and groundwater conditions found in the Appalachian region of the United States.

Geotechnical engineering requires specialized technical knowledge. It's most effective however when paired with local expertise and experience, a combination TERRADON offers to projects. A staff of experts brings a distinctive understanding of the difficult soil and groundwater conditions found in the Appalachian region of the United States. The Geotechnical group has provided investigations associated with earthen dams, mining, waste disposal, new building construction, and environmental remediation. TERRADON's team performs sub-surface investigations and geotechnical design services such as:

- » Drilling
- » Test pit excavations
- » Soil and rock logging, sampling, and testing
- » Monitoring well and piezometer installation
- » Foundation design
- » Earthen dams
- » Landslide analysis and remedial design
- » Retaining structure design
- » Municipal and industrial landfills
- » Stability analysis
- » Flexible and rigid pavement design

### KEY PERSONNEL

**John James, PE**

**Department Head: Geotechnical**

Recognized as an industry expert in West Virginia, Mr. James specializes in innovative and cost saving concepts for his projects. Typical projects include numerous foundation investigations, studies and designs for landfills and environmental facilities, surface and ground water studies and remediation, foundation investigations and designs ranging in size from houses to major industrial complexes, roads, highways and bridges, earth and rockfill dams, storm drainage facilities, airport facilities, landslide analysis and correction, and forensic engineering.

## TERRADON Materials Testing & Construction Monitoring

# MATERIALS TESTING & CONSTRUCTION MONITORING

TERRADON offers materials testing and construction monitoring to document compliance with project design specifications and regulatory requirements. The firm offers a staff that is well-versed in the industry, holding all WVDOH certifications for materials testing.



TERRADON offers materials testing and construction monitoring to document compliance with project design specifications and regulatory requirements. The firm provides construction monitoring for utility, highway, and commercial construction projects. TERRADON also provides laboratory and field testing of construction materials. Engineers and technicians at TERRADON are West Virginia Department of Highways certified in Portland Cement Concrete, Hot mixed Asphalt, Compaction, and Aggregates.

Testing and Monitoring Services include:

- » Slump of Portland Cement Concrete (AASHTO-T119)
- » Air Content of Freshly Mixed Concrete (AASHTO-T196 & T152)
- » Unit Weight and Yield (AASHTO-T121)
- » Making and Curing of Concrete Test Specimens (AASHTO-T23)
- » Compressive Strength of Concrete Specimens (AASHTO-T22)
- » Fine and Course Aggregate Gradations (AASHTO-T11 and T27)
- » Specific Gravity of Aggregates (AASHTO-T84 and T85)
- » Atterberg Limits (AASHTO-T89 and T90)
- » Moisture Content of Soil (ASTM-D2216)
- » Nuclear Compaction Testing of Soil, Stone, and Hot Mixed Asphalt
- » Preparation of Certification Forms and Construction Reports

### KEY PERSONNEL

#### **Bruce Frame**

#### **Department Head: Materials Testing**

Bruce Frame is TERRADON'S Manager of Construction Inspection and Materials Testing. He has 35 years of experience in materials testing in the Materials Section of the West Virginia Department of Transportation, Division of Highways. Since joining TERRADON in 2000, he has been responsible for material testing and inspection on a wide variety of construction projects.



# TERRADON Environmental Engineering

## ENVIRONMENTAL ENGINEERING

TERRADON offers a strong environmental engineering team to manage issues in a complex environment. TERRADON's staff closely follows environmental activity on a local, state and federal level. TERRADON's staff is well-versed on environmental permitting processes and regulations as well as site assessment and reporting.



