

Expression of Interest

# A/E Services- Improvements to Five Boating Access Sites

Elk River Valley, West Virginia

Solicitation No. CEOI 0310 DNR1700000006  
West Virginia Division of Natural Resources  
June 15, 2017



06/15/17 12:49:00  
WV Purchasing Division





Expression of Interest

# A/E Services - Improvements to Five Boating Access Sites

Elk River, Kanawha County, WV

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**ELK RIVER**  
**QUEEN SHOALS**  
**PUBLIC ACCESS SITE**  
WEST VIRGINIA  
DIVISION OF NATURAL RESOURCES  
WILDLIFE RESOURCES SECTION

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June 15, 2017

Mr. Guy Nisbet  
Department of Administration, Purchasing Division  
2019 Washington Street East, Charleston, WV 25305

**Expression of Interest**

**Architecture/Engineering Services - Improvements to Five Boating Access Sites  
WVDNR Parks & Recreation | Elk River Valley  
Solicitation No. CEOI 0310 DNR1700000006**

Dear Mr. Nisbet,

From Vision to Ribbon, a project must be shepherded through multiple stages which often requires the knowledge and expertise of a number of skilled specialists. This commitment to delivering results is the primary mission of GAI Consultants, Inc. (GAI). We endeavor to balance imagination, creativity, and reliability by combining all the skills necessary to envision, design, plan, and manage your project to get the results you want, on time and on budget.

GAI is a 900+ person engineering, landscape architecture, planning, and environmental consulting firm with over 58 years of experience delivering innovative engineering solutions to our clients. Through engineering expertise and broad, deep knowledge of regulatory processes, we transform ideas into reality by developing solutions that make a real difference to our clients. We are extremely proud of the legacy of work that we have championed in West Virginia over the last 27 years, and we look forward to the opportunity to continue that relationship for the next quarter of a century and beyond.

As you read on, you will discover that what separates GAI from our competition is the wide variety of services that we can offer our clients under one "roof." Our unique business unit structure affords us the ability to assemble a specialized team of professionals whose combined technical knowledge encompasses the fields of engineering, landscape architecture, transportation, land use planning, development, zoning, urban design, public outreach, and civic engagement and process. We have also added American Muscle Docks and Fabrication to provide boat docks and ramps expertise to the project team. As a result, we are far better positioned than most to deliver high-level, creative yet pragmatic solutions for any type of project we are asked to perform.

As stated in our qualifications, we have completed multiple projects from across the region involving similar, if not identical services to the ones identified in your express of interest. Locally, GAI has begun work on Flood Mitigation Reconstruction and Elevation Projects for the Kanawha County Planning Commission. These multiple projects will first evaluate several flood-damaged residences along the Elk River to ascertain if the existing structures can be elevated, and further to reconstruct the many homes that were destroyed by the river during the June 2016 floods. GAI has also been selected to provide similar services for flood-damaged and destroyed residences within the corporate limits of the Town of Clendenin, also along the Elk River. GAI is currently evaluating or reconstructing 23 homes in response to the Elk



River flooding of 2016, from Big Chimney through Elkview, Blue Creek, Falling Rock, and Clendenin, all the way to the Kanawha/Clay County line, with the possibility of more homes being added to the list. This type of work requires an in-depth understanding of the requirements of the local floodplain managers, as well as the Federal Emergency Management, and the requirements of the Federal Emergency Management Agency's (FEMA) Hazard Mitigation Grant Program (HMGP), to properly design and construct new improvements above the Base Flood Elevation (BFE). Kenneth Kinder, PE, CFM (Certified Floodplain Manager), fully understands these requirements and will lead the charge for the WVDNR as we coordinate with the various governmental agencies' permitting and review processes.

Our history and familiarity with the WVDNR, combined with our intimate knowledge of the specific project requirements along the Elk River, will prove to be a valuable asset to the WVDNR Wildlife Resources Section, and will ensure the successful completion and implementation of this important infrastructure improvements project. This continued relationship demonstrates our capability to work collaboratively with our clients—Concept to Construction—advancing vision into tangible projects that will surely benefit the WVDNR and the citizens of West Virginia who use the Elk River Boat Launch facilities to live and recreate on a daily basis.

Because our employees are also citizens of Elkview, Pinch, Clendenin and the surrounding Elk River valley area, we feel we are not only servicing our WVDNR projects, but are stakeholders in them as well. We value the relationship we have built with the WVDNR over the years, and take the trust that we have earned from you very seriously. We look forward to speaking with you further about our qualifications and how the GAI team can help turn all of your potential projects into a reality. If you have any questions, please feel free to contact either Todd Schoolcraft (t.schoolcraft@gaiconsultants.com, 681.245.8878) or Kenneth Kinder (k.kinder@gaiconsultants.com, 681.245.8869).

Sincerely,

**GAI Consultants, Inc./Community Solutions Group**

A handwritten signature in blue ink that reads 'R. Todd Schoolcraft'.

R. Todd Schoolcraft, PLA, ASLA, LEED® GA  
Senior Landscape Architect

A handwritten signature in blue ink that reads 'Kenneth W. Kinder'.

Kenneth Kinder, PE, CFM  
Engineering Manager



# Section 1 TEAM OVERVIEW



# GAI CONSULTANTS



## Streamlining Solutions

GAI is a 900+ person engineering and environmental consulting firm with over 58 years of experience delivering innovative engineering solutions. *Transforming ideas into reality* since 1958, we currently serve our clients from 24 office locations throughout the Eastern, Midwestern and Southern United States. Through engineering expertise and broad, deep knowledge of regulatory processes, we offer solutions that make a real difference to our clients.

With an award-winning and respected professional reputation in multiple engineering, environmental, and technical practice areas, GAI distinguishes itself by our solid reputation of providing excellent customer service along with innovative yet practical solutions.

Our work in the following disciplines provides innovative and cost-saving solutions for clients in municipal, as well as energy, transportation, water, government, real estate, and industry.

## Our Clients

Our clients are highly respected global energy and manufacturing firms, transportation agencies, and national developers — as well as local communities and state and federal governments. They challenge us with projects that demand skilled technical expertise and sustainable results.

## Our Communities

Our numerous offices are organized to mobilize staff and services seamlessly. They foster a unique blend of professional consulting disciplines, dedicated engineering and environmental specialists, and local experts. We work, live, and give charitably to the communities we serve.

## Our Services Overview

- Airport Planning + Design
- Bridge & Structure Inspection + Design
- Coal Combustion Residuals Management
- Construction Inspection + Management
- Cultural Resources Management
- Economic Analyses + Strategies
- Electric Transmission Design + Siting
- Environmental Engineering
- Environmental and Species Studies + Permitting
- Gas Pipeline Surveying + Mapping
- Geographic Information Systems (GIS)
- Geotechnical Engineering + Geology
- Impoundment & Landfill Permitting + Design
- Land Development Engineering
- Land Surveying + Mapping
- Landscape Architecture + Design
- Master Planning + Urban Design
- Mechanical, Electrical, + Structural Engineering
- Natural Gas FERC Certification + Permitting
- Nuclear Energy Engineering Support
- Right of Way + Appraisal Support
- Transportation Planning + Design
- Utility Management Consulting
- Water, Stormwater, + Wastewater Management





GAI CONSULTANTS, INC.

*Experienced People, Open Minds,  
Fresh Ideas*

### What We Are

GAI's Community Solutions Group is an idea-driven strategic consulting practice integrating design, planning, and economics. We are committed to enhancing communities in ways that are practical, sustainable, and authentic to our clients' needs, while being politically aware, financially feasible, and aesthetically compelling. Our mission is to create livable places of lasting value in an increasingly connected, complex, and competitive world.

### Who We Are

The Community Solutions Group is a unique team of landscape architects, urban designers, land use planners, public finance and economic development specialists, and public administrators who capture the full dimensions of strategy and solution. Committed to positioning cities for a sustainable future, we are recognized for delivering insightful, thorough, and technically sophisticated solutions. We embrace a philosophy that values the complex interrelation of people, place, and policy while considering a project's ability to positively impact its investors, community, and setting. GAI's Community Solutions Group listens carefully and actively, questioning assumptions with positive energy and fresh ideas. We seek to understand our client, the place and its context, and the real substance of issues before we act. We are passionate about our work, care for people, and are purpose-driven practitioners with a track record of positive outcomes.

### What We Do

Our work centers on finding resolution to place-based problems by implementing context-sensitive, sustainable solutions that are economically and fiscally beneficial and implementable. We engage diverse community groups to affect positive outcomes with shared benefits through integrated solutions. Consequently, our clients include governments, agencies, institutions, and developers who share an equal need to address complex and inter-related challenges. We work from planning to policy and concept to construction across the scales of region, city and

campus; neighborhood, street, and site.

As an art, our practice requires an understanding of the nuances of feasibility, political sensitivity, urban form, relationships, and character of place. But as a science, it involves street geometries and hydrologic flows, floor-area ratios, densities, market economics, and financing mechanisms. We are effective because we are sensitive and sophisticated about implementing complex ideas across the platform of inclusive participation, thoughtful design, funding and finance, public policy, and community partnerships for initiatives both large and small.

**Civic + Site Engineering**

**Environmental Studies + Permitting**

**Geotechnical Engineering + Soil Science**

**Landscape Architecture + Design**

### Civic + Site Engineering

GAI's design process starts with client meetings. We listen to our client's needs and goals and discuss their envisioned master plan. We then analyze governing municipalities at all levels, and review ordinances for allowable use, site development requirements, and stormwater management ordinances to gain a solid understanding of the site specifics.

GAI evaluates existing site conditions, including topography, natural resources, wetlands and streams, drainage patterns, and existing or nearby utility and roadway infrastructure. We understand the importance of the early planning, so the site layout is in continuity with existing conditions and meets the intended use of the client.

GAI's land development professional are skilled in effectively utilizing existing conditions as much as possible to be cost effective, yet remaining compliant with



current regulations, and ultimately achieving the client's goals for the project.

### Environmental Studies + Permitting

Our professionals identify issues to avoid and minimize impacts where possible, prepare permit applications, and develop mitigation plans for unavoidable impacts. We develop cost-effective solutions to meet regulatory requirements while keeping projects on schedule.

GAI's environmental services encompass siting and master planning, as well as permitting. Our environmental specialists evaluate alternative sites, handle site inspections and features inventories, and rank sites by their potential for successful development—for energy facilities, industrial plants, commercial and retail centers, trails, transmission line corridors, and more. GAI's master plans identify infrastructure, layout, and access needs. Clients benefit from extensive scheduling, cost estimating, and regulatory agency approval experience.

### Geotechnical Engineering + Soil Science

Thorough site explorations detect geologic and environmental hazards that can disrupt site or project development. GAI's geotechnical expertise in site design includes addressing areas subject to expansive materials, sinkholes, and subsidence such as those underlain by karst and underground coal and limestone mines. GAI also has extensive site design experience in areas of potential seismic activity and those with liquefaction potential.

For many projects, soil is a finite and critical resource. GAI moves projects forward

