



**Chapman  
Technical  
Group**  
a division of  
GRW

September 19, 2023

Department of Administration, Purchasing Division  
2019 Washington Street East  
Charleston, WV 25305-0130

**Re: A/E Services for  
Canaan Valley Resort State  
Park Trail and Parking  
Improvements**

Dear Selection Committee:

Chapman Technical Group is most interested in providing the architectural and engineering services for the trail and parking improvements project at Canaan Valley Resort State Park. Our project team has most recently completed a portion of the Meadow River Trail in Greenbrier and Fayette County and the Clear Fork Rail Trail is currently under construction in Raleigh County. We have also designed kiosks and signage for projects such as the Nuttallburg Mining Complex in the New River Gorge, and we have designed boardwalks at Pipestem State Park. Our team includes architects, structural engineers, mechanical and electrical engineers, and a graphic designer. Our working relationships with WVDNR personnel ensure that the development of this project will be efficient and effective.

We have experience working with projects funded by the Land Conservation Fund (LWCF), the most recent being Tucker in Davis, West Virginia, and we have been involved in erosion mitigation due to previous LWCF funding. Over the years we developed an excellent working relationship with John [redacted] in the West Virginia Department of Economic Development, and we have worked closely with the LWCF in West Virginia.

We will meet the goals and objectives of the project as follows:

2.1 We will visit the project sites and document existing conditions with field surveys and photographs. We will formulate designs that will meet the project goals while enhancing the user experience at Canaan Valley Resort State Park.

2.2 Designs will be executed to comply with applicable codes and standards, consistent with DNR needs and objectives and within the DNR budget.

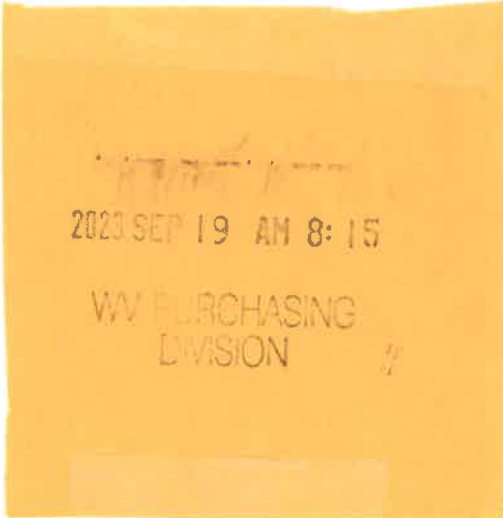
2.3 We will provide construction administration services using the design professionals who designed the project.

200 Sixth Avenue  
Saint Albans, WV 25177

304.727.5501

Buckhannon, WV  
Lexington, KY

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



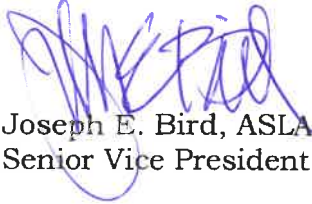


Selection Committee  
September 19, 2023  
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You will find all the requested information regarding our firm and within this submittal. We would very much appreciate the opportunity to present our project team and further discuss your project. Meanwhile, if you have any questions or need additional information, please contact me at (304) 727-5501 or by email at [jbird@chaptech.com](mailto:jbird@chaptech.com)

Sincerely,

**CHAPMAN TECHNICAL GROUP**



Joseph E. Bird, ASLA  
Senior Vice President

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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



## Meadow River Trail

Greenbrier/Fayette Counties, West Virginia

The Meadow River Trail is 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 construction of 17 miles of compacted aggregate trail and the rehabilitation of six railroad trestles, which will be rebuilt to accommodate pedestrian, bicycle, and equestrian traffic.

After the project was initially designed but before construction, the project area was subjected to flooding. FEMA provided funding for flood remediation, which was then included in the overall design of the project.

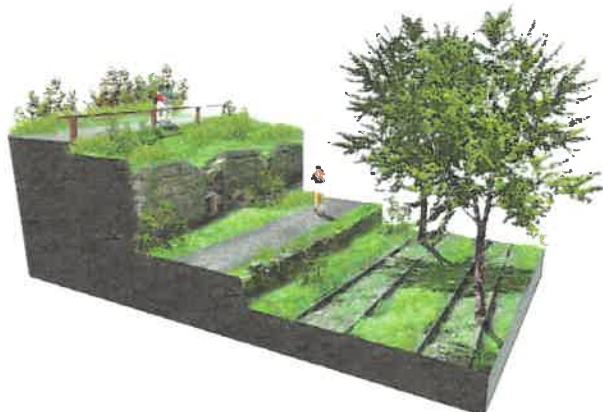


# LANDSCAPE ARCHITECTURE



## Nuttallburg Mine Complex New River Gorge, West Virginia

Nuttallburg was the site of an old coal town built around a mining complex in the New River Gorge National Park. As a National Park Service project, the area was rehabilitated to allow visitors to explore the ruins of the town and mine operation. Although accommodations were developed for the visitors, care was taken to maintain as much of the site in the same condition as it might have been when the mine was still functioning. On-site materials were used as much as possible and new materials were selected that would "age" quickly to reflect the historic nature of the site. Chapman Technical Group provided landscape architectural and site design services.





