



The following documentation is an electronically-submitted vendor response to an advertised solicitation from the *West Virginia Purchasing Bulletin* within the Vendor Self-Service portal at wvOASIS.gov. As part of the State of West Virginia's procurement process, and to maintain the transparency of the bid-opening process, this documentation submitted online is publicly posted by the West Virginia Purchasing Division at WVPurchasing.gov with any other vendor responses to this solicitation submitted to the Purchasing Division in hard copy format.

Header 1

[List View](#)

General Information | Contact | Default Values | Discount | Document Information | Clarification Request

Procurement Folder: 969316

Procurement Type: Central Contract - Fixed Amt

Vendor ID: VC0000083019 

Legal Name: WHITNEY BAILEY COX & MAGNANI LLC

Alias/DBA:

Total Bid: \$0.00

Response Date: 12/21/2021 

Response Time: 11:33

Responded By User ID: Proposals21286 

First Name: JoAnn

Last Name: McIntyre

Email: jmcintyre@wbcm.com

Phone: 4437560043

SO Doc Code: CEOI

SO Dept: 0310

SO Doc ID: DNR2200000007

Published Date: 12/16/21

Close Date: 12/21/21

Close Time: 13:30

Status: Closed

Solicitation Description: A&E - West Fork River 12 New Boating Public Access Sites

Total of Header Attachments: 1

Total of All Attachments: 1

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
1	Civil engineering				0.00

Comm Code	Manufacturer	Specification	Model #
81101500			

Commodity Line Comments: Bid must not contain price quotation

Extended Description:

12 Boating Public Access Sites on the West Fork River.

Expression of Interest



CEOI 0310 DNR2200000007

A&E West Fork River 12 New Boating Public Access Sites

State of West Virginia

Submitted December 21, 2021



Point of Contact:

John Perkun, P.E.

412.221.1440 | jperkun@wbcm.com



December 21, 2021

ATTN: Mr. Josh Hager
West Virginia Department of Administration, Purchasing Division
2019 Washington St. East
Charleston, WV 25305-0130

RE: **A&E Services For The West Fork River 12 New Boating Public Access Sites**
Solicitation No: CEOI 0310 DNR2200000007

Dear Mr. Hager:

Whitney Bailey Cox & Magnani, LLC (WBCM) is pleased to submit our Expression of Interest for A&E Services for the West Fork River 12 New Boating Public Access Sites, Solicitation No: CEOI 0310 DNR2200000007 electronically through wvOASIS. This submission is in response to the EOI released on November 22, 2021.

WBCM is a multi-disciplinary consulting firm with talented engineers, landscape architects, and environmental specialists with solid experience in projects related to the State of West Virginia, A&E for the West Fork River 12 New Boating Public Access Sites. Our Marine Engineering Division has designed boat ramps, marinas, boardwalks, and floating piers, as well as shoreline and environmental improvements for waterfront sites. Our Site and Utilities Division has experience designing parking areas and access roads as well as parks, nature trails, walkways, retaining walls, and stone shore protection. From comprehensive planning to complete design-engineering capabilities, our industry experience and lessons learned from past projects allows us to eliminate the learning curve while optimizing the project budget and schedule.

WBCM serves public and private clients throughout the region and beyond with additional offices in West Virginia, Virginia, and Pennsylvania. WBCM is widely known for the quality, innovation, value, and excellence of its engineering services, a reputation that keeps us on the *Engineering News-Record's* list of the Top 500 Design Firms.

WBCM understands the scope of services and accepts all requirements, terms, and conditions of the solicitation. Bringing decades of experience to your program, I trust that our firm exceeds the qualifications for this project. Should you have any questions or require additional information, please contact me by phone: (412)-221-1440 or email: jperkun@wbcm.com.

Thank you for your consideration of our submission. We look forward to working with the State of West Virginia on this project to achieve your goals.

Sincerely,

WHITNEY BAILEY COX & MAGNANI, LLC

John Perkun, PE
Site and Utilities Department
Pittsburgh Office



State of Virginia
Expression Of Interest

A&E – West Fork River 12 New Boating Public Access
Sites

Solicitation Number: CEOI 0310
DNR2200000007

Department of Administration, Purchasing Division
2019 Washington Street East, Charleston, WV 25305-0130
Phone: (304)-558-2306
joseph.e.hagerIII@wv.gov

ADDENDUM #1

ISSUED DECEMBER 16th, 2021



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

State of West Virginia
Centralized Expression of Interest
Architect/Engr

Proc Folder: 969316		Reason for Modification:	
Doc Description: A&E - West Fork River 12 New Boating Public Access Sites		Addendum #1 issued to publish agency responses to all vendor submitted questions. (Q&A Attached)	
Proc Type: Central Contract - Fixed Amt			
Date Issued	Solicitation Closes	Solicitation No	Version
2021-12-16	2021-12-21 13:30	CEOI 0310 DNR2200000007	3

BID RECEIVING LOCATION

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

VENDOR

Vendor Customer Code: VC0000083019

Vendor Name : Whitney, Bailey, Cox & Magnani, LLC

Address : One Sterling Place, 100

Street : Sterling Parkway; Suite 108

City : Mechanisburg

State : PA **Country :** United States **Zip :** 17050

Principal Contact : Joseph O'Neil, PE,
 Executive Vice President

Vendor Contact Phone: 717-691-2522 **Extension:** 2522

FOR INFORMATION CONTACT THE BUYER

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

Vendor Signature X 

FEIN# 52-1081866 **DATE** 12-16-2021

ADDITIONAL INFORMATION

The Acquisition and Contract Administration Section of the Purchasing Division ("Purchasing Division") is soliciting Expression(s) of Interest ("EOI" or "Bids") for The Division of Natural Resources to provide necessary engineering, and other related professional services to design as well as provide construction contract administration services to construct or improve boating access sites on the West Fork River in Harrison and Lewis Counties through the creation or improvement of twelve (12) public access sites per the attached specifications and terms and conditions.

INVOICE TO	SHIP TO
DIVISION OF NATURAL RESOURCES PARKS & RECREATION-PEM SECTION 324 4TH AVE SOUTH CHARLESTON WV 25305 US	STATE OF WEST VIRGINIA JOBSITE - SEE SPECIFICATIONS No City WV 99999 US

Line	Comm Ln Desc	Qty	Unit Issue
1	Civil engineering		

Comm Code	Manufacturer	Specification	Model #
81101500			

Extended Description:

12 Boating Public Access Sites on the West Fork River.

SCHEDULE OF EVENTS

<u>Line</u>	<u>Event</u>	<u>Event Date</u>
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SOLICITATION NUMBER: CEOI 0310 DNR2200000007

Addendum Number: No.01

The purpose of this addendum is to modify the solicitation identified as (“Solicitation”) to reflect the change(s) identified and described below.

Applicable Addendum Category:

- Modify bid opening date and time
- Modify specifications of product or service being sought
- Attachment of vendor questions and responses
- Attachment of pre-bid sign-in sheet
- Correction of error
- Other

Description of Modification to Solicitation:

Addendum issued to publish and distribute the attached documentation to the vendor community.

1. To publish agency responses to all vendor submitted questions

Additional Documentation: Documentation related to this Addendum (if any) has been included herewith as Attachment A and is specifically incorporated herein by reference.

Terms and Conditions:

1. All provisions of the Solicitation and other addenda not modified herein shall remain in full force and effect.
2. Vendor should acknowledge receipt of all addenda issued for this Solicitation by completing an Addendum Acknowledgment, a copy of which is included herewith. Failure to acknowledge addenda may result in bid disqualification. The addendum acknowledgement should be submitted with the bid to expedite document processing.

ATTACHMENT A

ADDENDUM ACKNOWLEDGEMENT FORM
SOLICITATION NO.: CEOI DNR22*07

Instructions: Please acknowledge receipt of all addenda issued with this solicitation by completing this addendum acknowledgment form. Check the box next to each addendum received and sign below. Failure to acknowledge addenda may result in bid disqualification.

Acknowledgment: I hereby acknowledge receipt of the following addenda and have made the necessary revisions to my proposal, plans and/or specification, etc.

Addendum Numbers Received:

(Check the box next to each addendum received)

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

I understand that failure to confirm the receipt of addenda may be cause for rejection of this bid. I further understand that 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.

Whitney, Bailey, Cox & Magnani, LLC



Authorized Signature

12-16-2021

Date

NOTE: This addendum acknowledgment should be submitted with the bid to expedite document processing.
Revised 6/8/2012

Questions from vendors for CEOI DNR 22*07 West Fork River 12 New Boating Access Sites

Q.1. Have there been any previous studies or engineering reports regarding boating access along this stretch of the West Fork River that are available?

A. No



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EXPRESSION OF INTEREST

State of West Virginia

A&E – West Fork River 12 New Boating Public Access Sites

I. WBCM SCOPE OF SERVICES

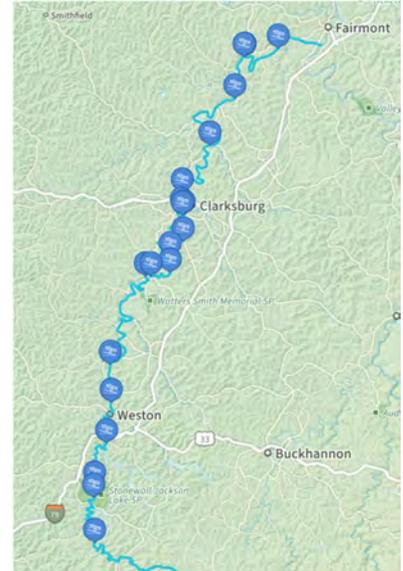


SECTION I – WBCM SCOPE OF SERVICES

PROJECT UNDERSTANDING

The purpose of this project is to provide necessary engineering and other related professional services to design as well as provide construction contract administration services to construct or improve boating access sites on the West Fork River in Harrison and Lewis Counties through the creation or improvement of twelve (12) public access sites. There are a number of boating access points along the West Fork River, and the image to the right shows these locations (copied from the naturalatlas.com website).

The West Fork River is a high-quality stream with fishable populations of black bass, catfish, musky, and various other species. Access to the West Fork River is limited in certain areas. Due to its proximity to the interstate highway system, it is popular with anglers and boaters alike. This project will provide design, engineering, document preparation, and contract administration for the creation or improvement of twelve sites.



QUALIFICATIONS AND EXPERIENCE

The RFP asks that the Vendors submit project information on the following:

Communication with WV DNR

A clear line of communication always needs to be established to ensure project success.

All communication on this project will be directed through our Project Manager John Perkun. John has over 41 years of experience in the management and successful execution of civil engineering projects. John will have 24/7 availability. Throughout the project, John and his team strive to have seamless communications with the WV DNR staff and our proposed subconsultants.

History of Projects – Successful Design and Construction

Whitney Bailey Cox & Magnani, LLC (WBCM) was started on April 1, 1977. WBCM is a full-service, multidisciplinary engineering, and construction firm with offices throughout the Mid-Atlantic.

WBCM's complement of over 225 dedicated employees, half of whom are licensed professionals including engineers, architects, landscape architects, surveyors, and LEED professionals, are committed to our mission of being a client-focused business that respects diversity, innovation, value, and excellence. The WBCM team has left its mark throughout the region, having completed the design, engineering, and construction of projects exceeding One Billion Dollars in construction value.

Since the firm's founding in 1977, marine engineering has been a core practice of WBCM. Port administrators and private marine terminal operators rely on WBCM's proficiency in waterfront and marine engineering and construction. Please refer to the project descriptions that provide examples of WBCM's expertise in projects similar to the West Fork River project.

Competent and Acceptable Experience in All Disciplines

WBCM provides professional services in the following disciplines:

- Building Structures
- Transportation – Bridges and Highways
- Environmental Water Resources
- Marine and Waterfront Facilities
- Industrial and Process Engineering
- Geographic Information Systems



- Innovative Technology
- Site/Civil Engineering
- Field Survey
- Construction Engineering and Support Services/Design-Build

For the West Fork River pursuit, WBCM has included Two (2) subconsultants on our team who are very familiar with providing specific services in the State of West Virginia.

Triad Engineering will provide geotechnical engineering, drilling services, and field survey services. Since 1975, Triad has grown from a small office in West Virginia to eight offices across five states. Triad is a perfect complement to the services that WBCM will provide.

Skelly & Loy, a Terracon Company, will be joining the WBCM team to provide environmental studies and cultural resources investigations services. The Skelly & Loy/Terracon team has a vast amount of experience on the West Virginia projects and will be a valuable asset to the design team.

Project Goals and Objectives

The RFP requests that Proposer responds to Three (3) important Goals/Objectives. The responses to these Goals/Objectives are as follows:

1. *Review existing plans and conditions as well as the operation of the facilities and evaluate while communicating effectively with the owner to determine a plan that can be implemented in a manner that will minimize disruption to the concurrent operation of the facility and meet all objectives.*

The West Fork River is a high-quality stream that provides fishing and other recreational use. The limits of the project extend roughly from the lower end of the Stonewall Jackson Dam in Lewis County northwards to around Enterprise WV in Harrison County. The total study area length is over 30 miles. There are approximately 12 boat access points within these project limits.

WBCM would propose to create a database of the existing boat launches that would include all relevant information about the sites, including but not limited to:

- Types of canoes/kayaks that can be accommodated.
- Public access to the boat launches.
- Condition of facilities.
- ADA accessibility
- Canoe/kayak rentals

This database will be beneficial, especially if some of the existing boat access locations are good candidates for restoration and improvement.

Choosing new locations will require additional studies that could include a combination of field reconnaissance, studies of existing aerial photography and mapping, coordination with local municipalities and /or planning agencies, or coordination with private development interests.

Regarding choosing new canoe/kayak launch locations, WBCM is currently undertaking a preliminary engineering study for an ADA-accessible canoe/kayak launch for the Greene County PA Planning and Community Development Department. There is a small former public water reservoir (Wisecarver Reservoir) that is being converted for recreational use, including kayak launches. We have done some preliminary engineering sketches for canoe/kayak launch locations that you can see below.



