



April 19, 2019

RECEIVED

2019 APR 18 AM 9:58

WV PURCHASING  
DIVISION

Ms. Linda B. Harper  
Department of Administration  
Purchasing Division  
2019 Washington Street, East  
Charleston, West Virginia 25305

**Re: A/E Services for Building 22 HVAC  
Renovations Design Project**

Dear Ms. Harper:

Chapman Technical Group is most interested in providing the required A/E services for Building 22 HVAC Renovations Design Project. Our project team has provided similar services for projects throughout West Virginia, including the design of the renovation of the historic State Road Commission (SRC) Building for the West Virginia Division of Highways. The SRC project included an evaluation of the interior and exterior of the 40,000 square-foot building, including functional analysis, building and life safety code issues, and a complete replacement of the building electrical and HVAC systems. Bids received for the \$6.4 million project 16% below the Architect's estimate. Non-Owner-directed change orders were less than 2%. We are also currently developing a similar project for General Services with the renovation of Building 74.

Our architectural personnel includes two registered architects in our St. Albans office, as well as additional architects from our parent company, GRW, based in Lexington, Kentucky. With more than 200 professionals company-wide, we certainly have the capability to meet the demands of the Building 22 project. Our staff not only includes mechanical and electrical engineers, but also architects and interior designers. Relevant examples of our team project experience are included in our Expression of Interest. We have completed many projects for various State agencies and understand the State Purchasing system and are well-equipped to work within their framework.

We would very much appreciate the opportunity to appear before your selection committee and further discuss your project and our qualifications.

200 Sixth Avenue  
Saint Albans, WV 25177

304.727.5501  
304.727.5580 Fax

Buckhannon, WV  
Lexington, KY

[www.chaptech.com](http://www.chaptech.com)

Sincerely,

**CHAPMAN TECHNICAL GROUP**

Joseph E. Bird, ASLA  
Vice President



Purchasing Division  
 2019 Washington Street East  
 Post Office Box 50130  
 Charleston, WV 25305-0130

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

Proc Folder: 558293

Doc Description: Building 22 HVAC Renovations Design Project

Proc Type: Central Contract - Fixed Amt

Date Issued	Solicitation Closes	Solicitation No	Version
2019-03-25	2019-04-19 13:30:00	CEOI 0211 GSD1900000006	1

**BID RECEIVING LOCATION**

BID CLERK  
 DEPARTMENT OF ADMINISTRATION  
 PURCHASING DIVISION  
 2019 WASHINGTON ST E  
 CHARLESTON WV 25305  
 US

**VENDOR**

Vendor Name, Address and Telephone Number:

Chapman Technical Group  
 200 Sixth Avenue  
 Saint Albans, WV 25177

**FOR INFORMATION CONTACT THE BUYER**

Linda B Harper  
 (304) 558-0468  
 linda.b.harper@wv.gov

Signature X

FEIN # 550704766

DATE 4-16-2019

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



STATE OF WEST VIRGINIA  
Purchasing Division  
**PURCHASING AFFIDAVIT**

**CONSTRUCTION CONTRACTS:** Under W. Va. Code § 5-22-1(i), the contracting public entity shall not award a construction contract to any bidder that is known to be in default on any monetary obligation owed to the state or a political subdivision of the state, including, but not limited to, obligations related to payroll taxes, property taxes, sales and use taxes, fire service fees, or other fines or fees.

**ALL CONTRACTS:** Under W. Va. Code §5A-3-10a, no contract or renewal of any contract may be awarded by the state or any of its political subdivisions to any vendor or prospective vendor when the vendor or prospective vendor or a related party to the vendor or prospective vendor is a debtor and: (1) the debt owed is an amount greater than one thousand dollars in the aggregate; or (2) the debtor is in employer default.

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

**DEFINITIONS:**

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

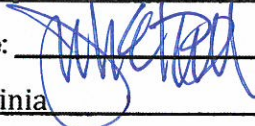
"Employer default" means having an outstanding balance or liability to the old fund or to the uninsured employers' fund or being in policy default, as defined in W. Va. Code § 23-2c-2, failure to maintain mandatory workers' compensation coverage, or failure to fully meet its obligations as a workers'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

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

**AFFIRMATION:** By signing this form, the vendor's authorized signer affirms and acknowledges under penalty of law for false swearing (W. Va. Code §61-5-3) that: (1) for construction contracts, the vendor is not in default on any monetary obligation owed to the state or a political subdivision of the state, and (2) for all other contracts, that neither vendor nor any related party owe a debt as defined above and that neither vendor nor any related party are in employer default as defined above, unless the debt or employer default is permitted under the exception above.

**WITNESS THE FOLLOWING SIGNATURE:**

Vendor's Name: Chapman Technical Group

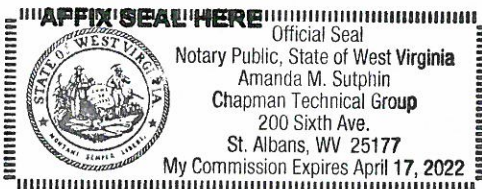
Authorized Signature:  Date: 4-16-2019

State of West Virginia

County of Kanawha, to-wit:

Taken, subscribed, and sworn to before me this 16<sup>th</sup> day of April, 2019.

My Commission expires April 17, 2022.



