



June 12, 2019

RECEIVED

2019 JUN 12 AM 10:27

WV PURCHASING
DIVISION

Ms. Melissa Pettrey
Department of Administration
Purchasing Division
2019 Washington Street, East
Charleston, West Virginia 25305

**Re: A/E Services for East Campus
Assessment and Metal Building
Design Project**

Dear Ms. Pettrey:

Chapman Technical Group is most interested in providing the required A/E services for East Campus Assessment and Metal Building Design Project.

We are uniquely qualified in that we have provided similar services for the West Virginia Division of Highways (DOH) for their District One Campus, also on the East. Our team of architects, engineers, and landscape architects worked with DOH as we planned their campus renovations, assessed their parking needs, sited and designed buildings, and helped develop a phasing plan that worked within their budget constraints and minimized disruptions to DOH operations. The goals and objectives of the DOH District One project are the same goals and objectives for the Department of Administration East project.

Our approach to each Project Goal is discussed below.

Goal One – Site Evaluation

Chapman Technical Group will use its team of in-house surveyors to develop the base mapping to be used in all phases of the project. We will also engage a sub-consultant to perform a Phase I Environmental Site Assessment and to perform a geotechnical investigation. Our experience in developing the DOH District One Campus less than a mile away has given us knowledge of the subsurface conditions. We understand that building foundations need to be designed to take into account the alluvial soils of the Kanawha River valley, and heavy clay deposits can make strict adherence to WVDEP stormwater management guidelines challenging. We successfully dealt with both of these conditions with the DOH District One project. As the physical site is being documented, we will meet with the Agency and other stakeholders to develop an understanding of the requirements of the project.

200 Sixth Avenue
Saint Albans, WV 25177

304.727.5501
304.727.5580 Fax

Buckhannon, WV
Lexington, KY

www.chaptech.com



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Goal Two – Site Master Plan

As we did with the District One project, we will work with the Agency to determine which facilities on the property can be maintained, which facilities may have viability with proper renovation, and which would be too costly to renovate or are functionally obsolete. It is understood that the Agency has already determined that a new 25,000 square-foot multi-use building will be required, and we will develop a master site plan to include the new facility. Vehicle circulation and the accommodation of a variety of delivery trucks will be a major part of the planning effort.

Goal Three – Design Additional Building

Chapman Technical Group has designed many steel buildings, ranging from a 50,000 square-foot multi-tenant building in Philippi, to much smaller storage and office buildings for the West Virginia Division of Natural Resources. We understand the efficiencies of pre-engineered buildings and know how to fine-tune standard designs to meet varying site conditions and provide the spaces required for the building functions. Our design team will provide all building design services in-house, including electrical and mechanical design.

Goal Four – Regrading and Greening Existing Parking

Again, for the District One project, Chapman Technical Group went to great lengths to provide “green” parking lots, including planting of trees and other vegetation, and providing sustainable stormwater design within the constraints of the existing soil conditions. As demonstrated by some of the ideas presented in our Hardscape Master Plan, our landscape architects are adept and exploring new ideas and coming up with creative solutions to hardscape problems. We also included in our project sheets a concept we developed concepts for Huntington’s Fifth Avenue that would dramatically increase the green space – and improve pedestrian safety – along the busy highway. Although not a parking lot, it uses some of the same principles in creating a healthier pedestrian environment. We will employ that same creativity to come up with solutions for the existing parking areas on the East Campus.



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Most of the work for your project would be performed from our St. Albans office, but our parent company, GRW, will provide support services from their Lexington, Kentucky office. Resumes of our project team and examples of similar projects can be found within this submittal. We would very much appreciate the opportunity to appear before your selection committee and further discuss your project and our qualifications. Meanwhile, if you have questions or need additional information, please contact me.