Constantly changing federal and state environmental requirements are difficult to track and can have a serious impact on businesses and other organizations. TERRADON closely follows environmental activities on the local, state, and federal level. TERRADON has a thorough understanding of state and federal environmental permitting processes and regulations. This expertise applies to both the initial permit preparations, as well as subsequent negotiations affecting the permit. The firm's strength in addressing environmental issues is built on the diversity of our staff with credentials in chemical engineering, chemistry, civil engineering, geotechnical engineering, and geology. The company has experience in:

- |                             |   |
|-----------------------------|---|
| » Solid Waste               | » Environmental Audits                  |
| » Hazardous Waste           | » Environmental Site Assessments        |
| » Process Water             | » Environmental Remediation             |
| » Wastewater                | » NEPA Compliance                       |
| » Storm Water               | » Asbestos and Lead Inspection          |
| » Groundwater               | » Underground Storage Tanks             |
| » Air Pollution             | » Impoundment Stabilization and Closure |
| » Risk Management Plans     |   |
| » Vulnerability Assessments |   |
| » Emergency Response Plans  |   |

## KEY PERSONNEL

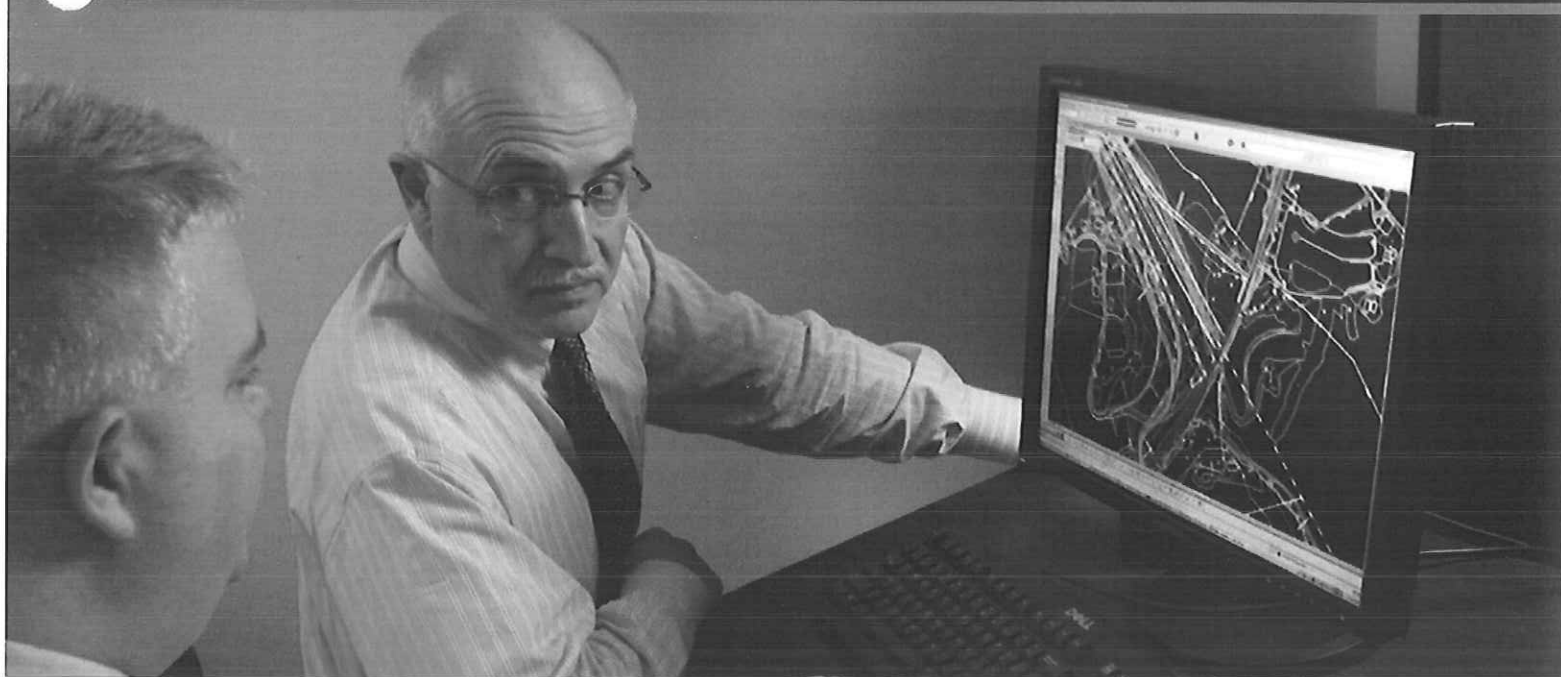
**Bill Hunt, LRS, PG**

**Department Head: Environmental**

Bill Hunt serves as TERRADON's Environmental Project Manager. Hunt offers more than 24 years of environmental management expertise during the completion of more than 1000 environmental projects. Hunt is a Licensed Remediation Specialist and a Professional Geologist. His background includes environmental site assessments, permitting, remediation, testing and analysis.



## TERRADON Technology



TERRADON maintains the latest office management and design software available. The firm also utilizes a state-of-the-art secured network tied directly to the internet through a T2 connection.

For site design, civil, and planning projects the firm utilizes AutoCAD Civil 3D 2008 along with Land Desktop Companion 2008. Additional AutoCAD modules include Raster 2008, Survey 2008, and Civil Design 2008. For highway, roadway, and structural projects, the firm uses Bentley MicroStation, Bentley InRoads, SAP2000, and MDX. This is the West Virginia Division of Highways preferred format. TERRADON's library of design software also includes SedCad & Pond Pack for erosion/sediment control, StormCAD & HydroFlow for drainage, WaterCAD for water distribution and management, and FlowMaster for hydraulic calculations.