## WV Division of Natural Resources Pipestem Resort State Park Boardwalk Pipestem, WV

As part of larger project to improve facilities at Pipestem Resort State Park, Chapman Group worked with CAS Structural Engineering to design a boardwalk at the upper tram station to provide handicapped access and provide a convenient pathway for transporting tram equipment in need of maintenance. The boardwalk was designed to blend with the natural environment and minimize the impact on the park.





## Clear Fork Rail Trail - Phase I

Jarrolds Valley to Ameagle, WV

Phase One of this Rail-to-Trail project is under construction. This nearly 8-mile trail requires the restoration of railroad bed to a safe pedestrian and equestrian trail. The project also includes the reconstruction of five trestles ranging from 12 feet to 144 feet in length.

An important part of the project is the reconstruction of four Abandon Mine Land sites. These sites require a special soil cap, topsoil and seeding, and turf reinforcement matting. The restored sites will enhance the view from the trail to the former mine waste sites.

New trail heads, installation of several culverts, and new signage all along the trail will enhance this Raleigh County, West Virginia recreational project.





## City of Lewisburg L & R Trail - Phase I Lewisburg, West Virginia

The first phase of the West Virginia Division of Highways Recreational Trails Program in Lewisburg has been completed. The trail follows the right-of-way of the old L&R Railroad and when all phases are finished, it will link Lewisburg and Ronceverte and provide more recreational opportunities for the people of Greenbrier County. The trail winds through a residential neighborhood just outside of downtown Lewisburg, but the trail follows the existing contours and was colored to suggest its recreational intent.





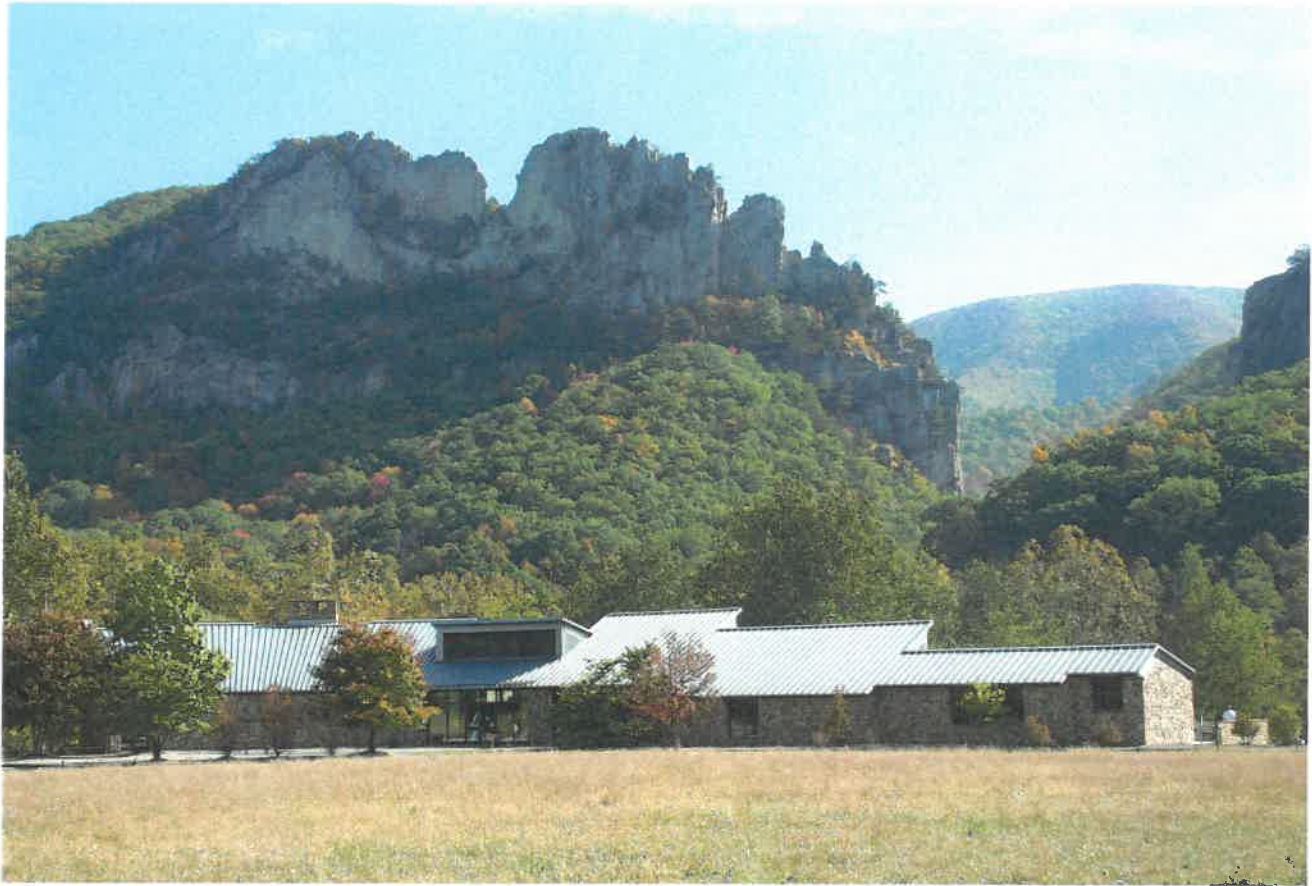
## Bluegrass Parkway Bicycle and Pedestrian Trail