NOTARY PUBLIC 

*Purchasing Affidavit (Revised 01/19/2018)*

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

Joseph Bird, V.P.  
(Name, Title)  
Joseph Bird, V.P.  
(Printed Name and Title)  
200 Sixth Avenue, Saint Albans, WV 25177  
(Address)  
(304) 727-5501 / (304) 727-5580  
(Phone Number) / (Fax Number)  
jbird@chaptech.com  
(email address)

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

Chapman Technical Group  
(Company)  
Joseph Bird, V.P.  
(Authorized Signature) (Representative Name, Title)  
Joseph Bird, V.P.  
(Printed Name and Title of Authorized Representative)  
4-16-2019  
(Date)  
(304) 727-5501 (304) 727-5580  
(Phone Number) (Fax Number)



**ADDENDUM ACKNOWLEDGEMENT FORM  
SOLICITATION NO.:**

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

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

Chapman Technical Group

Company

Authorized Signature

Date

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

West Virginia Ethics Commission  
Disclosure of Interested Parties to Contracts

(Required by W. Va. Code § 6D-1-2)

Name of Contracting Business Entity: Chapman Technical Group Address: 200 Sixth Avenue  
Saint Albans, WV 25177

Name of Authorized Agent: Joseph E. Bird Address: 200 Sixth Avenue, Saint Albans, WV 25177

Contract Number: CEOI 0211 GSD1900000006 Contract Description: Building 22 HVAC Renovation Design

Governmental agency awarding contract: WV Department of Administration

Check here if this is a Supplemental Disclosure

List the Names of Interested Parties to the contract which are known or reasonably anticipated by the contracting business entity for each category below (attach additional pages if necessary):

1. Subcontractors or other entities performing work or service under the Contract

Check here if none, otherwise list entity/individual names below.  
GRW

2. Any person or entity who owns 25% or more of contracting entity (not applicable to publicly traded entities)

Check here if none, otherwise list entity/individual names below.

3. Any person or entity that facilitated, or negotiated the terms of, the applicable contract (excluding legal services related to the negotiation or drafting of the applicable contract)

Check here if none, otherwise list entity/individual names below.  
Joseph E. Bird

Signature: [Handwritten Signature]

Date Signed: 4-16-2019

**Notary Verification**

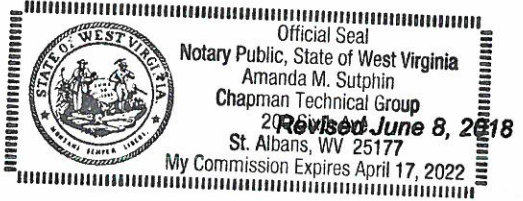
State of West Virginia, County of Kanawha:

I, Amanda Sutphin, the authorized agent of the contracting business entity listed above, being duly sworn, acknowledge that the Disclosure herein is being made under oath and under the penalty of perjury.

Taken, sworn to and subscribed before me this 16<sup>th</sup> day of April, 2019.

[Handwritten Signature]  
Notary Public's Signature

**To be completed by State Agency:**  
Date Received by State Agency: \_\_\_\_\_  
Date submitted to Ethics Commission: \_\_\_\_\_  
Governmental agency submitting Disclosure: \_\_\_\_\_





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*Section 3.0    Project Team*

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# COMPANY OVERVIEW & AWARDS



Established in 1984, Chapman Technical Group has steadily grown into a diverse firm of professionals, many of whom were educated in West Virginia colleges and universities. We have achieved an outstanding reputation for developing high-quality projects, while meeting schedules and budgets.

In 2013, Chapman Technical Group was acquired by the Lexington, Kentucky based A/E firm of GRW, allowing us to provide a wider range of services while expanding our resources. Now, in addition to our offices in St. Albans, Buckhannon, and Martinsburg, West Virginia, as part of the GRW family, we also work in Kentucky, Ohio, Tennessee, and Indiana.

Our architectural group not only designs new buildings from the ground up, but also specializes in renovations and historic restoration projects. Our award-winning landscape architects provide master planning, as well as detailed site design for parks and public spaces projects.

In addition to our building studio, our engineering support staff gives us the ability to meet almost any challenge a project may present. All of our mechanical, electrical, plumbing engineering is provided in-house, and our civil engineers work with our landscape architects to provide site designs that are functional while achieving a high level of aesthetics.

Water and sewer system design is accomplished by our environmental engineers, and when on-site wastewater treatment is required, we can do it.

Working with our airport group, we can provide full airport design services, from runway and lighting design, to hangars and terminal buildings.