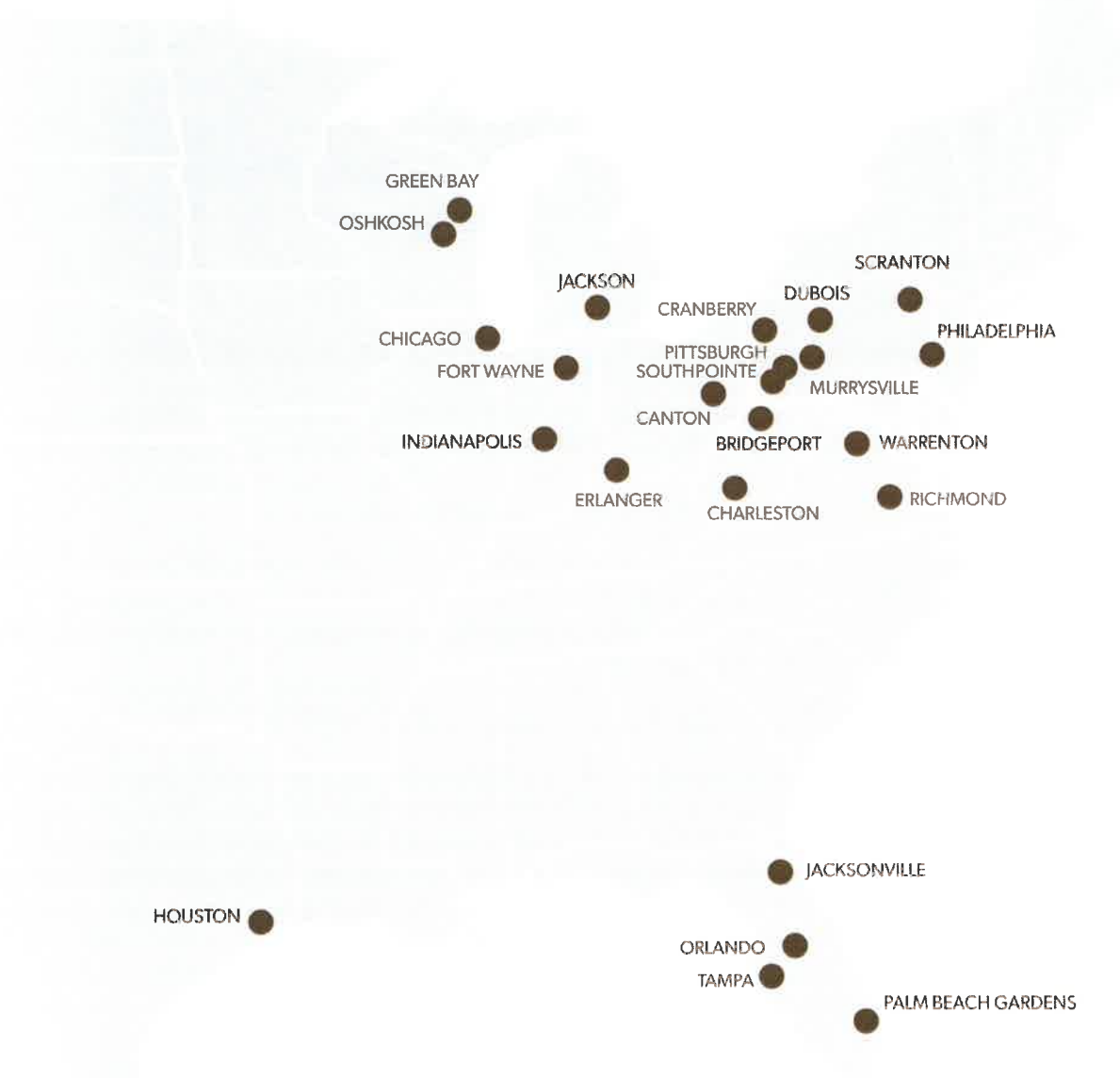
by evaluating subsurface and soil conditions and recommending the effective use of available soils. Knowing that projects require large amounts of soil and unconsolidated rock material, we help clients plan excavation sequences, processing needs, and optimum soil placement.

GAI's broad range of services includes feasibility studies that identify contaminated soils. We evaluate chemical, biological, hydrological, and regulatory factors, and recommend acceptable, cost-effective monitoring and remediation solutions that meet regulatory requirements.

### Landscape Architecture + Design

The Landscape Architecture Studio within the Community Solutions Group integrates an experienced team of professionals that strives to raise the standard of planning and design services to a new level with every project, producing sustainable, context-sensitive solutions that meet our clients' objectives. We listen to their concerns, their desires, and their needs; we gather a deep understanding of place and issues, and then deliver thoughtful and innovative solutions. The studio operates under a fundamental planning and design philosophy that seeks to develop solutions that make a positive contribution to the economic and social values of a community or place. Whether the question is community master planning and place-making, streetscape and corridor design, sustainable stormwater strategies (LID), parks and open space design or corporate and campus planning and design, we are committed to creating rich, diverse, and sustainable places for people; beautiful works that allow people to connect to the environment and that respect a community's cultural, historical, and environmental heritage.

# OFFICE LOCATIONS



GAI was established in Pittsburgh, Pennsylvania, in 1958, and currently has 24 offices in 11 states. Our strategic locations in West Virginia communities and surrounding states place your projects within reach of multiple GAI offices that can provide capabilities, expertise, and support throughout the duration of the project.

The GAI/CSG office location and point of contact for this project is:

### GAI/CSG – Charleston, West Virginia

Charleston Office  
300 Summers Street, Suite 1100  
Charleston, West Virginia 25301

*Primary Point of Contact:*

**R. Todd Schoolcraft, PLA, ASLA, LEED® GA**  
Senior Landscape Architect/Project Manager  
681.245.8878  
[t.schoolcraft@gaiconsultants.com](mailto:t.schoolcraft@gaiconsultants.com)

*Secondary Point of Contact:*

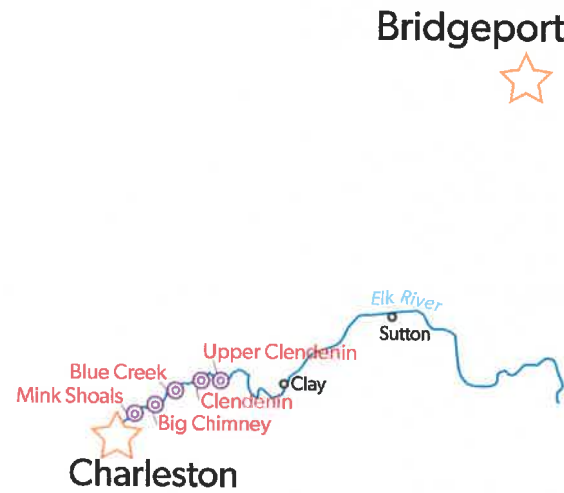
**Kenneth Kinder, PE, CFM**  
Engineering Manager  
681.245.8869  
[k.kinder@gaiconsultants.com](mailto:k.kinder@gaiconsultants.com)

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





GAI/CSG's downtown  
Charleston, WV office is a  
5 minute drive to the  
Mink Shoals project site and a  
30 minute drive to the  
Upper Clendenin project site.



**GAI** 100%  
**COMMITTED**  
to West Virginia  
.....  
**Local Office • Local Staff**

 = GAI/CSG West Virginia Office Locations



## ABOUT AMERICAN MUSCLE DOCKS

American Muscle Docks and Fabrication (AMD) is currently building and delivering both Individual and Cluster dock systems to the lake. It firmly believes its docks to be superior to many on the market because they contain more steel in critical areas (corner gussets and diagonal round bar preventing racking in the truss frames, larger tabs in dock-to-dock hinge connectors, and use of hex head bolts for all hardware, as opposed to carriage bolts for ease of maintenance). AMD uses the best value decking available and will deliver the flotation via tank tested and ACOE approved polystyrene filled floats. In addition to more steel, better decking, and quality flotation, it firmly believes that its workmanship far exceeds other available options upon close inspection. AMD mitered corners coupled with quality welds and intelligently designed frames help to insure its docks withstand the conditions seen on our lakes and streams for many years to come.

With competitive bidding and tight budgets the norm, its docks are competitively priced with docks of lesser quality—without sacrificing materials and workmanship. Additionally, it is committed to a high level of customer service after the purchase. AMD’s skilled craftsmen and competent technical staff are readily available to address any questions that may arise. These “added value” items are worth considering when comparing proposals. Not all frames, steel, workmanship, floats, or customer service are the same from company to company, but AMD brings to the table a package that is competitively priced while far superior when considering more than simply the lowest price.

AMD offers a variety of docks and docking components. More information on all of its dock systems and dock components can be found by visiting its website at [www.amdocks.com](http://www.amdocks.com).

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## THE STORY BEHIND AMERICAN MUSCLE DOCKS

Valley Manufacturing Inc., a fabrication company that has been doing business since 1963, was the sole metal fabricator for Follansbee Dock Systems since 1999 and had previously been producing dock hardware for another major marine business for four years. All truss frames, truss hardware, wood dock hardware, pile/pipe holders, Mr. Lifter jet ski lift's, and all specialty fabricated metal parts were manufactured under Valley's facility, only five miles from Follansbee's location.

In addition to marine manufacturing, Valley Manufacturing was also doing work for companies such as RCA, Zinc Corporation, WKW Industrial Services, Weirton Steel, Wheeling Steel, U.S. Army Corps of Engineers, Berwick Nuclear Powerhouse, and many more.

On January 12, 2012, the owners of Follansbee Dock Systems announced their intent to sell the business. Almost immediately following the announcement, Valley Manufacturing made an offer to purchase Follansbee Dock Systems. After a couple of months the deal was finalized, and Follansbee Dock Systems began operating as American Muscle Docks & Fabrication in a new 20,000 sq. ft. facility.

Customers can expect from American Muscle Docks the same great products provided by Follansbee Dock Systems, the extraordinary marine industry experience of Valley Manufacturing, and an excitement within the business to create new and innovative products.

**AMERICAN** – *USA employees utilizing USA steel*

**MUSCLE** – *Strength is our goal for every product*

**DOCKS** – *We offer simple to extravagant dock systems*

**FABRICATION** – *Have confidence knowing we are the manufacturer*

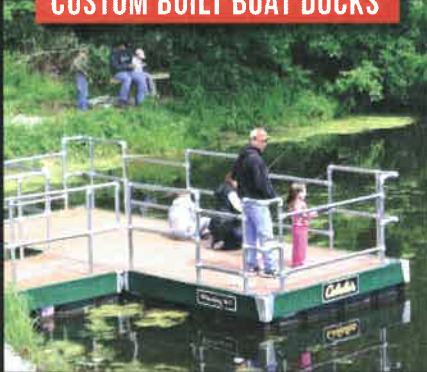


Manufacturer of  
strong Boat Docks  
and Hardware



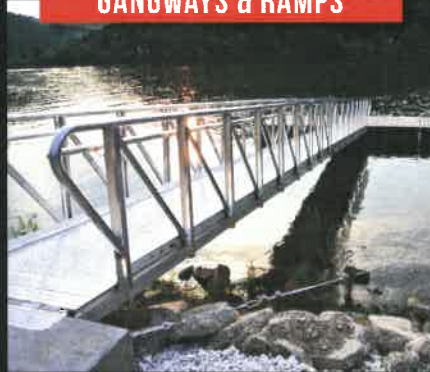
**AMERICAN  
MUSCLE**  
DOCKS & FABRICATION

**CUSTOM BUILT BOAT DOCKS**



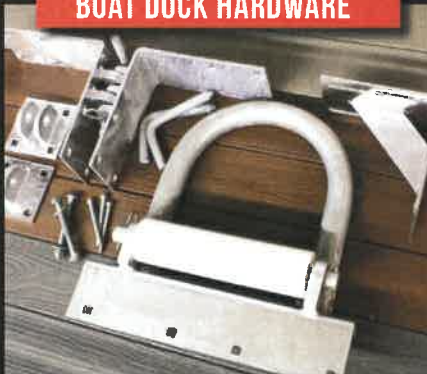
COMMERCIAL & RESIDENTIAL | FLOATING & STATIONARY

**GANGWAYS & RAMPS**



HEAVY & LIGHT DUTY | ADA OPTIONS AVAILABLE

**BOAT DOCK HARDWARE**



MANY OPTIONS & STYLES | STAINLESS STEEL AVAILABLE

**FLOATS & ACCESSORIES**



EVERYTHING TO COMPLETE YOUR DOCK OR MARINA

[WWW.AMDOCKS.COM](http://WWW.AMDOCKS.COM) ★ 800-223-3444

**CUSTOM BUILT BOAT DOCKS**

We build complete dock systems for Marina and Residential applications. Floating and Stationary Wood, Steel Truss, Steel Channel, Stainless Steel, and Aluminum dock systems are available. We also offer partially assembled docks, kit docks, and complete dock hardware kits for those wanting to build the docks on their own. AMD has the capability and capacity to assist with numerous dock designs, materials, and specifications.



Custom dock with Flash Siding and matching Piling Caps



Multipurpose park docks



Waterfront access docks



Steel truss dock utilized for giant water blob



Steel truss marina docks



Angled wood docks for marina use

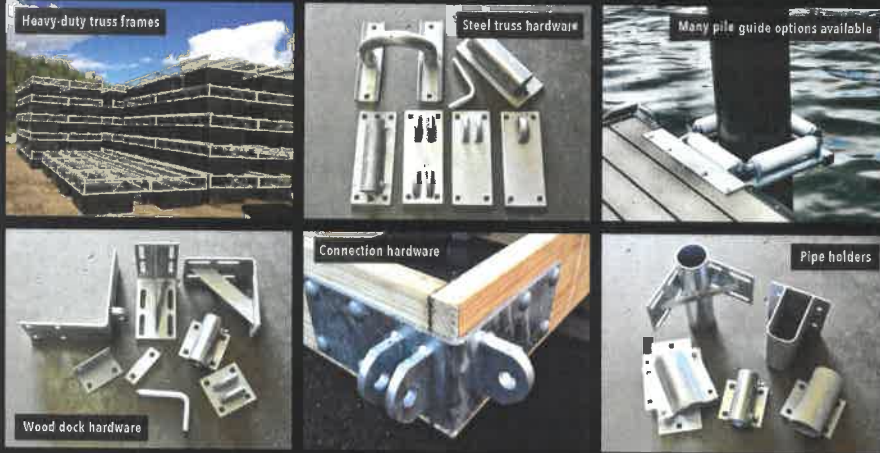
★ **WANT TO ADD STYLE AND COLOR TO YOUR DOCK?**  
**CHECK OUT OUR DOCK FLASH SIDING AND LIGHTING OPTIONS ONLINE** ★

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## BOAT DOCK HARDWARE

We manufacture a variety of dock hardware and offer custom fabrication services. You can purchase individual pieces or complete hardware kits.