These sketches represent early concepts for vehicle access from the adjacent state highway to the docking, vehicle unloading, and parking facilities. These early preliminary concept studies have also included cost estimating for budgetary purposes. The cost estimates provide budgetary information for the Greene County Planning, and it also provides cost information to provide to funding agencies. The Pennsylvania Fish and Boat Commission is providing funding for the Wisecarver project.

2. *As a portion of this process outlined in Objective 1, provide all necessary services to design the facilities described in this EOI in a manner that is consistent with The Division of Natural Resources needs, objectives, current law, and current code; while following the plan to design and execute the project within the project budget.*

In response to this proposed Goal and Objective No. 2, WBCM presents the following proposed design scope of services.

Data Collection/ Coordination for Existing West Fork River Access Points

- Attendance at a project kickoff meeting with WV DNR.
- Review available information, including any construction documents that may be available for the existing boat access facilities and any other available information relevant to the design effort.
- Field view all existing boating access facilities. Acquire photographs and measurements/dimensions as required.
- Note public access roads to these boat access facilities. Evaluate impacts to local or state highway systems with the addition of new driveway access points.
- Coordination with local municipalities and /or planning agencies as required.
- Research all public permits that will be required.
- Research existing public utilities.
- Assemble all collected information into a comprehensive database for all existing locations.
- Prepare a schedule for design, bidding, and construction activities.
- Submit to WV DNR for review.

Study for New Access Points

- Meeting with WV DNR to discuss the goals/objectives for new boat access locations.
- Field reconnaissance of proposed new boating access locations.
- Acquire photographs and measurements/dimensions as required.
- Research and evaluation of existing aerial photography and mapping.
- Coordination with local municipalities and /or planning agencies.
- Coordinate with private development interests that make be potential stakeholders.
- Research all public permits that will be required.
- Research existing public utilities.



- Prepare a schedule for design, bidding, and construction activities.
- Submit to WV DNR for review.

Schematic Design Study – Approximate 30 % Level of Completion

This is a typical scope of services for each boat access location.

- Provide a topographic field survey to be performed by Triad Engineering.
- Provide boundary and property surveys as required.
- Perform geotechnical and drilling services to be performed by Triad Engineering.
- Provide environmental services including Agency Scoping and Early Coordination, Environmental Baseline Studies, NPDES Permitting, Deep Mine Permitting, U.S. Army Corps of Engineers Section 10 and Section 404 Permitting, Wetland Delineation, Stream Investigations, Threatened and Endangered Species Investigations and Cultural Resource Investigations as warranted.

Civil Engineering Plan Sheet Development – Approximate 30% Level of Completion

- Prepare Title Sheet and General Notes.
- Preparation of existing conditions and demolition plan showing the locations of proposed borings.
- Prepare a site plan and details sheets.
- Prepare preliminary site grading plans to establish new vertical elevations of the proposed launches, the access road and turnaround, parking area, and associated site features.
- Prepare a site details sheet.
- Prepare a cost estimate for 30% submission.
- Preparation of erosion and sediment control (E&SC) plans and details.
- Preparation of preliminary Post Construction Stormwater Management Plan and Details.
- Riparian buffer plan and details.
- Submit results of Schematic Design Study to WV DNR for review.

All deliverables noted above will also be submitted in hard copy and electronically in PDF format for review by the WV DNR.

Marine Structural Design Phase Services

This is a typical scope of services for each boat access location. It is likely that structural engineering will be required to properly design the dock and launch facilities. Prepare structural plans, elevations, sections, and details for the new launches and docks. Structural design to include:

- Design soft launches for kayak access – new soft sand bottom and mobi-mat for ADA access.
- Design of a concrete abutment to support the ADA accessible dock and kayak launch.
- Design cofferdams to dewater construction area if required.
- Perform design analysis and calculations.
- Perform design in accordance with the Triad Engineering geotechnical recommendations.
- Prepare project specifications and construction cost estimate.
- Coordinate with dock and kayak launch manufacturers for proprietary products.

Agency Permits

Based upon the due diligence undertaken during the Schematic Design Phase, agency permits will need to be advanced in order to gain approval for construction. We expect the following permitting agencies will be involved:

- West Fork Conservation District
- West Virginia Department of Environmental Protection



It is possible that the following permits will be required:

- 401 Water Quality Certification
- NPDES – General or Individual
- Stormwater General
- Stream Disturbance
- Erosion and Sediment Pollution Control
- U.S. Army Corps of Engineers Joint Permit

Civil Engineering Plan Preparation

Further advance the civil engineering plans developed during the Schematic Design Phase:

- Preparation of existing conditions and demolition plan showing the locations of proposed borings.
- Prepare Title Sheet and General Notes.
- Prepare site grading plans to establish new vertical elevations of the proposed launches, the access roads, unloading area, parking area, and other associated site features.
- Prepare a site details sheet.
- Prepare plans submissions at the 60%, 90%, and 100% level of completion. Submit to WV DNR for review.
- Prepare technical specifications for 90% and 100% design submission levels of completion.
- Prepare cost estimate for 60%, 90%, and 100% design submission
- Preparation of a Post Construction Stormwater Management Plan and Details.
- Preparation of erosion and sediment control (E&SC) plans to cover the construction efforts in accordance with Greene County Conservation District (GCCD) policies and standards. We anticipate two submissions to GCCD with responses to comments after each submission – culminating in final approved drawings. We do not anticipate more than one phase of E&SC.
- The 100% submission of plan and specifications will be considered the construction documents for bidding.

Project Management & Coordination

- Attend design coordination and conference/Teams calls.
- Provide technical administration and quality assurance and quality control for the work products.
- WBCM project manager and staff will be available to respond to any needs or requests from the WV DNR staff.

3. *Provide Construction Contract Administration Services with competent professionals that ensure the project is constructed and functions as designed.*

WBCM will provide Construction Administration Services as shown below. Our Project Manager, John Perkun, will be available throughout the duration of the construction activities. John will make sure that any construction issues are resolved in a quick and efficient manner.

- Attend a Pre-Bid Meeting(s) if required.
- Respond to contractor questions during the bidding phase.
- Prepare addenda to contract documents if required.
- Evaluate bids and provide recommendations on Award to the WV DNR.
- Attend a Pre-Construction Meeting.
- Provide part-time construction inspection to monitor and confirm contractor progress. Full-time construction inspection can be evaluated if required.
- Attend construction progress review meetings as required.
- Be available for site visits as required.



- Review contract material submissions and shop drawings.
- Review and respond to contractor RFI's.
- Provide project closeout services, including as-builts from contractor redlines and field survey of the field lines.
- Prepare punch list report.

EXPRESSION OF INTEREST

State of West Virginia

A&E – West Fork River 12 New Boating Public Access Sites

II. REFERENCES



SECTION II – REFERENCES

Steve Johnson

Director of Engineering
MDOT Maryland Port Administration
410.631.1150
Sjohnson2@marylanbdports.com

Lisa Magee

Chief Engineer / Director of Engineering
PhilaPort (Philadelphia Regional Port Authority)
3460 North Delaware Avenue
Philadelphia, Pennsylvania 19134
267.549.4674
lmagee@philaport.com

Ron Graziano, P.E.

Director of Facilities Development
Carnegie Library of Pittsburgh
4400 Forbes Avenue
Pittsburgh, PA 15213-4080
412.622.1016
grazianor@carnegiellibrary.org

Kurt Carter

Vice President of Development
Hilco Redevelopment Partners
3144 W. Passyunk Avenue
Philadelphia, PA 19145
Office: 215.339.7013
Mobile: 443.202.4777
kcarter@hilcoglobal.com

Andrew Ritchie

Senior Real Estate Developer
Mon Valley Initiative
305 East Eighth Avenue
Homestead, PA 15120
412.464.4000, Ext. 4011
ARitchie@monvalleyinitiative.com

EXPRESSION OF INTEREST

State of West Virginia

A&E – West Fork River 12 New Boating Public Access Sites

III. QUALIFICATIONS AND EXPERIENCE OF KEY STAFF



SECTION III – QUALIFICATIONS AND EXPERIENCE OF KEY STAFF



Whitney Bailey Cox & Magnani, LLC (WBCM) is among the most preeminent civil engineering firms in the Mid-Atlantic region and possesses an extensive portfolio of providing planning and design services across the entire spectrum of waterway improvement projects. The design of waterfront and supporting landside facilities has been a significant segment of WBCM's consulting engineering services since its founding. WBCM's Marine Design Division is devoted full-time to both the rehabilitation of existing infrastructure and design of new waterfront facilities and has over 11 registered professional structural and civil engineers with accrued experience in the design, inspection, and analysis of marine structures, including bulkheads, boat ramps, floating and courtesy docks, marinas, shoreline protection, dredging, and piers. WBCM has worked with both public and private clients to provide structural and civil marine engineering services that include bulkhead design, inspection, and repair; pier design, inspection, and repair; shipyards and naval facilities; breasting and mooring facilities; fendering design; and all associated site/civil design, Americans with Disabilities Act accessibility, and permitting services.

Why Select the WBCM Team?

All the teams competing for The State of West Virginia, A&E – West Fork River 12 New Boating Public Access Sites will show experience in waterfront, boat ramps, master plan integration, and redevelopments of recreation parks and facilities. The WBCM team has several differentiators that will prove to The State of West Virginia that we should be the selected Team.

Experience: The WBCM team has extensive experience performing complete design services for public agencies throughout the Mid-Atlantic, including many in West Virginia. WBCM is familiar with all state and local engineering requirements and makes it a priority to keep abreast of the ever-changing environmental policies and regulatory requirements that have the potential to compromise project schedules and deadlines. We not only have the technical knowledge but the effective management skills necessary to steer the project schedule and budget with the common goal of producing a project that can be successfully implemented. WBCM will be utilizing a "Design Team" management structure that provides the ability to mobilize resources as needed. Unlike other large organizations, key staff from WBCM will be fully dedicated to the project for the entire contract period. The key staff members presented in our submission will be actively engaged and will not be replaced with lower-tiered staff as the contract moves forward.

Expertise: The WBCM key staff members proposed to work on this contract have cooperatively worked on a multitude of design and construction projects for public facilities. This specific industry experience eliminates the learning curve, blends cost-effective ideas with innovation to deliver functionally sound and environmentally compliant solutions through value engineering and constructability reviews, and provides the State of West Virginia with an experienced management core extensively familiar with the infrastructure required for this type of contract. The WBCM design team's experience planning and designing waterway improvement projects include all the significant components of this contract, including marine engineering, landscape architecture, general site development, site utility infrastructure, hydraulic engineering, surveying, and ancillary structures. The span of our experience and knowledge in environmental mitigation and marine construction has also allowed our team to develop lasting personal relationships with the marine contractor community, providing us access to current and accurate constructability, scheduling, means and methods, and pricing information.

Support Staff and Versatility: We have assembled a project team providing the State of West Virginia with a group of seasoned professionals that specialize in the design of various waterfront construction projects and studies. Our team has a long history of working together, as well as current collaboration on a multitude of similar projects in both the public and private sectors. This team offers a unique, fully integrated, in-house capability that can address every aspect of waterfront improvement projects and related infrastructure and the associated environmental challenges.





Demonstrated Expertise, Experience, and Knowledge

Civil Engineering: WBCM's civil engineers are well versed in providing design support for determining the proper location and elevation for surface improvements on-site, including adequate utility connections for water service, sanitary sewer disposal, and conveyance of the stormwater runoff. Our staff's years of experience on multiple open-end projects has provided them with an understanding of site development issues, the unique scheduling needs of individual projects, and the means to expedite approval processes for state agencies to move projects faster into the construction phase. Our seasoned civil engineers have experience mapping, modeling, and designing systems for the collection, management, and distribution of water, permitting, wastewater, and stormwater.

Landscape Architecture: WBCM's landscape architecture experience for public agencies has involved designs accommodating various sensitive site characteristics, including park designs utilizing existing site features, avoiding or minimally impacting environmentally sensitive areas, Americans with Disabilities Act (ADA) accessible facilities, and trail systems throughout parks; screening of adjacent land uses; preservation of existing forests; and enhancement of existing views through a selective clearing of vegetation. WBCM is also experienced in providing designs that meet maintenance requirements for public facilities, including use of vandal-resistant materials; native and low maintenance plant materials; proper construction detailing to prevent pavement failure, ponding, and other problems; as well as site access controls restricting use to designated users and minimizing intrusions onto adjacent off-site areas.

Marine / Waterfront: Since 1977, WBCM has maintained a dedicated Marine Engineering division that specializes in the planning, inspection, rehabilitation, repair, renovation, and design of marine structures and landside support facilities. Our experience includes all types of marine bulkheads, public boat landings, mooring facilities, shipyards, RO/RO and other loading/unloading facilities, piers and marinas, shoreline stabilization, living shoreline design, permitting, specialized material terminals, and the accompanying trestle, crane, breakwater, fendering and ramp design—in addition to waterfront housing and development. WBCM has prepared engineering analyses and designs for more than 500 individual waterfront tasks ranging in size and complexity, including thousands of linear feet of steel sheet pile bulkhead using nearly every type of tie-back system imaginable.

WBCM is adept with the civil site work, rail, and utility infrastructure associated with marine facilities as well as the permitting of marine and waterfront structures, including State and Federal permitting, stormwater management permitting, and erosion/sediment control permitting. We understand the challenges of obtaining waterway permits and have consistently demonstrated the knowledge and dedication to secure them within the project schedule. A sampling of our repeat clients includes the Maryland Port Administration, the City of Baltimore, CSX Transportation, PhilaPort, the Naval Facilities Engineering Command (NAVFAC), the U.S. Army Corps of Engineers, and Under Armour.

Waterfront Planning & Design Experience: Our maritime expertise includes the inspection, assessment, rehabilitation, repair, renovation, and design of a wide range of waterfront structures. These projects have all types of fixed and floating piers, bulkheads, revetments, breakwaters, wave attenuators, and mooring structures. WBCM serves various private and public clients working on commercial, residential, recreational, institutional, and mixed-use real estate.