Sincerely,

CHAPMAN TECHNICAL GROUP

Joseph E. Bird, ASLA
Vice President

ADDENDUM ACKNOWLEDGEMENT FORM
SOLICITATION NO.: GSD1900000011

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

6.12.2019

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

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

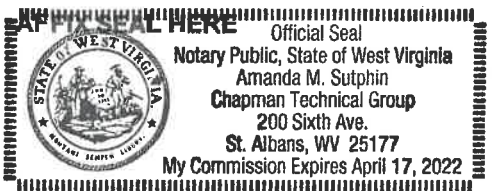
Authorized Signature: [Signature] Date: 6-12-2019

State of West Virginia

County of Kanawha, to-wit:

Taken, subscribed, and sworn to before me this 12th day of June, 2019.

My Commission expires April 17, 2022.



NOTARY PUBLIC [Signature]

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.

ME Bird V.P.

(Name, Title)

Joseph E. Bird, VP

(Printed Name and Title)

200 Sixth Avenue, St. 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)

ME Bird V.P.

(Authorized Signature) (Representative Name, Title)

Joseph E. Bird, VP

(Printed Name and Title of Authorized Representative)

6-12-2019

(Date)

(304) 727-5501/(304) 727-5580

(Phone Number) (Fax Number)

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Section 1.0 Company Overview and Awards

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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