# COMPANY OVERVIEW & AWARDS



SRC Building Renovation  
WV AIA Merit Award, 2016  
Historic Preservation



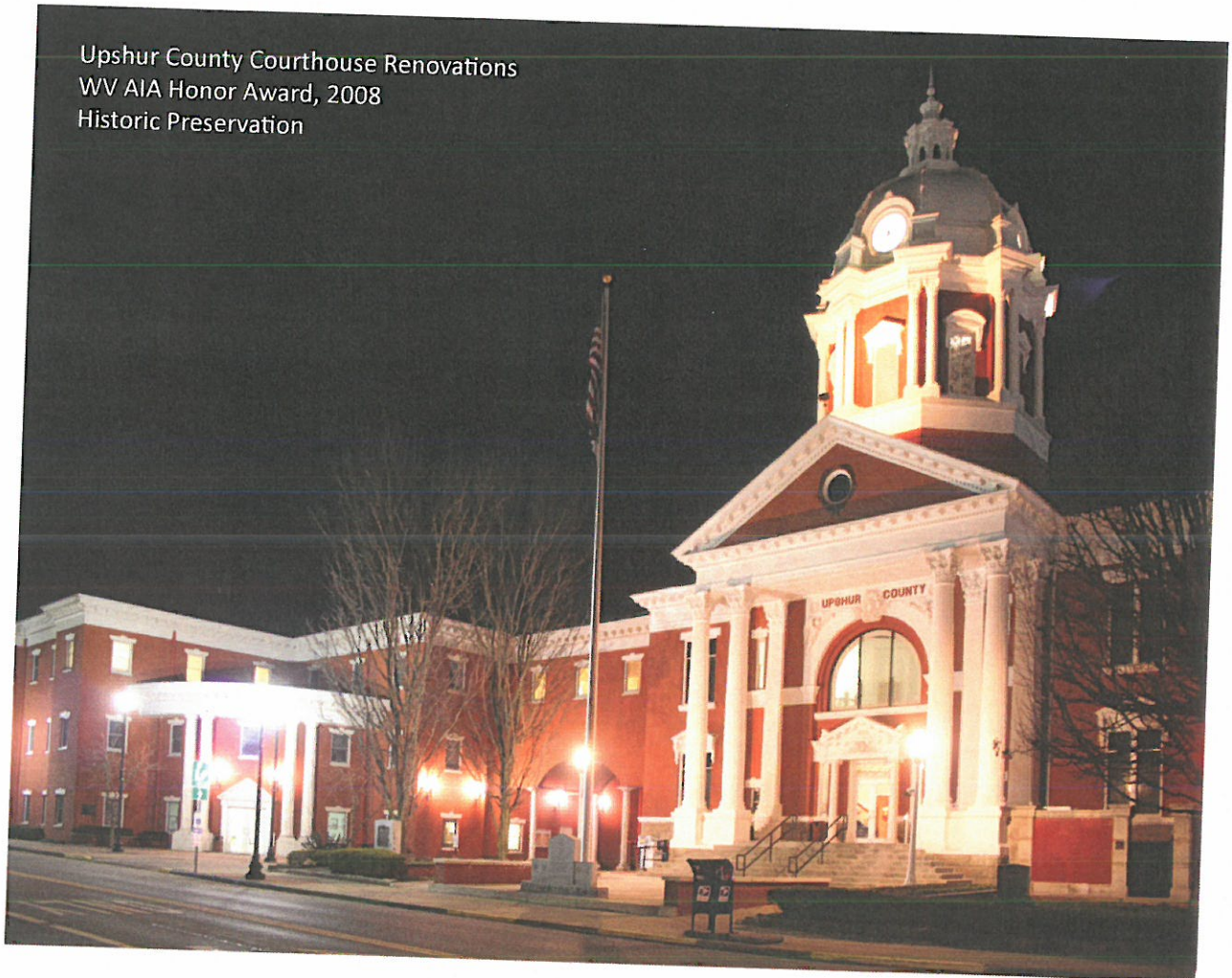
I-79 Rest Area  
AIA Merit Award, 2010



# COMPANY OVERVIEW & AWARDS



Upshur County Courthouse Renovations  
WV AIA Honor Award, 2008  
Historic Preservation