This experience is in addition to projects that are not associated with on-call contracts. In 2017, WBCM completed a \$60 million project with Sagamore Development Company, LLC (Sagamore), in which we provided structural, marine, and civil engineering and surveying services for the renovation of the historic Fells Point Recreation Pier. The renovated facility, now known as the Sagamore Pendry Hotel, incorporates the historic head house as the main lobby, ballroom, and bar area for a 128-room hotel, including a pool, landscaped courtyard, restaurant, whiskey bar, and new boat launch. WBCM's design services focused on the complex upgrade and rehabilitation of the head house, warehouse, bulkhead, wharf, pier, and dock structures. This project, executed using Revit, would go on to be rewarded the "Best National Renovation/Rehabilitation" project by Engineering News-Record as well as an Excellence in Concrete Award (Rehabilitation) from the American Concrete Institute.

WBCM maintains a staff of LEED accredited professionals committed to integrating sustainable design principles into our projects. Preference will be given to the preservation and rehabilitation of existing structures when feasible. When demolition of waterfront structures is required, the reuse of recycled demolition debris within the adjacent landside development will be evaluated. Treatment of stormwater runoff from the waterfront area will also be integrated within the overall stormwater management master plan.



Triad Engineering, Inc. *Field Surveys, Geotechnical and Civil Engineering, Environmental Services, Drilling, Construction Testing and Inspection Services* – Triad Engineering, Inc is a multi-disciplinary engineering firm based in the Mid-Atlantic region specializing in the areas of geotechnical engineering, civil and utility engineering, surveying, construction materials engineering and testing and inspection, environmental consulting services, drilling, and other earth science-related disciplines. Since its founding in Morgantown, West Virginia, in 1975, Triad has provided engineering consulting services on thousands of projects of varying size and complexity. Triad is 100% employee-owned, with every employee taking part in Triad's ESOP from field support staff to senior managers.

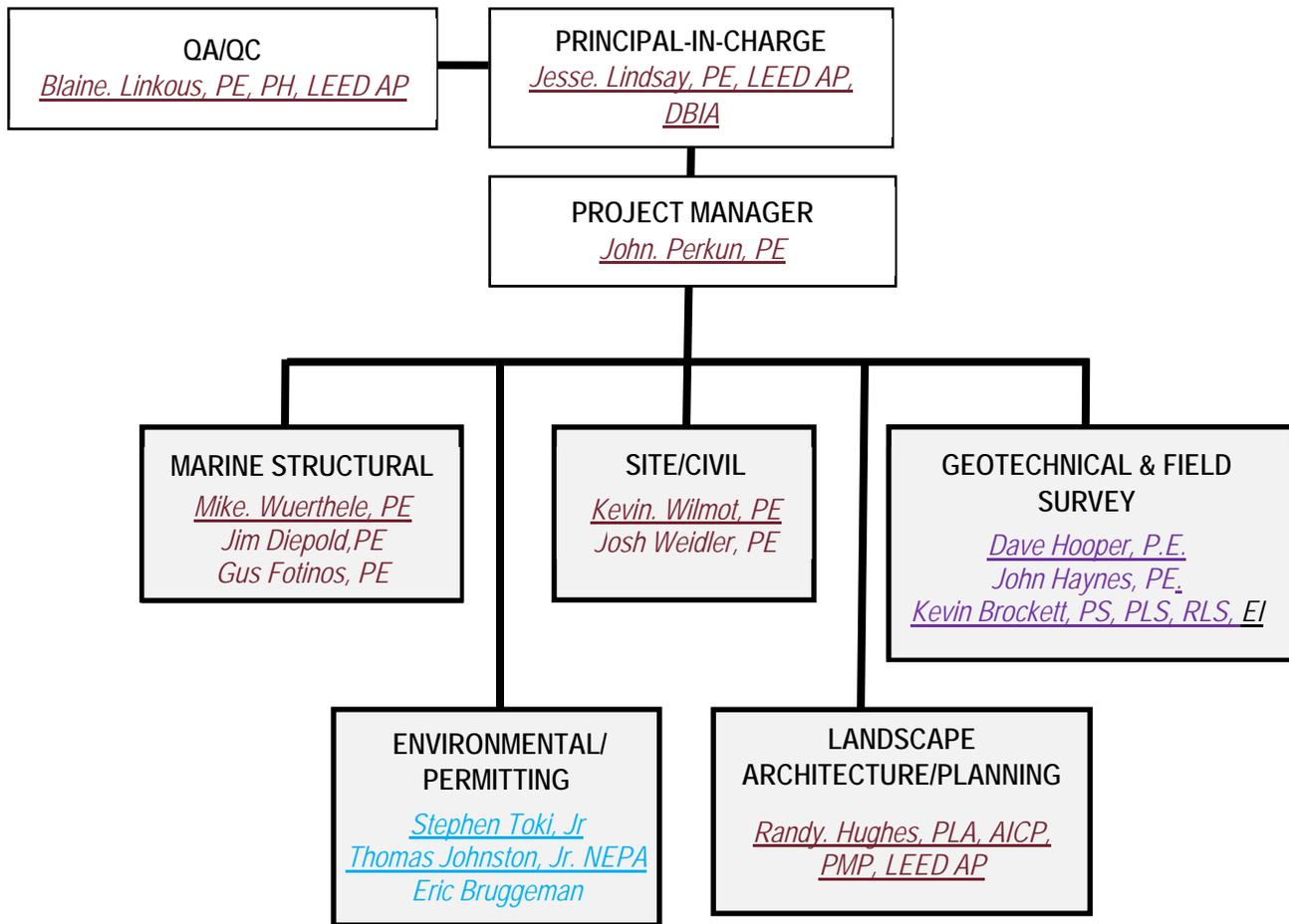
Triad currently employs approximately 160 professional, technical and administrative personnel in eight offices across five states. Their workforce includes environmental scientists, geologists, hydrologists, civil, geotechnical, mining engineers, landscape architects, chemists, surveyors, trained Computer-Aided Design (CADD) draftsmen, field and laboratory technicians, drillers, and support personnel. They pride themselves on a very low turnover rate, which adds to continuity and enhances the level of productivity and experience afforded by Triad.

Triad's expertise will be required for Geotechnical studies, drilling, and testing of subsurface material required for foundation designs. Triad will also provide all field and property surveys of the project area, including hydrographic surveys at the boating access sites. With over 46 years of service in West Virginia and surrounding states, both the number and complexity of their projects have grown. Their clients include federal, state, and local governmental agencies, contractors, architects, engineers, attorneys, developers, commercial organizations, and mining and industrial corporations. Facilities and equipment available to support their staff have continued to evolve through the years to adapt to the changing needs of the market. They have developed a fleet of drill rigs and support vehicles to meet the needs of our field operations. Well-equipped material testing laboratories are maintained to provide support for their geotechnical engineering and construction monitoring projects.



Skelly and Loy. *Environmental Engineering/Permitting* – Founded in 1969, Skelly and Loy, Inc. has built a reputation for excellence delivering professional services including environmental, civil, and mining engineering; National Environmental Policy Act (NEPA) compliance; natural resource management; wastewater permitting; noise and air quality investigations; hazardous waste management investigations and remedial design; industrial hygiene studies; archaeology and cultural resources; Geographic Information Systems (GIS); and water, wastewater, and remediation treatment systems. Skelly and Loy is an environmental consulting and engineering services company with more than 50 years serving public- and private-sector clients in the Mid-Atlantic region. Skelly and Loy recently joined the national consulting firm Terracon Consultants, Inc. Skelly and Loy's offices in Harrisburg, Pittsburgh, and State College, Pennsylvania, and Baltimore Metro, Maryland, will join Terracon's existing offices in the Philadelphia and Washington, D.C., metro areas, as well as Charleston, West Virginia, to serve clients throughout the region. Terracon has more than 150 offices across the U.S., providing environmental, geotechnical engineering, materials testing, and building enclosure services.

Skelly and Loy will be our lead consultant for all environmental permitting efforts. The office working on this project is Skelly & Loy, Inc., A Terracon Company, located at 3280 William Pitt Way, Pittsburgh, PA 15238.



LEGEND

Underline Indicates Resumes Included

WBCM

Skelly & Loy

Triad Engineering, Inc.



John Perkun, PE

Project Assignment
Project Manager

Education

MBA., Duquesne University - 1995
B.S., Civil Engineering, University of Pittsburgh - 1980

Registration

Professional Engineer: WV [REDACTED] - 1998 | PA, [REDACTED] - 1986 |

Years with WBCM: 5 Total Years of Experience: 41

Mr. Perkun has experience in managing performance, schedules, and budgets of bridge, roadway, traffic, site, and streetscape design and engineering projects. He has extensive knowledge in urban planning, design, and construction. Mr. Perkun (with a prior employer) was the Office Manager of the West Virginia Regional Office located in Morgantown, WV. Responsibilities included management, development, and training of a six (6) person technical staff, project management responsibilities for a variety of projects, marketing the office in the West Virginia region, and other business development-related duties. The specific duties of the position include a letter of interest and cost and technical proposal preparation, project scheduling, client interface, supervision of project teams including subconsultants, coordination of highway, site development and structural design efforts, periodic employee performance, and salary reviews, and coordination with corporate headquarters in Pittsburgh. Active involvement with the West Virginia Council of Engineering Companies (WV CEC). Served on the West Virginia Division of Highways/WV CEC Joint Forum Committee and the West Virginia Division of Highways Drainage Manual Review Committee.

Amandaville Bridges Replacement Final Design – Project Manager. Two major bridges on busy U.S. Route 60 in St Albans, WV, were replaced. The project included the design of a 630 Ft. bridge over the Coal River and a 360 Ft. bridge over the CSX Railroad. The construction cost was \$13,000,000. The client was the West Virginia Division of Highways.

Appalachian Corridor H – Section 15 – Randolph County, West Virginia – Co-Project Manager. The project included the preliminary design of three miles of new four-lane expressway with five major drainage culverts, one 500-Ft. Four-span bridge (dual structures), extensive erosion and sediment pollution control measures through mountainous terrain. Approximate construction cost \$50 Million. The client was the West Virginia Division of Highways.

Littleton Tunnel Bridge Replacement – Wetzel County, West Virginia – Project Manager. The project included preliminary and final design for a 140-Ft. Two-span steel bridge and 300-Ft. of approach roadway. The project included right-of-way plans, hydrologic and hydraulic studies, type, size, location studies, line and grade investigation, and final highway and structure plan preparation. The approximate construction cost was \$1 Million. The client was the West Virginia Division of Highways.

MacDale Bridge Replacement – Monongalia County, West Virginia – Project Manager. The project included preliminary and final design for a 120-Ft. Simple span steel bridge and 200-Ft. of approach roadway. The project included right-of-way plans, hydrologic and hydraulic studies, type, size, location studies, line and grade investigation, and final highway and structure plan preparation. The approximate construction cost was \$1.1 Million. The client was the West Virginia Division of Highways.

Morgantown WV Airport Office and Research Park, South, West Virginia – Project Manager. Responsible for the preliminary and final design of a 13-acre development for an office and research complex. The approximate construction cost was \$1 Million. The client was the Monongalia County (WV) Development Authority.

Wisecarver Reservoir Kayak and Canoe Launch Study and Design, Greene County, PA Planning Department – Project Manager. WBCM was recently selected for this project. Mr. Perkun will serve as the Project Manager for the design of multiple kayak and canoe launches along the Wisecarver Reservoir just west of Waynesburg, PA. WBCM will be working with funding and permitting agencies to ensure the success of the project.

Carnegie Library of Pittsburgh (CLoP) – Mt. Washington Branch Renovations, PA – Project Manager. Mr. Perkun served as Project Manager for site work required for renovation and expansion of the CLoP Mt. Washington branch. Site work includes ADA accessible ramp design, stormwater management in accordance with City of Pittsburgh standards; coordination with the Pittsburgh Water and Sewer Authority on water and sewer issues; design of a new water service connection; investigation and solution design for a basement water infiltration issue; and development of erosion & sediment control plans. Construction cost was \$2.6M with completion in 2021.





Blaine Linkous, PE, PH, LEED AP

Project Assignment QA/QC

Education

M.S., Environmental and Water Resources Engineering, University of Texas, Austin – 2004
B.A., Environmental Sciences (Concentration in Hydrology), University of Virginia – 2008

Registration

Professional Engineer: WV [REDACTED] – 2013 | MD, [REDACTED] – 2008 | VA, [REDACTED] – 2008

Years with WBCM: 16 Total Years of Experience: 23

Mr. Linkous is the senior vice president of WBCM's civil engineering site and utilities department and has 23 years of experience in environmental consulting, engineering, and construction. He has worked on a wide variety of civil, environmental, and water resources projects. Mr. Linkous has managed numerous design projects for site design, stormwater, wastewater, and water supply and drainage facilities.

Merritt Point Park Boat Ramp and Soft Launch, Baltimore County, MD – Project Manager. WBCM provided civil and structural engineering permitting and design services for the replacement of an existing boat ramp with a new boat ramp and finger pier and a new soft launch facility for kayaks and other small boats next to an existing pier south of the boat ramp site at an existing County waterfront park. The new boat ramp includes a 57.5-foot-long X 36-foot-wide boat ramp, two wing walls, and a 51-foot-long by 6-foot-wide aluminum floating boarding pier, fiberglass flank walls, interior guide pile, and toe wall, all extending a maximum of 42 feet channel ward of the mean high-water line. These repairs will give the boat ramp a lifespan of 50 years.

Pine Cliff Park Improvements, Frederick County, MD – Civil Engineer. Provided civil engineering services as part of the design, permitting, bidding, and construction phase services for renovations to parks and recreation facilities at this 89-acre park located along the Monocacy River. The design included the replacement of six picnic shelters and associated park amenities, expansion of existing parking lots to increase parking capacity at each shelter, and two new parking lots.

Hillcrest Heights Community Exercise Trail with Fitness Stations, Prince George's County, MD – Project Manager / Civil Engineer. The project scope included the design of 1,400 feet of eight-foot-side trail with fitness stations at this existing community park. The trail was within the 100-year floodplain and included the use of previous paving to meet stormwater management requirements. The project included complete design and permitting services.