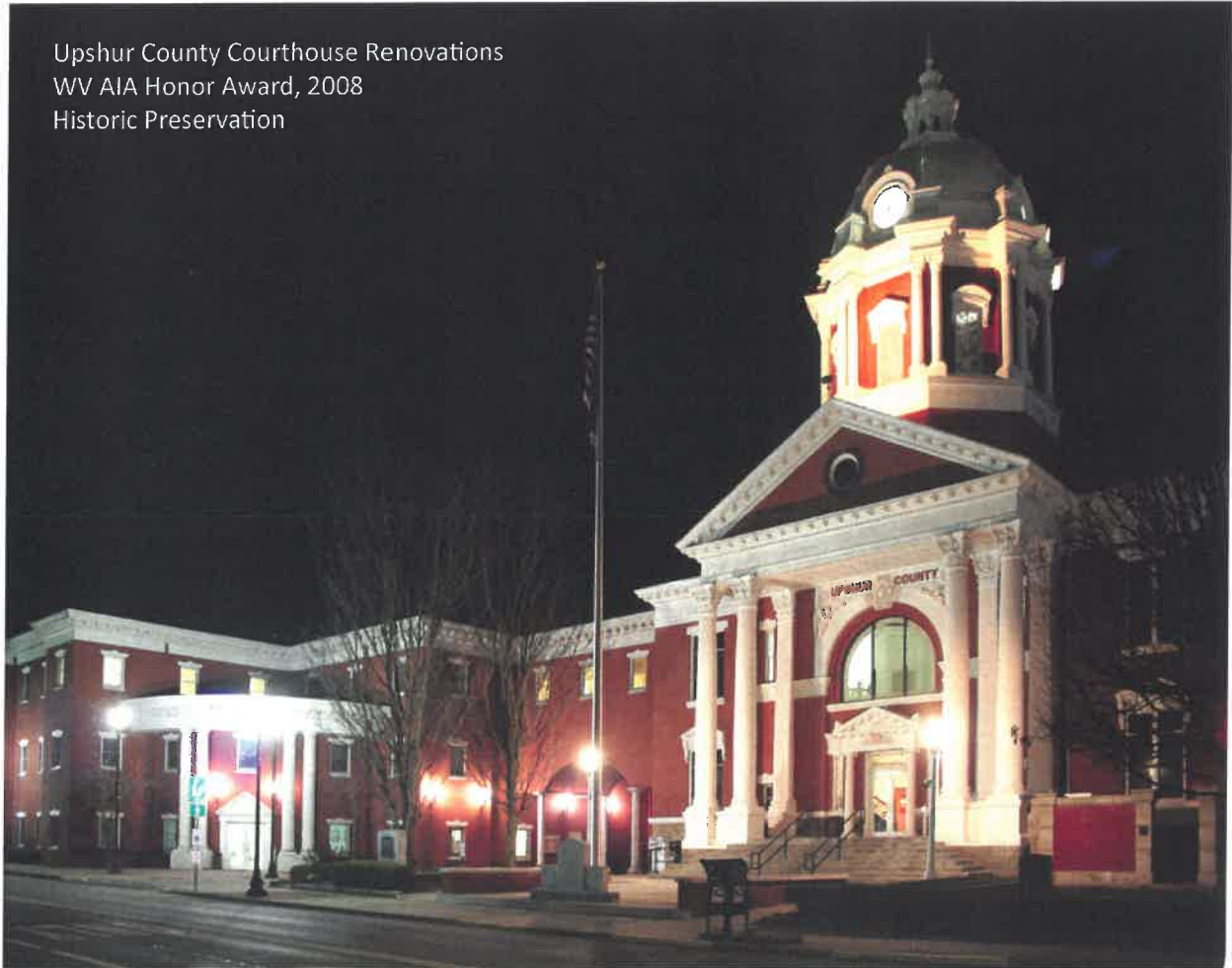


I-79 Rest Area
AIA Merit Award, 2010

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

LANDSCAPE ARCHITECTURE



WV Division of Highways District One Campus Master Plan Charleston, West Virginia

Chapman Technical Group worked with the West Virginia Division of Highways team to create the master plan for the redevelopment of its District 1 campus in downtown Charleston.

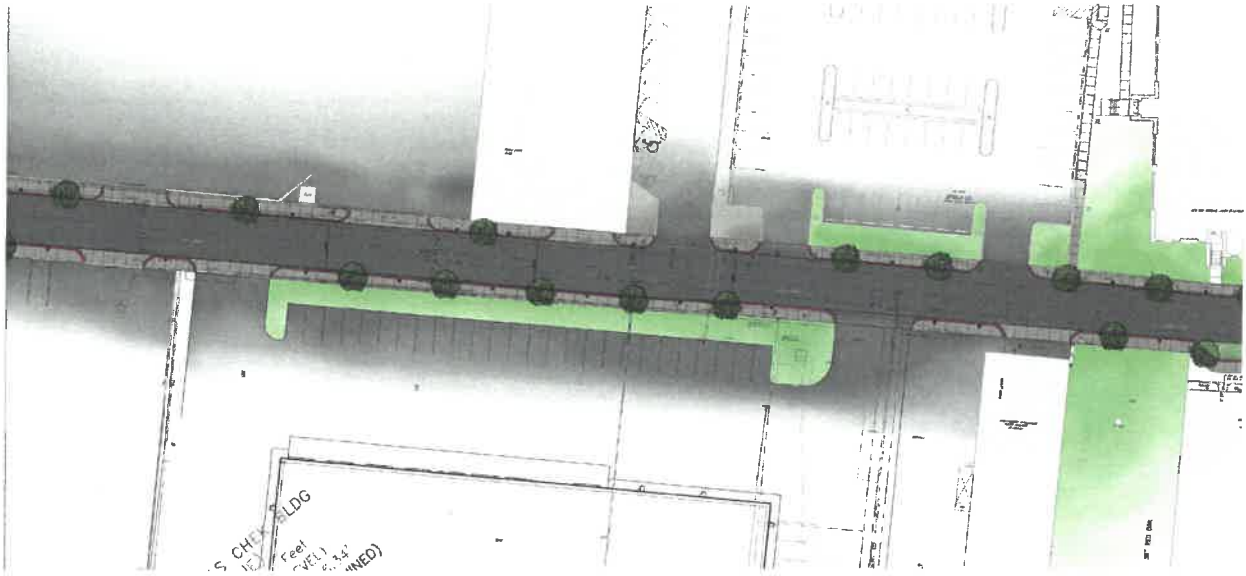
Chapman Technical Group's architects evaluated several existing buildings and determined which ones could be renovated and which were beyond their useful lives and should be demolished. They also provided all of the necessary documentation to the State Historic Preservation Office for the historic structures.

Chapman Technical Group then developed a phased development plan to prioritize demolition projects, new building construction and renovations. All activities had to be planned so that the operations of the District could continue uninterrupted.