Jeffersontown, Kentucky

The City of Jeffersontown selected Chapman Technical Group to design an eight to ten-foot-wide, 3.5-mile-long paved bicycle and pedestrian path. The first phase of the trail is adjacent to Bluegrass Parkway from Hurstbourne Parkway to Watterson Trail. The second (future) phase continues along Bluegrass Parkway from Watterson Trail to Tucker Station Road, then turns along Tucker Station Road adjacent to Papa John's Headquarters and terminates at Plantside Drive in Jeffersontown. The multi-use path is part of the larger Jeffersontown Gaslight Recreational and Workplace Bicycle and Pedestrian Trail, and is intended to enhance the quality of life in the City by providing alternate means to the automobile. The path encourages physical fitness, family exercise, and creates a link between where people live and work.



The concrete trail design included the design of horizontal and vertical alignment, drainage features, typical sections, profiling, and easement preparation. Extensive coordination efforts with various utility companies was an integral part of the project. Preliminary conversations verified that the underground utilities minimum depths would not be affected by excavation for the trail, and at-grade utilities were either moved away from the path or raised to match the trail's elevation and slope.



## Seneca Rocks Visitors Center Site Development

Seneca Rocks, West Virginia

Working with architectural firm Susan Maxman Associates, Chapman Technical Group provided site development services for a new visitor's center that would provide visitors a unique experience of Seneca Rocks, a popular tourist attraction for the state. Pedestrian walkways and vehicular circulation were emphasized in the project as well as integration into the existing site. Susan Maxman Architects relied on Chapman Technical Group for site grading, drainage, utilities, and material selection. Visitors can walk existing trails and enter the new facility through a series of raised walkways, pedestrian bridges, and overlooks.





## Eleanor Sidewalk Project

Eleanor, West Virginia

The Town of Eleanor wants to improve access to the County Park by expanding the sidewalk network. The project will include work will consist of approximately 5,000 lineal feet of sidewalk, a set of stairs from the upper level at Ivywood Street, down to the Park & Fair Ground level near the Eleanor Pool parking lot, a set of stairs from the upper level at the edge of the Beech Grove Cemetery, down to the Park & Fair Ground level near Disc Golf Hole #16, a pedestrian bridge across Buffalo Creek near the Amphitheater, pedestrian-scale lighting, and amenities such as benches, trash receptacles, drinking fountains (where potable water service is readily available), and signage.





## Guyandotte Boating Access WV Division of Natural Resources

324 4th Avenue  
South Charleston, West Virginia 25303

The West Virginia Division of Natural Resources teamed with the City of Huntington to develop boating access on the Ohio River in the Guyandotte area of Huntington, West Virginia. An extra-wide ramp will allow for two boats to be launched at the same time, and an ADA-compliant courtesy dock will allow for easy passenger access.

Parking for more than 50 cars and trailers will be provided. The site was designed using low-impact, green infrastructure techniques.







## Upper Big Branch Miners Memorial Whitesville, West Virginia

The Upper Big Branch Miners Memorial was designed by Chapman Technical Group as a way to honor the memory of 29 miners who died in the April 5, 2010 disaster.

The centerpiece of the memorial is a 48-foot long, 8-foot high, granite monument cut to reflect the mountains of West Virginia and etched with silhouettes to represent the lost miners. The back of the monument is etched with the miner tributes and the history of mining in West Virginia. Other smaller tributes and memorials are located within the memorial park. The memorial was designed to be very visible from the highway and yet also provides intimate spaces for quiet contemplation and opportunities for learning about West Virginia's coal heritage.