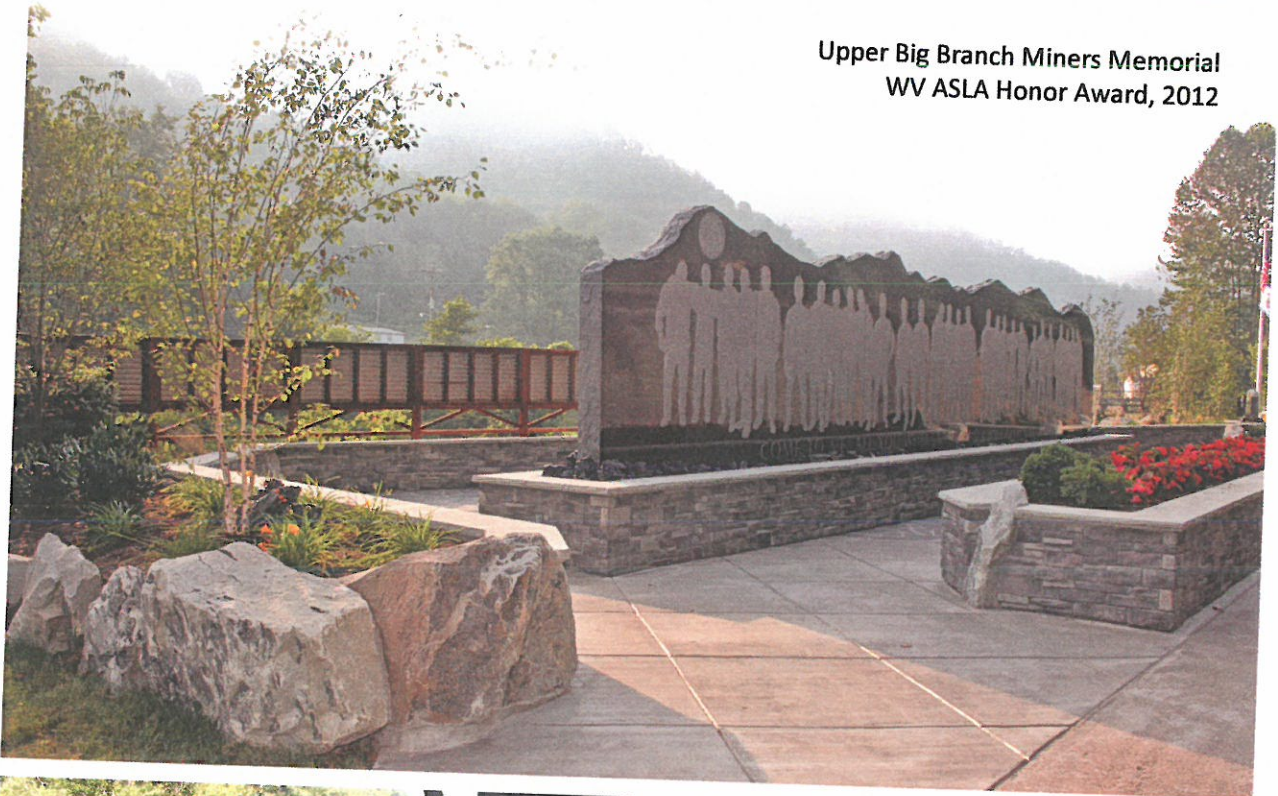




# COMPANY OVERVIEW & AWARDS



Upper Big Branch Miners Memorial  
WV ASLA Honor Award, 2012



Nuttallburg Historic Mining Complex  
WV ASLA Merit Award, 2012



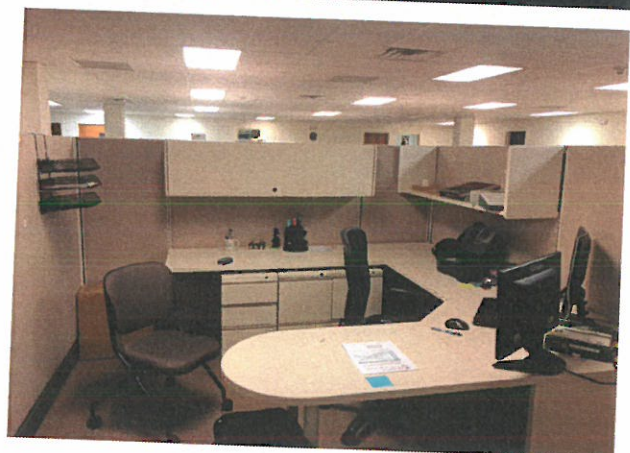
# ARCHITECTURE



## WV Department of Natural Resources Building 74 Renovations

324 4th Avenue  
South Charleston, West Virginia

Chapman Technical Group was selected to provide a multiphase project for the Renovations of Building 74 for the General Services Division (GSD). In Phase 1, Chapman Technical Group provided a thorough evaluation of the interior and exterior of the existing 37,000 square-foot building, including functional analysis, Code review, and evaluations of the building enclosure, roof, electrical, and mechanical systems. Phase 2 will provide design services as directed by the GSD to resolve issues identified in Phase 1. Phase 3 will develop construction documents and provide construction phase services for phased construction projects to enable continuous tenant occupancy of the building.







## WV Division of Highways State Road Commission Building Renovation Charleston, WV

As part of the West Virginia Division of Highways District One Campus Renovation, the former State Road Commission Building was renovated to serve as an office building for various DOH personnel. The historical 40,000 square-foot facility retained many historical features, including many original doors and transoms, while providing energy-efficient and cost-effective systems throughout. In addition to a complete interior makeover that included a historic information center and radio studio, the building also received new exterior doors, windows, roofing and a new elevator. A skywalk connects the building to a new Headquarters Building being constructed beside the SRC Building, and a courtyard between the two will be provided for employee use.







## **Upshur County Commission Upshur County Courthouse Renovations**

38 West Main Street  
Buckhannon, West Virginia

Since the design and construction of the courthouse annex in 1995, Chapman Technical Group has been involved in several improvement and restoration projects at the Courthouse in Buckhannon. In 2005, a lift was installed and plaza renovated in make the original Courthouse accessible. In 2006, the Courthouse dome and clock tower were completely restored. In 2007, the Courthouse portico stonework was restored, and in 2008 the work was honored by the AIA, WV for Excellence in Architecture.

*American Institute of Architects, Honor Award, 2008*



*Dome Restoration Detail*



# ARCHITECTURE



**Frankfort Plant Board**  
**New Administration Building**  
Frankfort, KY

The Frankfort Plant Board, a municipal utility company that provides cable, broadband, telephone, security, electric and water for the city of Frankfort, KY, and surrounding areas, hired GRW to provide programming, planning and design services for its new consolidated administration building and associated 30-acre site.

The new three-level, 46,000 SF administration building project consolidates the Frankfort Plant Board's administrative offices for accounting, human resources, management, IT, and dispatch. In addition, facilities were provided for the Plant Board's public customer service functions including cashier/payment service stations, exterior drive through tellers, product service representation, and a board/community room. The facility also includes backup utility systems and a designated shelter area.

The building facade is primarily constructed of architectural precast concrete panels with design elements such as structural silicone glazing systems and aluminum panels.





# ARCHITECTURE



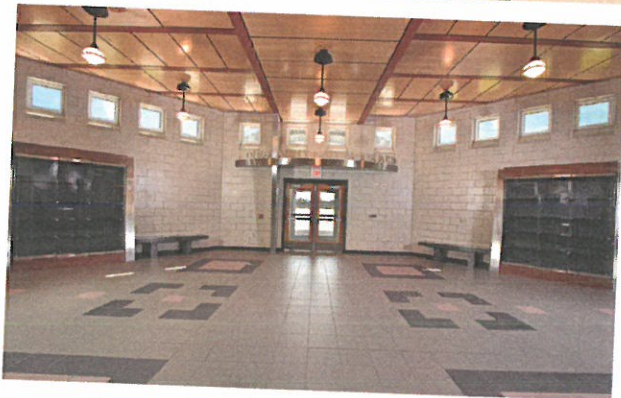
## Cumberland County Justice Center

Burkesville, KY

Designed to accommodate both Circuit and District Courts, this 24,270 SF facility is adjacent to the public square in Burkesville, KY. The first level includes a hearing room, sallyport, holding cells, witness areas, pre-trial area, clerk's offices, and other support functions. The second level includes the jury courtroom, judges' offices, holding cells, witness and attorney/client areas, conference rooms, law library, substantial public lobby spaces, and other supporting spaces. The building is segregated as required for judges' circulation, public circulation, and secure areas.



# ARCHITECTURE



The administrative/training complex includes the following functional spaces and features:

- Private offices and administrative common spaces
- Classrooms and library
- Gymnasium-type multipurpose assembly hall with fully functional kitchen
- Physical fitness area
- Ten drive-through vehicle work bays
- Heated and unheated storage areas
- Full cutoff luminaires for site lighting to eliminate light trespass
- Occupancy sensor controlled interior lights throughout
- T5 low mercury, high-efficiency fluorescent lamps and electronic ballasts
- Energy submetering connected to building management system (DDC)
- Geothermal system for heating and cooling of the facilities
- Site anti-terrorism/force protection measures, security lighting, utilities and landscaping

## Ohio ARNG Joint Armed Forces Reserve Center/Field Maintenance Shop Complex Springfield, OH

GRW provided full-discipline architecture and engineering services for planning, design and construction of a new LEED Silver Certified 85,865 SF Joint Armed Forces Reserve Center and Field Maintenance Shop for the Ohio Army National Guard (ARNG) and the US Army Reserves in Springfield, OH. These facilities are designed to match the architecture of the facilities on an adjacent site occupied by the Ohio ARNG.



