November 29, 2022 / DNR2300000002

STATEMENT OF QUALIFICATIONS

for Architectural/Engineering Design Services

DISTRICT Greenfrier
Office/Storage

McDowell

for the WVDNR

E.T. BOGGESS ARCHITECT, INC.

CMTA ENGINEERING

ELR ENGINEERING





Mr. Josh Hager, Buyer Department of Administration Purchasing Division 2019 Washington Street East Charleston, WV 25305-0130

November 29, 2022

RE: WVDNR District 4 Office and Storage Building / DNR2300000002

Dear Mr. Hager:

In response to your qualifications request for the professional Architectural and Engineering Design services for the WVDNR District 4 Office and Storage Building, the E.T. Boggess Architect, Inc. team is pleased to submit information regarding our experience. Our team will work with the State of WV, WVDNR, and representatives from District 4 to ensure that everyone's vision for each project is achieved.

I will be your architect and will be the person-in-charge for all aspects of the project. Our team is very familiar with your needs and will bring the best knowledge and experience to the design process. We understand and appreciate the challenges that state agencies face and believe we offer the service, knowledge and experience you will need to successfully accomplish this project.

ETB emphasizes a client-centered design approach, incorporating mutually defined project objectives. Through this focus, we can assure the State of West Virginia and the WVDNR that project needs and issues will be clearly identified and addressed through an engaged, interactive programming, design, and construction process. Our design process will be conducted with an attention to detail, creative problem solving and with a passion towards project success.

We value this opportunity to serve you and look forward to personally presenting our credentials.

Sincerely,

road Boggess, AIA, NCARB, Architect

President/CEO

Cover Letter

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Qualifications - 1

INTRODUCTION

E. T. Boggess Architect, Inc. was established in Princeton, West Virginia, by Ted Boggess in 1966. ETB has been a successful architectural firm primarily because of a **team approach** and partnership-type attitude with all involved in the design and construction process. Having grown up in the practice and with a life-long love of architecture, Todd became a full-time presence with the firm in 1988 after receiving a Masters in Architecture from Clemson University. Their unique relationship as father/son/mentor/apprentice and, ultimately, partners was both exciting and rewarding and ETB continues to flourish and evolve under Todd's direction.



ETB strives to deliver the highest level of project management, service, and design. Our approach is client and site specific, and questions conventional assumptions. The greatest testament to the success of ETB's work goes beyond the organizational, operation and business stewardship we provide; it is in our enduring client relationships. We feel that it is important to maintain close client contact so we can respond to your needs and questions, as well as address any situations that may arise in a timely manner. The depth of our personnel is such that we can assign individuals to the appropriate task during each phase to ensure all your project's needs are satisfied.

TEAMWORK

Our projects and design services are dependent on both our abilities as architects and our commitment to perform and implement a set of standards in order to create a design that responds to the needs of our client. In house, ETB actually functions as a team of consultants with individual strengths and abilities emphasized by each employee's role within the team. Our talented staff is ready to accommodate the needs of your project and ensure the successful completion of our current workload. The depth of our personnel is such that we can assign individuals to the appropriate task during each phase to ensure all your project's needs are satisfied. ETB has in-house expertise in code research, construction investigation and detailing, design and digital graphics, and project documentation.



A component of our management approach is the development of an individual strategy for each project, focused on the specific problems to be solved. This strategy considers the staff members assigned to the project, the scheduling and duration of work phases, the use of special consultants or specialized studies. We have analyzed our team's requirements carefully and are confident that our manpower and skill level will remain more than adequate, even in the early, labor-intensive phases.

Beyond our reputation for innovative and creative design, ETB is recognized for its commitment to collaborative relationships. We believe that the "collective intelligence" acquired through close collaboration with our consultants, including a thorough understanding of the project's objectives, is essential to our successful execution of the work. Supported by our rigorous attention to detail, comprehensive professional services and efficient project management and delivery, we believe that our creative and technical contributions will be enhanced by the addition of the following consultants:

CMTA was founded in 1968 and is a top 50 MEP consulting engineering firm. The firm has over 200 employees in its Louisville, Lexington, Cincinnati, Houston (Texas), DC and southern Indiana offices. The firm is known nationwide for its expertise in sustainable, high-performance design and specializes in energy efficient design that is cost efficient for "first cost" as well as cost efficient for long-term operating costs. To date, CMTA has engineered 141 buildings that have been awarded the ENERGY STAR designation. This includes eight buildings that earned a perfect ENERGY STAR score of 100.