## St. Albans Library Parking Lot

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 Vertical-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.





## Algood Park Algood, Tennessee

Chapman Technical Group/GRW developed a master plan for a new park in Algood, Tennessee. Based upon community input, the park will include picnic shelters and support facilities on the west parcel, and more active recreation opportunities on the east parcel. A spray park is planned, along with varying levels of playground facilities leading to an adult-sized boulder park. Fitness stations will be provided and a quarter-mile walking trail will lead to a new pond which will provide aesthetic appeal and additional recreational opportunities. A small community center will be the focal point of the west parcel and an amphitheater will provide a casual entertainment venue. Two dog parks will make the park pet-friendly. Construction of the park will be phased as funding becomes available.





# Joseph E. Bird, ASLA

## Senior Vice President Project Manager

Years of Experience: 44  
Years with Chapman: 37

### Education

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

### Registration

Architect: WV, KY, IN

### Affiliations

Council  
of Landscape  
Architectural  
Registration Boards

WV Chapter,  
American Society of  
Landscape Architects

## Experience

Joe has been involved in a wide range of projects in his 40+ 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 site development to major architectural projects. His experience includes coordinating the efforts of various local, state, and federal agencies.

### Site Development

Site planning and project management for numerous projects throughout West Virginia ranging from small campus sites to large sites for commercial, government, industrial, and institutional development. Projects include military complexes, campuses, public housing developments and other public facilities.

### Parks and Recreation

Projects include, master planning for municipal parks, swimming pools, bathhouses, cabins and support facilities for the West Virginia Division of Natural Resources and similar facilities for county and municipal park systems. Also involved in the design of facilities such as softball fields, fishing access facilities, recreation facilities for prisons, as well as passive recreation areas for public and private clients.

### Miscellaneous

Other project experience includes the urban planning and development, streetscape design, roadway and storm drainage projects, as well as the project management of numerous major architectural projects throughout West Virginia.

### Recent Relevant Experience

Old Central City Gazebo Space Redesign; Huntington, WV  
Smith Street Streetscape; Charleston, WV  
St. Albans C Street Plaza; St. Albans, WV  
Scottsville Streetscape; Scottsville, KY  
Meadow River Trail; Greenbrier County, WV  
Clear Fork Trail; Raleigh County, WV



# Roger Kennedy, ASLA

## Landscape Architect

Years of Experience: 32  
Years with Chapman: 31

### Education

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

### Registration

Landscape Architect: WV,  
KY

### Affiliations

Treasurer, WV Chapter,  
American Society of  
Landscape Architects

Member, St. Albans Rotary

Scoutmaster, Scouts BSA  
Troop 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

## 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.

### Site Design and Land Development

Responsibilities include grading design, site planning and layout, analysis of existing features and services, storm water design and management, erosion control, as well as project management. Projects include streets and sidewalks, trails, military complexes, banks, airports, subdivisions, boating facilities, fueling stations and other public facilities.

### Recreation Design and Master Planning

Projects include pedestrian and multi-use trails; waterfront development; fishing and boating facilities; ski developments; sports fields; cabins and support facilities.

### Recent Relevant Experience

Meadow River Trail; Greenbrier County, WV  
Clear Fork Trail; Raleigh County, WV  
Lewisburg Sidewalk Projects; Lewisburg, WV  
Guyandotte Boat Ramp; Huntington, WV  
Winfield Boat Ramp; Winfield, WV  
WV State Capitol East Campus; Charleston, WV  
Pollard Mills Sidewalk Project; Ashland, KY  
Civil War Trail; Lewisburg, WV  
Church and Court Streets Traffic Calming Plan; Lewisburg, WV



## Kelly Estep, ASLA Project Manager

Years of Experience: 29  
Years with Chapman: 5

### Education

West Virginia University  
BS Landscape  
Architecture, 1993

## Experience

Kelly's design experience includes master planning, site design, stormwater management, and landscape design. She has been involved in park projects, sidewalk and streetscape projects, roadway replacement projects, ADA curb ramps, bio-retention and rain gardens. Her specific project experience includes the following projects:

- West Virginia State Capitol Complex Hardscape Renovations
- Meadow River Trail FEMA and TAP Projects
- Nitro 2nd Avenue Streetscape
- St. Albans Sidewalk Project
- Lewisburg South Lafayette Sidewalk Project
- Lewisburg 219 South Sidewalk Project
- Ashland (KY) Dixon Street Renovation
- Petersburg Curb Ramp Replacement Project
- Salem Curb Ramp Replacement Project
- Hurricane Mainstreet Streetscape Project
- Old Central City Gazebo Project

For 13 years Kelly worked in commercial construction as a Project Manager. She managed design-build and design-bid-build projects for private entities and State agencies. Significant projects included WV Department of Environmental Protection Headquarters building, two University of Charleston resident housing projects, and a multi-agency office building for the WV Department of Health & Human Resources. Working with clients, designers, and subcontractors, Kelly coordinated design-build projects from conception to completion. She managed project design development, monitored budgets, issued contracts, developed and maintained the project schedule. She worked with project superintendents to coordinate subcontractors, submittals, and material purchases.