## FLOATS & ACCESSORIES

Many float sizes and depths to fit different dock designs. Muscle Flange mount is available in select sizes. We also carry dock and marina accessories.



www.amdocks.com 800-223-3444 **AMERICAN MUSCLE DOCKS**®

## GANGWAYS & RAMPS

Aluminum ramps come complete with handrail on both sides, hinge connection on one end and roller system on the other. An optional transition plate is available for a smooth transition from ramp to dock. We offer Heavy Duty, 100 lbs per sq. ft., Live Load gangways for commercial use. We also offer Light Duty models for residential applications. Steel Truss, Steel Channel, and Wood ramps also available.

★ STANDARD & CUSTOM SIZES AVAILABLE ★



## JET SKI LIFT - MR. LIFTER 2.0

We have re-designed the classic Mr. Lifter to allow the lift to be used with the larger/heavier PWC on the water today. Our lift rotates 360 degrees to provide convenient and safe storage of your expensive watercraft, easier fueling, and cleaning. Mr. Lifter 2.0 comes in kit form ready for simple installation. All metal is hot-dipped galvanized to provide long lasting service. Manual clutch/brake winch or Electric winch options available.



★ This illustrates a snapshot of what we offer. We encourage you to check out our website or call to find out more about the many products and services we offer. We would appreciate any opportunity to earn your business!

**1-800-223-3444**

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FORMERLY KNOWN AS  
**FOLLANSBEE**  
Dock Systems

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## Section 2 KEY STAFF







# WEST VIRGINIA DIVISION OF NATURAL RESOURCES



**PRINCIPAL**  
**DAVE GILMORE,**  
**PLA, MBA**



**PROJECT MANAGER**  
**TODD SCHOOLCRAFT,**  
**PLA, ASLA, LEED® GA**



**CIVIL ENGINEERING  
AND PERMITTING**  
**KENNETH KINDER, PE, CFM**




**GEOTECHNICAL ENGINEERING**  
**CHARLIE STRALEY, MS, PE, PLS**



**ENVIRONMENTAL PERMITTING**  
**JAYME FULLER**

**BOAT DOCK SPECIALIST**  
**MARC HANNAH**  
**LUCAS DISERIO, MBA**



Resumes for team members shown are included on the following pages

# TODD SCHOOLCRAFT, PLA, ASLA, LEED® GA

Senior Landscape Architect

Role: Project Manager

Todd has over 25 years of experience in the fields of landscape architecture and land planning, with over 33 years of experience in the building and construction industry. Todd has extensive experience managing complex projects and leading multi-disciplined teams of professionals resulting in the successful delivery of numerous quality projects on time and on budget. Major areas of specialty include commercial development, military installation design, land planning, public development, site planning and design, park and recreation design, trails and greenways, streetscape design and urban planning, and residential subdivision layout.

Todd is a retired U.S. Army Officer, holding the rank of Major, with over 23 years of time in service in the U.S. armed forces. In his last years of service, he held the position of Operations Officer with the newly formed Chemical, Biological, Radiological, Nuclear or High Yield Explosive Enhanced Response Force Package Team (CERFP Team) with the West Virginia Army National Guard.

Todd was appointed by the governor to the West Virginia State Board of Landscape Architects and served over 9 years as Secretary and Treasurer.

## EDUCATION

- BS - Landscape Architecture, West Virginia University, 1991
- Safe Spaces: ASLA Security Design Symposium, Chicago, IL, 2004
- AQUA Conference Educational Sessions, Las Vegas, NV, 2005
- CERFP Team Training, WV Army National Guard, 2006

## REGISTRATIONS

- PLA, West Virginia, 1995
- RLA, North Carolina, 2005
- RLA, Ohio, 2002
- CLARB Certified, 2001
- LEED® Green Associate, 2012

## AFFILIATIONS

- WV State Board of Landscape Architects
- American Society of Landscape Architects
- WV Chapter – American Society of Landscape Architects
- Associate Member – AIA West Virginia
- Society of Military Engineers
- National Guard Association
- National Parks Conservation Association
- Rails-to-Trails Conservancy
- WV Nursery & Landscape Association

## Professional Experience

- **Stonewall Jackson Lake Resort State Park, Weston, WV. McCabe-Henley-Durbin, LLP and WVDNR, Parks & Recreation.** Project Landscape Architect. Responsible for master planning, conceptual design, detailed design, construction documents, bidding, and construction administration. Assisted in the development of a Master Plan for the expansion of Stonewall Jackson Lake State Park into a Resort Park. Further developed concepts, and finally detailed design and construction documents for the site development of a 200-room lodge with conference facilities and restaurants, patio and deck overlooking the lake, children's playground, 8 exposed timber-frame deluxe cabins, 18-hole Arnold Palmer Signature Golf Course with Clubhouse, maintenance facility, parking lots, roads, utilities, trails, campgrounds, boat launch ramp, boat dock, and other recreational facilities for this highly successful public/private joint venture to expand the facilities at Stonewall Jackson Lake near Weston, Lewis County, WV.
- **Mud River Lake Recreation Area, Lincoln County, WV. US Soil Conservation Service.** Landscape Architect. Master planning, conceptual design, detailed design, and construction document preparation. Assisted in the development of a master plan and construction documents for the development of a recreational facility associated with the flood control impoundments at Mud River Lake. Plans included a bath house, beach and swimming area, two comfort stations, boat launch facility, handicap accessible fishing pier, playgrounds, picnic shelters, water treatment facility, sewer treatment plant, maintenance facility, parking lots, roads, lighting, signage, trails, and other amenities for this destination fishing and recreation facility.
- **Mill Creek Lake Recreation Area, Grant County, West Virginia. US Soil Conservation Service.** Landscape Architect. Master planning, conceptual design, detailed design, and construction document preparation. Assisted in the development of a master plan and construction documents for the development of a recreational facility associated with the flood control reservoir, Mill Creek Lake. Plans included restroom facilities, boat launch facility, handicap accessible fishing





- pier, playgrounds, picnic shelters, parking lots, roads, lighting, signage, trails, and other amenities for this destination fishing and recreation facility.
- **Hinton Islands City Park Master Plan, Hinton, WV. City of Hinton.** Project Manager. Responsible for conceptual design and master plan preparation. Prepared a master plan for the development of Belle Point, City Island, and Cantrell Island at the confluence of the Greenbrier and New Rivers. A major asset for the City of Hinton is the New River which is joined by the Greenbrier River just below the Bluestone Dam. The City and private land owner, in an effort to strengthen and improve the quality of life for residents and visitors, initiated a master planning effort for Belle Point and the islands just downstream on the New River. The final master plan made recommendations for access improvements, handicap fishing piers, parking areas, restrooms, bridges, naturalized areas with trails, boat launch facilities, picnic shelters, playgrounds, fishing excursion/rafting launch point, RV campgrounds and check-in, caretaker's residence, bathhouse, lodge/retreat center, rustic cabins, barrier islands preservation, and historic log cabin restoration.
  - **Cedar Creek State Park Campground Expansion, near Glenville, WV. WV-DNR, Parks & Recreation.** Project Landscape Architect. Responsible for field inventory and analysis, base map preparation, conceptual design, and cost estimating. Developed concept design and master plan for the expansion of new campsites at Cedar Creek State Park. Improvements included new pull-through and spur campsites, park roads and parking, utilities, infrastructure, and landscaping.
  - **Ararat River Greenway Parks Projects, Mount Airy, NC. City of Mount Airy, NC.** Project Manager. Responsible for design and document quality oversight. Prepared construction documents and construction administration and inspection services for three parks along the Ararat River. The designs were based on a previously-developed master plan of the Ararat River Greenway. The first park, Riverside Park, includes basketball courts, playground structures, parking areas, a premier soccer field, picnic shelters, nature trails, canoe launch facility, restrooms, fencing, signage and landscaping. Rowe Environmental Park showcases environmental issues in the park design and construction, including an outdoor amphitheater and classroom, picnic facilities, nature trails, parking area, pedestrian bridge to nearby middle school, fishing access and canoe launch facility. The final park design is Tharrington Park, which includes a premier soccer field, additional soccer fields to create a soccer complex, access road and parking, fitness trail, restroom facility, concessions, and a maintenance building. The entire project is connected with a greenway/trail along the Ararat River, as well as the associated stream restoration effort in the Ararat River.
  - **Greenbrier River Rail-Trail Improvements for the WVDNR, Parks and Recreation Division in Greenbrier County, WV.** Project Landscape Architect. Responsible for field inventory and analysis, base map preparation, concept development, detailed design, and construction documents preparation. The banks of the Greenbrier River were literally washed away twice during severe flooding in 1996. Also washed away were parts of the Greenbrier River Trail, the 88-mile former rail line from Cass to Caldwell, which is maintained by the WVDNR. Our charge was to assess the damage on a 24-mile section of trail from Cass to Marlinton, which ranged from simple debris removal to replacement of the entire trail cross section and sub-base material. This inventory of damage was graphically represented utilizing digital scans of the original 1916 C&O Railway Co. Valuation Maps, indicating exact locations, the extent of damage, and treatment required.
  - **Star City Phase II Streetscape and Trailhead Improvements for the Town of Star City in Star City, WV.** Project Manager. Responsible for conceptual design, detailed design, construction documents, bidding, and construction administration. Developed schematic concepts, complete detailed design and construction documents, and provided bidding and construction management services for a phase II streetscape and trailhead improvements project for Star City. Project consisted of five blocks of streetscapes along the scenic riverfront of the Monongahela River, tying into the Caperton Trail, a destination rail-trail in northern West Virginia. Amenities included concrete sidewalks with brick accents, architectural brick gravity retaining wall with lighting niches, "gas light" period light fixtures, concrete curb and gutter, ADA accessible curb ramps with truncated dome specialty pavers, crosswalks, storm sewer improvements, benches, trash receptacles and landscaping.
  - **Pennsboro Trailhead, Old Stone House/Boarding House, and Historic B&O Train Depot Improvements for the City of Pennsboro and the Ritchie County Historical Society in Pennsboro, WV.** Project Landscape Architect. Responsible for concept planning, detailed design, construction documents, bidding, construction administration and construction inspection. The Ritchie Co. Historical Society, in conjunction with the City of Pennsboro, solicited services for the planning and detailed design of a new trailhead along the North Bend State Park Rail Trail. Site improvements include the first known use of pervious or porous asphalt in West Virginia as the pavement surface for the parking area. A rain garden/bio-retention swale was also included as some of the green, sustainable design solutions proposed. Construction administration and inspection services were provided for the trailhead work, plus restoration of the Old Stone House and Boarding House, built in 1810. Now a museum, the House once served as an inn for Americans heading to the western frontier. Construction services also included the continued restoration of the historic B&O Railroad Depot in Pennsboro, also currently serving as a museum. This project was awarded an ASLA Merit Award.

# DAVID GILMORE, PLA, MBA

Director, Landscape Architecture / Charleston Office Leader

Role: Principal

Dave currently serves as the Director of Landscape Architecture services for GAI's Community Solutions Group. In this role, he coordinates projects and marketing activities for all of GAI's offices throughout the Northeast and Midwest regions. In this capacity, Dave brings more than 27 years of experience on a diverse range of projects covering all aspects of landscape architectural design in both the public and private sector.

Throughout his career, Dave has been actively involved in a wide variety of challenging projects. His experience includes public outreach and programming, construction document and technical specification preparation, site analysis, schematic design, construction administration, master and land use design (campus, riverfronts, resorts, parks, recreational, residential, industrial, and commercial), streetscape and municipality improvements, landscape and hardscape design, and graphic presentation drawing.

Dave also remains active with the West Virginia University School of Landscape Architecture and has won multiple awards from the American Society of Landscape Architects for his work.