Like ETB, CMTA focuses on a holistic approach to design that includes the whole building, not just systems into a design. They actually track energy usage of their projects and confirm untested, unproven approaches to system design and better yet, performance. This has confirmed efficiencies beyond a calculation or a computer program. Their success in building design is realized with a very efficient building envelop that utilizes insulated concrete forms (ICF). We believe including CMTA will help our team better address any and all MEP issues.

CMTA has been working on school and governmental projects in WV for several years and recently opened an office in Lewisburg.

E.L. Robinson is a multi-disciplined engineering and planning firm with ten offices throughout West Virginia (including Beckley), Ohio, Kentucky and North Carolina. Over the last 40 years, ELR has grown due to their commitment to complete customer service, unwavering quality and innovative solutions. ELR prides itself on overcoming obstacles, adapting to changing times, and working with various entities to handle the most complex development projects. Their areas of expertise include community and public facilities, business parks, recreational areas, planned unit and community development. Randall Lewis will be coordinating activities and services of ELR while Eric Coberly will serve as the project manager, directing the civil engineering scope, production and oversight.



Throughout our state, we have developed relationships with government agencies, contractors and material suppliers which will be valuable as we address the challenges associated with this project. We have worked with many code officials, including the state fire marshal, and consider them an extension of our team, another member who is concerned about the final design. We review our designs with the Office of the State Fire Marshal in Charleston at regular intervals during the design process, as well as onsite inspections during construction.

WORKLOADS

A component of our management approach is the development of an individual strategy for each project, focused on the specific problems to be solved. This strategy considers the staff members assigned to the project, the scheduling and duration of work phases, the use of special consultants or specialized studies. Our Project Management Plan (PMP) will document key management and oversight tasks and is updated throughout the project as changes occur. The plan will include a definition of your program goals, technical requirements, schedules, resources, budgets, and management programs. Once we gain a better understanding of your scheduling targets, we will be able to determine exactly what resources we will need to dedicate to the project. Regardless of the schedule, we are confident that our manpower and skill level will remain more than adequate, even in the early, labor-intensive phases. Our projected workloads and the depth of personnel available are such that staffing projects of this size and complexity will have no adverse impact on any current or future projects in our office.

EXPERIENCE

ETB has a great deal of experience with government facilities, both new and renovations. Due to today's economic climate, every new project in every community is designed with fiscal prudence. Building Committees strive to build what an organization really needs to operate safely and securely, at the best value available. The design process helps ensure a cost-effective solution. Space Planning is based on current and future needs consistent with operational and performance goals established by the user. Design layouts are models of efficiency. Materials and building systems are chosen for their cost effectiveness over the 50-100 year life of the building. These principles guide our new and renovation design services as we strive to help organizations, agencies and small governments ensure their citizens receive maximum benefit from their tax dollars.

Our clients over the past five years have included governmental, educational, health, commercial and private developments. Specific governmental clients include:

- State of West Virginia DOH
- WV Army National Guard
- State Fair of WV, Inc.
- City of Princeton
- City of Bluefield
- Monroe County Commission



- Mason County Commission
- Wetzel County Commission
- Mercer County Development Authority
- Greenbrier Valley Economic Development Council
- Wyoming County Economic Development Authority
- Pendleton County Economic and Community Development Authority
- Raleigh County Board of Education

The specific questions from the EOI, Section 3.1, along with our responses are listed below:

a. The successful firm or team should demonstrate a clear procedure for communication with the owner during all phases of the project.

Communication, collaboration, and consensus are the three elements we feel are essential to the planning, design and building process. Our goal is to develop a "partnership" with our clients – a relationship that includes a long-term commitment, trust, and shared vision. ETB also believes architectural design should be an interactive process. We work closely with you to identify and define all your project goals, objectives, functions, responsibilities, and relationships. This interactive approach enables us to develop facilities that meet your requirements, as well as being aesthetically distinctive. Design cannot be mass produced or provided in a "cookie cutter" fashion, it must be developed from scratch with the unique attributes of each individual project in mind. Our approach is not only about our ideas . . . it is about you and your ideas.

Maintaining open lines of communication throughout the design process is achieved by conference/zoom calls, in-person meeting, emails and good old-fashioned phone calls. Contact information will be provided to your representative for our entire team, however, Todd's info is listed below:

Todd Boggess todd@etbarchitects.com

Office: 304-425-4491 Cell: 304-920-6778

b. The successful firm or team should demonstrate a history of projects that meet the owner's budget and a clear plan to ensure this project can be constructed within the project budget. This plan should be described in detail.