As part of the infrastructure upgrades, Chapman Technical Group designed all parking and vehicular circulation, as well as all of the utility upgrades. The campus also suffers from occasional flooding so Chapman Technical Group designed a stormwater detention system to help alleviate flooding.

The final phase of the project will be the design of a streetscape including underground utilities, decorative paving and site amenities. Chapman Technical Group initiated coordination with the City of Charleston which resulted in a cooperative effort to provide a comprehensive streetscape beyond the boundaries of the District 1 campus project.

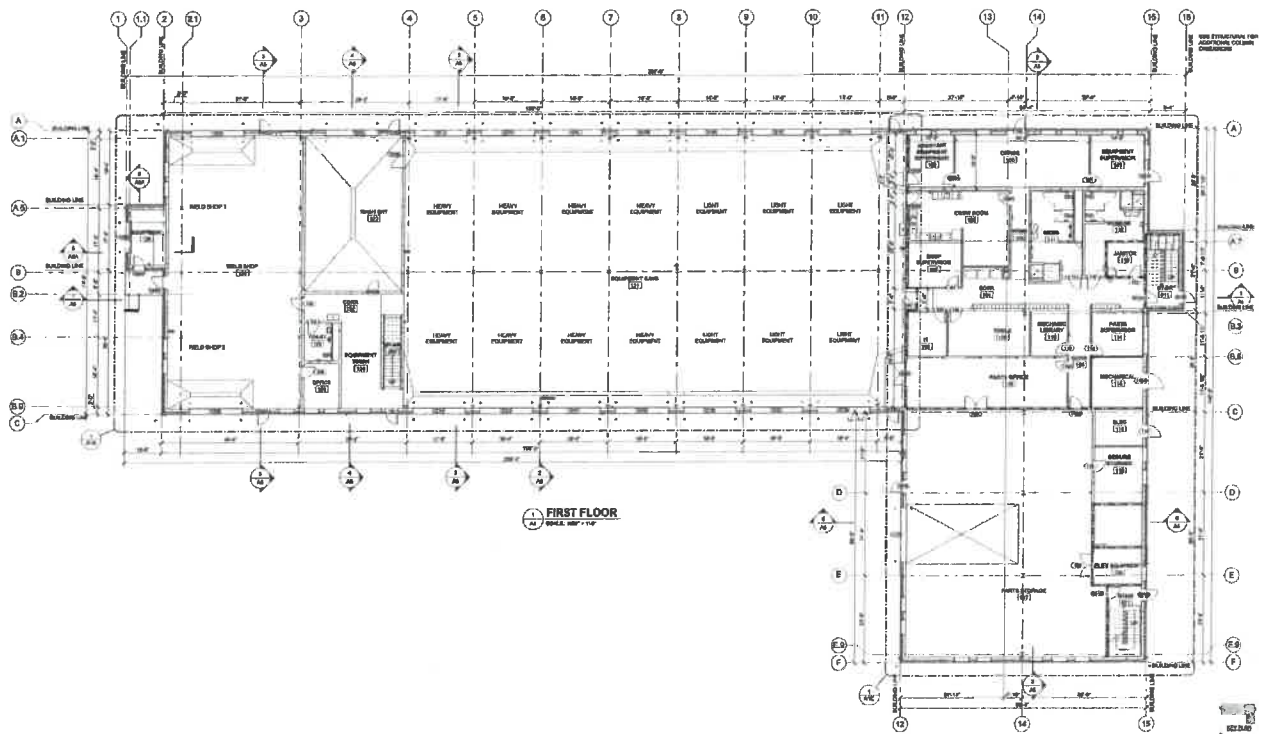
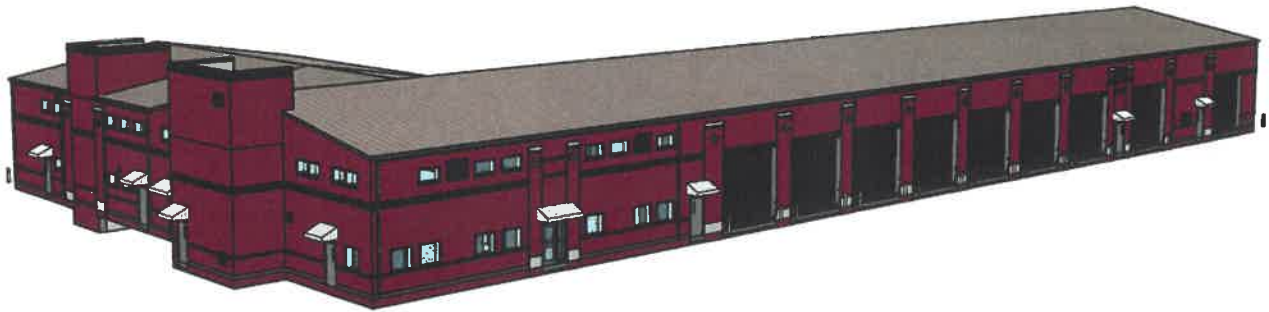
The project will be completed over the course of several years.