## EDUCATION

- MBA, Point Park University, 2015
- BS - Landscape Architecture, West Virginia University, 1988

## AFFILIATIONS

- American Society of Landscape Architects (ASLA)
- Council of Landscape Architectural Review Board (LARB)
- American Society of Landscape Architects - West Virginia Chapter (WVASLA)
  - Past State Licensing Board
  - Past President
  - Executive Committee Member
  - Chairman, Licensing and Sunset Review Committee
  - Judge, Senior Design Awards, West Virginia University

## AWARDS

- Haddad Riverfront Park – ASLA, Award of Excellence
- National Youth Science Center Master Plan – PAAIA Honor Award
- National Youth Science Center Master Plan – American Society of Landscape



- Architects, Award of Merit
- Haddad Riverfront Park – WVAIA, Honor Award
- Florida Street Revitalization Master Plan – ASLA, Award of Merit
- Dupont 'Hyper' Plaza – ASLA, Award of Merit
- *WV Focus Magazine*, If You Build It They Will Come, July 2015
- Charleston Civic Center Design Competition, First Place
- Top of Rock Design Competition, First Place

## Professional Experience

- **Haddad Riverfront Park, Charleston, WV.** Master planning, public participation services, design, construction, and engineering solutions for the renovation of the Haddad Riverfront Park, which is a popular concert, festival and leisure site in downtown Charleston, West Virginia. Among the City of Charleston's project requirements were a retractable canopy to provide protection and visual interest, an overlook plaza, and pavilion that extends Court Street to the Kanawha River, an extension of the lower wharf area, a new streetscape design along Kanawha Boulevard, and an event stage for concerts.
- **Charleston Civic Center, Charleston, WV.** Design competition winner for a \$100 million renovation to the Charleston Civic center. Design highlights include a river trail, new streetscape and entrance features and a new riverfront park and boardwalk.
- **Mingo Creek County Park, Washington County, PA.** Master planning services for a 3,500-acre park master plan as part of an overall park, recreation, and open space plan for Washington County. A few of the recommendations included streamside boardwalks, a disc golf course, group campgrounds, and an amphitheater.
- **Slack Plaza Master Plan, Charleston WV.** Master planning and rehabilitation of a large urban plaza in downtown Charleston. The existing plaza had





fallen into disrepair, and as a result went unused by the daily 9-to-5 office employees in the surrounding downtown area. To breathe new life into the plaza, the design team analyzed the factors contributing to the underutilization of the park and responded with a design that will ultimately energize and invite users into the plaza.

- **Imagine Charleston: Downtown Urban Revitalization Study, Charleston, WV.** The 2013 Downtown Charleston Redevelopment Plan, as part of a broader Comprehensive Plan for the City, provides a vision toward a sustainable future and creates a dynamic framework for realizing that vision. The result is a plan that provides detailed analysis of the physical framework of the Downtown and recommends strategies that, along with relevant public policy, will help guide growth and development in the City of Charleston. It is long range in its vision, yet it leverages current and upcoming opportunities that will help to achieve the vision.
- **Brawley Walkway, Charleston, WV.** Renewal of a prominent linear pedestrian corridor that links two major retail districts within Charleston’s downtown core.
- **Kanawha City Corridor Study, Charleston, WV.** Comprehensive planning study for a 3-mile urban corridor planning study stretching the length of a professional and retail district. The project involved recommendations on how to promote pedestrian activity and revitalizing the vehicular dominated environment into a vibrant village atmosphere.
- **Kanawha Boulevard Walk and Bikeway Trail Master Plan, Charleston, WV.** Master planning and bidding document preparation for a 2-mile bikeway project along a riverfront boulevard along the West Side neighborhood of Charleston, West Virginia. In addition to the addition of a two-way bike line, the team incorporated state-of-the-art stormwater management techniques to showcase the City of Charleston’s commitment to water quality and best management practices.
- **Charlotte’s Creek Farm Equestrian Center, Cabell County, WV.** Master planning and bidding documents for a 50-acre equestrian facility. The plan includes both a private residence and a commercial equestrian farm that will be utilized for housing and training show horses.
- **Greenbrier Street Corridor Master Plan, Charleston, WV.** Master planning and presentation drawings for an urban streetscape design project stretching four blocks along a prominent gateway into downtown Charleston and the

WV State Capitol campus. The design team analyzed existing pedestrian and vehicular traffic patterns that had been a safety concern within the community and recommended various traffic calming techniques in response. Additionally, the streetscape was recommended to be enhanced dramatically to serve as a gateway into the downtown area.

#### Parks and Recreation List of Projects

- Washington County Parks Recreation and Open Space Plan, Washington, PA
- Cross Creek Park Master Plan, Washington, PA
- Putnam County Parks Recreation and Open Space Plan, Putnam County, WV
- Top-O-Rock Design Competition Winner, Charleston, WV
- Charleston Riverfront Park, Charleston, WV
- Kanawha Boulevard Greenway and Bike Trail, Charleston, WV
- Terra Haute Gateway, Terra Haute, IN
- Valley Park Master Plan, Putnam County, WV
- Lee Way Park, Charleston, WV
- Slack Plaza, Charleston, WV
- Charleston Gateway Design, Charleston, WV
- West Virginia State Capital Grounds Master Plan, Charleston, WV
- Stonewall Jackson State Park Master Plan, Roanoke, WV
- Horicon Preserve, Horicon, WI
- Charleston Gateway Park, Charleston, WV
- West Liberty Soccer Complex, West Liberty, WV
- Frontier Riverfront Park, Charleston, WV
- Court Street Overlook, Charleston, WV
- Huntington Dog Park, Huntington, WV
- Meadowlark Park, Fostoria, OH
- Shoenbaum Performance Stage, Charleston, WV
- Berry Hills Country Club Master Plan, Charleston, WV
- Twin Falls State Park, Twin Falls, WV
- Dow Heritage Park, Charleston, WV
- CAMC General Division Employee Park, Charleston, WV

# KENNETH KINDER, PE, CFM

Engineering Manager

Role: Civil Engineering and Permitting



Kenneth specializes in civil engineering design for civil engineering projects including civil site design, erosion and sediment control, stormwater management, hydraulic modeling, floodplain permitting, wastewater treatment, geotechnical solutions, surface and underground coal permitting, limestone quarry permitting, and solid waste landfill design.

As a project manager, Kenneth ensures accuracy of work, meets schedule requirements, and maintains excellent client relationships. He develops engineering calculations, prepares project drawings, generates contract documents and specifications, and completes engineering reports.

Kenneth is a registered Certified Floodplain Manager (CFM) and has provided services to the Kanawha County Planning Commission to complete a third-party technical review of an HEC-RAS analysis submitted to the County. His software skills include AutoCAD, Flowmaster, Culvertmaster, StormCad, PondPack, SedCad, Win TR-55, HEC-HMS, and HEC-RAS.

## EDUCATION

- BS - Civil Engineering, West Virginia University Institute of Technology, 2003

## REGISTRATIONS

- Professional Engineer:
  - West Virginia, [REDACTED]
- Certified Floodplain Manager (CFM)

## CERTIFICATIONS

- Troxler Nuclear Density Operator, 2001
- MSHA 8-Hour Safety Refresher, 2011
- HAZWOPER 40-Hour Safety Training, 2012
- HEC-RAS Course, National Highway Institute

## Professional Experience

- **Nitro City Park Streambank Stabilization, Nitro, WV.** Engineering Design and Environmental Permitting for a proposed riprap stabilization dike along the Kanawha River. The design included a proposed 700 linear feet riprap stabilization dike to support and stabilize the existing riverbank, which was exhibiting sign of instability. The crest of the riprap dike will support a concrete walking trail and steps for river access, as well as other new park amenities. Work included engineering design of the dike, preparation of construction drawings and specifications, US Army Corps of Engineers permitting and coordinating to have a mussel survey completed.
- **Charleston Civic Center Riverfront Park and Trail, Charleston, WV.** Engineering Design and Environmental Permitting for a proposed riverfront park and walking trail along the Elk River in Charleston, WV. The design included a proposed 300 linear sheet piling wall to support a concrete walking trail along with a new riverfront park with a floating dock. The walking trail would continue along the Elk River and tie-in to the Kanawha Boulevard trail system. Work included engineering design, HEC-RAS hydraulic modeling and floodplain permitting, US Army Corps of Engineers permitting and coordinating to have a mussel survey completed.



- **Flood Hazard Mitigation Reconstruction and Elevations Project, Kanawha County, WV.** Assistant Project Manager for the Flood Hazard Mitigation Reconstruction and Elevations Project. This project will assist with the reconstruction and elevations of homes located along the Elk River that were devastated during the monumental June 2016 flooding. Over 20 affected properties are being considered for the project and the project will be funded through FEMA's Hazard Mitigation Grant Program (HMGP). Properties affected will have new homes reconstructed or existing homes that are found to be structurally sound will be elevated, if it is found to be cost feasible.
- **Civil site design, various projects.** Tasks included preparing erosion and sediment control plans, designing utility systems, site layouts and grading plans, and designing surface drainage including storm sewer systems and stormwater detention and retention ponds. Prepared permit applications for the West Virginia Department of Environmental Protection (WVDEP) construction stormwater permits, West Virginia Department of Transportation, Division of Highway (WVDOT-DOH) MM-109 permits, and floodplain development permits as required.
- **Floodplain Development Permitting, various projects.** Work included coordinating with community floodplain managers, preparation of HEC-RAS hydraulic analyses, adjusting proposed grading plans or bridge layouts as required to maintain compliance with the National Flood Insurance Program. Prepared elevation certificates and FEMA Letters of Map Amendments. Mr. Kinder has worked on dozens of floodplain related projects around Kanawha County and West Virginia.
- **Natural Gas Development, various projects.** Staff Engineer responsible for designing gas well drilling pads and impoundments. Work included coordinating geotechnical drilling and using gathered subsurface information to assist with design. Prepared erosion and sediment control plans, completed HEC-RAS analyses and floodplain permitting for several temporary and permanent bridges. Designed impoundments including the development of grading plans to maintain an earthwork balance while achieving the required storage volume, design of a liner system and preparation of Emergency Response Plans.
- **Geotechnical Solutions, various projects.** Staff Engineer responsible for geotechnical work including developing boring layouts, coordinating geotechnical drilling, and using the gathered information to develop grading plans, design rock toe keys as needed for impoundments and valley fills, develop slope stability analyses, and to assist with foundation design for buildings, bridge abutments and retaining walls. Assisted with preparation of geotechnical reports, development of structural contour mapping, and preparation of subsidence control plans for underground mining.
- **Industrial Landfill and Municipal Solid Waste Landfill Design, various projects.** Staff Engineer responsible for preparing design and construction documents for municipal solid waste and industrial waste (coal combustion byproduct) landfill cells and caps. Work included developing stormwater control plans, design of leachate collection systems, design of liner systems for leachate collection and leak detection systems. Work also included preparing construction drawings, technical specifications, and an engineer's estimate of probable construction cost.
- **Cap and Closure of former Chemical Facility, Nitro, WV.** Construction Manager responsible for performing construction oversight and construction management for a RCRA 120-acre environmental remediation site. Responsibilities included managing a team of construction quality assurance/quality control (QA/QC) observers, tracking construction pay quantities and reviewing monthly invoices, ensuring construction is being performed according to the plans and specs and enforcing implementation of a site-specific health and safety plan.

# CHARLES STRALEY, MS, PE, PLS

Senior Engineering Manager

Role: Geotechnical Engineering

Charlie specializes in civil engineering with an emphasis in geotechnical engineering, including all aspects of subsurface exploration, laboratory testing, foundation and embankment design, slope stability, material and construction specifications, and construction administration, management, and monitoring.

## EDUCATION

- MS - Geotechnical Engineering, University of Akron, 1988
- BS - Civil Engineering, University of Akron, 1986

## REGISTRATIONS

- Professional Engineer:
  - West Virginia [REDACTED]
  - Ohio [REDACTED]
  - Kentucky [REDACTED]
- Professional Land Surveyor:
  - West Virginia [REDACTED]

## Professional Experience

- **Tomlinson Run State Park and Kanawha State Forest, Charleston, WV.** Design, construction monitoring, and construction administration for two lake dredging projects for the WV Division of Natural Resources (WVDNR) at Tomlinson Run State Park and Kanawha State Forest. Activities included subsurface investigation, regulatory approvals, construction drawings, technical specifications, construction troubleshooting, cost estimating, daily reports, and client interaction.
- **Economic Impact Study, Statewide, WV.** Project Manager for an economic impact study on the effect of West Virginia State's 35 parks, 8 forests, 4 wildlife management areas, and 2 rail tracts for the WVDNR and the Department of Parks and Recreation. Provided an analysis on the impact of the state park system on local, regional, and state economics.
- **Lake Dredging Projects for the WVDNR, Parks and Recreation, WV.** Project Manager for the preparation of construction documents for two lake dredging projects in WV. Design included providing a dredging scheme, disposal site design, a water handling plan to maintain stream flow, and



providing a sediment control plan for both the dredging operations and the disposal site. Provided construction administration service and oversight of construction monitoring service.

- **Dam Inspection and Certification for the WVDNR, Parks and Recreation, WV.** Performed periodic dam inspection and certification for three earthen dams at Blackwater Falls and Cacapon State Parks in WV.
- **Wellness Trail Design, Madison County, WV.** Project Designer for a three-mile wellness trail located parallel to the Little Coal River. The design included a wellness trail, timber footbridge, preparation of construction documents, bidding instructions, contractual agreements, and engineer cost estimate.
- **Federal No. 2 Mine Project for the Eastern Associated Coal Corporation, Monongalia County, WV.** Completed a permit revision application for additional area to be deep mined by long wall. The application included geology, hydrogeology and subsidence control plan sections of a surface mine application. A ground water inventory and water samples were collected and analyzed for structures above the area to be mined.
- **Geology and Hydrogeology for New Deep Mine, Logan County, WV.** Completed the geology and hydrogeology sections for a new deep mine permit application in Logan County, WV. Completed stability analysis for various slopes in different portions of the permit application.
- **Phase II Water Feasibility Study for Private Water Supplies in the Gauley River Study Area, Fayette and Nicholas Counties, WV.** Work included interviewing local residents and government officials; collecting and analyzing surface and private water supply samples; researching water quality records; designing and costing remedial measures; calculating the percentage of wells that had been degraded by mining activity; and summarizing the investigation in a report.