TERRADON makes a significant investment in computers and related hardware. Our systems are consistently upgraded or replaced to maintain highly efficient CAD stations. HP8000 laser printers located conveniently to the design stations provide quick 11x17 proof plots for designers. TERRADON uses the latest

HP Design Jet plotters to provide the highest quality prints of plans available.

### Additional Support

TERRADON Corporation also implements the use of a proprietary software call TEAM CENTER, allowing its engineers to efficiently share project documents with clients through secure FTP access with strict security access. Clients are invited to view the project repository through a hyperlink provided in an email. In a two-step process, clients simply click the link provided in the email, create a username and password and they enjoy access to drawings and related projects materials within seconds.





# Allegheny Design Services

*Structural & MEP Engineering*

102 Leeway Street

Morgantown, WV 26505

Phone: (304)599-0771

E-mail: [Dave@AlleghenyDesign.com](mailto:Dave@AlleghenyDesign.com)

Web: [www.AlleghenyDesign.com](http://www.AlleghenyDesign.com)

## **FIRM PROFILE**

Allegheny Design Services is a consulting engineering firm specializing in structural & MEP building design and building analysis.

Dedicated to serving West Virginia and the surrounding region, ADS recognizes the need for reliable and full service engineering support. ADS provides all phases necessary for the successful completion of a building project including schematic design studies, design development, construction documents and specifications, and construction administration. We currently hold licenses in West Virginia, Pennsylvania, Maryland, Virginia, District of Columbia, South Carolina and Ohio.

ADS's experience exceeds twenty-five years in the Design and Project Management of:

Commercial Facilities

Industrial Facilities

Institutional Facilities

Educational Facilities

ADS was established by David Simpson, PE, MBA, in 2002 as a result of a need in North Central West Virginia for reliable structural engineering services. In 2009 MEP engineering services were added led by Mike Chancey, PE. ADS utilizes a combination of office technology and a motivated staff to deliver projects typically up to \$25 million in construction value. Our clients include architects, contractors, developers, attorneys, and insurance companies.

ADS currently utilizes the latest engineering design and BIM software for the development of project work.

ADS is covered under a \$1 million liability policy for errors and omissions through Lexington Insurance Company.



**Allegheny**  
**Design Services**  
*Structural & MEP Engineering*

## **FIRM PROFILE**

Allegheny Design Services/MEP provides mechanical, electrical, and plumbing building design and building analysis as a part of a multi-discipline consulting engineering firm.