Smith Street Streetscape Charleston, West Virginia

As part of the redevelopment of the WV Division of Highways District One campus, Chapman Technical Group developed a master plan for the headquarters complex. In addition to new and renovated buildings, new parking facilities and sidewalks were part of the plan. In order to provide a cohesive pedestrian environment, a streetscape will be developed that includes not only WV DOH property, but the entire block of Smith Street from Morris Street to Ruffner Street.

The expanded project now includes the City of Charleston as a sponsor. The streetscape will follow the pattern established in previous Charleston East End project and includes street lights, trees, and decorative brick bands. Concepts were also developed to provide screening of vast areas of unoccupied parking lots.



WV Division of Highways District One Shop Building Charleston, West Virginia

As part of the West Virginia Division of Highways District One Campus Renovation, a new vehicle maintenance building will be constructed. Seven drive-through bays will provide space for maintenance of large vehicles and trailers, and will be fully equipped with lifts and equipment. Separate bays will be provided for welding, vehicle

washing, and parts washing. Offices and training rooms, as well as parts and tire storage, will also be included in the facility. The building was designed to complement the architecture of the other buildings of the downtown campus.



Barbour County Economic Development Authority

Belington Multi-Tenant Business Incubator

Belington Industrial Park

Belington, West Virginia

Chapman Technical Group assisted the Barbour County Economic Development Authority by providing design services and construction administration for the Belington Multi-Tenant Building located in the Belington Industrial Park. The Multi-Tenant Building is a 25,100 s.f. metal building which consists of three 8,300 s.f. tenant spaces, each with their own office core and bay spaces.





**West Virginia Division of Natural Resources
Elk River Wildlife Management Area Storage Building
Flatwoods, West Virginia**

The project included the design of a pre-engineered steel building to house equipment, including boats and trailers, that are used in the management of the Elk River Wildlife Management Area. The building also includes an office for DNR staff, a bunk room and kitchen, and an office and storage space for WVDNR Law Enforcement. The project included extensive sitework, including the construction of an access road.



5th Avenue Redesign Huntington, West Virginia

5th Avenue in Huntington, West Virginia runs through the heart of the Marshall University campus and consists of four lanes of one-way traffic and two rows of parallel parking. Traffic regularly exceeds the posted speed limit and creates a dangerous environment for pedestrians trying to cross.

A concept was developed to slow traffic and create a safer and more aesthetic environment. 5th Avenue would be converted into two-way traffic and lane widths reduced. This creates space for the landscaped center "refuge" island. Accentuated crosswalks and bump-outs greatly reduce the risk of crossing the street while creating a more attractive boulevard that would enhance the university and the city.



Existing 5th Avenue



Concept Sketch

LANDSCAPE ARCHITECTURE



City of St. Albans
Library Parking Lot
602 4th Street
St. Albans, West Virginia

For years the St. Albans Public Library operated with limited parking, so when funds became available in 2001 to construct additional parking, Chapman Technical Group was selected to provide a design which not only met the functional requirements of the project, but one that would be an asset to the community as well.