# W. Thomas Cloer, III

NCARB, AIA  
Project Architect

Years of Experience: 22  
Years with Chapman: 16

## Education

B.S., Architecture, 2001  
University of Tennessee

## Registration

Architect: WV, VA, KY

## Affiliations

National Council  
of Architectural  
Registration Boards

AIA National

WV Chapter  
American Institute  
of Architects  
Past V.P. and Secretary

St. Albans Historic District  
Committee Member

## Experience

Tom has extensive architectural experience, having worked with clients on programming, planning, budget analysis, design, construction documents, bidding, 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.

### Comprehensive Educational Facilities Plan

Tommy worked as part of a team to develop the 2020 Comprehensive Educational Facilities Plan (CEFP) for both Ritchie County Schools and Clay County Schools. Work on the CEFP's include facilities assessments and reports, participation in educational planning committee meetings, presenting findings to the county board of education and assisting the county in translating educational needs into facility

### 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.

### Clay County High School Addition and Renovation; Clay, WV

Tommy worked closely with Clay County Schools to obtain a WV School Building Authority Needs Grant to fund the design and construction of a multi-million dollar addition and renovation to the 106,000 sf Clay County High School. The project included the design and construction of a new multipurpose Commons Area that can serve as additional cafeteria space, a lobby for the gymnasium during sporting events and graduation, and as an area for students to congregate before and after school. Major renovations to the gymnasium and locker rooms include a new gym floor, bleachers, basketball and volleyball equipment, lockers, and shower rooms. In addition to renovating all of the toilet rooms, the school also received new doors, windows, light, paint and a new HVAC system was also installed throughout the school.



# Phillip A. Warnock, NCARB, AIA

## Project Architect

Years of Experience: 31  
Years with Chapman: 19

### 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

## 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.

### WV Division of Natural Resources, Building 74 Renovation; Charleston, WV

Project Architect for evaluation and recommendations for possible improvements and upgrades to building systems in three-story, 37,000 SF, masonry-construction facility that houses approximately 100 employees. Among improvements selected for design are replacement of heating and cooling systems, windows, T5 lighting with LED fixtures, and replacement of ceilings and floor finishes, as well as new DDC controls throughout building.

### WV DOT Rest Areas and Welcome Centers

Project Architect for the design and construction 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.

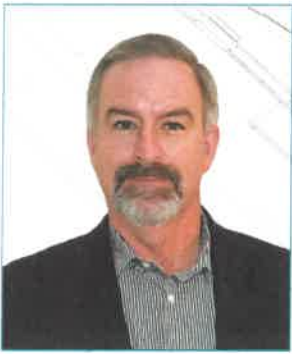
### District One Equipment Shop Building; Charleston, WV

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 Patterson Building in downtown Mt. Hope. The Coal Heritage Discovery Center is designed to house WVDNR WMA Storage Buildings 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 cafe seating.





# Robert G. Belcher, P.E.

## Senior Vice President Project Officer

Years of Experience: 39  
Years with Chapman: 36

### Education

B.S., Civil Engineering, 1983,  
West Virginia Institute of  
Technology

### Registration

Civil Engineer: WV, OH, VA

### Affiliations

WV Water Environment  
Association

Contractor's Association of  
WV

WV American Water Works  
Association

WV Society of Professional  
Engineers

WV American Council of  
Engineering Companies

WVUIT Civil Engineering Ad-  
visory Board

WV Qualifications Based  
Selection Council

### Awards

George Warren Fuller  
Award, 2001

## Experience

### Water Systems

Design and project management for numerous water systems for both public and private water companies. Projects include new water treatment plants as large as 6.0 MGD, improvements to existing plants, water mains and distribution systems. Water storage projects include glass-lined steel tanks, welded high-strength steel tanks, elevated pedestal tanks, and pre-stressed concrete tanks.

### Wastewater Systems

Design and project management for numerous wastewater systems throughout West Virginia. Projects include new, secondary and tertiary wastewater treatment plants as large as 4.5 MGD, improvements to existing plants, small-flow treatment plants, new and rehabilitation of wastewater collection systems, and facility plan updates.