# ARCHITECTURE



## Chapman Technical Group St. Albans Office

200 Sixth Avenue  
St. Albans, West Virginia 25177

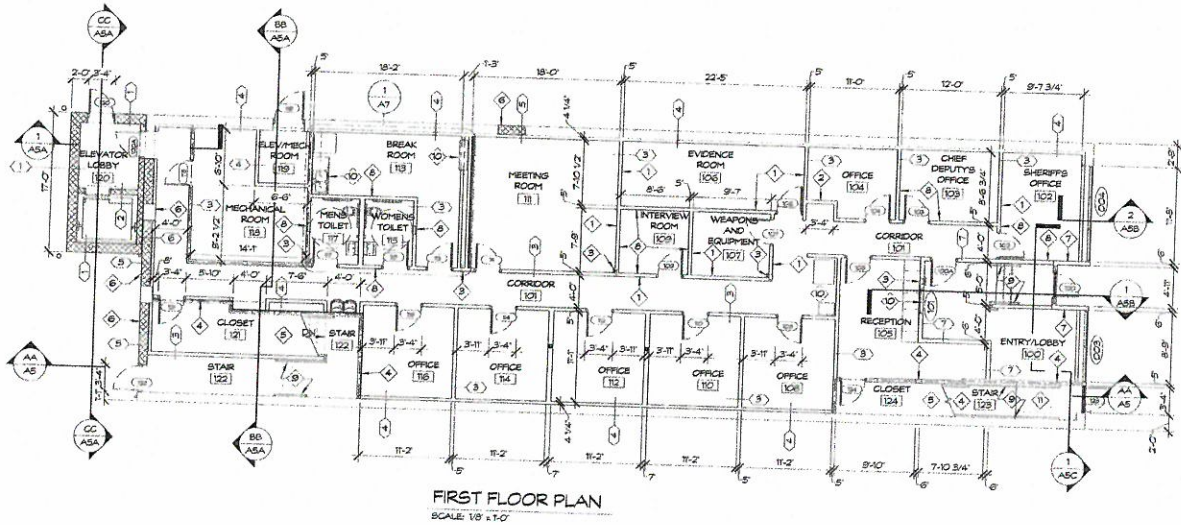
The project included the design of the renovation of an existing 7,000 square-foot building and an 8,000 square-foot addition. The building, formerly U.S. Post Office, now serves as the main office of Chapman Technical Group. The renovation was completed in accordance with the U.S. Department of Interior standards and is now on the National Register for Historic Places.

The office was designed to provide optimum working conditions and included custom-designed CADD workstations and lighting, as well as conference and meeting room facilities. The building houses a complete fitness center, including locker rooms and showers, to provide incentive for employee wellness.





# ARCHITECTURE



## Mason County Sheriff's Office Point Pleasant, WV

The Mason County Commission selected this existing building adjacent to the County Courthouse to be headquarters for the Mason County Sheriff's Department. The three story 11,500 square-foot facility remained basically unchanged on the exterior with the exception of minor facade repairs, new doors and windows. The first floor interior of the building was completely demolished and rebuilt to house the new Sheriff's Office while the second and third floor were renovated for Sheriff's office storage, voting machine storage and programming, and other County needs. Other additions and renovations included a new elevator at the rear of the building, a new sprinkler system throughout the building,





# ARCHITECTURE



## Coal Heritage Area Authority Coal Heritage Discovery Center Mt. Hope, West Virginia

The Coal Heritage Discovery Center will occupy the historic Patteson Building in downtown Mt. Hope. The Coal Heritage Discovery Center will consist of offices, meeting rooms, an historic information center, a small theater space, a public lobby area, a gift shop, and a small café area. There will also be an outdoor patio which can be used as exterior café seating.

The Center will be constructed in two phases. The first phase consisted of remedial work to weatherize the building and included the installation of a new roof and roof structure; repointing and repair of the exterior brick; cleaning the interior of the building and the installation of new doors and storefront.



*Right: Interior prior to renovation.*



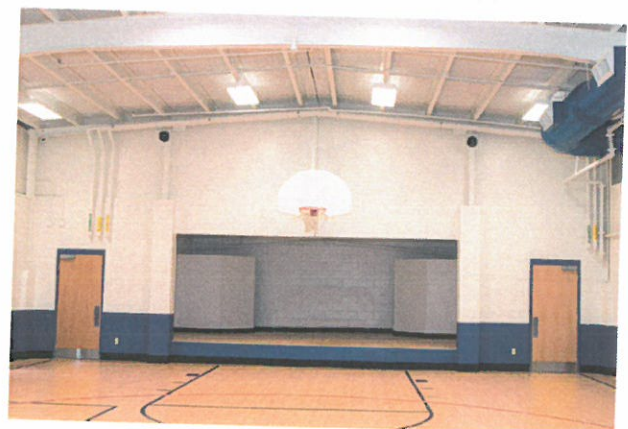
# ARCHITECTURE



**Ritchie County Board of Education  
Smithville Elementary Renovation/Addition**  
134 South Penn Avenue  
Harrisville, West Virginia

The Smithville Elementary School project included the demolition of two buildings in the existing four building complex and the design of a new classroom wing and a new kitchen addition adjacent to the remaining buildings. The new additions were designed to join with the existing classroom wing and multipurpose building to create a single facility under one roof.

The new school will provide access control and better security, new HVAC systems and better indoor air quality, compliance with ADA/ABA requirements, and modern technology and amenities.







## Joseph E. Bird, ASLA

Vice President  
Project Officer

### Experience

Joe has been involved in a wide range of projects in his 30+ years of experience. In addition to his landscape architectural design experience, he has served as Project Manager for many major multi-discipline projects ranging from campus development projects to ski area renovations. His experience includes coordinating the efforts of various local, state, and federal agencies.

**Years of Experience: 40**  
**Years with Chapman: 33**

#### Education

B.S., Landscape  
Architecture, 1978  
West Virginia University

#### Registration

Architect: WV, KY

#### Affiliations

Council  
of Landscape  
Architectural  
Registration Boards

WV Chapter,  
American Society of  
Landscape Architects

#### WV DOH District One Master Plan; Charleston, WV

Project Manager and Designer for the development of a master plan for the West Virginia Division of Highways District One campus to plan for future building sites, pedestrian and vehicular circulation, and the relocation of overhead utilities underground. The project also included the implementation of sustainable stormwater principles including bioswales, pavement infiltration where possible, and underground stormwater detention, to help alleviate chronic flooding which has plagued the project area.

#### Smith Street Streetscape; Charleston, WV

Project Manager and Landscape Architect for the design of a streetscape project as a part of the overall development of the District One Campus project. The plan includes placing overhead utilities underground, new street lights, new sidewalks and curb ramps, and new street trees.