Dedicated to serving West Virginia and the surrounding region, ADS/MEP recognizes the need for reliable and full service engineering support. ADS/MEP provides all phases necessary for the successful completion of a building project including schematic design studies, design development, construction documents and specifications, and construction administration. We currently hold licenses in West Virginia and Ohio.

ADS/MEP was established in 2009 as a result of a need in North Central West Virginia for reliable mechanical, electrical and plumbing engineering services. ADS/MEP utilizes a combination of office technology and a motivated staff to deliver projects typically up to \$15 million in construction value. ADS/MEP's experience exceeds twenty-five years in the Design and Project Management of Commercial, Industrial, Institutional and Educational Facilities. Our clients include architects, contractors, developers, attorneys, and insurance companies.

The engineers at ADS utilize BIM (Building Information Modeling) design software analysis tools as well as traditional CAD design software. We also practice current trends in sustainable building system design as two full time staff members are certified LEED AP by the Green Building Certification Institute (GBCI).

ADS/MEP has the capacity to provide LEED administration services to obtain LEED certification. We work closely with the project designers, contractors, and owner to set the most practical project credit goals and develop a plan to obtain LEED certified, silver, gold, or platinum ratings. LEED goals should be verified early during the design phase to maximize possible credits and properly integrate green building practices into the whole building design. ADS will provide commissioning services to develop a master commissioning plan that outlines each parties responsibilities throughout the commissioning process during design, construction, and occupancy phases.

ADS/MEP is covered under a \$1 million liability policy for errors and omissions through Lexington Insurance Company.



**Allegheny**  
**Design Services**  
*Structural & MEP Engineering*

## **ALLEGHENY DESIGN SERVICES' EXPERIENCE TEAMING WITH PARADIGM ARCHITECTURE**

### **Boathouse Bistro Morgantown, WV**

ADS was a consultant to Paradigm Architecture for the Boathouse Bistro. The building houses a restaurant, a docking facility, and WVU Crew Team storage. The \$5 Million facility was completed in 2007.



### **Cacapon Resort State Park Addition and Renovations Cacapon, WV**

ADS is a consultant to Paradigm Architecture for the Cacapon Resort State Park Improvement Projects. ADS will be providing design of foundations and structural system design. The new addition provides an additional 79 guest rooms, swimming pools, new dining facilities and commercial kitchen, and a spa and fitness area. Additional renovations to the resort includes golf course upgrades, as well as water and wastewater treatment upgrades. This is a Design-Bid-Build Project.



### **Chestnut Ridge Church Morgantown, WV**

ADS was a consultant to Paradigm Architecture for the Chestnut Ridge Community Church. At the time of completion in 2006 this was the largest church facility in West Virginia. At a cost of \$12 Million, it houses an education/gymnasium wing, administrative offices, and a 2000 seat sanctuary.





# **Allegheny**

## **Design Services**

*Structural & MEP Engineering*

### **Davis & Elkins College Athletic Center Elkins, WV**

ADS was a consultant to Paradigm Architecture for the Davis & Elkins College Athletic Center. The building houses a gymnasium, offices, and classrooms. At a cost of \$6 Million it was completed in 2006.



### **Davis & Elkins College Benedum Hall Renovation Elkins, WV**

ADS was a consultant to Paradigm Architecture for the Davis & Elkins College Benedum Hall Renovation. This 16,000 square foot renovation to Benedum Hall included the addition of a rotunda at the entrance. The work was completed in 2003.



### **The Dayton Morgantown, WV**

ADS was a consultant to Paradigm Architecture for The Dayton. The Dayton is a 3 story modular building located at the corners of Ridgeway Avenue, Dayton Street and Richwood Avenue in Morgantown, WV. The building is a mixed used residential housing project with parking garage and retail space located on the ground level. ADS was responsible for foundation and structural system design.