### Miscellaneous

Design and project management for large highway and bridge projects, airport improvements projects, large stormwater management projects including assistance with MS4 compliance, as well as potable water and wastewater system design for site development projects throughout West Virginia.



# Jason Brown, P.S.

## Professional Surveyor

Years of Experience: 28  
Years with Chapman: 13

### Education

A.S., Land Surveying, 2002  
Glennville State College, WV

### Registration

Professional Surveyor: WV,  
KY, VA, PA

### Affiliations

WV Society of Professional  
Surveyors

## Experience

Jason leads the Chapman Technical Group survey team and is experienced in topographical and boundary surveys, as well as flood plain mapping, ALTA surveys, and construction layout. Jason also coordinates aerial mapping and LiDAR services with GRW, the parent company of Chapman Technical Group.

### Highways

Established control, site surveying, topographic surveying, courthouse research, drawing production, Right-of-Way Questionnaires, bore hole stake out, and all surveying associated with the initial and final design of WV highways.

### Site Development

Experienced in all types of surveying associated with site development, to include control, topographic boundaries, research, and drawing production. Projects include military complexes, public housing, commercial development, industrial and institutional complexes, churches, resorts and public facilities throughout the state.

### Schools

Associated surveying for new schools, additions, athletic fields, and sidewalks projects.

### Parks and Recreation

Associated surveying for projects including swimming pools, bathhouses, cabins and support facilities for the West Virginia Division of Natural Resources and similar facilities for county and municipal park systems.

### Water/Wastewater/Stormwater Systems

Associated surveying for the design of water systems, sanitary sewer systems, and stormwater systems, including treatment facilities for both private and public systems throughout the state. Also, field experience in the inventory and collection of attribute data using GPS equipment for uploading to GIS databases.



# Gina R. Moore

## Business Development/Graphic Design

Years of Experience: 11  
Years with Chapman: 11

### Education

B.A., Graphic Design, 2025  
University of Southern New  
Hampshire  
(In process)

### Technical Skills

Adobe Suites,  
Photoshop, Illustrator  
InDesign

SketchUP  
Lumion

## Experience

Gina's contributions span a range of responsibilities including business development and client relations. She is responsible for development of project proposals and promoting the firm at conferences and other events. Her skills as a graphic designer enable her to develop advertisements and other promotional pieces, and have enabled her to produce architectural plan graphics, renderings, and intricate 3-D modeling. This combination of skills makes her a versatile professional.

### City of Oak Hill; Oak Hill, WV

Creation and rendering of 3-D models for "before and after" illustrations of building renovations as part of the development of Building Design Guidelines for the City.

### C Street Plaza; St. Albans, WV

Rendering of 3-D model of a proposed urban plaza on Main Street in St. Albans, WV.

### Old Central City Square; Huntington, WV

Rendering of 3-D models of proposed redevelopment of a community square in the historic Old Central City district in Huntington, WV.

### Autism Center; Kanawha County, WV

3-D modeling of concepts for a building complex to house a proposed Autism School and Clinic.

### Clear Fork Rail Trail; Raleigh County, WV

Rendering of 3-D models of a proposed rail trail in Raleigh County, WV

### Algood Park; Algood, TN

Rendering of final site plan and supporting graphics for a major community park.

### Pipestem Resort State Park Sprayground; Pipestem, WV

Rendering of 3-D models of proposed spray park and bathhouse at Pipestem Resort State Park.



# Structural Engineering, Inc.

## Carol A. Stevens, P.E. Structural Engineer

### EDUCATION

West Virginia University, BSCE, 1984  
Chi Epsilon National Civil Engineering Honorary  
The Pennsylvania State University, ME Eng Sci, 1989

### PROFESSIONAL REGISTRATION

P.E.	1990	Pennsylvania
P.E.	1991	West Virginia
P.E.	1994	Maryland
P.E.	2008	Ohio

### BACKGROUND SUMMARY

2001 – Present	President, Structural Engineer CAS Structural Engineering, Inc.
1999 – 2001	Structural Engineer Clingenpeel/McBrayer & Assoc, Inc.
1996 – 1999	Transportation Department Manager Structural Engineer Chapman Technical Group, Inc.
1995 – 1996	Structural Engineer Alpha Associates, Inc.
1988 – 1995	Structural Department Manager Structural Engineer NuTec Design Associates, Inc.
1982 – 1988	Engineer AAI Corporation, Inc.