Dundalk Readiness Center, Dundalk, MD – Civil / Site Engineer. Mr. Linkous provided civil engineering services for the project's parking lot expansion, stormwater management, water quality facilities, erosion and sediment control measures, and preparation and submittal of MDE permits. He also provided construction phase services, including shop drawing reviews, responses to RFIs, and field visits. WBCM provided complete design, permitting, and construction services, including as-built documentation for the redevelopment of the existing Dundalk Armory into a modern Readiness Center. Partial demolition of the 14-acre project site allowed redevelopment of the existing building to accommodate a new 23,500 GSF building addition, military-owned vehicle parking, two privately owned vehicle parking lots, new vehicular entrances, as well as associated security and site improvements. The D/B/B project entailed the construction of a 45,500 GSF total, two-story addition, and the renovation of 19,700 GSF of the existing structure for a new 65,900 GSF facility. The acquisition of a 5.74 -acre parcel of land allowed for the addition as well as road, parking, and other improvements that expanded the original project scope for parking and site improvements.

Replacement of Loch Raven Dam Ground Maintenance Complex, Baltimore, MD– Civil / Site Engineer. Mr. Linkous provided civil engineering services as part of the design, permitting, bidding, and construction administration phase services for the replacement and upgrade for the Loch Raven Reservoir Dam. The project involved the complete design of buildings, parking, services areas, utility infrastructure, and stormwater management of two project sites. For each of the two project sites included storm drain conveyance systems, water distributions system, wastewater station design, and well design and management.



Jesse Lindsay, PE, LEED AP, DBIA

Project Assignment
Partner-in-Charge

Education

B.S., Civil Engineering, University of Maryland College Park - 1997

Registration

Professional Engineer: WV, [REDACTED] – 2018 | MD, [REDACTED] – 2002

LEED AP – 2009

DBIA – 2016

Years with WBCM: 24 Total Years of Experience: 24

Mr. Lindsay has 24 years of experience in the management, design, and permitting of projects including, but not limited to, waterfront & marine engineering, dredging, stormwater management, floodplain analysis, site layout and grading, sediment and erosion control, roadway improvements, storm drainage, utilities, and general site development.

Martinak State Park Timber Bulkhead and Pier Replacement, Denton, MD – Partner-in-Charge. Oversaw professional engineering services for the preparation of design development and construction documents, including civil and marine structural drawings and specs, to install new replacement timber bulkheads, timber pier, and associated site work adjacent to a functioning boat ramp at Martinak State Park. A new Americans with Disabilities Act-compliant floating dock and gangway was designed to replace the existing timber pier. All construction was located within the footprint of the existing pier.

Bowleys Marina Reconstruction, Bowleys Quarters, MD – Partner-in-Charge. The project scope included a full suite of engineering services for the reconstruction and improvement of Bowleys Marina. The 509-slip marina was constructed in the 1950s at the confluence of Galloway Creek and Middle River. Services included design of 630 feet of steel pile supported floating breakwaters for wave attenuation and transient dockage; replacement of interior fixed timber piers (B through D) with new floating docks and fingers; modernization of electrical systems; maintenance dredging of near shoreline slips, travel lift, and a boat ramp to preserve access; and addition of boat lifts for the northern side of Pier E. Floating docks were installed near the travel lift and boat ramp to provide safe access for normal operations and vessel maintenance.

The Seafarers Harry Lundeberg School of Seamanship Waterfront Improvements, Piney Point, MD – Project Manager. Served as the primary contact, managed the design team, coordinated progress meetings, managed contract progress, and communicated with the principal-in-charge to ensure the project was on schedule and within budget. The project scope consisted of planning, design, permitting, and construction phase services for the design-build of waterfront improvements. The coastal engineering effort included a 220-linear-foot stone breakwater and 800-linear-foot riprap shoreline revetment designed in accordance with the U.S. Army Corps of Engineers (USACE) Shoreline Protection Manual to compute wave height, dynamic wave loading, forces, shore protection geometry, and stone armor sizing. Marine structural engineering included the design of 550 linear feet of steel sheet pile bulkhead, reconstruction of a 300-linear-foot pre-cast concrete plank pier, and a new floating marina. The project further required preparing, coordinating, and obtaining all permits, including Critical Areas, stormwater management, and obtaining approval for St. Mary's County land use permitting as well as a joint Maryland Department of the Environment (MDE)/USACE waterway construction permit.

Leonardtwn Wharf Park Revitalization, Leonardtown, MD – Project Manager. Served as the primary contact, managed the design team, coordinated progress meetings, managed contract progress, and communicated with the principal-in-charge to ensure the project was on schedule and within budget. The development was a two-phase project that included a commercial/retail area located 150 feet from the water's edge with a public park and promenade area located along the waterfront. The project scope was to design and acquire appropriate permits for the construction/development of the park area on behalf of the Commissions of Leonardtown. Engineering services included the design of a 550-foot-long bulkhead, a 14-foot-wide promenade walk, utilities (water, sewer, and storm drainage), a 10-foot-wide pier walkway over the water/wetlands, and layout of the future marina. Also located on the park site was a concession building supported by a pile foundation and a new pumping station replacing the existing pumping station located near the park.





Kevin Wilmot, PE

Project Assignment

Lead Civil Engineer

Education

B.S., Civil Engineering, University of Pittsburgh - 1985

Registration

Professional Engineer: WV, [REDACTED] - 1999 | PA, [REDACTED] - 2005 | OH, [REDACTED] - 2004

Years with WBCM: 2 Total Years of Experience: 32

Mr. Wilmot has progressive expertise with all facets of civil and municipal engineering, especially with land development, water, stormwater, and wastewater projects. He has diverse experience with complex municipal and privately driven construction projects and has supervised project teams during the execution of planning, design, permitting, funding, inspection, and construction of various infrastructure projects, including water and wastewater systems, hydraulic systems, process treatment facilities, pumping stations, stormwater management, roadways, and utilities.

Water & Wastewater Engineering Services, City of McMechen, West Virginia – Project Engineer and Project Manager for water treatment and distribution system planning and design, including WV IJDC funding applications, preliminary and final engineering services. Project Engineer on Water Rate Cost-of-Service Study (COSS). Project Budget of \$3,700,000.

Water Treatment Engineering Services, City of Wheeling, West Virginia – Senior Project Engineer for Water Treatment Plant membrane-filter treatment plant site, connections, utility, waste solids pumping, mixing basins, administration building, and site utility design. Project Budget of \$33,000,000.

Water System Improvement Projects, Parkersburg, West Virginia, Claywood Park Public Service District – Project Engineer designs including water line hydraulic analysis and improvement design, control valve systems, telemetry systems, pumping stations, and tank design, with bidding and construction drawings and documents. Construction Costs exceeded \$480,000.

Water Treatment Plant Design, Glen Dale, West Virginia, City of Glen Dale – Project Engineer for design, permits, bidding, and construction aspects for tray aeration system, well water source development including yield tests, with plant telemetry and metering, pumping systems, and site development. Construction costs exceeded \$1.2 million.

Water System Improvement Project, Camp Conley, West Virginia, Camp Conley Public Service District – Project Engineer and Manager for Hydraulic Analysis, water system planning and design including hydraulic analysis of system alternatives, rate study, and design of water system and elevated tank. Costs exceeded \$500,000.

Wastewater Treatment Plant, Masontown, Preston County, West Virginia – Project Manager – on project conducting planning, design, and construction aspects for wastewater treatment using wave oxidation extended aeration processes, treatment plant design, pumping stations, and sewer for a new system. The sewer system cost was \$3 million, and the construction of the wastewater plant exceeded \$2 million.

Wastewater Treatment Plant, Central Hampshire Public Service District, Hampshire County, West Virginia – Project Engineer on the project conducting planning, design, and construction aspects for wastewater treatment using wave oxidation extended aeration processes, treatment plant design, pumping stations, and new system. Included permits, planning and feasibility reports, as well as funding application and construction administration.

Sanitary Sewer Lift Station Design, and Construction Administration, Mason County, West Virginia – *Mason County Public Service District*, Project Engineer and Manager on the design of sewer extension and sewage pumping station for the development of Route 62 Corridor Project, Mason County.



Michael D. Wuerthele, PE

Project Assignment
Lead Structural Engineer

Education
BSAE., Architectural Engineering, Pennsylvania State University - 1983

Registration
Professional Engineer: WV, [REDACTED] – 2016 | PA, [REDACTED] – 1989 |

Years with WBCM: 22 Total Years of Experience: 39

Mr. Wuerthele is a Senior Structural Engineer with extensive knowledge of concrete, steel, masonry, and wood design. He has several years of experience in the construction industry, including a significant portion involving mid to high-rise construction. Mr. Wuerthele has also obtained an in-depth knowledge of prestressed concrete design. Acting as the Structural department manager, he has combined strong leadership qualities with an experience that allows WBCM to provide economical, efficient, and effective engineering design solutions.

Waterfront III Office Building, Pittsburgh, PA – As Project Manager, Mr. Wuerthele provided structural engineering services for a 69,730 sf., four-story office building. The building utilizes conventional steel frame construction with concrete on metal deck floors. The exterior façade is a combination of precast concrete panels and curtain walls. There is an enclosed penthouse on the roof to house mechanical equipment. A deep foundation system consisting of grade beams and caissons was used to transfer the building loads to a suitable subsurface soil strata. The first floor is a slab on grade, and there are no below-grade spaces. The project was completed in 2011 with a cost of \$8 million.

Oakland Office Building, Pittsburgh, PA – This project is a new, eight-story, 98,000 sf office/retail building located at the corner of Forbes Avenue and Colthart Avenue. The lowest level will be primarily for parking and will be fully buried on the Forbes Avenue side. The cost of construction for this structure was \$15 million. The project was designed in 2017, with construction in 2018.

River Vue Apartments, Pittsburgh, PA – River Vue is a 16-story building located near The Point in downtown Pittsburgh, PA. The building was originally the Pittsburgh State Office Building. The facility, which re-opened in 2012, holds 218 apartments and two-story townhomes. Renovation of this building was cited by the Wall Street Journal as an example of renewed livability of Pittsburgh. Mr. Wuerthele's role as the structural engineer for this building renovation included re-analysis of the structure for overall lateral stability, given increased Wind loading applied by new screen walls at the roof in combination with removal of columns from the original structure. The basement of the building was converted to vehicular parking for tenants, thus requiring rework for new entry/exit ramps. Structural work was also required at the roof level for several reasons, including new HVAC. The project cost was \$28 million.

The Bridge on Forbes Apartments, Pittsburgh, PA – Mr. Wuerthele acted as Department Manager overseeing the structural engineering services for the Forbes Avenue Apartment project, which consisted of a new 10-story, 275,000 sf building with eight levels of apartments over two levels of parking. The building structure consists of concrete floors supported by steel beams, girders, and columns. Lateral stability is provided by a combination of concrete shear walls and exterior wall x-bracing. The foundation system is grade beams and caissons. Construction to be completed in 2019.

Allegheny College, Additions and Renovations, Meadville, PA – Mr. Wuerthele performed structural engineering services required for two building additions and interior renovations to an existing steel frame structure. The additions are two stories (4200 SF) and three stories (7000 SF) and are framed with structural steel/load-bearing masonry construction. Foundations consist of shallow spread footings for both additions.

Bucknell University, Renovations to Demosthenean Hall, Lewisburg, PA – WBCM performed structural engineering for renovations of an existing on-campus fraternity building required to house the new Humanities Center. The total anticipated cost of construction is estimated at ±\$5.0 million. This project included a 7,500-SF, multi-story addition. The existing building was constructed in 1941 as a fraternity house, and in the 1960s, an addition was made to the original building. All new work required understanding the structures of two adjacent buildings. Structural work included a new elevator shaft, multi-story masonry wall construction, elevated steel-framed concrete slabs-on-deck, new steeply pitched wood-framed roof to a similar perpendicular roof, and significant attention to the existing wood attic floor framing.





Randall Hughes, PLA, AICP, PMP, LEED AP

Project Assignment

Landscape Architect / Planner

Education

BLA, Landscape Architecture, Kansas State University – 2001

Registration

Professional Landscape Architect: MD, [REDACTED] – 2005, | WV, Pending

American Institute of Certified Planners: [REDACTED] – 2012

Project Management Professional: [REDACTED] – 2018

LEED Accredited Professional – 2008

Years with WBCM: 17 Total Years of Experience: 20

Mr. Hughes has 20 years of experience in land and community planning and design, site development, site layout, and grading design, landscape design, and environmental planning for a range of public parks and active and passive recreational facilities, including lit and irrigated natural turf athletic fields, ball diamonds, hike/bike trails, and synthetic turf fields. He is well versed in the preparation of park master plans, design development plans, construction drawings, and permit processing plans through the Baltimore County Development Process and the Critical Area Commission.

Master Plan for Improvements to Cove Point Park and Development of the Dominion Energy Regional Park, Calvert County, MD – Project Manager / Planner. Served as project manager for preparing a master plan for Calvert County Department of Parks and Recreation. The master plan encompasses two separate parks located one mile from each other in Lusby, MD. The first park is the existing 80-acre Cove Point Park, the second a 208-acre new future park. The master plan encompasses preparation of site analysis, programming, draft alternative master plan options, and final master plan with accompanying report. The master plan was prepared with programming elements occurring across the two parks, ensuring each has a unique, distinct, and complementary design. Public participation was a vital component of the planning process, with public meetings and surveys conducted during the programming and draft master plan phases.

PRG Little Patuxent, Anne Arundel County, MD – Project Manager / Landscape Architect. Mr. Hughes served as project manager for this task order feasibility study project for Anne Arundel County Department of Public Works. Works to investigate the possibility of creating a recreational trail used for kayak and soft boat launch for water access and a connecting 20-space parking lot. The purpose of this feasibility study was to assess potential locations for four alternatives on County-owned land with Patuxent River / Little Patuxent River frontage/access for the suitability of accommodating the proposed trail and parking lot. Conceptual layouts, field assessments, and preliminary permitting impacts associated with the feasibility of the proposed improvements were included as part of the feasibility report.

Hot Sox Park Master Plan and Design, Anne Arundel County, MD – Project Manager / Landscape Architect. Currently overseeing construction administration Phase of the renovation and redevelopment of historic park property for Anne Arundel County Department of Public Works and the Recreation and Parks. The design services began with a master planning Phase that included public input and coordinating with the local community group to prepare a master plan report and associated extended plans. The design Phase then began for the Phase 1 planned development with services from schematic through bid set, permitting, and construction support. Park improvements included irrigated baseball field restoration; new grandstand, dugouts, and picnic pavilion; expanded parking; Americans with Disabilities Act accessible pathways; and road frontage improvements.