Due to the sloping site, terraced parking and retaining walls were required. For the walls Chapman Technical Group chose the Anchor Vertica-Pro precast concrete block, both for its strong engineering properties and aesthetic qualities. To protect pedestrians from the four-foot drop of the upper wall, a black, vinyl-coated chain link fence was used, which tends to disappear in the landscape. Pedestrian crosswalks were identified by using patterned, colored asphalt in the form of brick pavers. In keeping with the renaissance of the downtown St. Albans area, modern lighting fixtures were provided, using both area lighting and pedestrian-scale fixtures. Engineering challenges included the coordination of utility relocation and the design of a stormwater collection system.





**South Charleston Sanitary Board
New Three-Bay Equipment Garage**
114 Monongalia Street
South Charleston, West Virginia

This building is a three-bay garage for large construction equipment. The area of this building is 2,320 square feet. The height of the single bay is 24 feet and the height of the double bay is 20 feet. Three skylights illuminate the interior of the building. This building also has two small storage rooms and a mezzanine for storage. For heat, two radiant tube heaters are suspended from the ceiling.





Buckhannon-Upshur County Airport
Snow Removal Equipment Building
38 West Main Street
Buckhannon, West Virginia

As part of the continuing expansion of the Upshur County Airport, Chapman Technical Group provided design and construction administration services for the three-bay Removal Equipment building. The building and the site were designed to easily accommodate future expansions. The 3,200 square-foot facility was completed in 2002 at an approximate cost of \$300,000.





Philippi Board of Trade

Philippi Multi-Tenant Facility

124 North Main Street

Philippi, West Virginia

This project involved the design of a 50,000 square-foot, one-story, multi-purpose/multi-tenant office and industrial facility. Also included was the development of a 35-acre site including roads and parking areas, electrical and power requirements, and storm, sewer and water systems, as well as all landscaping.



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 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 (Elec-
trical): KY, WV, IN, GA, TN,
TX, NV, NC, MS, MI, AL, CA

LEED Accredited Profes-
sional, 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.



Cory Sharrard, PE, LEED AP

Mechanical Engineer

Experience

Cory possess more than 20 years' experience with mechanical engineering including design of traditional water source heat pump (WSHP), geothermal WSHP, hybrid geothermal WSHP, variable refrigerant flow (VRV), split system, rooftop units, unit ventilators, variable air volume (VAV), and ice storage systems. Her experience includes numerous K-12, higher education, vocation school, detention center, church, and library projects.

Years of Experience: 20
Years with GRW: <1

Education

B.S., Industrial Technology,
1996, Murray State
University

B.S., Mechanical
Engineering, 1998,
University of Kentucky

Registration

Professional Engineer: KY
(NY & WV, Reciprocity
Pending)

NCEES Member allows
reciprocity with other
states

LEED AP

Affiliations

American Society of
Heating, Refrigerating and
Air-Conditioning Engineers

Kentucky Society of
Professional Engineers

Berea Independent Schools HVAC Renovation: Berea, KY

Corbin Independent Schools Middle School HVAC Renovation, Corbin: Corbin, KY

Western Kentucky University Boiler Replacement: Bowling Green, KY

Madison County Schools Bus Garage: Richmond, KY

Sayre School New Lower School: Lexington, KY

Scott County Schools Facility Surveys: Georgetown, KY

Scott County Schools Cooling Tower Projects: Georgetown, KY

Scott County Schools Energy Projects: Georgetown, KY

Western Kentucky University Boiler Replacement: Bowling Green, KY

Hickman County Justice Center: Clinton, KY

Bullitt County Detention Center: Shepherdsville, KY

Frankfort Public Safety Facility and Emergency Operations Center: Frankfort, KY

Olive Hill Community Center: Olive Hill, KY

City Hall: Upper Sandusky, OH

Capital Plaza Complex HVAC Renovation: Frankfort, KY

Appalachian Regional Healthcare McDowell Clinic Hot Water/Chilled Water Piping: McDowell, KY

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