#### Covington Streetscape Project; Covington, KY

Project Manager and Landscape Architect for the design of seven blocks of streetscape in Covington, Kentucky. The plan includes placing overhead utilities underground, new street lights, new sidewalks and curb ramps, and new street trees. The project also included the design of new traffic signs and pedestrian crossing signals.

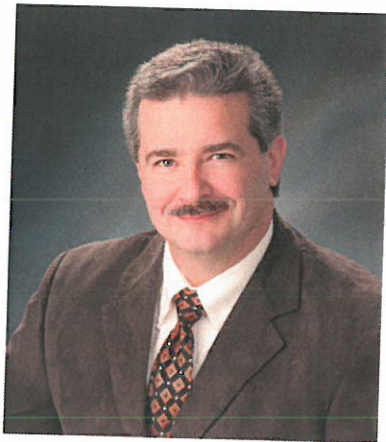
#### Scottsville Streetscape Project; Scottsville, KY

Landscape Architect for the design of two blocks of streetscape in Scottsville, Kentucky. The plan includes placing overhead utilities underground, new street lights, new sidewalks and curb ramps, and new street trees.

#### WV DOH Alternative Transportation Projects

Project Manager and Designer for the Alternative Transportation and Trail projects throughout West Virginia, including sidewalk projects, streetscape projects, and recreational trail projects. Managed and designed several phases of the ongoing streetscape projects for the City of St. Albans.





## Phillip A. Warnock, NCARB, AIA Project Architect

### Experience

Phill is an award-winning architect with extensive experience, having worked with clients on programming / planning, budget analysis, design, construction documents, meeting coordination, bidding / negotiation services, construction phase services, and code compliance. He is especially skilled in renovation and historic restoration projects for government and municipal facilities.

**Years of Experience: 26**  
**Years with Chapman: 15**

#### Education

B.S., Architecture, 1995  
University of Tennessee

#### Registration

Architect: WV, KY, IN, TN

#### Affiliations

National Council  
of Architectural  
Registration Boards

WV Chapter,  
American Institute  
of Architects

#### Awards

Honor Award, WV AIA  
Upshur County Courthouse

Merit Award, WV AIA  
I-79 Burnsville Rest Area

Merit Award, WV AIA  
State Road Commission  
Building

#### Publications

Structure Magazine,  
February 2010  
"A Gem in the Mountains"  
Upshur County Courthouse  
Restoration

#### WV DOH District One Historic Architect; Charleston, WV

Responsible for documenting historic structures for submission to the West Virginia State Historic Preservation Office in conjunction with the redevelopment of the District One campus.

#### WV DOT Rest Areas and Welcome Centers

Project Architect for the design of the prototype rest areas and welcome centers for various locations throughout West Virginia.

#### State Road Commission Building; Charleston, WV

Project Architect for the renovation of the historic State Road Commission Building for the West Virginia Division of Highways. The 40,000 square-foot building houses offices and support facilities for the local highway district. In addition to a complete interior makeover that included a historic information center and radio studio, the building also received new exterior doors, windows, roofing and a new elevator. A skywalk connects the building to a new Headquarters Building that was constructed beside the State Road Commission Building.

#### District One Equipment Shop Building; Charleston, WV

Project Architect for the design of the new \$10 million vehicle equipment shop building for District One which includes multiple service bays, parts storage, welding shop, and offices.

#### Coal Heritage Discover Center; Mt. Hope, WV

Project Architect for the Coal Heritage Discovery Center, which is a rehabilitation of the historic Patteson Building in downtown Mt. Hope. The Coal Heritage Discovery Center will consist of offices, meeting rooms, an historic information center, a small theater space, a public lobby area, a gift shop, and a small café area. There will also be an outdoor patio which can be used as exterior café seating.





## Roger Kennedy, ASLA

### Landscape Architect

### Experience

Roger has a very diverse professional background, having been involved in parks and recreation projects, highway design, stormwater management, and trail and streetscape design. Other experience includes the use of various civil design software packages for use in site development and road design, digital terrain modeling, hydraulic analysis and related computer aided design tools, as well as the development and management of the computing resources of the company.

**Years of Experience: 29**  
**Years with Chapman: 28**

#### Education

B.S., Landscape  
Architecture, 1990  
West Virginia University

#### Registration

Landscape Architect: WV,  
KY

#### Affiliations

President, WV Chapter,  
American Society of  
Landscape Architects

Member, St. Albans Rotary  
Club

Cubmaster, Cub Scout  
Pack 146

Member, Sigma Lambda  
Alpha Honor Society of  
Landscape Architects

#### Awards

WV Division of Highways  
Engineering Excellence:  
WV Route 10  
2011, 2000  
Corridor H  
2013

#### WV DOH Alternative Transportation Projects

Project Manager and Designer for the Alternative Transportation and Trail projects throughout West Virginia, including sidewalk projects, streetscape projects, and recreational trail projects. Current projects include Shepherdstown Multi-use Trail Project, Poca Sidewalk Project, Lewisburg Route 219 Sidewalk Project, Lewisburg L&R Trail Project, Lewisburg Civil War Trail Project.

**Chief Logan State Park Cabin Access Road;** Logan, WV  
Project Landscape Architect for a new 1700-foot access road serving three new cabins for the West Virginia Division of Natural Resources. The project included utility design, stormwater management, and extensive erosion and sediment control.

**Meadow River Trail;** Greenbrier and Fayette Counties, WV  
Project Landscape Architect for a multi-use rail trail being developed by the Greenbrier and Fayette County Commissions in West Virginia as a Recreation Trail Project administered by the West Virginia Division of Highways. The project includes the rehabilitation of 17 miles of compacted aggregate trail and six railroad trestles, which will be rebuilt to accommodate pedestrian, bicycle and equestrian traffic. After the initial design was complete, seasonal floods damaged the existing trail. Working with FEMA and the County Commissions, the project scope was expanded to include flood damage repair.