Church Lane Park, Baltimore, County, MD – Project Manager / Landscape Architect. Provided master planning phase services and are currently providing final design services for the new 4-acre neighborhood park in Pikesville, Maryland. The master planning phase included the development of three conceptual design alternatives and presentation at two public meetings. Upon selection of the preferred alternative final design phase began. The park includes minimal parking, a natural playground area, paved and unpaved walking trails, environmental restoration, pedestrian bridge stream crossing, pollinator garden, and stormwater management facilities. Design services, including permitting with MDE/USACE and Baltimore County Department of Public Services, are ongoing.



Dave Hooper, PE

Project Assignment

Project Manager, Lead Geotechnical Engineer

Education

B.S., Civil Engineering at the University of New York At Buffalo - 1988

Registration

Professional Engineer: WV., [REDACTED] - 1997

Years with Triad: 8 Total Years of Experience: 33

Mr. David Hooper brings more than 33 years of geotechnical engineering and project management experience to Triad Engineering, Inc., where he leads engineering projects operations in North Central West Virginia, and Western Pennsylvania, along with Energy projects for all of Triad's Regional operations. Mr. Hooper's specialties include geotechnical engineering assessments and design for transportation, public works, energy, and other public and private projects, project and client management, and personnel leadership to ensure contractual, schedule, and budgetary requirements are maintained.

Relevant Project Experience / Geotechnical

I-64 Widening, 29th St. Guyandotte River Bridge, Huntington, WV – Principal Engineer. David Hooper was a professional engineer for a caisson foundation installation. Mr. Hooper reviewed pre-installation cores, construction issues and made recommendations for the acceptance of foundations for support of the structure.

Corridor H, Kerens to Parson, Cheat River Bridge, Tucker County, WV – Principal Engineer. David Hooper served as Principal Engineer for cut slope and abutment fill design for a Design-Build pursuit. He provided a review of the proposed design for adherence to the DOH standards. In addition, provided stability analysis for fill slope design.

I-64 Miller Road Overpass Shoulder Slide Retaining Wall, Huntington, WV – Principal Engineer. At Design-Build Contractor's request, David Hooper evaluated alternative wall designs to the proposed cantilever system. Work included a review of existing wall design based on the PSSLOPE program and the development of various repair alternatives for the shoulder slide.

Deer Creek Rock Cut Slope Design, State Route 66, Pocahontas County, WV – Principal Engineer. David Hooper provided review and recommendations for the rock-cut slope design to stabilize the slope and provide for adequate site distance along the roadway. The slope design included approximately 650 linear feet of slope design to eliminate the near-vertical slope with existing overhangs and maintenance issues. Verified the design was in accordance with WVDOT Design Directives for rock-cut slopes.

PennDOT SR 6219 Bridge over Buffalo Creek, Somerset County, PA – Principal Engineer. Mr. Hooper provided preliminary and final foundation design recommendations for proposed twin 5-span structures (1,100 feet long). Recommendations consisted of a mix between shallow foundations, piles, drilled shafts, and footings on fill. Recommendations also included mine grouting.

VDOT U.S. Route 460 Connector, Grassy Creek Bridge, Buchanan County, VA – Principal Engineer. Mr. Hooper prepared the Geotechnical Engineering Report for the conceptual design of dual, seven-span high-level structures. Construction phase services included a review of the Design-Build Contractor's submittals for foundations, earthwork, and special designs for compliance with project specifications and minimum geotechnical requirements.



Kevin Brockett, PS, PLS, RLS, EI

Project Assignment

Survey Manager, Lead Surveyor

Education

A.S. Land Surveying, Glenville State College - 2015
B.S. Mining Engineering, West Virginia University - 2008
B.A. History, West Virginia University - 2011

Registration

Professional Surveyor WV., [REDACTED] – 2020-present

Years with Triad: 1 Total Years of Experience: 5

As the manager of Triad Engineering's surveying department in Morgantown, West Virginia, Mr. Brockett leads a team of experienced geospatial professionals while leveraging his technical skills to support and achieve the continuous goals of safety, efficiency, accuracy, and client satisfaction. His diverse range of past project work has encompassed many aspects of surveying for both private and public clients. In addition to his other responsibilities, Mr. Brockett has engaged in hydrologic analysis, easement negotiations with project stakeholders, and management of traffic monitoring data collection. During his 5+ years of experience as a surveyor, Mr. Brockett has demonstrated proficiency with boundary surveys for private homeowners, commercial ALTA surveys, topographic surveys, right-of-way alignment surveys, and construction layout surveys.

Astronomical Alignment Survey, Green Bank, WV – Survey Manager. Mr. Brockett combined GNSS data collection with field observations of the star Polaris to establish the correct astronomical alignment of a new scientific telescope in Green Bank, West Virginia. He collected and analyzed the observational data, performed all necessary computations, determined the proper orientation of the proposed structure, and set physical markers on-site to serve as permanent references for the construction effort. He coordinated directly with facility staff to accomplish the necessary fieldwork within the limitations of unusual restrictions that were specific to the site.

Private Boundary Surveys, Various Counties, WV – Survey Manager. Mr. Brockett collaborated with numerous private landowners to optimize land-use planning while complying with all laws and local ordinances. He developed cost-of-work estimates for boundary surveys, researched land records, conducted fieldwork, analyzed survey data, drafted plats of survey, and wrote metes-and-bounds legal descriptions.

Unmanned Aerial Photogrammetry, Numerous Locations in OH, PA and WV – Survey Manager. Mr. Brockett collected topographic survey data by means of an unmanned aerial vehicle. He set ground control targets, operated a small UAV as an FAA-certificated remote pilot, ensured compliance with applicable regulations and laws, established appropriate ground control points with conventional instrumentation and/or GPS equipment, operated equipment with a strong emphasis on public safety, performed quality assurance on captured images, and processed images to produce orthographic mosaic photographs and three-dimensional models.



Stephen Toki, Jr.

Project Assignment

Senior Scientist – Natural Resources

Education

B.S., Environmental Health/Biology Minor, Indiana University of Pennsylvania - 1995

Registration

FAA Qualified Wildlife Hazard Biologist

Years with Skelly and Loy: 11 Total Years of Experience: 27

Mr. Toki has over 27 years of natural resources-related experience, including three years as a Fisheries Biologist with the Pennsylvania Fish and Boat Commission. His responsibilities primarily include natural resources/ecological evaluations, NEPA documentation, and state/federal water obstruction and encroachment permitting. In his role, Mr. Toki serves as a lead investigator, field coordinator, and overall project coordinator.

Corridor H Project, Randolph, Tucker, Grant, Hardy and Hampshire Counties, West Virginia – Project Manager. Mr. Toki serves as Project Manager and Senior Resource Technical Lead for this project. In addition to his management role, Mr. Toki is responsible for a variety of ecological evaluations (i.e., wetland delineations, stream habitat assessments, threatened and endangered species surveys, etc.) and reporting in support and preparation of required NEPA Reevaluations as well as federal and state permit applications for Sections 01-03 (approximately 30 miles of “new” roadway) of the proposed highway system. Mr. Toki identified, evaluated, and documented several mitigation actions relative to brook trout habitat enhancement/restoration within the Monongahela National Forest for the U.S. Forest Service, including the elimination of aquatic passage impediments. Additionally, Mr. Toki developed an ecological-based restoration project which incorporated stream, wetland, and riparian restoration and creation along a previously undocumented naturally reproducing trout stream within the project area. Mr. Toki also conducted various species habitat and presence/absence species surveys (timber rattlesnake, green salamander, woodrat, goshawk, etc.) for the project as required by the U.S. Forest Service. Mr. Toki supervised the basin inventory and assessment findings per USACE 404 permit stipulations along the Davis to Bismarck section of Corridor H. Most recently, Mr. Toki oversaw, directed, and assisted with RT&E species surveys on both the Parsons to Davis and Wardensville projects. As part of this effort, Mr. Toki facilitated teaming arrangements with three different subconsultants in order to meet WVDOH project schedules as well as the individual species survey windows.

Wellsburg Bridge over the Ohio River Design-Build Public/Private Partnership, Brooke County, West Virginia – Senior Field Crew Leader. Mr. Toki served as a senior field crew leader responsible for the inventory, classification, and characterization of aquatic resources within the project study area (both Ohio and WV). As part of this effort, Mr. Toki conducted, documented, and oversaw Waters of the United States determinations and completion of respective state resource analyses in support of United States Army Corps of Engineers (USACE) Section 404 and two Individual Section 401 State Water Quality permitting requirements. Mr. Toki also prepared the Waters of the U.S. Jurisdictional Delineation Report and facilitated a successful agency field view in order to obtain state and federal concurrence on delineated features and functional parameters. Mr. Toki successfully coordinated and obtained Waters of the United States related permitting approvals, including facilitation of proactive compensatory resource mitigation within Ohio and WV for this new bridge project over the Ohio River.

Beckley Z-Way, Beaver to South Eisenhower Boulevard, Raleigh County, West Virginia – Senior Field Crew Leader. Mr. Toki served as a senior field crew leader responsible for the inventory, classification, and characterization of aquatic resources within the project study area. As part of this effort, Mr. Toki conducted, documented, and oversaw Waters of the United States determinations and WV SWVM analyses in support of NEPA reporting requirements. Mr. Toki also assisted in the preparation and review of the Preliminary Aquatic Resource Report.

Coalfields Expressway Mullens Connector Design-Build Public/Private Partnership, Wyoming County, West Virginia – Senior Lead Crew Leader. Mr. Toki served as a senior field crew leader responsible for the inventory, classification, and characterization of aquatic resources within the project study area. As part of this effort, Mr. Toki conducted, documented, and oversaw Waters of the United States determinations and WV SWVM analyses in support of United States Army Corps of Engineers (USACE) Section 404 and Section 401 State Water Quality permitting requirements. Mr. Toki also assisted in the preparation and review of the Preliminary Waters of the U.S. Jurisdictional Delineation Report and facilitated agency field views in order to obtain concurrence on delineated features and functional parameters.



Thomas Johnston, Jr.

Project Assignment

Senior Scientist – NEPA Permitting

Education

B.S., Biology, Shippensburg University – 1983

A.A., Biology & Chemistry, Harrisburg Area Community College -1981

Registration

U.S. Army Corps of Engineers, Baltimore District Wetlands Delineator Certification | U.S. Fish and Wildlife Service HEP Certification-1987 | U.S. Fish and Wildlife Certification in Principles and Techniques of Electrofishing-1994

Years with Skelly & Loy: 35 Total Years of Experience: 37

Mr. Johnston is responsible for the coordination of ecological and regulatory services conducted in the Mid-Atlantic States. Over the past several years, he has been involved in various projects ranging from wetlands investigation to aquatic sampling to terrestrial habitat modeling. Mr. Johnston is involved in all facets of biological projects, including field data collection, data analysis, report generation, regulatory filings, and project management. He has managed more than 100 habitat restoration and mitigation projects that have included both specific wetland studies and general Environmental Assessments for a variety of government, utility, and private clients.

NEPA Experience – Over the past 30 years, Mr. Johnston has managed and participated in a wide range of NEPA environmental studies associated with a wide variety of federal actions. The studies have been associated with U.S. DOT transportation projects, U.S. Army Corps of Engineers 404 Permits, FERC authorizations, OSM permits, and U.S. DOI mineral reserve leases. Mr. Johnston served as the Natural Resource Coordinator on the Joint NEPA-404 project conducted by the Federal Highways Administration in the northeast. He served as the environmental project manager of a Joint NEPA-404 Environmental Impact Statement for a 12-mile section of new Interstate Highways spanning two states. Mr. Johnston has been involved in over 200 individual projects which have involved NEPA studies and clearances.

Tygart Valley Pipeline, West Virginia – Project Manager. Currently, Mr. Johnston serves as the natural resources studies and permitting project manager for a new 32-mile, 24-inch midstream pipeline project in West Virginia for Crestwood Midstream Partnership, LP. The project includes wetlands and stream delineation and mapping, Indiana Bat screening studies, and Endangered Plant survey. The permit is being coordinated as a single Section 404 NWP #12 Pre-Construction Notification (PCN) with the USACE Pittsburgh District. The project includes extensive coordination with the U.S. Fish & Wildlife Service related to federal T&E species clearance to allow for accelerated permitting.

Upper Ohio River Navigation Study HEP Analysis, Port of Pittsburgh, Pennsylvania – Project Manager. Mr. Johnston conducted a U.S. Fish & Wildlife Service Habitat Evaluation Procedure (HEP) study as part of the NEPA EIS for the Upper Ohio River Navigation study. The HEP study evaluated the potential impacts to river fish populations associated with the various lock and dam reconstruction alternatives at the Montgomery, Dashields, and Emsworth L&D. The impact analysis included the evaluation of the channel habitat lost to new lock cell construction and the relocation of the saline in and out of the lock. The project included the development of riverine mitigation alternatives. The study evaluated potential terrestrial impacts associated with laydown area (staging) and assessed the cost-effectiveness of various restoration alternatives.

Corridor O Project, Clearfield, and Centre Counties, Pennsylvania – Supervisor of Natural Resource Studies. Mr. Johnston served as the supervisor of Natural Resource studies for this Delineation study that identified and delineated 1255 wetlands, comprising 315 acres in size. Skelly and Loy, Inc. completed the Wetland Delineation study on the 35 square mile area extending from Port Matilda in Centre County to Interstate 80 north of Phillipsburg in Clearfield County. Forested and emergent wetlands were located throughout the headwater reaches of numerous first-order tributaries and along the floodplains the larger second and third-order streams. The U.S. Army Corps of Engineers and Pennsylvania Department of Environmental Protection reviewed the results and concurred with the wetland delineations.

Central Susquehanna Valley Transportation Project, Northumberland County, Pennsylvania – Natural Resource Manager. Skelly and Loy, Inc. completed the Wetland Delineation study on the 20 square mile study area extending from Selinsgrove in Snyder County, north to the Chillisquaque Creek in Northumberland County. Mr. Johnston served as the Natural Resource Manager for this study. The Delineation study identified and delineated 450 wetlands, comprising 30 acres in size.