### PROFESSIONAL ASSOCIATIONS

American Society of Civil Engineers, WV Section  
Past Past President  
National Society of Professional Engineers  
American Concrete Institute  
American Institute of Steel Construction  
West Virginia University Department of Civil and  
Environmental Engineering Advisory Committee  
West Virginia University Institute of Technology  
Department of Civil Engineering Advisory Comm

### CIVIC INVOLVEMENT

ASCE Christmas in April Project

### EXPERIENCE

**West Virginia, Central West Virginia Transit Authority (CENTRA):** Repairs to existing facility roof and parapet wall to repair leaks.

**West Virginia, Bluefield Transit Building:** Design of new office, maintenance and bus storage facility for the Bluefield Transit Authority.

**West Virginia, State Capitol Complex, Dome Structure:** Exploratory investigation and preparation of construction documents for repairs to structural steel in Capitol Dome.

**West Virginia, State Capitol Complex, Building 3:** Structural design and construction administration of repairs and renovations to limestone canopy.

**West Virginia, State Capitol Complex, Main Capitol Building Parapet:** Exploratory investigation of limestone/brick parapet/balustrade of Main Capitol Building to determine cause of movement/cracking/leaks. Construction contract for repairs has been awarded and work is progressing. Building is on State Historic Register.

**West Virginia, Huntington Parking Garage:** Designed structural repairs to existing parking facility. New deck expansion joints were installed at the upper level and a new deck coating system was applied to parking level above retail space.

**West Virginia, State Capitol Complex, Governor's Mansion:** Structural analysis and design in addition to evaluation report for modifications and renovations to several areas of mansion. Building is on State Historic Register.

**West Virginia, State Capitol Complex, Holly Grove Mansion:** Structural evaluation report for preliminary condition assessment of building structure. Building is on State Historic Register.

**West Virginia, State of West Virginia Building 2, California Ave Parking Garage, Charleston, WV:** Performed condition survey of existing 1950's reinforced concrete parking facility and recommended repairs to Owner. Owner opted to raze structure.

**West Virginia, St. Mary's Parking Structure:** Performed condition survey of existing post-tensioned

P.O. Box 469

Alum Creek, WV 25003-0469

(304) 756-2564 (voice)

(304) 756-2565 (fax)

A West Virginia Certified DBE Consultant  
Structural Engineering Certification Board

parking structure designed in 1978. Recommended repairs to the Owner.

**Pennsylvania, Sewickley Manor Parking Garage:** Performed condition survey of existing parking structure constructed in the 1960's. Structure consists of precast concrete beams and joists supported by concrete columns. Recommended repairs to Owner.

**Pennsylvania, Holiday Inn Parkway East:** Performed condition survey of existing structure designed in 1974. Determined that there were structural deficiencies and recommended repair solutions to Owner.

**Pennsylvania, Fifth & Neville Apartments Parking Garage:** Performed condition survey of existing parking structure constructed in the 1960's. Recommended repair solutions to Owner.

**West Virginia, Upshur County Courthouse:** Developed construction documents for structural repairs to main entrance and dome of 1899 structure. Work is currently under contract.

### **PREVIOUS EXPERIENCE**

**West Virginia, Huntington TTA Bus Garage:** Designed repairs to existing building foundation and floor slab in office area for project including renovations of offices, driver's and mechanic's area and locker room recreations room/break room.

**West Virginia, State Capitol Building:** Designed structural system to replace deteriorated reinforced concrete slab at landing on north side of Capitol steps.

**West Virginia, Farrell Law Building:** Performed analysis of existing deteriorated structural sidewalk over parking area. Recommended repair solutions for reinforced concrete and aged terra cotta façade of 1920's building.

**West Virginia, Upshur County Courthouse Annex:** Performed structural evaluation and design for repairs to existing multi-story Annex addition.

**West Virginia, Sissonville Library:** Structural design of new 7,000 SF branch library. Structure consisted of wood framing.

**West Virginia, Cabell Huntington Hospital Boiler Mezzanine:** Structural analysis and testing of existing reinforced concrete mezzanine with significant degradation from brine tank leakage. Developed new structural system to replace existing concrete mezzanine utilizing steel framing and steel grating.

**West Virginia, Beckley Wastewater Treatment Plant:** Designed reinforced concrete tanks and masonry support structures for new wastewater treatment plant.

**West Virginia, Morgantown High School Additions:** Designed steel framing and foundations for science classroom, cafeteria and gymnasium additions to existing education complex.

**West Virginia, Grafton High School Addition:** Designed steel framing and foundations for new science classroom addition to existing high school.

**Pennsylvania, Metropolitan Edison Company, Headquarters:** New 80,000 SF two-story office addition to existing complex.

**Pennsylvania, Defense Distribution Region East:** Structural engineering and design for a 33,000 SF Hazardous Materials Storage Warehouse.