- **Kingwood 52/6 Water Extension Project, Preston County, WV.** GAI designed 13 miles of waterline, one water storage tank, and one booster pump station, subsurface investigations, and special considerations for high pressures. Tasks included preparation of drawings, technical specifications, engineer's cost estimate, and preparation of applicable permit applications.
- **Cow Creek – Sarah Ann Water Supply Extension Project, Logan County, WV.** Led the geotechnical investigation and foundation design for water supply structures. Project included subsurface investigation; design of three water tanks, three booster stations, one master meter assembly, and approximately 19 miles of waterline; preparation of technical specifications, drawings, and engineer's cost estimate; and participation in pre-bid and pre-construction meetings. Bid construction cost was approximately \$4,800,000. Design included an access road to WVDOT-DOH standards.
- **Sanitary Sewer Extension Projects, WV.** Performed a study, evaluation, and design for a sanitary sewer (pump station and force main) extension for accommodation of proposed development of adjacent property for the WVDOT-DOH. The project included evaluating the existing system capacity, proposed system requirements, permitting requirements, and recommending the proposed extension. The project concluded with the hydraulic design of the recommended extension.
- **South Ruffner Storm Water Management project in Charleston, WV.** As Project Manager, performed a comprehensive study of the drainage system and conceptual design of improvements to the drainage system. Designed Phase I of the improvements, including twin aluminized-steel culverts and a concrete box culvert.
- **Phase II Water Feasibility Study for Private Water Supplies in Heizer and Manila Creek Community, Putnam County, WV.** Work included interviewing local residents and government officials; collecting and analyzing surface and private water supply samples; researching water quality records; designing and costing remedial measures; calculating the percentage of wells that had been degraded by mining activity; and summarizing the findings in a report.
- **Phase II Water Feasibility Study for Private Water Supplies in Mill Creek Study Area, Boone, Lincoln, and Logan Counties, WV.** Developed geologic cross sections and structural contouring for the project. Scope included interviewing local residents and government officials; collecting and analyzing surface and private water supply samples; researching water quality records; designing and costing remedial measures; calculating the percentage of wells that had been degraded by mining activity; and summarizing the findings in separate reports for each community.
- **Mill Creek Regional Water Supply Extension Project in Logan County, WV.** Scope of work included construction of water transmission lines, a water distribution system, two water storage tanks, a booster station, two hydropneumatic tanks, and a water treatment plant. The total length of water line to be constructed is approximately 34 miles. The project included design of site drainage (including channels and culverts), site grading, redesign of WV Route 12 (including approval from WVDOT-DOH), subsurface investigations, preparation five railroad crossing permits, WVDOH occupancy permit, WV Department of Environmental Protection (WVDEP) permit, WV Office of Environmental Health (WVOEH) permit, WV Public Lands Corporation permit, and USACE permit. Numerous meetings with the WVDEP, LCPSD, WV Public Service Commission, and the WVOEH were required. GAI coordinated water line alignment work with numerous utility companies to avoid conflicting the location of the existing utility lines and proposed water transmission line and distribution system. The scope of work also included the design of a steel tank pre-sedimentation basin, adsorption clarification/filtration treatment units with a total 3,000 GPM capacity, a pretreatment chemical feed system (including metering pumps, chemical mixers, solution tanks, and in-line mixers), water intake pumps, a decant basin (including excavation, foundations, walls, piping, etc.), sludge drying beds, a post treatment chemical feed system, clearwell and baffle assembly, and the treatment plant building. The water treatment plant was designed to provide 400 GPM of potable water.
- **Charleston Bicycle/Pedestrian Trail Feasibility Study, Charleston, WV.** Project designer for a feasibility study of Charleston Bicycle/Pedestrian Trail. Services addressed in the feasibility study included a field reconnaissance to identify, locate, and verify the presence or absence of undesirable characteristics that could adversely affect the socioeconomics of the project; completing a conceptual design for a one-way system (multi-use facility, bicycles and pedestrians on both levels) and a two-way system (separate use facility, bicycles on one level and pedestrians on other); and completing a cost estimate to construct the various alternatives.

# JAYME FULLER

Environmental Manager

Role: Environmental Permitting

Jayme specializes in managing interstate natural gas transmission projects. She manages Clean Water Act (CWA) Section 401/404 permitting, Endangered Species Act compliance, biological and botanical inventories, and wetland delineations for several natural gas operation and maintenance projects. Additionally, she coordinates with state and federal agencies for project in multiple industries including coal, natural gas, aggregate mining, residential and commercial development. Jayme is a member of the Ohio (OH) Oil and Gas Association and is an active member in the environmental committee offering technical advice on CWA regulations that affect the oil and gas industry.

## EDUCATION

- BS, Ohio State University, 2004

## CERTIFICATIONS

- Ohio Department of Transportation (ODOT) Ecological Training and Waterways Permit Training, 2009
- North Carolina State University Stream Restoration Program Natural Channel Design Principles, 2008
- FERC Regulatory Overview & Guidance and Environmental Compliance Training, 2007
- Wetland Training Institute Course on Nationwide Permits, 2007
- Identification of Sedges, Rushes, and Grasses Training, Ecological Training Services, 2006
- Endangered Species Consultation in Ohio, 2005
- Wetland Delineation Training, 2005
- Ohio EPA HHEI, QHEI, and Vegetative Index of Biotic Integrity Training Courses

## Professional Experience

- **Numerous Well Pad Assessment Projects, various counties throughout West Virginia (WV).** These projects involved project management on field site assessments and desktop reviews for streams/wetlands and threatened and endangered species habitat in WV. Jayme also provided project management on avoidance and minimization, impact assessment, environmental issues, regulatory constraints, and permitting.

- **Natural Gas Transmission Operation & Maintenance Projects, various counties throughout Ohio (OH).**

These projects involved over 50 replacements, abandonments, and exposures that are regulated and non-regulated by Federal Energy Regulatory Commission (FERC). The FERC regulated projects were under the categories of 2.55b and Blanket Automatic Authorizations. Jayme has assisted the client with the CWA, Endangered Species Act, and State Historic Preservation Office compliance for each project involving stream and wetland impacts throughout OH.

- **Well Pad Assessments, various counties in OH.** These projects involved field site assessments and desktop reviews for streams/wetlands and threatened and endangered species habitat in OH. Jayme has assisted several natural gas clients with well pad assessment packages to identify environmental issues, regulatory constraints, and well pad sighting early in the planning process.

- **Lateral Project, OH.** This project involved wetland mitigation monitoring activities to address requirements in the Section 401 Water Quality Certification and Section 404 CWA for an approximately 8.5-acre wetland mitigation site created to address impacts along a 9.6-mile lateral pipeline. Jayme performed wetland mitigation monitoring, hydrology monitoring, botanical identification, data collection and analysis, and a Vegetative Index of Biotic Integrity assessment. In addition, Jayme performed construction oversight for corrective action mitigation measures in an area of the mitigation that did not meet wetland criteria. Final monitoring reports were submitted to the OH EPA.

- **Natural Gas Pipeline and Bird Surveys, OH and Indiana (IN).** This project involved conducting surveys for the federally listed endangered running buffalo clover (*Trifolium stoloniferum*) within all potentially suitable habitat





for this species located within the approximately 23-mile long OH portion of the proposed pipeline right-of-way (ROW). Numerous species of clover were present within the project areas and the surveys required technical botanical identification activities. Additionally, Jayme assisted in U.S. Fish and Wildlife Service (USFWS) and the Ohio Department of Natural Resources (ODNR) requested surveys for regionally uncommon bird species within applicable portions of the pipeline ROW.

- **Well Pad Compliance Project, OH.** This project involved after the fact permitting for inadvertent impacts to a wetland caused by well pad development in OH. Jayme assessed the wetland impacts and developed an after the fact Nationwide Permit (NWP) 18 package to submit to the U.S. Army Corps of Engineers (USACE) in order to assist the client with compliance. Jayme also developed a NWP 12 package to request authorization for stream impacts associated with a gas tap line to the well pad. Permits were received from the USACE within 30 days.
- **Natural Gas Operation & Maintenance Projects in various counties throughout Southwest Pennsylvania (PA).** These projects involved replacements, abandonments, and exposures that are regulated and non regulated by FERC and state agencies. Jayme assisted the client creative solutions to permitting needs and deadlines by working with PA Department of Environmental Protection (PaDEP) and the USACE. Jayme has also managed over 30 projects in the Southwest and Northwest Districts including the submittals of General Permit (GP) 7, 8 and 11 applications, and State Programmatic General Permit (SPGP-4) applications.
- **12-Mile Natural Gas Transmission Replacement Project, Kentucky (KY).** This project involved assisting the client with CWA Section 401 compliance, erosion and sediment controls, and stormwater permitting. Jayme lead field survey crews to conduct wetland and stream delineations and coordinated with the Kentucky Division of Water to obtain Section 401 Water Quality Certification for approximately 12 miles of pipeline that needed replaced as a result of leaks and blow outs.
- **Natural Gas Compressor Station Project, WV.** This project involved CWA compliance, cultural resource surveys, threatened and endangered species habitat surveys, and obtaining the information for Resource Reports 1-8 to be submitted in a Blanket Prior Notice application package for the FERC. Jayme assisted the client with state and federal agency coordination involving the USFWS, West Virginia Division of Culture and History, and the WVDNR. Jayme also managed the field survey crews and coordinated with sub consultants to perform the cultural resource surveys. This project was submitted to FERC ahead of schedule.
- **Petroleum Pipeline Threatened and Endangered Species Habitat Assessments and Surveys, various counties in Illinois (IL).** This project involved conducting a habitat evaluation for the federally endangered Indiana bat (*Myotis sodalis*) and habitat assessments and surveys for the federally listed threatened decurrent false aster (*Boltonia decurrens*), eastern prairie fringed orchid (*Platanthera leucophaea*), and prairie bush clover (*Lespedeza leptostachya*) within an approximately 122-mile long petroleum pipeline ROW. Additionally, the locations and data of all potential roost trees for the federally listed endangered Indiana bat were mapped and recorded and an Indiana bat habitat assessment report was prepared.
- **Natural Gas Storage Field Expansion Projects, Kansas (KS).** These projects involved assisting client with compilation of a FERC 7c environmental reports, management of environmental fieldwork, wetland delineation (USACE 1987 methodology) and delineation of other jurisdictional waters, CWA permitting, Endangered Species Act compliance (including surveys for the federally listed threatened Mead's milkweed), pre-construction nest surveys for birds protected under the Migratory Bird Treaty Act, and agency negotiations to successfully permit expansion of existing natural gas storage fields and construction of approximately 15 miles of natural gas pipeline.
- **Natural Gas Well Pad Projects, various counties throughout WV.** These projects involved field site assessments and desktop reviews for streams/ wetlands and threatened and endangered species habitat in various counties in WV. Jayme assisted in complying with and obtaining Nationwide Permit 14 and Nationwide Permit 39 for the Client.
- **15-Mile Natural Gas Pipeline Project, OH.** This project consisted of environmental services, route development and finalization, cultural and archeology surveys, and permitting services. Key services Jayme provided for this project included the following: limit of disturbance survey; rare, threatened, and endangered species consultation; mist netting; obtaining Nationwide Permit 12; hydrostatic test permits and disposal sites; road crossing permits; and managing the horizontal directional drill/bore design.

## MARC HANNAH | Dock Consultant

### Role: Boat Dock Specialist

Marc Hannah brings almost two decades of dock, production, design, and project management experience to any waterfront improvement project. He has worked for two major U.S.- based dock hardware and accessory manufacturers and has worked on projects in China and Iceland, as well as on farm ponds in Brooke County, West Virginia. His projects include rebuilding marinas destroyed in hurricanes such as Super Storm Sandy; designing ADA-compliant recreational docking facilities for children with cancer at the Paul Newman Hole in the Wall Camp; designing the floating marina store and dive shop at Summersville Lake in West Virginia; and designing and building triple redundancy coal mine pump docks and walkways.



#### EDUCATION

- West Liberty University, West Liberty, WV

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## LUCAS DISERIO, MBA | Dock Consultant

### Role: Boat Dock Specialist

Lucas Diserio co-founded American Muscle Docks & Fabrication. As CEO of the company, Luke is responsible for overseeing day-to-day operations, as well as branding, expansion, and product development. Luke has been responsible for obtaining six trademarks, as well as two patent pending dock systems for American Muscle Docks & Fabrication.



#### EDUCATION

- Professional Masters of Business Administrations  
Methodist University, Fayetteville, NC
- BS, Business Administration, Methodist  
University, Fayetteville, NC



## Section 3 PROJECT EXPERIENCE





A SELECT LIST OF OUR TEAM'S RELEVANT EXPERIENCE IS INCLUDED BELOW  
PROJECT DESCRIPTIONS ARE INCLUDED ON THE FOLLOWING PAGES.