#### WV DOT Highway Projects

Responsibilities include the design of horizontal and vertical road alignments, superelevation design, intersection layout, slope design and quality control review. Projects include several multi-lane highways and bridges throughout West Virginia.





## W. Thomas Cloer, III, NCARB, AIA Project Architect

### Experience

Tommy has extensive architectural experience, having worked with clients on programming / planning, budget analysis, design, construction documents, meeting coordination, bidding / negotiation services, construction phase services, and code compliance. He regularly provides leadership in architectural design and project management for new building design and renovation projects such as K-12, parks and recreation, and government and municipal facilities.

**Years of Experience: 18**  
**Years with Chapman: 12**

#### Education

B.S., Architecture, 2001  
University of Tennessee

#### Registration

Architect: WV, VA, KY

#### Affiliations

National Council  
of Architectural  
Registration Boards

WV Chapter  
American Institute  
of Architects

St. Albans Property and  
Maintenance Board

St. Albans Historic District  
Committee Member

**Jane Lew Elementary School Addition;** Jane Lew, WV  
Project Architect for the design of an addition and renovation project that included five new classrooms, an updated office suite, and a new building entrance and bus loop. Toilet rooms were also renovated and new floor finishes were installed throughout the building. A new HVAC system serves the addition, and a new sprinkler system and fire alarm were installed for the entire school. New ceilings and lighting were also provided throughout.

**Smithville Elementary School Addition;** Smithville, WV  
Project Architect for the addition and renovation of the Smithville Elementary School project which included the demolition of two buildings in the existing complex and the design of a new classroom wing and a new kitchen addition adjacent to the remaining buildings. The new additions were designed to join with the existing classroom wing and multipurpose building to create a single facility under one roof.

**Man K-8 Addition;** Man, WV  
Project Architect for the Man K-8 Addition which included the design and space planning for a 9,360 square-foot addition to the existing school. The addition included four new classrooms, a 2,400 square-foot gymnasium/multipurpose room, ADA compliant restroom facilities, and a small landscaped courtyard. The design and construction was accomplished in 10 months and nearly 15% below budget.

**Tube Park Lodge;** Canaan Valley, WV  
Project Architect for the New Tube Park Lodge and other existing facilities upgrades that were part of a wide range of improvements to the ski area at Canaan Valley Resort State Park. The new tubing lodge features a wood burning fire place, restrooms, a concession stand for hot drinks and an outdoor patio with wood-burning fire pit.

**Blackwater Falls State Park Cabins;** Davis, WV  
Project Architect for thirteen new cabins in the environmentally-sensitive Blackwater Falls State Park. One of the Goals in Developing the project was to have as little environmental site impact as possible. Each cabin has four bed rooms and a central-living, dining, kitchen area. Wood floors and trim as well as a large stone fireplace give these modern cabins a more rustic feel.





## David C. Hoy, P. E.

Civil/Structural Engineer

### Experience

Dave is experienced in the design of various building structural systems including timber, concrete, steel, and masonry construction, as well as foundation design, including deep foundation systems. He has provided structural engineering on a variety of structures including schools, office buildings, recreation facilities, and water and wastewater treatment structures.

**Years of Experience:** 12  
**Years with Chapman:** 11

#### Education

B.S., Civil Engineering, 2006  
West Virginia University

#### Registration

Civil Engineer: WV, KY, VA

#### Affiliations

Chi Epsilon, National Civil  
Engineering Honor Society

ASCE, Member

#### **WVDNR Elk River and Handley WMA Storage Buildings**

Responsible for the structural design of two storage buildings to include a heated maintenance bay, unheated storage bays, and a boat storage bay, along with offices, bunk rooms and support facilities.

#### **District One Equipment Shop Building;** Charleston, WV

Project Structural Engineer for the design of the new \$10 million vehicle equipment shop building for District One which includes multiple service bays, parts storage, welding shop, and offices. Design included pre-cast concrete wall panels, deep foundations to bedrock, and grade beams.

#### **Pocahontas Wellness Center;** Marlinton, WV

Project Structural Engineer for a 13,000 square-foot community wellness center, constructed adjacent to but separate from the existing Marlinton Elementary School.

#### **Clay County High School Bus Garage;** Clay, WV

Project Structural Engineer for the design of new bus maintenance garage including to maintenance bays, one bus wash bay, parts storage, tire storage, and drivers lounge. Project included inventory of existing equipment and specification of new maintenance equipment. Project included the design of deep foundations to bedrock.

#### **State Road Commission Building;** Charleston, WV

Project Structural Engineer for the renovation of the historic State Road Commission Building for the West Virginia Division of Highways. The 40,000 square-foot building houses offices and support facilities for the local highway district.

#### **Tube Park Lodge;** Canaan Valley, WV

Project Structural Engineer for the a new timber-frame tube park lodge at Canaan Valley Resort State Park





## Monty Maynard, PE, LEED AP BD+C

### Vice President

### Experience

Monty's experience with electrical design, process instrumentation and control design, and project management is extensive. He has been involved with the design of building systems for more than 300 projects, ranging from water resources projects to the design-build of federal prisons with total construction values as high as \$984 million. His areas of technical expertise include electrical power distribution, substation design, alarm systems, communications, lighting, lightning protection, instrumentation/controls/telemetry, power quality, energy efficiency and code compliance.

**Years of Experience: 41**  
**Years with GRW: 21**

#### Education

B.S., Electrical Engineering,  
1978,  
University of Kentucky

#### Registration

Professional Engineer (Electrical): KY, WV, IN, GA, TN, TX, NV, NC, MS, MI, AL, CA

LEED Accredited Professional, Building Design + Construction

#### Affiliations

National Fire Protection Association

International Society of Automation

American Council of Engineering Companies

National Council of Examiners for Engineering and Surveying

#### Cumberland Valley Technical College Building One Renovation, Harlan, KY - Electrical Engineer. Renovation design

for 31,000 SF building including updated exterior appearance, and modernized teaching spaces. Work included total replacement of building mechanical and electrical systems.