**Pennsylvania, Glatfelter Insurance:** Design of steel framing and foundations for new 30,200 SF building.  
**Maryland, U.S. Army Corps of Engineers, Baltimore District, Administration Building:** Seismic design of new 10,000 SF masonry building.

**Pennsylvania, Carlisle Syntec:** Design of foundation supports for 800,000 lb rubber vulcanizing machine; enlargement of foreman's office including new framing to support mechanical equipment on roof; new monorail installation; extension of existing gantry rail.

**Pennsylvania, Engel Worldwide:** Steel framing and foundations for new 12,000 SF two-story office building; design of crane beams and columns for adjacent 60,000 SF crane building.

**Pennsylvania, AMP IMF:** Structural design for the renovation and conversion of a stamping facility into an integrated manufacturing facility (IMF) housing operations for stamping as well as blow molding processes.

**Texas, York International:** Structural survey of existing building structure for modifications to incorporate large testing and manufacturing areas for mechanical equipment.

**Maryland, Columbia 100:** Design of structural steel framing for new two-story 43,000 SF office building.

**Pennsylvania, York Federal Savings and Loan Association/New Service Corporation:** Design of steel framing, reinforced concrete retaining wall and foundations for new 14,400 SF two-story office building.

**Pennsylvania, Yorktowne Parking Garage:** Study of reinforced concrete/steel framed parking garage.

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## REFERENCES



1. **Mr. Matt Yeager**  
Deputy Chief, Planning, Engineering, and Maintenance  
West Virginia Division of Natural Resources  
South Charleston, WV 25303  
(304) 558-2764
2. **Honorable Scott James, Mayor**  
City of St. Albans  
1488 MacCorkle Avenue  
St. Albans, WV 25177  
(304) 722-3391
3. **Mark A. Crites**  
Building Project Management Specialist  
General Services Division – Engineering Section  
Building 4, Fifth Floor  
112 California Avenue



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

State of West Virginia  
 Centralized Expression of Interest  
 Architect/Engr

**Proc Folder:** 1283276  
**Proc Description:** A&E - Canaan Valley Resort Trail and Parking Improvements  
**Proc Type:** Central Purchase Order  
**Reason for Modification:**

Date Issued	Solicitation Closes	Solicitation No	Version
2023-08-30	2023-09-19 13:30	CEOI 0310 DNR2400000002	1

**BID RECEIVING LOCATION**

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

**VENDOR**

**Vendor Customer Code:** 000000207246  
**Vendor Name :** Chapman Technical Group  
**Address :** 200  
**Street :** Sixth Avenue  
**City :** Saint Albans  
**State :** West Virginia **Country :** USA **Zip :** 25177  
**Principal Contact :** Joseph E. Bird  
**Vendor Contact Phone:** (304) 727-5501 **Extension:** 3154

**FOR INFORMATION CONTACT THE BUYER**

Joseph E Hager III  
 (304) 558-2306  
 joseph.e.hageriii@wv.gov

**Vendor Signature X**

**FEIN#** 550704766

**DATE** September 18, 2023

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

**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.

(Printed Name and Title) Joseph E. Bird, Senior Vice President

(Address) 200 Sixth Avenue, Saint Albans, West Virginia 25177

(Phone Number) / (Fax Number) (304) 727-5501

(email address) jbird@chapttech.com

**CERTIFICATION AND SIGNATURE:** By signing below, or submitting documentation through wvOASIS, I certify that: I have reviewed this Solicitation/Contract 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/Contract 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 this bid or offer was made without prior understanding, agreement, or connection with any entity submitting a bid or offer for the same material, supplies, equipment or services; that this bid or offer is in all respects fair and without collusion or fraud; that this Contract is accepted or entered into without any prior understanding, agreement, or connection to any other entity that could be considered a violation of law; 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.

*By signing below, I further certify that I understand this Contract is subject to the provisions of West Virginia Code § 5A-3-62, which automatically voids certain contract clauses that violate State law; and that pursuant to W. Va. Code 5A-3-63, the entity entering into this contract is prohibited from engaging in a boycott against Israel.*

Chapman Technical Group

(Company) 

(Signature of Authorized Representative)

Joseph E. Bird, Senior Vice President      September 18, 2023

(Printed Name and Title of Authorized Representative) (Date)

(304) 727-5501/ NA

(Phone Number) (Fax Number)

jbird@chapttech.com

(Email Address)



ADDENDUM ACKNOWLEDGEMENT FORM  
SOLICITATION NO.: CEOI 0310 DNR240000002

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

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

**Chapman Technical Group**

Company

Authorized Signature

**September 18, 2023**

Date

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