Haddad Riverfront Park and Boardwalk | Charleston, WV



Boardwalk and Amphitheater at Elk Riverfront  
Charleston, WV



Discovery Cove at Washington County Parks | Washington, PA



North Shore Riverfront Park | Pittsburgh, PA



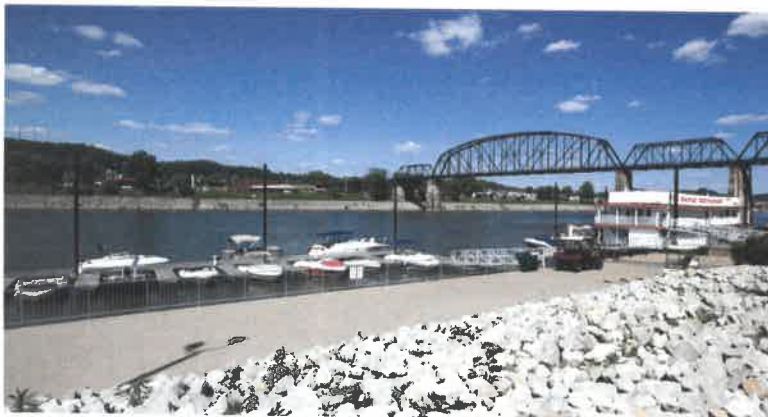
**Madison Riverview Park – Transient Boat Dock  
on the Kanawha River | Charleston, WV**



**Transient Boat Dock on the Ohio River  
New Martinsville, WV**



**The Barge | Charleston, WV**



**Summersville Lake Marina and Sarge's Dive Shop  
Summersville, WV**



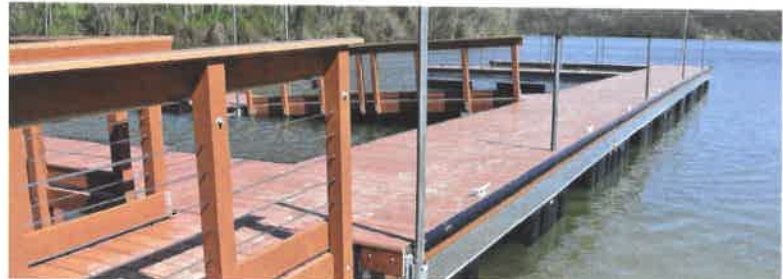
**Blennerhassett Island Dock and Gangway  
Parkersburg, WV**



**Seneca, Atwood, Piedmont, Tappan, Clendening,  
Pleasant Hill, and Charles Mill Lakes Docks | Southeastern, OH**



**Cross Creek and Ten Mile Lakes | Washington, PA**











## Haddad Riverfront Park and Boardwalk

GAI Consultants was selected to provide master planning, public participation services, design, construction, and engineering solutions for the renovation of the Haddad Riverfront Park—a popular concert, festival, and leisure site in downtown Charleston, West Virginia. Among the City of Charleston’s project requirements were a retractable canopy to provide protection and visual interest, an overlook plaza and pavilion that extends Court Street to the Kanawha River, an extension of the lower wharf area, a new streetscape design along Kanawha Boulevard, and an event stage for concerts.

GAI was successful in meeting an aggressive 18 month planning, design, and construction schedule. Change orders during construction amounted to less than .5% of the total cost. Taking a different approach, GAI presented an initial design that encompassed and connected all four parts of the entire project. The design was highlighted by a grand staircase that would lead to the proposed amphitheater, which serves to open the park to Kanawha Boulevard, making it an integrated part of downtown Charleston.

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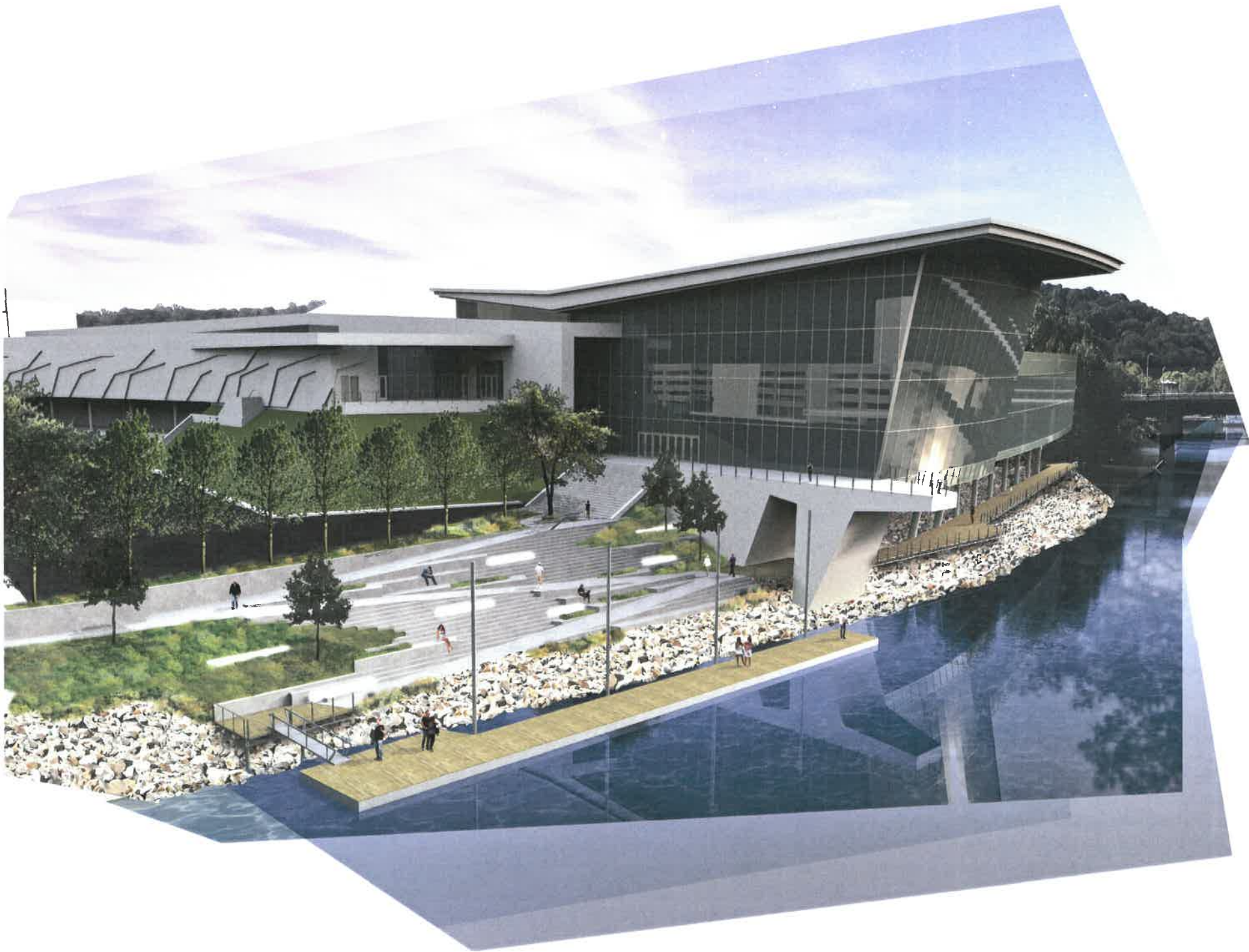
LOCATION:  
Charleston, West Virginia

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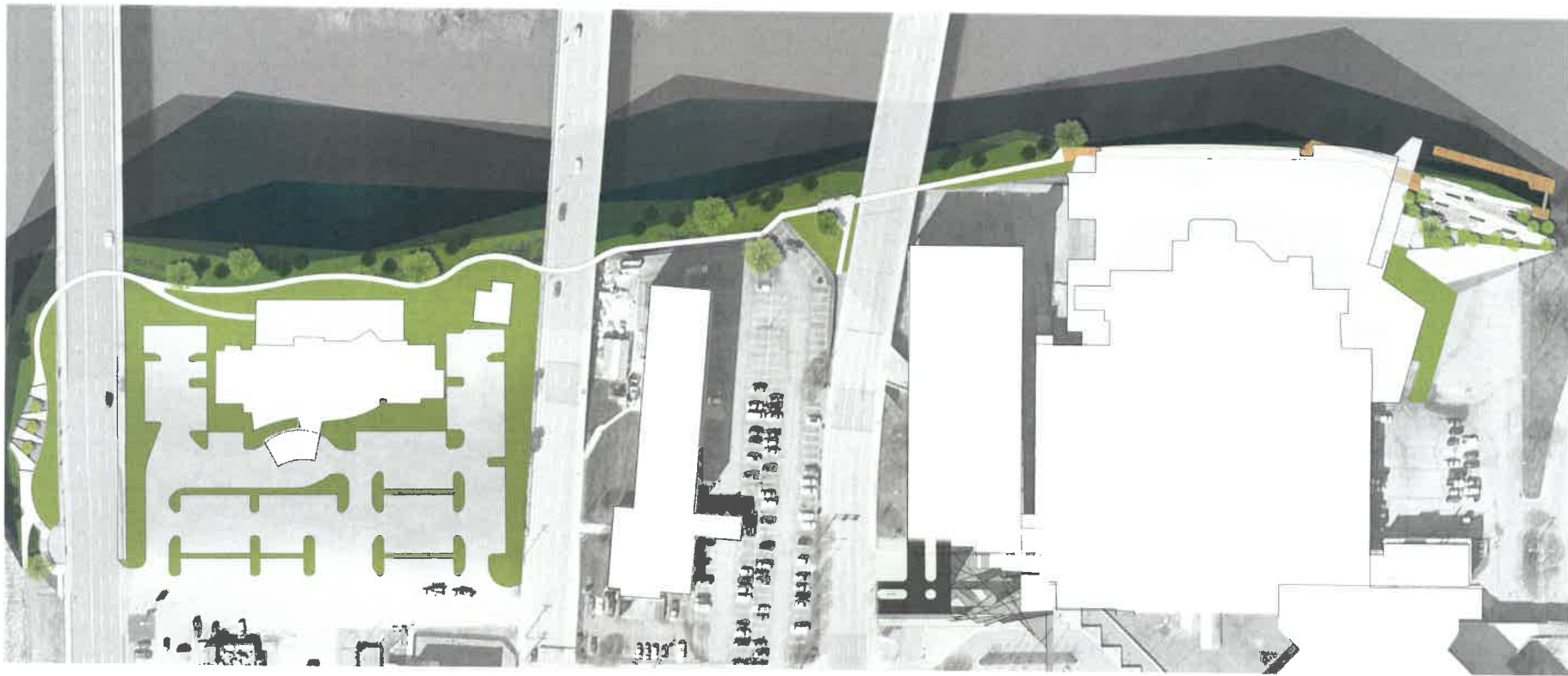
CLIENT:  
City of Charleston  
David Molgaard  
501 Virginia Street East, Room 101  
Charleston, West Virginia  
304.348.8000

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GAI PROJECT MANAGER:  
Dave Gilmore, PLA, MBA  
681.245.8867  
d.gilmore@gaiconsultants.com







## Boardwalk and Amphitheater at Elk Riverfront

GAI Consultants was part of the winning Design/Build competition with the team of BBL Carleton, ZMM Architects, and TVS Architects to renovate and expand the 283,000 sq. ft. Charleston Civic Center.

Situated in the heart of Charleston, West Virginia, the Charleston Civic Center is the region's premier entertainment and convention venue. With immediate access to the interstate, close walking proximity to the majority of downtown Charleston lodging and businesses, and a variety of meeting and venue space, the project is an important thread in the urban fabric of the city. However, in its current conditions, the project lacks the tools needed to become an attraction to a larger regional crowd. Our team's proposed renovations and updates will present a modern vision by updating exterior and interior aesthetics, designing additional spaces, and tying the site to the downtown core. The team has created a comprehensive plan to bring the Charleston Civic Center up to the standard of today's entertainment and convention venue needs.

GAI is performing site, civil and landscape architecture for this \$75 million project. In addition, GAI's Community Solutions Group is designing a new riverfront park/amphitheater and trail connection along the Elk River that will soon connect the Civic Center to the Kanawha River and beyond.

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LOCATION:  
Charleston, West Virginia

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CLIENT:  
City of Charleston  
David Molgaard  
501 Virginia Street East, Room 101  
Charleston, West Virginia  
304.348.8000

---

GAI PROJECT MANAGER:  
Dave Gilmore, PLA, MBA  
681.245.8867  
d.gilmore@gaiconsultants.com







### Discovery Cove at Washington County Parks

GAI Consultants created a 3,500-acre park master plan as part of an overall parks, recreation, and open space plan for Washington County. To continue the parks legacy of providing environmental education and recreation opportunities for the surrounding communities, the design team focused on upgrading and providing additional park amenities that would enhance and create opportunities for park sponsored events and programs. A few of the recommendations included streamside boardwalks, a disc golf course, group camp grounds, and an amphitheater.