#### Fort Knox Macdonald Elementary School Renovation, Ft. Knox, KY - Principal-in-Charge. Renovation of a 63,000 SF Army school

with year-round schedule. Involved a new standing seam roof installed over 48,000 SF to create an attic for 100% replacement of existing HVAC system equipment with geothermal-based heat pump system, new electrical service system, and fire alarm system upgrade.

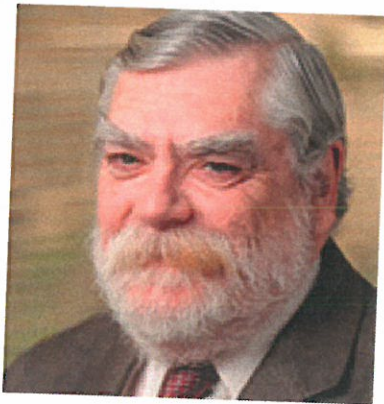
#### Lexington Catholic High School Phase II Addition, Lexington, KY - Engineering Manager. 48,000 SF addition included 1800-seat two

level gymnasium and running track, performing arts stage, art wing, and new administration area.

#### Marshall University Weisberg Family Engineering Laboratory, Huntington, WV - Electrical Engineer. New, 16,000 SF engineering

laboratory building. Building security systems included access control and CCTV. HVAC systems feature rooftop VAV systems with variable electric reheat.





## Bill Brewer, P.E., LEED AP BD+C Mechanical Engineer

### Experience

Bill's vast engineering experience has involved the design, application and trouble-shooting of a wide range of environmental and process systems, particularly HVAC, plumbing and fire protection systems. His experience has encompassed mechanical engineering design for dozens of water and wastewater treatment plant systems, and pumping stations. Bill also regularly works on projects involving GRW's educational, municipal, state, and federal clients. He is a Certified Energy Auditor and has performed many energy audits. Bill has also been involved in the construction administration for most of his projects.

**Years of Experience: 20**  
**Years with GRW: 12**

### Education

B.S., Mechanical Engineering, 1967, Case Western Reserve University

### Registration

Professional Engineer: KY, CA, OH, NC, TN, NH, WV, IN, TX, MS, GA, VA, MI, PA, KS

NCEES Member, allows reciprocity with other states

Professional Member, Society of Fire Protection Engineers

LEED Accredited

Professional, Building Design + Construction

### Affiliations

American Society of Mechanical Engineers

American Society of Heating, Refrigeration and Air Conditioning Engineers, Bluegrass Chapter

American Institute of Aeronautics and Astronautics  
International Code Council

**Bert T. Combs Forestry Building HVAC Upgrades:** Pineville, KY  
Replacement of 23 water source heat pumps (21 console and 2 vertical) in building which had been unused for several years.

### Blue Grass Airport Terminal HVAC Equipment Replacement for Boiler Room 1, Lexington, KY

Development of project construction and record documents as part of the design-build team for replacement of HVAC equipment in main terminal building. Existing system was demolished and replaced with two high-efficiency condensing gas boilers and a dual fuel, cast-iron backup boiler. New equipment also included rooftop cooling tower with VFD fan motor and controls, and other associated mechanical and electrical systems. Design challenge amplified by space constraints and need to meet airport heating and cooling schedules.

### West Virginia ARNG Readiness Center Commissioning Projects: Several locations, WV

Project Manager. LEED Fundamental Commissioning for four building construction projects: Buckhannon AFRC - Phase I, 38,000 SF and \$13,150,000 construction cost; Morgantown Readiness Center, 58,520 SF and \$20,500,888 construction cost; Moorefield Readiness Center, 57,256 SF and \$17,725,351 construction cost; and Logan Readiness Center, 58,520 SF and \$14,296,326 estimated construction cost. Scope included all commissioning, coordination and documentation required for LEED certification on the HVAC systems and networked controls, the lighting control systems and the domestic hot water distribution systems.

### Southeast Kentucky Community and Technical College: Cumberland Campus - Falkenstine Hall HVAC Renovation, Cumberland, KY

Project Manager. Design for replacement of most of the existing heating and air conditioning equipment in a heavily-utilized community college building, including installation of a new Direct Digital Control system which communicates with the facility's offices via a new control data network.



## REFERENCES



1. Mr. Bradley Leslie, P.E., Assistant Chief  
WV Division of Natural Resources  
Parks and Recreation  
324 4th Avenue  
South Charleston, WV 25303  
(304) 558-2764

***“Without reservation, I would recommend your Group for future projects.”***  
**Steve Casto, Lewis County Schools**

*“Your design, expertise and foresight brought this elementary facility into the 21st century. The diligence and professionalism demonstrated by your staff made the entire construction experience more pleasant and rewarding for all involved.”*

- David Weekley, Ritchie County Schools
2. Mr. Josh Smith, PE  
WV Department of Transportation  
Division of Highways  
1900 Kanawha Boulevard, East  
Charleston, WV 25305  
(304) 887-2325

*“I wish to express the appreciation of my department for your work in renovating the third floor of the Morrow Library. We had a thoroughly pleasant experience while you were working on this project.”*

- Lisle Brown, Marshall University
3. Mr. Dirar Ahmad, P.E.  
West Virginia Division of Highways  
1334 Smith Street  
Charleston, WV 25301  
(304) 558-9721

*“Your design work has resulted in the renovation of our 32,000 square-foot research and office complex, which has enhanced the facility’s appearance and increased the building’s energy efficiency. Your attention to detail and the guidance of the contractor made the renovation process painless.”*

- Roger Anderson,  
WV Division of Natural Resources
4. Mr. John Gerlach  
County Administrator  
Mason County Commission  
200 Sixth Street  
Point Pleasant, WV 25550  
(304) 675-1110

*“Chapman Technical Group has been involved in three projects for us to date. All three were handled by your Group as if it were their only project. Additionally, all three projects were designed expertly and concisely, came in on budget, and managed pragmatically.”*

- Steve Casto, Lewis County Schools
5. Ms. Cindy Whetsell  
County Administrator  
Lewis County Commission  
110 Center Avenue  
Weston, WV 26452  
(304) 668-2566

*“It [the addition] was perfect. Not more than we needed, not less!”*

- Jamal Kahn, Chairman, IAWV Board of Trustees