We believe that our standard approach allows us to better address your specific project. We **look** at what you have (evaluation), **listen** to what you need (interactive programming), and then provide **designs** that address your specific needs. The integrated design process, which we have always implemented, seeks input from the owner(s), the employees who will be working in the building and the maintenance personnel who will be maintaining the facility.



The success of many of our projects is a direct result of the information and ideas discussed during the initial planning and programming meetings. Some of the information discussed includes the owner's budget and the anticipated schedule.

The first step in adherence to the budget is the development of a "realistic" budget. Unfortunately, that has been almost impossible in recent years. No one could have predicted the overall inflation rate and the targeted rise in construction material costs that we have experience over the past two years. This has caused several of our projects to be placed on hold after the bids were opened. Prior to 2020, ETB had very few projects that were not awarded immediately after the original bid process was completed. A few of those bids were adjusted with value engineering in order to satisfy the budget.

In order to help you establish a realistic budget, we seek to provide fully vetted alternatives which enable you to make informed choices about the project, including systems and materials but be used. We search for simple and effective solutions which support the different services that will be provided by the DNR. We also believe that the evaluation of cost must extend beyond the costs of construction, and consider the costs of operations, human resources, energy and sustainability.

c. The successful firm or team should demonstrate a history of projects that have been constructed in the time allotted in the contract documents and a clear plan to ensure this project will be constructed within the agreed construction period. This plan should be described in detail.

ETB understands the importance of ensuring that all schedules and budgets are met. Our strength is in the delivery of appropriate and analytical solutions for complex buildings in strict conformance with budget and time constraints. The process begins with the development of the project schedule with input from each stakeholder engaged in the process. Completing projects on time requires effective schedule management and a commitment of the entire project team.

One of the most important steps in completing a project on-time is to have the general contractor submit an updated schedule on a frequent basis. ETB typically meets on-site with the GC twice a month and communicates with him between meetings. We also strive to reply to their requests for information as quickly as possible, as well as reviewing and returning their submittals/shop drawings promptly. ETB will inform your representative of any scheduling issues that we become aware of. Again, open lines of communication are the key to a successful project.



d. The successful firm or team should demonstrate competent and acceptable experience in all expected professional disciplines necessary for the design and completion of the project.

Our team includes architects and engineers, all registered in the State of West Virginia. Key personnel and the license numbers are as follows:

Todd Boggess	WV 2587	Architect
Paula Guffey	WV 014357	Engineer
Eric Coberly	WV 010619	Engineer

QUALITY MEASURES

The Integrated Design Process is our process of design in which the owners, users and the ETB team (architects and engineers) are all integral team members. This integrated process and the implementation of high-performance design requires both efficiency and innovation. In our role with this team as the design leader and project organizer, ETB will be responsible for coordinating and orchestrating the work of our inhouse architects with your representatives throughout the planning, programming, design, documentation, and administrative functions of the project.

Your project will be completed by emphasizing the following activities:

- Understanding goals. We develop a plan for identifying and prioritizing individual goals as a means for addressing the overall project.
- Brainstorming ideas. We investigate opportunities for greater service through value engineering, strategic partnering, or an alternative delivery method.
- Assuring timelines. We generate a management plan to fulfill deliverables and meet milestones on schedule.
- Maintaining client contact. We are accessible, convenient, and committed to success from the beginning through the design process, and after completion.
- Inviting performance feedback. We involve all team members and clients in project evaluation at closeout and determine how well time, cost, and design goals were met.



Quality Control - Quality control starts with matching expectations about quality standards and life cycle costs with budget and scope during planning and design reviews. This continues through construction delivery with a program of inspections, tests, and certifications that are typically handled through a third-party agency. Quality control should flow seamlessly from one phase to another. The "partnership" we develop during the project assists us in maintaining a high-level quality control standard with everyone working together in the project's best interest.

We strive to coordinate performance among the entire project team in order for a completed building program to fully satisfy your needs and expectations. The quality control plan we follow should help eliminate errors, reduce cost and improve overall building quality. ETB normally follows the plan as outlined below:

- Keep the lines of communication open and consistent between all team members
- · Share lessons learned from recent similar projects, include value engineering
- · In-house reviews to address issues with constructability and budget restraints
- Utilize past experiences related to construction administration
- Provide post construction administration services to be utilized on future projects

Quality Assurance - We feel quality assurance is the ability of an architect to provide the client with a set of documents that satisfies the client's needs and are as accurate as possible. ETB believes quality assurance is an ongoing process, not just a one-time occurrence. No project is perfect, however, we strive to achieve maximum client satisfaction. To that end, we have set the following goals for ourselves:

- Promote teamwork
- Quality management throughout entire project Website
- Prompt response to client's requests Availability
- Creation of quality construction documents Purpose Driven
- Error prevention, not error catching Standard Practices
- Personal pride in our work Motivation
- Education and Training in-house (staff mentoring) Continuing Education
- Go the extra mile whenever necessary Service Oriented



Approach & Scope of Services – 2

APPROACH

Our Planning/Programming approach to the new District 4 Office and Storage Building will begin with an examination of the program and a review of the facility that is currently serving as the district office building. Through careful and methodical planning, incorporating programmatic requirements established during the pre-design phase, the ETB team will develop conceptual design solutions. In order to successfully accomplish your objectives, we normally approach a project in the following manner:

- Establish/review goals and objectives
- Examine the existing facility and review areas that need improved, enlarged and/or relocated/redesigned – project understanding
- Work with the Owner on a Program of Spaces required for the new facility
- Suggest adjacencies that can improve workflow plan studies
- Identify best access, site circulation and parking for both citizens, employees, county vehicles – site studies
- Identify any Code issues to ensure compliance
- Estimate the timing, phasing and projected costs

The ETB team's integration of facility design and engineering expertise promotes a comprehensive design approach that encompasses consideration of the regional context, particular site exposures and vulnerabilities. The project team utilizes the operational and technological insights from experienced individuals to supplement our planning and design efforts ensuring the fullest understanding of the WVDNR's needs. This breadth of experience provides our team with an understanding of industry trends, emerging technologies, and new approaches for consideration in creation of innovative approaches that best meet the project goals. The ETB Team design process is based on a full analysis of project needs to formulate the most comprehensive design basis for development of the new office building.

DESIGN SCOPE OF SERVICES - NEW CONSTRUCTION

When designing a government office I building, we jointly review and promote a series of design criteria on an on-going basis throughout the planning, design and construction process. Development and incorporation of features protecting the facility and all critical building systems is achieved through careful balance of the design of prioritized systems with project budget.

If ETB is awarded the project, your new office building will be designed in steps or phases as outlined below. We will not begin work on the next phase of the project without your approval.



Schematic Design Phase

ETB and our consultants will work with the appropriate WVDNR representatives to design the new office and storage facility for District 4. The schematic design documents will establish the general scope and conceptual design of your project, and the scale and relationships of the building components. The main goal of this phase is to arrive at a clearly defined, feasible concept and to present it in a form that will result in your understanding and acceptance.

You will have the following items to review at the end of this phase:

- Conceptual Site Plan
- Preliminary Building Plan and space adjacency studies
- Perspective Sketches / Computer Images / Building Concept Computer
 Mass Model
- Preliminary Cost Projections (based on square footage)

Design Development Phase

Services in the design development phase strive to achieve the refinement and coordination necessary for a complete polished work of architecture. Here decisions made in schematic design are worked out at a more detailed level to minimize the possibility of major modifications being needed during the development of construction documents. Our design team arrives at a clear, coordinated description of all aspects of the design, including:

- Site Development
- Architectural
- Structural
- Mechanical
- Electrical
- Plumbing
- Fire Protection Systems

Final Design Phase / Construction Document Phase

Construction documentation is the bridge between building design and physical building form. A key element of documentation services, construction drawings provide the instructions for transforming the design solution into brick, mortar, landscapes, access, etc. The purpose of providing construction document drawings is to provide graphic documentation for bidding and execution of construction services.



Services/tasks include . . .

- Prepare construction drawings based on approved design development drawings.
- Coordinate and incorporate drawings from all team members.
- Prepare specifications to accompany drawings to establish a desired level of performance.
- Submit documents to building code officials.
- Prepare bid packages.

Bidding Phase

Construction procurement activities assist the client in obtaining competent construction services. Our team will prepare bid packages or request for proposals/qualifications, and we will support the selection, negotiation, and contract award processes. We will also schedule, coordinate and administer a pre-bid conference with the town representatives that will occur during the bid process.

Services/tasks include . . .

- Assist client in selection of project delivery method.
- Identify prospective bidders.
- Organize and participate in pre-bid conference.
- Distribute bidding documents.
- Address questions submitted by bidders.
- Bid opening involvement
- Review and evaluate competitive bids.
- Assist client in contractor interviews for obtaining negotiated proposals.
- Award contract for construction.