**Allegheny**  
**Design Services**  
*Structural & MEP Engineering*

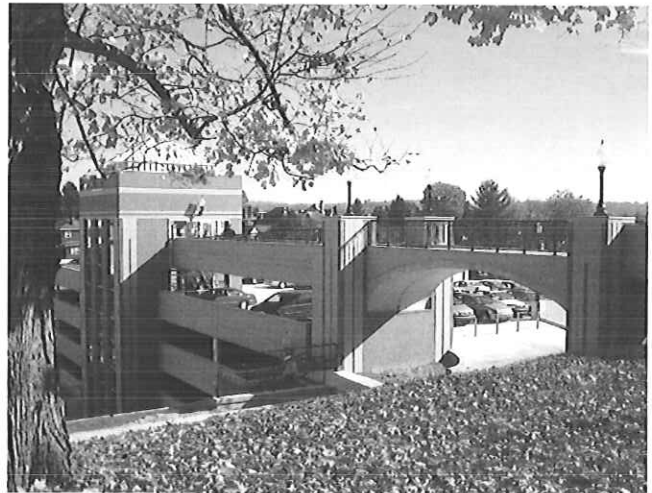
**Fairmont State University Hardway Hall  
Entrance Renovation**  
**Fairmont, WV**

ADS was a consultant to Paradigm Architecture for the FSU Hardway Hall Entrance Renovation. This project consisted of Water Damage Restoration, Porch Deck Restoration and Structural Stabilization. This project was completed in 2010 for approximately \$500,000.



**Fairmont State University Parking Garage**  
**Fairmont, WV**

ADS was a consultant to Paradigm Architecture for the FSU Parking Garage. This design-build project was completed in 2003 at a cost of \$9.2 Million. This 900 car capacity facility was built over mine cavities which required pre-grouting.



**Glade Springs Hotel & Conference Center**  
**Daniels, WV**

ADS was a consultant to Paradigm Architecture for the Glade Springs Hotel & Conference Center. The facility consists of a 40,000 sq. foot hotel wing, a 12,000 sq. foot conference center and a 2,000 sq. foot Porte Coche. It was completed in 2005 at a cost of \$5 Million.







# **Allegheny**

## **Design Services**

*Structural & MEP Engineering*

### **GSA - Department of Energy Morgantown, WV**

ADS was a consultant to Paradigm Architecture for the GSA - DOE. This office and records storage building was completed in 2009. At a cost of \$8 Million (shell only). LEED Gold (Core & Shell); LEED Gold (Commercial Interiors); 2010 Excellence in Construction by the Associated Builders & Contractors, Inc.—WV Chapter.



### **GSA/USDA Building Sabraton, WV**

ADS was a consultant to Paradigm Architecture for the USDA Building located in the Sabraton Area of Morgantown. ADS provided foundation and structural system design. This project is registered as a LEED Certified Building.



### **KeyLogic Renovation Morgantown, WV**

ADS was a consultant to Paradigm Architecture for the KeyLogic Renovation. This project consisted of renovating the entire building, new elevator shaft tower and front façade addition. This renovation was completed in 2010 for \$1.6 Million.





# **Allegheny**

## **Design Services**

*Structural & MEP Engineering*

### **Marina Tower** **Morgantown, WV**

ADS was a consultant to Paradigm Architecture for the Marina Tower. At a cost of \$10 Million (shell only) this building was completed in 2009. The eight story structure was a winner of an Excellence in Construction Award from Associated Builders and Contractors, WV Chapter.



### **Middletown Tractor** **Fairmont, WV**

ADS was a consultant to Paradigm Architecture for the Middletown Tractor Building. This project consists of a 20,000 sq. ft. Sales and Supply Facility, Pre-Engineered Metal Building and Shallow Foundation System. This project was completed in 2011 for approximately \$1.7 Million.



### **Morgantown Event Center** **Morgantown, WV**

ADS is a consultant to Paradigm Architecture for the new Morgantown Event Center and Parking Garage, located in the Wharf District of Morgantown, WV. ADS is providing foundation and structural system design.