EXPRESSION OF INTEREST

State of West Virginia

A&E – West Fork River 12 New Boating Public Access Sites

IV. CAPABILITY, CAPACITY, AND RELEVANT PROJECT EXPERIENCE



SECTION IV – CAPABILITY, CAPACITY, AND RELEVANT PROJECT EXPERIENCE



ESPLANADE WATERFRONT PROJECT

Pittsburgh, PA

OWNER/CLIENT: Millcraft Investments, Inc.

CONTACT: Jim Holcomb, 412.471.1604 jholcomb@millcraftideas.com

PROJECT TYPE: Marine Engineering and Design

SERVICES: Design-Build, Marine Industrial

WBCM provided a concept design and study for the proposed waterfront infrastructure for this development. The waterfront infrastructure includes a pier and ice deflector on the south end of the site with a floating marine and a hotel to the north located on the Ohio River. Services included:

- Review of the existing site conditions, including meteorological, hydrologic, and hydraulic data.
- Assessment of floodplain, scour, and ice conditions.
- Review of regulatory and planning issues with the US Coast Guard, US Army Corps of Engineers, Pennsylvania Department of Environmental Protection, City of Pittsburgh, and Allegheny County.
- Preparation of concept designs and layouts for the proposed marine facility.
- Meetings with the client to review proposed alternatives.
- Refinement of preferred alternatives.
- Assistance for ICON USA with a cost estimate of proposed waterfront infrastructure.
- Preparation of a Final Report documenting the project.





BOWLEYS MARINA RECONSTRUCTION

Bowleys Quarters, MD

OWNER/CLIENT: Bowleys Marina

CONTACT: Ed Harwood, 410.335.3553 ed@bowleymarina.com

PROJECT TYPE: Civil and Environmental Engineering

SERVICES: Civil and Marine Structural Engineering, Permitting, and Surveying Services

WBCM provided a full suite of engineering services for the renovation of Bowleys Marina. The 509-slip marina was constructed in the 1950s at the confluence of Galloway Creek and Middle River. The facility is comprised of five fixed timber piers labeled A through E (south to north). A sunken barge lies within the Pier B T-head, which is also the location of the existing fueling area. Wave exposure from the south and west due to inadequate wave attenuation has resulted in unsafe operating conditions and caused damage to piers and vessels. All electrical systems and several piers were damaged by Hurricane Isabel in 2003.

The improvements were performed in phases, with priority being given to the installation of outboard wave attenuation structures and relocation of the fueling area. The improvements to the marina interior and maintenance dredging will follow in subsequent phases.

WBCM designed new floating wave attenuation structures along Pier A and a new wave attenuator/pier (Pier F) running north-south outboard of the existing T-heads. These outboard structures were sized as 16-foot-wide units to provide sufficient wave attenuation capacity to address the safety, stability, and durability requirements.

WBCM coordinated the removal of a sunken barge near the existing fueling area and designed the relocation of the fueling area from Pier B to Pier F. Turbidity curtains were around the work area to confine the sediment plume during barge removal.

Future phases include modernization of electrical systems; maintenance dredging of near shoreline slips, the travel lift, and a boat ramp to preserve access; replacement of the interior, fixed timber piers (B through D) with new floating docks and fingers while maintaining existing slip dimensions; and the addition of boat lifts for the northern side of Pier E. Floating docks were installed near the travel lift and boat ramp to provide safe access for normal operations and vessel maintenance.

WBCM also addressed the construction of floating docks on the north and south sides of Piers B and C and the south side of Pier D for the launching and transient storage of dinghies. Openings were provided between the dinghy docks to preserve public access to the shoreline and minimize impacts to submerged aquatic vegetation





DEALE COMMUNITY PARK MASTER PLAN

Deale, MD

OWNER/CLIENT: Anne Arundel County Department of General Services

CONTACT: Kim Lee, 410.222.4142 phlee200@aacounty.org

PROJECT TYPE: Master Planning Park Recreation

SERVICES: Feasibility, Programming, and ADA Surveys

Through an on-call engineering services contract, the Anne Arundel County Department of General Services, in conjunction with the Department of Recreation & Parks, contracted Whitney, Bailey, Cox, and Magnani, LLC (WBCM) in December 2020 to lead the effort of developing a master plan over the following nine months. The process included a thorough investigation and analysis of the on-site natural resources, review of the current conditions of the park, development of a program to suit the needs of the community, and the creation of a master plan to best fit the approved programming of the park site.

WBCM's team worked closely with representatives from the Department of Recreation & Parks (DRP) to ensure the planning process included County and stakeholder input and that the ultimate master plan represented the desired vision of the community.

Prior to engaging a planning consultant, DRP had obtained an overall "wish list" of desired park programming elements that was compiled by the community and stakeholder group. The planning process began with the site analysis phase. This included the collection of available record information, as well as performing site visits and desktop analyses of the existing condition information obtained. Analysis of the current site data led to the identification of opportunities as well as constraints present at the project site.

The park programming phase was structured to present the findings of the site analysis to familiarize stakeholders' members with the park site and their overall potential for future development. The initial "wish list" of the park programming element was illustrated within the three draft concept alternatives. This gave a visual weight to programming elements and how much was developable and possible on the project site.





LEONARDTOWN WATERFRONT PARK
Leonardtown, MD

OWNER/CLIENT: Commissioner of Leonardtown
CONTACT: Laschelle McKay, 301.475.9791 laschelle.mckay@verizon.net
PROJECT TYPE: Civil and Marine Engineering
SERVICES: Civil and Marine Structural Engineering, Permitting and Surveying Services

The Commissioners of Leonardtown (St. Mary's County, Maryland) selected WBCM to provide planning; civil, structural, and marine engineering; and construction phase services for revitalizing and redeveloping a vacant lot and deteriorated timber pier and bulkhead located at the end of Washington Street along the north shore of Breton Bay.

The original site housed an old ice plant site, a waterfront restaurant, a few piers, and a small marina. Project scope centered on developing a public park and promenade area located along the waterfront with a commercial/retail area located approximately 150 feet from the water's edge.

WBCM designed waterfront improvements and acquired appropriate permits for the construction/development of the area. Engineering services included the design of a 550-foot-long bulkhead, 14-foot-wide promenade walk, 10-foot-wide timber pier walkway over the water/wetlands, kayak ramp, landside grading, concession building, utilities (water, sewer, and storm drainage), and layout of the future marina. The concession building was supported by a pile foundation and required a new pumping station to replace the existing pumping station located in the park's vicinity. Environmental issues involved in the development of the site included U.S. Army Corps of Engineers/Maryland Department of the Environment joint permit approval, tidal wetland creation/mitigation, on- and off-site tree mitigation as required by Critical Area Commission, off-site stormwater runoff, and on-site stormwater management approval. The pile-supported boardwalk through the tidal wetland mitigation area design simultaneously educates users on the importance of wetlands to the ecosystem.





MARTINAK STATE PARK TIMBER BULKHEAD AND PIER REPLACEMENT

Denton, MD

OWNER/CLIENT: Maryland Department of General Services/Maryland Department of Natural Resources

CONTACT: Akrem Awad, 410.767.7970 akrem.awad@maryland.gov

PROJECT TYPE: Civil and Surveying Services

SERVICES: Civil and Marine Structural Engineering, Permitting and Surveying Services

WBCM is providing professional engineering services for the preparation of design development and construction documents, including civil and marine structural drawings and specs, to install new, replacement timber bulkheads, a timber pier, and associated site work adjacent to a functioning boat ramp at the Martinak State Park in Denton, MD. A new floating dock and gangway, Americans with Disabilities Act-compliant, will replace the existing timber pier. All new construction is located within the footprint of the existing timber pier.



Field studies include a geotechnical investigation and topographic surveys. WBCM reviewed previously performed topographic and hydrographic surveys for developing a base plan for the project.

The bulkhead design is predicated upon using conventional timber construction with a tie-rod/deadman tieback system. The existing batter pile deadman and tie-rods will be used to the extent possible. The new bulkhead will be placed just outboard (18 inches+/-) of the existing timber bulkhead. The eastern bulkhead will be designed with an outboard batter pile system as requested by the Department of Natural Resources.

A water service (yard hydrant) and light poles will be relocated and/or replaced to allow for the construction of the new bulkhead next to the boat ramp.

Permitting services to include preparation and submission of applications for Chesapeake Bay Critical Area compliance and MDE/USACE Joint Permit for impacts to navigable waters and tidal wetlands.





MASTER PLAN FOR IMPROVEMENTS TO COVE POINT PARK AND DEVELOPMENT OF THE DOMINION ENERGY REGIONAL PARK

Calvert County, MD

OWNER/CLIENT: Calvert County Department of Parks and Recreation
CONTACT: Shannon Nazzal, 410.535.1600 Shannon.Nazzal@calvertcountymd.gov
PROJECT TYPE: Master Planning Park Recreation and Landscape Architecture
SERVICES: Feasibility, Planning, and ADA Surveys

The master plan encompasses two separate parks located within one mile of each other in Lusby, MD, the first of which is an existing 80-acre Cove Point Park. In contrast, the second is the future Dominion Energy Regional Park, planned to encompass 208 acres. The master plan contains preparation of site analysis, programming, draft alternative master plan options, and final master plan with accompanying report. The Cove Point park plan centralized on the reorganization, consolidation, and bolster of existing park amenities to improve functionality and experience. This includes the expansion of the northwest corner to provide a picnic and trail system and the addition of an indoor recreational facility and a second park entrance along Cove Point Road. Throughout the entire park, pedestrian safety improvements were implanted as well as an integration of green stormwater infrastructure.



The East portion of the park is centered on the addition of a Recreational Center building that is surrounded by an expanded tennis and pickleball court facility, relocated basketball courts and an improved multipurpose field and baseball diamond to the north with pavilions and a restroom facility. All fields are proposed to include fences, dugouts, bullpens, batting cages, scoreboards, bleachers, and lighting. In the center of the facility is a Restroom/Concession/Press Box Building. Basketball courts have been strategically located from the east portion of the park to the west to be within proximity of the Recreational center and the other local athletic sports amenities.

The Future park plan focused on an approach of a sports park that will become a regional destination for Southern Maryland by providing an array of athletic amenities for action and team sports, as well as cater to the everyday uses for the surrounding local community with a strategically located Indoor Recreational Center and Community event space, an expansive paved and unpaved walking/jogging trail network, and a system of pavilions, shelters, and shade structures to cover all outdoor activities and events. Additionally, preservation of historical and cultural elements of the site was incorporated in the use and organization of the park, and environmental restoration of the site was achieved through green infrastructure and reforestation planting.





MERRITT POINT PARK SOFT LAUNCH
Dundalk, MD

OWNER/CLIENT: Baltimore County
CONTACT: Diana Clark, 240.912.3494 dclark@clarkazar.com
PROJECT TYPE: Design with Construction Observation
SERVICES: Design and Civil Engineering

WBCM provided permitting and design services for the replacement of an existing boat ramp with a new boat ramp and finger pier and a new soft launch facility for kayaks and other small boats next to an existing pier south of the boat ramp site at Merritt Point Park in Dundalk, Maryland. Marine scope included visit of the site, preparation of design and construction documents for improvements including concrete boat ramp, floating boarding pier and soft sand bottom and mobi mat for ADA access for soft launch kayak access and bidding and CA phases. The new boat ramp includes a 57.5-foot-long X 36-foot-wide boat ramp, two wing walls, and a 51-foot-long by 6-foot-wide aluminum floating boarding pier, fiberglass flank walls, interior guide pile, and toe wall, all extending a maximum of 42 feet channel ward of the mean high-water line. These repairs will give the boat ramp a lifespan of 50 years.





RIDE THE DUCKS-BOAT RAMP

Baltimore, MD

OWNER/CLIENT: Ride the Ducks of Baltimore, LLC

CONTACT: Mike Kovach, 410.727.5324

PROJECT TYPE: Marine and Surveying

SERVICES: Marine Structural Engineering and Surveying Services

WBCM provided professional engineering services and structural inspection for a floating ramp and small floating next to the ramp to provide handicap assistance to the existing boat docks, located on Caroline Street in Baltimore City, part of the Living Classrooms Foundation. This tourism-related project gives guided tours on land and sea in reconditioned World War II amphibious vehicles known as Ducks to be located at the Baltimore Museum of Industry on Key Highway in Baltimore City. Ride the Ducks utilizes restored and replica DKUW amphibious watercraft to take tourists throughout several cities in the U.S. This project enabled the construction of an access ramp to enable the boats to enter and exit the water. Work was also completed on the Anacostia River dock for tours of the nation's capital.





THE SEAFARERS HARRY LUNDEBERG SCHOOL OF SEAMANSHIP WATERFRONT IMPROVEMENTS Piney Point, MD

OWNER/CLIENT: Lundeberg Maryland Seamanship School, Inc.

CONTACT: John Parlett, 301.884.4133 johnp@cmigc.com

PROJECT TYPE: Civil and Marine Engineering

SERVICES: Civil and Marine Structural Engineering, Construction Management Services, Permitting and Survey Services

WBCM provided planning, design, permitting, and construction phase services for the design-build of waterfront improvements at the Lundeberg Seamanship School in Piney Point, Maryland. The school's – whose purpose is to educate and train personnel for service on United States Merchant ships – existing marine structures had deteriorated to the point where the timber bulkheads along the facility's shoreline had failed, and existing timber piers required replacement.

WBCM worked with the client to create innovative structural designs within budget. Coastal engineering efforts included a 220-linear-foot stone breakwater and 800-linear-foot riprap shoreline revetment that was designed in accordance with the U.S. Army Corps of Engineers (USACE) Shoreline Protection Manual accounting for the wave height, dynamic wave loading, forces, shore protection geometry, and stone armor sizing. Marine structural engineering services included designing 553 linear feet of steel sheet pile bulkhead, wharf, and davit/boat lift; reconstructing a 323-linear-foot hybrid, pre-cast concrete plank and steel framed pier supported on existing timber pile bents and a new concrete and timber sectioned floating marina. Cost savings of \$500K were realized in reusing and repairing existing timber piles and caps to support a new ditch system versus new piling.