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LOCATION:  
Washington, Pennsylvania

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CLIENT:  
Washington County Planning  
Commission

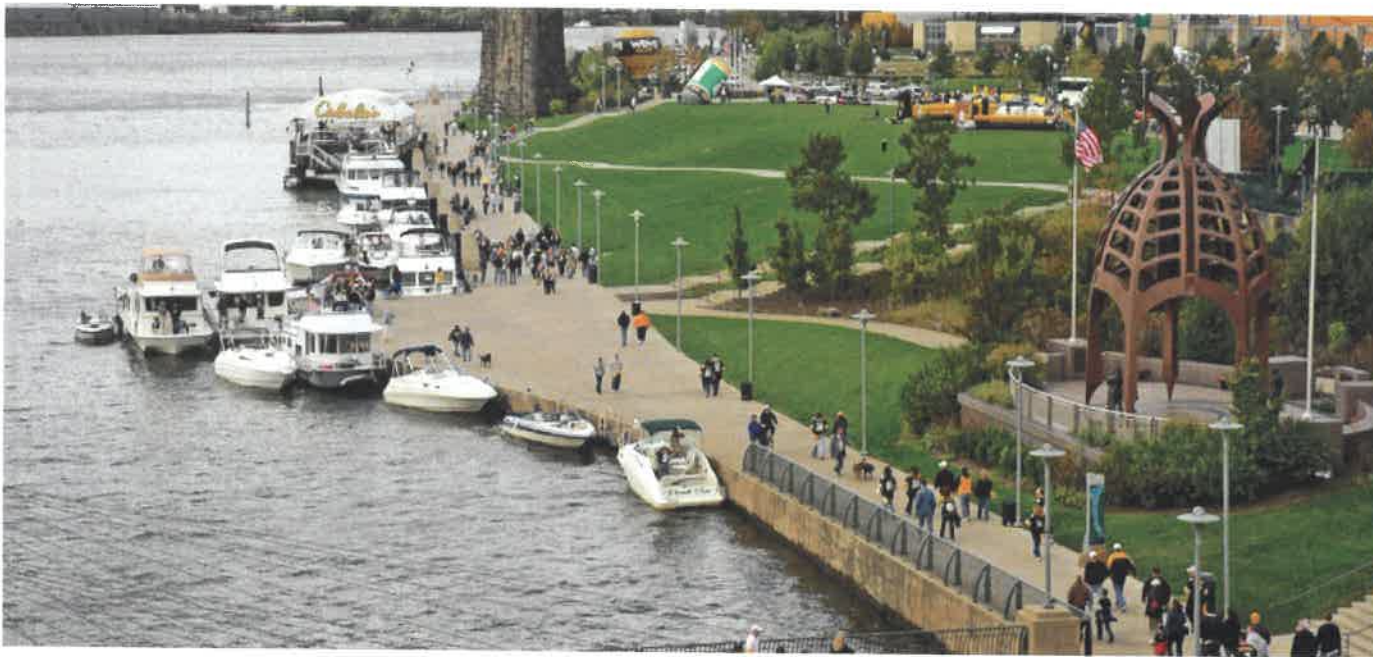
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GAI PROJECT MANAGER:  
Dave Gilmore, PLA, MBA  
681.245.8867  
d.gilmore@gaiconsultants.com









## North Shore Riverfront Park

North Shore Riverfront Park (also known as Clemente Park) sits on a 4,000-l.f. parcel of land stretching from the West End Bridge to the Fort Wayne Railroad Bridge in the City of Pittsburgh. Development took place in three phases, Esplanade West and Great Lawn (Phases I and II), and Belvedere (Phase III). A Vietnam Veterans Memorial and a memorial to law enforcement were erected during the first two phases. Phase III included design and construction of an ornamental overlook situated on an existing pier. It was designed to have an “old steel town” theme. Boat docks, lawns, gardens, piers, and watersteps accent the park.

GAI Consultants was retained to provide civil engineering and permitting services for Phases I, II, and III of this North Shore project. Each phase required walkways, lighting, utilities, and permitting. GAI’s services were again requested when structural engineering services were required for a later phase of the project. Phase IV involved designing a causeway at the park, and GAI developed a half-moon shaped pedestrian structure that extends into the river.

### Value-Added Innovations

The park links the City’s two sports stadiums, Heinz Field and PNC Park, and has improved access to the Fort Duquesne Bridge pedestrian walkway that connects the North Shore area with Point State Park.

This and other efforts to develop parks, trails, and open spaces, have made Pittsburgh one of the leading cities in developing greenways for recreation and transportation.

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LOCATION:  
Pittsburgh, Pennsylvania

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CLIENT:  
EDAW Inc.  
Leslie Bartnik  
703.836.1414

---

GAI PROJECT MANAGER:  
Patrick Gallagher, MBA  
681.245.8867  
p.gallagher@gaiconsultants.com









### Haddad Riverfront Park –Transient Boat Dock on the Kanawha River

Boating/water access and storage for park visitors. Project included 8 x 570 ft. courtesy/transient dock, three aluminum gangways, custom Pile Caps ~\$235,000.00.

Components included:

- Steel Truss
- FLASH Siding
- Composite Decking

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LOCATION:  
Charleston, WV

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CLIENT:  
City of Charleston  
Chris Knox, City Engineer  
304.348.8000 x326  
chrisknox@cityofcharleston.org

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AMD PROJECT MANAGER:  
Marc Hannah  
800.223.3444  
marc@amdocks.com





### Transient Boat Dock on the Ohio River

Boating/water access for City visitors. Project included 8 x140 ft. courtesy/transient dock, stiff arms, and aluminum gangway ~\$70,000.00.

Components included:

- Steel Truss
- FLASH Siding
- Composite Decking

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LOCATION:  
New Martinsville, West Virginia

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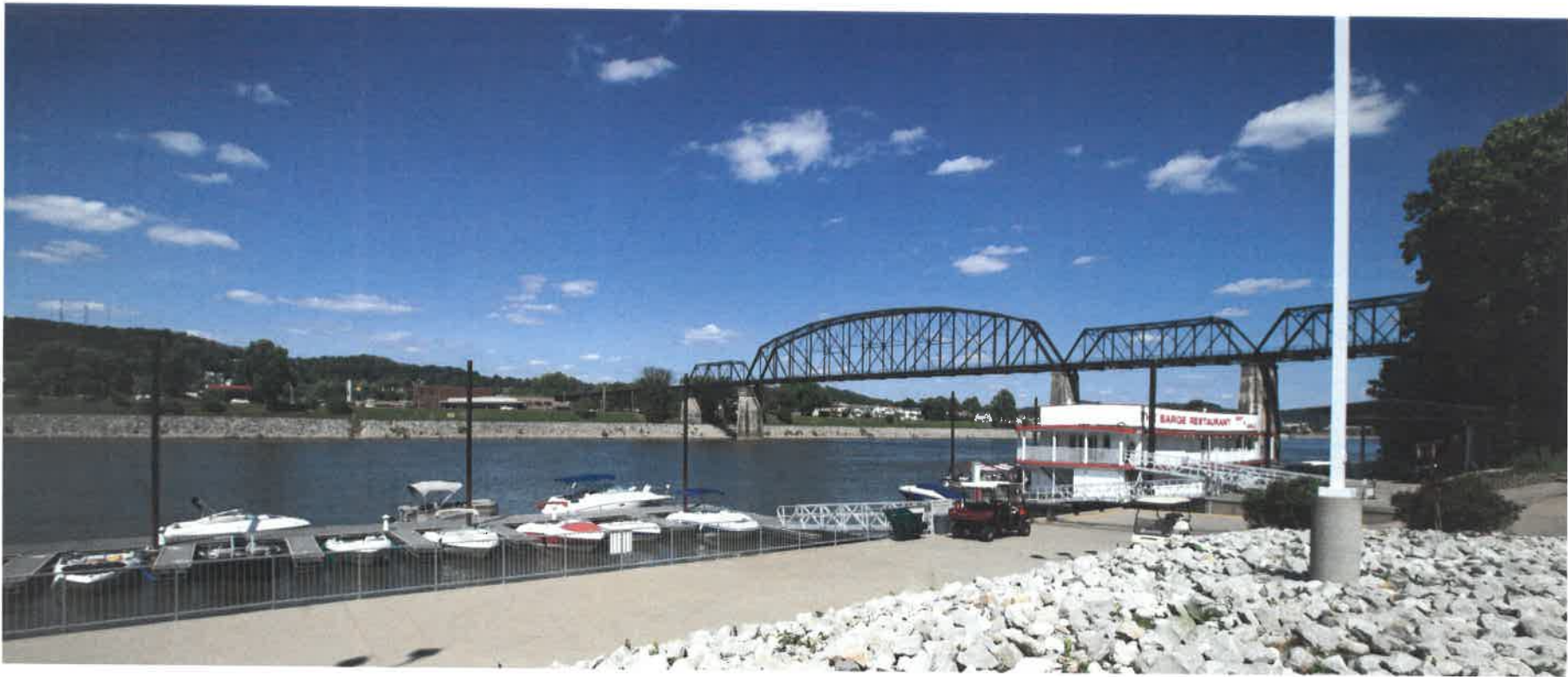
CLIENT:  
City of New Martinsville  
Beverly Gibb  
304.455.9130  
gibb4@hotmail.com

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AMD PROJECT MANAGER:  
Marc Hannah  
800.223.3444  
marc@amdocks.com







## Trojan Landing

Riverside dining on a floating outdoor deck, with boat launch, boat slips and gangway.

Components included:

- Steel Truss
- Solar Lighting
- Composite Decking

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LOCATION:  
Charleston, West Virginia

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CLIENT:  
THF Management, Inc., for  
The Barge Restaurant  
Roger Wolfe, Developer

---

AMD PROJECT MANAGER:  
Marc Hannah  
800.223.3444  
marc@amdocks.com





## Summersville Lake Marina and Store

Developed boat docks, slips, marina, ramp, and floating supply store — Sarge's Dive Shop.

Components included:

- Steel Truss Docks
- Heavy Duty Wood Dock, Hardware, Floats, Pile Guides & Ramps

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**LOCATION:**  
Summersville Lake  
Summersville, West Virginia

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**CLIENT:**  
Eric Allen (owner)  
Sarge's Dive Shop  
304.872.1331

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**AMD PROJECT MANAGER:**  
Marc Hannah  
800.223.3444  
marc@amdocks.com







## Blennerhassett Island Boat Dock and Gangway

Gangway construction for the floating boat dock at Blennerhassett Island.

Components included:

- Aluminum truss frame
- Diamond plate decking

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LOCATION:  
Parkersburg, West Virginia

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CLIENT:  
Dan Hill Construction for WVDNR  
Zaid Cooper, Project Manager  
304.779.2300  
rdanhill@hotmail.com

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AMD PROJECT MANAGER:  
Marc Hannah  
800.223.3444  
marc@amdocks.com





## Seneca, Atwood, Piedmont, Tappan, Clendening, Pleasant Hill, and Charles Mill Lakes Docks

Boating/water access and storage for park visitors. Project included construction of over 5,100 lf of courtesy, rental, transient, boarding, and fishing docks over the past 4 years totaling ~\$478,000.00.

Components included:

- Steel Truss Dock Frames
- Foam Filled Floats
- Composite and Southern Yellow Pine Decking



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### LOCATION:

Seneca, Atwood, Piedmont,  
Tappan, Clendening, Pleasant Hill,  
Charles Mill Lakes – All located in  
Southeastern Ohio

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### CLIENT:

Muskingum Watershed Conservancy  
District  
John Olivier  
330.343.6647

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### AMD PROJECT MANAGER:

Marc Hannah  
800.223.3444  
marc@amdocks.com





## Cross Creek and Ten Mile Lakes

Boating/water access and storage for park visitors. Project included multiple docks on these two lakes consisting of courtesy, rental, boarding, low profile kayak, and fishing docks over the past 4 years totaling ~\$190,000.00.