# **Allegheny**

## **Design Services**

*Structural & MEP Engineering*

### **Morgantown Event Center Parking Garage** **Morgantown, WV**

ADS was a consultant to Paradigm Architecture for the Morgantown Event Center Parking Garage. This project consists of a 500 car parking garage. This project was completed in 2010 for approximately \$5 Million.



### **Pillar Innovations Office Building** **Morgantown, WV**

ADS was a consultant to Paradigm Architecture for the Pillar Innovations Office Building. This project consists of a 2-Story Office Building with 20,000 Sq. Ft. Total Space, Structural Steel and Shallow Foundations. This project was completed in 2011 for approximately \$3.5 Million.



### **Trinity Christian School** **Morgantown, WV**

ADS was a consultant to Paradigm Architecture for the Trinity Christian School. The 50,000 square foot high school was completed in 2004 at a cost of \$5 Million.





## **Allegheny Design Services**

*Structural & MEP Engineering*

### **The View at the Park Morgantown, WV**

ADS was a consultant to Paradigm Architecture for The View at the Park. The 6 story building contains 56 apartments. It was completed in 2003 at a cost of \$6 Million.



### **Waterfront Place Hotel & Conference Center Morgantown, WV**

ADS was a consultant to Paradigm Architecture for the Waterfront Place Hotel & Conference Center. The \$33 Million hotel and conference center was completed in 2003. The 17 story building contains 300,000 sq. foot of heated space with a lower level parking garage.



### **West Virginia University Greenhouse Morgantown, WV**

ADS was a consultant to Paradigm Architecture for the WVU Greenhouse. This project is a replacement facility for the current Greenhouse and Headhouse for the AG-Science Department on the Evansdale Campus. The size of the project is defined as roughly 8,500 SF for the Headhouse and 18,600 SF for the Greenhouse. The location of the project is on the current site of the existing Greenhouse facility. The new building will utilize the campus steam line for mechanical systems.



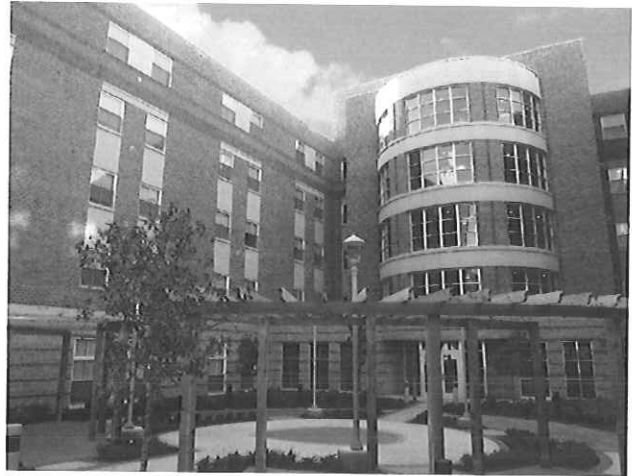


## **Allegheny Design Services**

*Structural & MEP Engineering*

### **West Virginia University Honors Dormitory Morgantown, WV**

ADS was a consultant to Paradigm Architecture for the new Honors Dormitory located on West Virginia University's downtown campus. This project was completed in 2009 for approximately \$17.65 Million. ADS was responsible for overall foundation and structural system design.



### **WVU Mountaineer Station Morgantown, WV**

ADS was a consultant to Paradigm Architecture for the WVU Mountaineer Station. The \$17 Million facility contains a 500 car parking garage, offices, public space, and retail space. It was completed in 2009. This project was a West Virginia AIA Merit Award Winner 2010; 2010 Excellence in Construction by the Associated Builders & Contractors, Inc.—WV Chapter; International Parking Institute 2011 Awards of Excellence Honorable Mention Winner.



### **WVU Visitor's Resource Center Morgantown, WV**

ADS was a consultant to Paradigm Architecture for the WVU Visitor's Resource Center. The \$900,000 facility consists of 4,200 square foot resource center and theater renovation in an existing 7-story building. Structural work included support systems for hanging partition walls and components. A total building analysis was performed to facilitate relocation of wind bracing.