WBCM was further responsible for preparing, coordinating, and obtaining all permits, including critical area, stormwater management, St. Mary's County land use, and a joint Maryland Department of the Environment/USACE waterway construction permit.





WHITING LAKEFRONT PARK

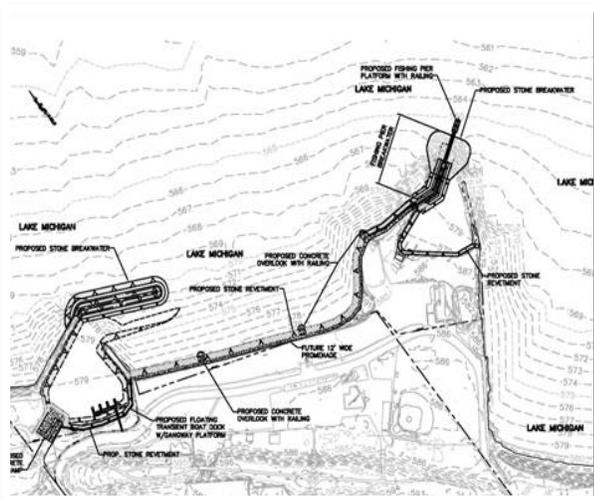
Whiting, IN

OWNER/CLIENT: American Structurepoint, Inc.
CONTACT: Kevin Krulik, 614.901.2235 kkruklik@structurepoint.com
PROJECT TYPE: Civil and Structural Engineering
SERVICES: Marine, Civil, and Structural Engineering

WBCM provided marine, civil, and structural engineering services for the design of waterfront improvements for Whiting Lakefront Park on Lake Michigan in Whiting, Indiana. WBCM was responsible for transporting the master plan into construction documents and performing the engineering of the design elements consisting of 1,300 linear feet of stone revetment shore protection with concrete overlook platforms, a 250-linear-foot stone breakwater, 150-linear-foot fishing pier, a new boat ramp, and dredged boat harbor with protective breakwaters, and a floating boat dock.

One of the unique challenges facing WBCM was integrating marine structural elements into the aesthetics of the Lake Front Park while providing structural capacity to withstand Lake Michigan's dynamic wave action from storm events. Computer modeling of the dynamic wave action was employed to design the fishing pier uplift forces, breakwater geometry as well as the stone revetment cross-section.

In addition to the design, WBCM provided the permitting and cost estimating of the waterfront improvements. WBCM incorporated a large quantity of existing concrete rubble into the subgrade of the stone revetment shore protection as an effective use of recycled material and to significantly reduce the construction cost.





WELCH RIVERFRONT PARK

Welch, WV

OWNER/CLIENT: City of Welch, WV

CONTACT: Mayor of Welch, WV 304-463-3113 welchww@mcsww.net

PROJECT TYPE: Civil Design, Geotechnical, and Environmental Services

SERVICES: Civil Engineering and Design, Geotechnical Engineering, Permitting, Surveying Services, and Phase I ESA

Triad Engineering, Inc. worked with the City of Welch to develop a park in the downtown area as part of a long-range plan to revitalize the city. Riverfront Park consists of a town green, public gathering place, riverfront plaza, gazebo and overlook, river access point, fishing pier, and parking area.

In addition to the park, the project consisted of designing historical restorations of several downtown buildings. The design of a trail system linking this area to an existing city park was included in the project.

Triad Engineering, Inc. provided site civil design and layout, grading and drainage of park areas, utility design, selection of park amenities, and landscape plans.

A detailed hydraulic analysis of the Tug Fork River was completed to determine hydraulic impacts. Preparation of permit applications was accomplished.





TOURNAMENT PARK
Franklin, WV

OWNER/CLIENT: Pendleton County Parks and Recreation Commission
CONTACT: Pendleton County Parks and Recreation Commission, 304-358-7573
PROJECT TYPE: Civil Design, Geotechnical, and Environmental Services
SERVICES: Civil Engineering and Design, Geotechnical Engineering, Permitting, Surveying Services Construction Administration and Phase I ESA

Triad Engineering, Inc. worked with the Pendleton County Parks & Recreation Commission to develop a 15 Acre site near Franklin, WV, into a community park (Tournament Park).

Tournament Park hosts Multi-purpose Sports Fields for baseball and soccer. The Jousting Course was designed to be utilized during the annual local fall festival.

Included in the plans were Concession and Restroom Facilities, a Walking / Fitness trail, Fishing Access, and Picnic Shelters. The informational kiosk tells the history of the site as well as the surrounding community.

Triad provided complete site survey services. A subsurface geotechnical investigation was accomplished.

Triad performed a detailed hydraulic analysis of the South Fork of the Potomac River in the project area to determine the base flood elevation and the project's hydraulic impacts.

Quality control testing and inspection were provided during the construction phase of the park.

Civil Design consisted of all site grading, drainage, and layout features. Preparation of permit applications included WVDOH encroachment permitting and WVDEP construction stormwater permitting. Additionally, construction administration was provided.





Corridor H Project
Various Counties, West Virginia

OWNER/CLIENT: West Virginia Department of Transportation, Division of Highways (WVDOH)
CONTACT: Greg Bailey, PE, 304.558.9722
PROJECT TYPE: Environmental Management
SERVICES: NEPA Re-Evaluation; Section 404/401 Permit Modifications; Ecological Assessments; Cultural Resource Evaluations; Resource Mitigation and Monitoring

WVDOH has secured the services of Skelly and Loy to assist with a wide range of tasks for the Corridor H Project. Corridor H is a four-lane expressway stretching 130 miles from Weston to the Virginia State Line. Although much of the highway is open or currently under construction, a considerable amount of the proposed roadway is still under design or undergoing environmental evaluation. A full range of environmental services is necessary to comply with mitigation commitments, permitting requirements, field surveys, design and postconstruction activities.



Skelly and Loy are actively facilitating and fulfilling post-construction monitoring requirements, as well as actively conducting resource evaluations on project segments yet to be constructed. To date, we have worked in seven of the nine different project areas, each with independent functional utility and logical termini.

Skelly and Loy have completed an array of ecological surveys to assess habitat suitability and/or identify the presence/absence of a variety of state and federal species of special concern; inventory and assess wetland and stream resources (including preparation of stream and wetland valuation metric forms); monitor the success of vegetative reclamation efforts, and determine resource-specific mitigation site suitability. In addition, Skelly and Loy have also completed investigative groundwater surveys, noise analyses, and archaeological and historical resource surveys on several individual project segments.

Major elements of our work include individual species surveys, assisting in the preparation of Habitat Conservation Plans and Biological Assessments under Section 07 of the Endangered Species Act; aquatic resource assessments; resource mitigation siting/plan development; and post-construction monitoring. Annually, we have monitored the viability and progression of vegetative reclamation sites and wetland mitigation cells with respect to success in supporting wildlife habitat and addressing past impacts to historic landscapes. We have also developed stream restoration and enhancement plans to mitigate impacts incurred within the National Forest System.

Skelly and Loy have also assisted WVDOH with public involvement activities and resource agency coordination, specifically with representatives from the U.S. Forest Service, WV Department of Environmental Protection, WV Department of Natural Resources, WV State Historic Preservation Office, and the U.S. Army Corps of Engineers.



EXPRESSION OF INTEREST

State of West Virginia

A&E – West Fork River 12 New Boating Public Access Sites

V. LICENSES

EXPRESSION OF INTEREST

State of West Virginia

A&E – West Fork River 12 New Boating Public Access Sites

WBCM LICENSES

CERTIFICATE OF *Authorization*

STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS

*The West Virginia State Board of Registration for Professional Engineers
having verified the person in responsible charge is registered in
West Virginia as a professional engineer for the noted firm, hereby certifies*

*has complied with section §30-13-17 of the West Virginia Code governing
the issuance of a Certificate of Authorization. The Board hereby notifies you of its
certification with issuance of this Certification of Authorization for the period of:*

providing for the practice of engineering services in the State of West Virginia.

IF YOU ARE REQUIRED TO REGISTER WITH THE SECRETARY OF STATE'S OFFICE,
PLEASE SUBMIT THIS CERTIFICATE WITH YOUR APPLICATION.



IN TESTIMONY WHEREOF, THE WEST VIRGINIA STATE BOARD OF
REGISTRATION FOR PROFESSIONAL ENGINEERS HAS ISSUED THIS COA
UNDER ITS SEAL, AND SIGNED BY THE PRESIDENT OF SAID BOARD.

Scott E. Thomas Jr.

BOARD PRESIDENT

CERTIFICATE OF *Authorization*

STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS

*The West Virginia State Board of Registration for Professional Engineers
having verified the person in responsible charge is registered in
West Virginia as a professional engineer for the noted firm, hereby certifies*

WHITNEY, BAILEY, COX & MAGNANI, LLC
C00553-00

Engineer in Responsible Charge: MARCO T. LEGALUPPI - WV PE 014455

*has complied with section §30-13-17 of the West Virginia Code governing
the issuance of a Certificate of Authorization. The Board hereby notifies you of its
certification with issuance of this Certification of Authorization for the period of:*

January 1, 2020 - December 31, 2021

providing for the practice of engineering services in the State of West Virginia.

IF YOU ARE REQUIRED TO REGISTER WITH THE SECRETARY OF STATE'S OFFICE,
PLEASE SUBMIT THIS CERTIFICATE WITH YOUR APPLICATION.

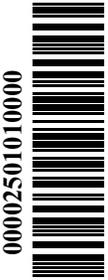


IN TESTIMONY WHEREOF, THE WEST VIRGINIA STATE BOARD OF
REGISTRATION FOR PROFESSIONAL ENGINEERS HAS ISSUED THIS COA
UNDER ITS SEAL AND SIGNED BY THE PRESIDENT OF SAID BOARD.

BOARD PRESIDENT



STATE OF WEST VIRGINIA
State Tax Department, Taxpayer Services Division
P.O. Box 885
Charleston, WV 25323-0885



Matthew R. Irby, State Tax Commissioner

WHITNEY BAILEY COX & MAGNANI LLC
849 FAIRMOUNT AVE STE 100
BALTIMORE MD 21286-2600

Letter Id: L0843832864
Issued: 12/07/2021

West Virginia State Tax Department

Statement of Good Standing

EFFECTIVE DATE: December 7, 2021

A review of tax accounts indicates that WHITNEY BAILEY COX & MAGNANI LLC is in good standing as of the effective date of this document. Please note, this Statement of Good Standing expires on **March 7, 2022**.

The issuance of this Statement of Good Standing shall not bar any audits, investigations, assessments, refund or credits with respect to the taxpayer named above and is based only on a review of the tax returns and not on a physical audit of records.

Sincerely,

Nicole Grant, Tax Unit Supervisor
Taxpayer Services Division

Your **ACTIVE PE** renewal fee has been received...

Your ACTIVE PE renewal fee has been received. Your pocket card indicating you are entitled to practice engineering in West Virginia until the noted expiration date may be detached and used unless invalidated as a result of Board audit of your renewal form or formal disciplinary action.

IMPORTANT REMINDERS:

1. Please include your WV ACTIVE PE license number on any correspondence to this office.
2. To use this license as a pocket card, please cut along the dotted line and laminate if desired.
3. You are required to immediately notify the Board, in writing, of the following: loss or theft of license or seal, any name change, any address change, or any employment change.

West Virginia State Board of Registration for Professional Engineers

300 Capitol Street, Suite 910
Charleston, West Virginia 25301
304-558-3554 Phone
800-324-6170 Toll Free
www.wvpebd.org

THIS IS ONE FORM OF YOUR RENEWAL RECEIPT

PLEASE SAVE THIS FOR YOUR RECORDS

Date of Renewal: December 21, 2020
Amount Paid: \$70.00

West Virginia State Board of Registration
for Professional Engineers

JOHN P. PERKUN
WV PE [REDACTED]

This is to certify that the above named PROFESSIONAL ENGINEER has met the requirements of the law, is duly registered and is entitled to practice engineering in the State of West Virginia.

EXPIRES December 31, 2022



JOHN P. PERKUN
[REDACTED]

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PLEASE SAVE THIS FOR YOUR RECORDS

Date of Renewal: December 8, 2020
Amount Paid: \$70.00



 West Virginia State Board of Registration
for Professional Engineers

BLAINE W. LINKOUS
WV PE 

This is to certify that the above named PROFESSIONAL ENGINEER has met the requirements of the law, is duly registered and is entitled to practice engineering in the State of West Virginia.

EXPIRES December 31, 2022



BLAINE W. LINKOUS
WHITNEY, BAILEY, COX & MAGNANI, LLC
300 E. JOPPA ROAD
STE 200
BALTIMORE, MD 21286

Your **ACTIVE PE** renewal fee has been received...

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THIS IS ONE FORM OF YOUR RENEWAL RECEIPT

PLEASE SAVE THIS FOR YOUR RECORDS

Date of Renewal: December 1, 2020
Amount Paid: \$70.00



 West Virginia State Board of Registration
for Professional Engineers

JESSE MICHAEL LINDSAY
WV PE [REDACTED]

This is to certify that the above named PROFESSIONAL ENGINEER has met the requirements of the law, is duly registered and is entitled to practice engineering in the State of West Virginia.

EXPIRES December 31, 2022

JESSE MICHAEL LINDSAY
[REDACTED]

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PLEASE SAVE THIS FOR YOUR RECORDS

Date of Renewal: December 8, 2020
Amount Paid: \$70.00

West Virginia State Board of Registration
for Professional Engineers

KEVIN S. WILMOT
WV PE [REDACTED]

This is to certify that the above named PROFESSIONAL ENGINEER has met the requirements of the law, is duly registered and is entitled to practice engineering in the State of West Virginia.

EXPIRES December 31, 2022



KEVIN S. WILMOT
[REDACTED]

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PLEASE SAVE THIS FOR YOUR RECORDS

Date of Renewal: December 7, 2020
Amount Paid: \$70.00



MICHAEL DAVID WUERTHELE
[REDACTED]

Full Name: Randall William Hughes
first middle last

EDUCATION (Attach additional sheets if necessary.)