Components included:

- Steel Truss Dock Frames
- Foam Filled Floats
- Composite and Southern Yellow Pine Decking

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### LOCATION:

Cross Creek and Ten Mile Lakes,  
Washington County, PA

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### CLIENT:

Washington County Parks  
and Recreation  
Kevin Garrison  
724.207.3025  
garrisok@co.washington.pa.us

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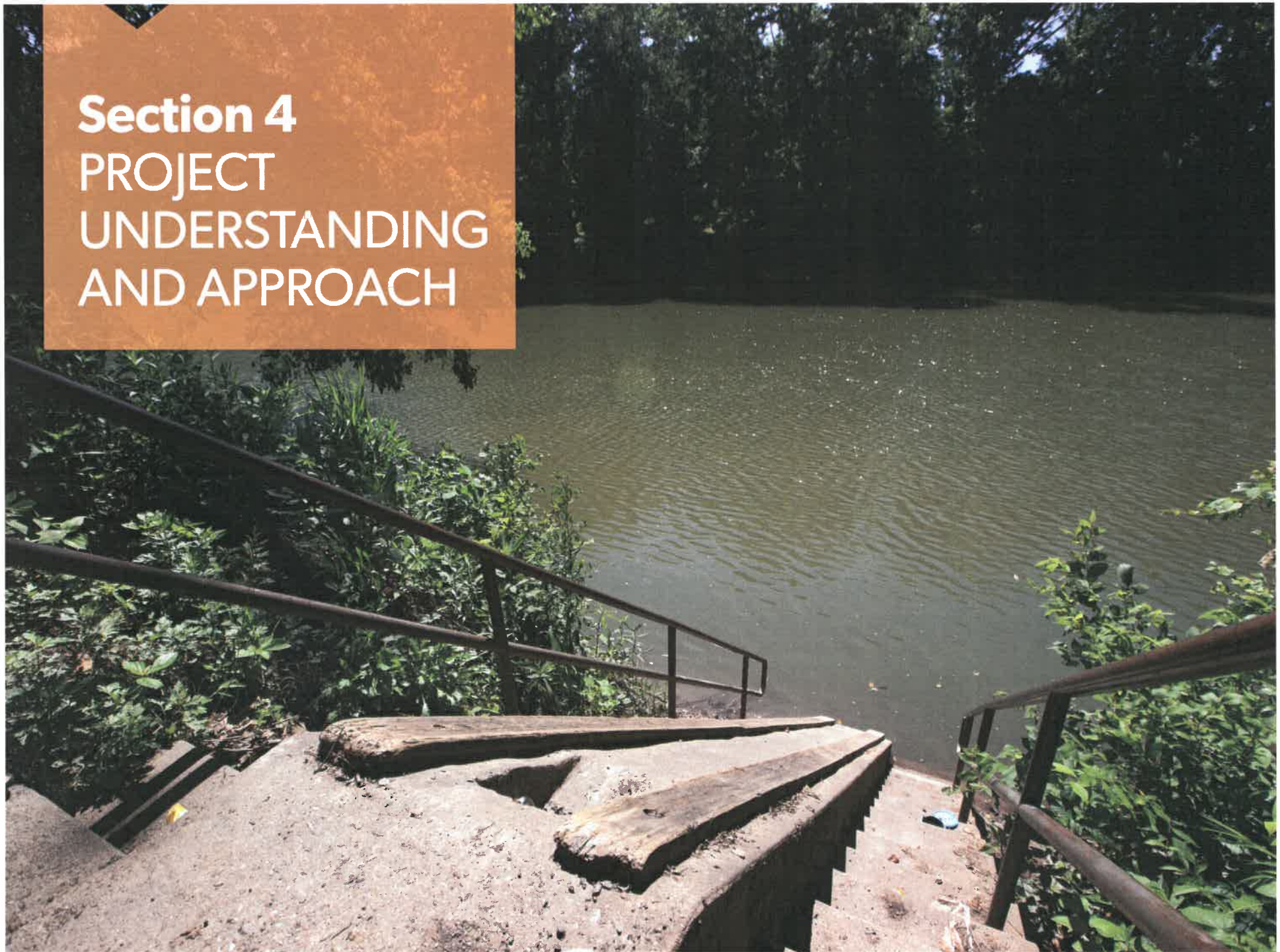
### AMD PROJECT MANAGER:

Marc Hannah  
800.223.3444  
marc@amdocks.com





# Section 4 PROJECT UNDERSTANDING AND APPROACH





# PROJECT UNDERSTANDING AND APPROACH

Todd Schoolcraft brings a history of experience with boat launch facilities, riverfront developments, and West Virginia State Park and Forest projects, such as the Stonewall Jackson Lake Resort Development near Weston and the Mud River Lake Recreational Facilities in Lincoln County. Both projects included boat launch facilities, piers, and/or docks, as well as parking and other necessary associated infrastructure improvements.

## Communication Plan

Todd will be your primary point of contact during the life of the project. You will have his cell phone number for direct phone calls and text messaging, as well as his office phone, direct desk phone, and email address. As Assistant Project Manager, Kenneth Kinder will also be available as a secondary point of contact, should the need arise.

During the design process, Todd, Kenneth, and others as needed from the GAI team, will hold weekly face-to-face project meetings with Mr. Don Bailey and others from the WVDNR to ensure anticipated progress is being met by the design team. We can meet at the WVDNR offices in South Charleston, or host the meetings in our office on Summers Street in Charleston, whichever is preferred. The project will involve the multi-disciplinary integration of various in-house professionals that we refer to as *Integrated Site Design*.

### CONTINUOUS DIALOGUE



Between GAI Project Leadership team and the WVDNR Staff

**Todd Schoolcraft**  
(primary point of contact)

Direct: 681.245.8878  
Cell: 304.561.8317  
t.schoolcraft@gaiconsultants.com

## Integrated Site Design

Our team has reviewed the detailed scope of work described in the EOI. The proposed use areas identified appear to be well-founded locations that should carry cleanly into phase one improvements with little difficulty. We are considering the opportunities and constraints of the sites; however, depending on where vehicle and trailer parking is planned, some coordination, easements, and permitting (MM-109) may be necessary with the WV Division of Highways (WVDOH) at the Blue Creek site. It is anticipated some road widening may be necessary on the narrow secondary streets, as well, and our team has extensive experience working with the Right-of-Ways Section of the WVDOH District 1 in Charleston. We understand the need to reach out early to the U.S. Army Corp of Engineers for the necessary Section 404 and Section 10 Permits. Other permits that may be necessary include the WVDEP 401 Water Quality Certification, Floodplain Development Permits, U.S. Fish and Wildlife Service Consultation, and the WVDNR Office of Land and Streams - Stream Activity Permit.

## Sustainability Objectives and Stormwater Design

Our team's prior collaborations on similar park and infrastructure improvement initiatives has led to an integrated approach to sustainable design. At the macro scale, we recognize that the development or rehabilitation of boat launch facilities adds to the many parks and recreation amenities already offered by the WVDNR across the State, yet at the same time adds to an increase in potential stormwater runoff, as well as the need for additional parking. A sustainable objective can be met through the site's construction, collection and treatment of stormwater runoff, and the introduction of previous pavement in the developed areas.

Our team will identify opportunities and make recommendations based on minimizing the impact to construction costs. It is our intention to include as many sustainable components as feasible: porous paving, bio-swales/retention

areas, rain gardens with indigenous landscaping, solar lighting fixtures, in concert with Xeriscaping, and other elements that will convey the WVDNR's dedication to environmentally-friendly design.

In our work for the WVDOH on the Kanawha Boulevard Bicycle and Pedestrian Trail Improvements, visible sustainable elements were a prominent project feature. Bio-retention cells built into the greenway along the trail will help contain stormwater runoff and minimize erosion and sediment control issues all along the Kanawha River, while reducing the need for costly traditional stormwater improvements such as drain inlets, manholes, and storm pipes. We believe these types of installations can be a real-time cost-saving tool.



*Porous asphalt and pervious concrete have been used in a number of locations across WV, including Pennsboro and Cedar Grove.*



GAI appreciates the challenges that exist at the Elk River boat ramp sites today. While bio-swales will perform a much needed water quality function as well as serve as an extremely visible opportunity for public education and appreciation, the major stormwater challenge for the five boat launch facilities will be quantifying and then mitigating the proposed vehicular and trailer parking areas at each site. As is often said, "The devil is in the details," and with Todd Schoolcraft as your Project Manager, the project team will benefit from his history of in-depth knowledge and experience. Todd has designed and

managed through construction at least four projects that have utilized previous concrete and/or porous asphalt pavement, including the Pennsboro Trailhead Improvements on the North Bend Rail-Trail State Park. Any new, proposed pavement areas, either for pedestrians, or in the parking areas for the boat launch facilities could utilize this new technology.

## Bidding

Our design process will include area lighting for the parking area and the boat ramp. We see great potential in lighting the proposed site with LED lighting to improve safety and efficiency. Also, we recognize the need to select fixtures and place them in locations where the WVDNR can access and maintain them. It is our intention to make fixture recommendations to your C&FMO team and select them together to ensure they are consistent and compatible with your current inventory.

In our past collaborations, our team has developed lighting schemes that are economical and impactful. Downtown Charleston's Slack Plaza and Brawley Walkway lighting package includes pedestrian-scaled fixtures and wall-mounted units to highlight and lead users along the corridor. In addition to their function, they are recognizable from various viewpoints. Their presence from the Town Center Mall clearly demarks the path, further promoting the corridor and its neighborhood connections. We believe that lighting can serve multiple purposes: increase safety/security, as landscaping accents, and as a strong wayfinding element.

## Construction Cost Control

GAI has extensive experience in cost estimating parks and recreation developments, parking area improvements, and associated infrastructure projects of varying scales and sizes. Though all five projects are boat ramp facilities, much of this work is similar to site-civil construction estimating, a specialty of Todd's, who's qualifications include WVDOT Certifications in Asphalt Paving and Concrete Testing. Our team will be using the bid history from past projects, bid history, consultation with fabricators and contractors, and detailed estimates (crew size, material, equipment, hour-estimates) for





*Enhanced nighttime experience on the docks of the Haddad Riverfront Park, Charleston.*

proposed specialty items to provide accurate estimates for the project. GAI works regularly with a variety of contractors, through design-build projects and design-bid-build projects, and we can tap into discipline specialists throughout the company as needed to solicit a myriad of historical cost data and expertise.

Another method GAI utilizes to control construction costs and ensure a construction contract is awarded the first time a project advertises for bids, is unit costs and additive and deductive alternates. From our recent successful bidding of the Valley Park Improvements (currently in construction), and the Kanawha Boulevard Bicycle and Pedestrian Walkway (currently in construction) we have the most-current, applicable unit costs at our disposal for the purposes of estimating the Elk River boat launch facilities.

## Construction Schedule Monitoring

With GAI's office location in the BB&T Building on Summers Street in Charleston, GAI can be available on-call and at all sites in less than 30 minutes. And with many of our employees living in Elkview, Clendenin, and

the surrounding area, the convenience of having them stop by the site on the way to work in the mornings, or back home in the evenings, will aid in keeping construction administration costs in check, and construction progress on schedule. In addition to construction administration services, GAI offers full-time resident inspection services if the project scope warrants such oversight. GAI also has the latest materials testing equipment necessary to monitor and test soils compaction, asphalt compaction, concrete slump testing, pressure air testing, cylinder fabrication, and other testing.

Typically with a project of this magnitude, during construction, GAI will schedule bi-weekly meetings with a representative of the Contractor, Subcontractors, WVDNR, the Town of Clendenin, and Kanawha County Parks and Recreation Commission. This way, we can maintain momentum and pro-actively clear obstacles that may slow construction progress. GAI also requires the Contractor to submit a construction schedule for approval by the Owner and GAI at the pre-construction kickoff meeting. Also built into the bidding/contract documents is a \$500/day liquidated damages clause, and performance and payment bonds for 100% of the contract amount.





**Section 5  
REQUIRED  
FORMS**

**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.



\_\_\_\_\_  
(Name, Title)

Todd Schoolcraft, Project Manager

\_\_\_\_\_  
(Printed Name and Title)

300 Summers St., Suite 1100, Charleston, WV 25301

\_\_\_\_\_  
(Address)

681.245.8878 (phone) 304.926.8180 (fax)

\_\_\_\_\_  
(Phone Number) / (Fax Number)

t.schoolcraft@gaiconsultants.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.

GAI Consultants, Inc.

\_\_\_\_\_  
(Company)



\_\_\_\_\_  
(Authorized Signature) (Representative Name, Title)

David Gilmore, PLA, MBA - Charleston Office Leader

\_\_\_\_\_  
(Printed Name and Title of Authorized Representative)

June 15, 2017

\_\_\_\_\_  
(Date)

681.245.8867 (phone) 304.926.8180 (fax)

\_\_\_\_\_  
(Phone Number) (Fax Number)



ADDENDUM ACKNOWLEDGEMENT FORM

SOLICITATION NO.: 0310 DNR170000006

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)*

- Addendum No. 1
- Addendum No. 2
- Addendum No. 3
- Addendum No. 4
- Addendum No. 5

- Addendum No. 6
- Addendum No. 7
- Addendum No. 8
- Addendum No. 9
- 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.

GAI Consultants, Inc.

Company



Authorized Signature

June 15, 2017

Date

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

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

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

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

**DEFINITIONS:**

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

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

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

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

**WITNESS THE FOLLOWING SIGNATURE:**

Vendor's Name: GAI Consultants, Inc.

Authorized Signature:  Date: June 15, 2017

State of West Virginia

County of Kanawha, to-wit:

Taken, subscribed, and sworn to before me this 15<sup>th</sup> day of June, 2017.

My Commission expires August 31, 2021.

**AFFIX SEAL HERE**

**NOTARY PUBLIC**