Name of High School: _____ Year Graduated: _____

College or University (In chronological order.)

	name and location	major	dates attended	degree
1.				
2.				
3.				
4.				

LICENSURE INFORMATION (See instructions.)

Jurisdiction of Initial Registration: New York License No: ██████ Date Issued: 12 / 02 / 2004

Registration was by: Examination Exemption Other (describe): _____

UNE LARE STATE EXAMINATION OTHER: _____

REGISTRATION IN OTHER JURISDICTIONS

	state	license no.	date issued	expiration date
1.	Maryland	██████	07/07/2005	07/07/2023
2.	Pennsylvania	██████████	01/11/2008	05/31/2023
3.	Virginia	██████████	01/15/2008	01/31/2022
4.	North Carolina	██████	11/05/2014	09/30/2022

REFERENCES (See instructions.)

	name/daytime phone no.	address
1.	Om Khurjekar, 443-451-2354	700 E. Pratt St, Suite 1200, Baltimore, MD 21202
2.		
3.		
4.		

PROFESSIONAL ORGANIZATIONS

	name	type of membership
1.	CLARB	member, volunteer
2.	ASLA	full member
3.	APA - AICP	member
4.		

Full Name: Randall William Hughes
first middle last

DISCLOSURE

- No Yes Have you ever been convicted of a felony in any jurisdiction?
- No Yes Have you ever been subject to disciplinary action by any regulatory body?
- No Yes Have you ever had your license to practice landscape architecture suspended or revoked?
- No Yes Have you ever withdrawn an application for a license or had an application for license denied?

If you answered "Yes" to any of the above questions, please attach additional pages explaining the events in sufficient detail.

- Yes No Have you received and read a copy of Article 22, Chapter 30 of the West Virginia Code and the Legislative Rules and Regulations promulgated by the West Virginia State Board of Landscape Architects? (Please review law -- available online at <http://www.wvlaboard.org/Portals/WVLABoard/docs/Article_22.pdf>

Pursuant to West Virginia Code §48-15-303, each applicant for registration must answer the following questions and certify, under penalty of false swearing, that these answers are true and correct.

- No Yes Do you have a child support obligation?
- No Yes If yes, is it equal to or more than six months in arrears?
- No Yes Are you the subject of a child support related subpoena or warrant?

AFFIDAVIT

I Randall William Hughes, (printed name of the applicant) being duly sworn, depose and say that the statements together with accompanying sheets and all enclosed materials, are true and correct to the best of my knowledge and belief. I further understand that a false statement knowingly made by me may result in the refusal or subsequent suspension or revocation of any license issued pursuant to this application.

[Signature]
Signature of Applicant

Subscribed and sworn to before me this 9th day of December; 2021,

Notary Public in and for the County of Baltimore County,

State of Maryland.

[Signature]
Signature of Notary Public

My commission expires June 14, 2025



(SEAL)



WHITNEY BAILEY COX & MAGNANI, LLC
300 East Joppa Road, Suite 200 Baltimore, MD 21286 MAIN 410.512.4500

M&T Bank
Baltimore, MD 21201
7-11/520

CHECK DATE

December 9, 2021



PAY One Hundred and 00/100 Dollars

AMOUNT \$100.00

TO West Virginia State Board of Landscape Architects
179 Summers Street, Suite 715
Charleston, WV 25301

MP
AUTHORIZED SIGNATURE

WBCM

300 East Joppa Road, Suite 200 Baltimore, MD 21286 MAIN 410.512.4500

EMILY BUSINESS FORMS 800.392.6018 ADVANTAGE

Check Date: 12/9/2021

Invoice Number	Date	Voucher	Amount	Discounts	Previous Pay	Net Amount
CLARB 12258	12/9/2021	0194786	\$100.00			\$100.00
West Virginia State Board of Landscape		TOTAL	\$100.00			\$100.00
WBCM Checking - M&T	1	4815				

EXPRESSION OF INTEREST

State of West Virginia

A&E – West Fork River 12 New Boating Public Access Sites

TRIAD ENGINEERING, INC LICENSES

CERTIFICATE OF *Authorization*

STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS

*The West Virginia State Board of Registration for Professional Engineers
having verified the person in responsible charge is registered in
West Virginia as a professional engineer for the noted firm, hereby certifies*

*has complied with section §30-13-17 of the West Virginia Code governing
the issuance of a Certificate of Authorization. The Board hereby notifies you of its
certification with issuance of this Certification of Authorization for the period of:*

providing for the practice of engineering services in the State of West Virginia.

IF YOU ARE REQUIRED TO REGISTER WITH THE SECRETARY OF STATE'S OFFICE,
PLEASE SUBMIT THIS CERTIFICATE WITH YOUR APPLICATION.



IN TESTIMONY WHEREOF, THE WEST VIRGINIA STATE BOARD OF
REGISTRATION FOR PROFESSIONAL ENGINEERS HAS ISSUED THIS COA
UNDER ITS SEAL, AND SIGNED BY THE PRESIDENT OF SAID BOARD.

BOARD PRESIDENT

WEST VIRGINIA BOARD OF PROFESSIONAL SURVEYORS



Certificate of Authorization

Triad Engineering, Inc.

Scott Depot, WV



CERTIFICATE OF AUTHORIZATION # 21-5438

This certificate is issued by the West Virginia Board of Professional Surveyors in accordance with W.Va. Code §30-13A-20. The person or organization identified on this certificate is licensed to conduct professional surveying and mapping services in the State of West Virginia for the period

January 1, 2021 through December 31, 2021

This certificate is not transferrable and must be displayed at the office location for which issued.

In witness whereof, I have put my hand, this 31st day of December 2020

[Signature of Sefton R. Stewart]

2021

[Signature of James T. Rayburn]

Sefton R. Stewart, P.S., Chairman
Lantz G. Rankin, P.S., Member



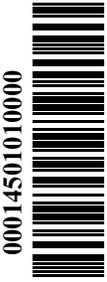
James T. Rayburn, P.S., Secretary
Gary Facemyer, P.E., P.S., Member

Douglas C. McElwee, Esq.

Public Member



STATE OF WEST VIRGINIA
 State Tax Department, Taxpayer Services Division
 P.O. Box 885
 Charleston, WV 25323-0885



Matthew R. Irby, State Tax Commissioner

TOM CHANDLER
 TRIAD ENGINEERING INC
 10541 TEAYS VALLEY RD
 SCOTT DEPOT WV 25560-7483

Letter Id: L0651320864
 Issued: 12/13/2021

West Virginia State Tax Department

Statement of Good Standing

EFFECTIVE DATE: December 13, 2021

A review of tax accounts indicates that TRIAD ENGINEERING INC is in good standing as of the effective date of this document. Please note, this Statement of Good Standing expires on **March 13, 2022**.

The issuance of this Statement of Good Standing shall not bar any audits, investigations, assessments, refund or credits with respect to the taxpayer named above and is based only on a review of the tax returns and not on a physical audit of records.

Sincerely,

Nicole Grant, Tax Unit Supervisor
 Taxpayer Services Division

Your **ACTIVE PE** renewal fee has been received...

Your ACTIVE PE renewal fee has been received. Your pocket card indicating you are entitled to practice engineering in West Virginia until the noted expiration date may be detached and used unless invalidated as a result of Board audit of your renewal form or formal disciplinary action.

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800-324-6170 Toll Free
www.wvpebd.org

THIS IS ONE FORM OF YOUR RENEWAL RECEIPT

PLEASE SAVE THIS FOR YOUR RECORDS

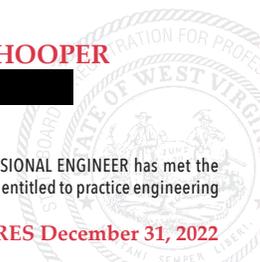
Date of Renewal: December 17, 2020
Amount Paid: \$70.00

West Virginia State Board of Registration
for Professional Engineers

DAVID W. HOOPER
WV PE [REDACTED]

This is to certify that the above named PROFESSIONAL ENGINEER has met the requirements of the law, is duly registered and is entitled to practice engineering in the State of West Virginia.

EXPIRES December 31, 2022



DAVID W. HOOPER
[REDACTED]

2022 WEST VIRGINIA PROFESSIONAL SURVEYOR 2022

The West Virginia Board of Professional Surveyors certifies that the individual listed below is a PROFESSIONAL SURVEYOR who has qualified for a license under Chapter 30, Article 13A, Code of West Virginia, and has met the requirements for license renewal for the period ending June 30, 2022



KEVIN M. BROCKETT P.S. [REDACTED]



Board Members

Sefton Stewart, PS, Chairman

Tom Rayburn, PS, Secretary

Gary Facemyer, PE, PS

Lantz Rankin, PS

Douglas McElwee, Esq.

Issued
07/01/2021



Expires
06/30/2022

Executive Director
Amber Shawver Legg

2022

State of West Virginia
Board of Professional Surveyors



KEVIN M. BROCKETT P.S.LIC. [REDACTED]

Is a PROFESSIONAL SURVEYOR who has qualified for a license under Chapter 30, Article 13A, Code of West Virginia, and has met the requirements for license renewal for the period ending June 30, 2022

Expires:
06/30/2022

State of West Virginia
Board of Professional Surveyors
1124 Smith Street, Suite B127C
Charleston, WV 25301

Phone (304) 558-0350
Fax (304) 558-0352

Website: www.wvbps.wv.gov
Email: wvbps@wv.gov

Your **ACTIVE PE** renewal fee has been received...

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West Virginia State Board of Registration for Professional Engineers

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Charleston, West Virginia 25301
304-558-3554 Phone
800-324-6170 Toll Free
www.wvpebd.org

THIS IS ONE FORM OF YOUR RENEWAL RECEIPT

PLEASE SAVE THIS FOR YOUR RECORDS

Date of Renewal: December 4, 2020
Amount Paid: \$70.00



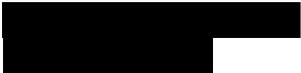
 West Virginia State Board of Registration
for Professional Engineers

BENJAMIN G. CAMPBELL
WV PE 

This is to certify that the above named PROFESSIONAL ENGINEER has met the requirements of the law, is duly registered and is entitled to practice engineering in the State of West Virginia.

EXPIRES December 31, 2022



BENJAMIN G. CAMPBELL


EXPRESSION OF INTEREST

State of West Virginia

A&E – West Fork River 12 New Boating Public Access Sites

SKELLY & LOY LICENSES

CERTIFICATE OF *Authorization*

STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS

*The West Virginia State Board of Registration for Professional Engineers
having verified the person in responsible charge is registered in
West Virginia as a professional engineer for the noted firm, hereby certifies*

SKELLY & LOY, INC.

C00687-00

Engineer in Responsible Charge: GERALD W. LONGENECKER - WV PE 018491

*has complied with section §30-13-17 of the West Virginia Code governing
the issuance of a Certificate of Authorization. The Board hereby notifies you of its
certification with issuance of this Certification of Authorization for the period of:*

January 1, 2022 - December 31, 2023

providing for the practice of engineering services in the State of West Virginia.

IF YOU ARE REQUIRED TO REGISTER WITH THE SECRETARY OF STATE'S OFFICE,
PLEASE SUBMIT THIS CERTIFICATE WITH YOUR APPLICATION.



IN TESTIMONY WHEREOF, THE WEST VIRGINIA STATE BOARD OF
REGISTRATION FOR PROFESSIONAL ENGINEERS HAS ISSUED THIS COA
UNDER ITS SEAL AND SIGNED BY THE PRESIDENT OF SAID BOARD.

Scott E. Thomas Jr.

BOARD PRESIDENT

West Virginia Secretary of State

Search Results

Name	Type	City	Status	Details
SKELLY AND LOY, INC.	Corporation	HARRISBURG	Active	Details

Total Results: 1 Result

1

[Search Again](#)

EXPRESSION OF INTEREST

State of West Virginia

A&E – West Fork River 12 New Boating Public Access Sites

VI. FORMS

STATE OF WEST VIRGINIA
Purchasing Division

PURCHASING AFFIDAVIT

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

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

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

DEFINITIONS:

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

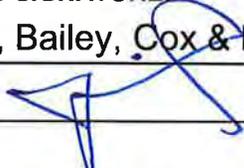
"Employer default" means having an outstanding balance or liability to the old fund or to the uninsured employers' fund or being in policy default, as defined in W. Va. Code § 23-2c-2, failure to maintain mandatory workers' compensation coverage, or failure to fully meet its obligations as a workers'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

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

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

WITNESS THE FOLLOWING SIGNATURE:

Vendor's Name: Whitney, Bailey, Cox & Magnani, LLC

Authorized Signature:  Date: December 13, 2021

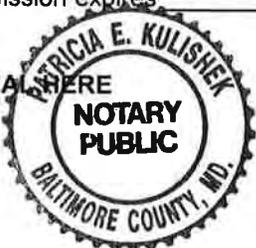
State of Maryland

County of Baltimore, to-wit:

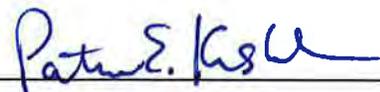
Taken, subscribed, and sworn to before me this 13 day of December, 2021.

My Commission expires November 20, 2023.

AFFIX SEAL HERE



NOTARY PUBLIC



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

Joseph O'Neil, PE, Executive Vice President

(Name, Title)

Joseph O'Neil, PE, Executive Vice President

(Printed Name and Title)

One Sterling Place, 100 Sterling Parkway, Suite 108; Mechanisburg, PA 17050

(Address)

717-691-2522

717-691-4749

(Phone Number) / (Fax Number)

joneil@wbcm.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.

By signing below, I further certify that I understand this Contract is subject to the provisions of West Virginia Code § 5A-3-62, which automatically voids certain contract clauses that violate State law.

Whitney, Bailey, Cox & Magnani, LLC

(Company)

(Authorized Signature) (Representative Name, Title)

Joseph O'Neil, PE, Executive Vice President

(Printed Name and Title of Authorized Representative)

12-13-2021

(Date)

717-691-2522

717-691-4749

(Phone Number) (Fax Number)



600 Bursca Drive | Suite 609 |
Pittsburgh, PA 15017

wbcm.com