Construction Phase / Contract Administration Services

Contract administration services are important in order to ensure construction conforms to the design intent of the construction documents; to lessen project risks; and to identify and resolve construction problems early. We also strive to assist you in understanding the construction process. The architect, serving as a construction administrator, observes construction for conformity to construction drawings and specifications.



Services/tasks included . . .

- Establish lines of communication.
- Generate Standard AIA contract for construction between Owner/Contractor
- Respond to contractor's requests for information.
- Track changes in construction documents.
- Review contractor's requests for payment.
- Review shop drawings and product information.
- Prepare field reports and records.
- Supervise completion and closeout.
- Assist with any post-occupancy issues.



ETB Projects/Experience – 3

WV DOH DISTRICT ONE OFFICE BUILDING

Charleston, WV

PROJECT DETAILS

owner/district: WV DOH

> year: 2014

size: 27,791 sf

Districe One has completed the Office Building which was modified from the original design to include a connecting walk-way between the new structure and an existing building.

ETB provided the original complex design for District Ten, which included an office building, a maintenance building (now called equipment shop), a bridge/sign shop, and a lab building. The buildings have been modified over the years to satisfy the needs of the DOH and each specific site requirements. The following building types have been completed:

> District Six Office Building Maintenance Building Bridge & Sign Shop

> > D8 Equipment Shop

D9 Office Building



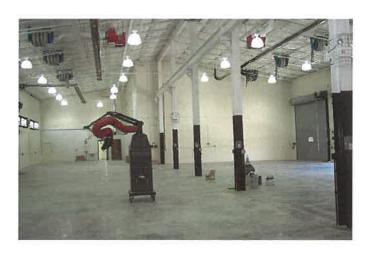


WV DOH DISTRICT SIX COMPLEX

Moundsville, WV







PROJECT DETAILS

owner/district: WV DOH

year: 2000 thru 2008

size: various

District Six has completed an Office Building, Maintenance Building and Bridge/Sign Shop. These three buildings were modified to accommodate the specific site and district.

ETB provided the original complex design for District Ten, which included these three buildings along with a Lab Building. The new buildings are being phased-in throughout the state, depending on the immediate needs of each district. The following projects have already been completed:

District One Office Building

District Seven Office Building District Seven Equipment Shop

District Eight Equipment Shop

District Nine Office Building





WV DOH DISTRICT SEVEN OFFICE BUILDING & EQUIPMENT SHOP

Weston, WV



Office Building



Equipment Shop



PROJECT DETAILS

owner/district: WV DOH

> year: 2018

> > size:

Office Building - 29,915 sf Equipment Shop - 22,996 sf

The District Seven Office Building and Equipment Shop were completed within weeks of each other. The office building is similar to the ones already located at Districts Six, Nine and Ten. The Equipment Shop, originally called the maintenance building, has also been built for Districts Ten and Six. Each building is modified as needed to better serve the needs of the district and in order to accomodate the specific site conditions.

ETB provided the original complex design for District Ten, which included an office building, maintenance building, bridge/sign shop, and a lab building. The new buildings are being phased-in throughout the state. At this time, the following projects have been completed:

District One Office Building

District Six Office Building Maintenance Building Bridge & Sign Shop

> District Eight Equipment Shop

> > District Nine Office Building



WV DOH DISTRICT EIGHT EQUIPMENT SHOP

Elkins, WV







PROJECT DETAILS

owner/district WV DOH year:

2015 size: 21,675 sf

These photos were taken shortly before District Eight Equipment Shop was completed. This building, originally called the maintenance building, has also been built for District Ten and Six. Each building is modified to better serve the needs of the district and in order to accomodate the specific site conditions.

The equipment shop includes office space, maintenance/garage bays, storage areas, and roll-up doors.

ETB provided the original complex design for District Ten, which included an office building, maintenance building, bridge/sign shop, and a lab building. The new buildings are being phased-in throughout the state. At this time, the following projects have been completed:

District One Office Building

District Six Office Building Maintenance Building Bridge & Sign Shop

> District Seven Office Building Equipment Shop

> > District Nine Office Building



WV DOH DISTRICT NINE OFFICE BUILDING

Lewisburg, WV

PROJECT DETAILS

owner/district: WV DOH

> year: 2011

size: various





District Nine has completed the Office Building. The site selected will be able to accommodate the additional buildings if plans are made to proceed with the entire complex.

ETB provided the original complex design for District Ten, which included an office building, a maintenance building (now called equipment shop), a bridge/sign shop, and a lab building. The buildings have been modified over the years to satisfy the needs of the DOH and each specific site. The following projects have already been completed:

District One Office Building

District Six Office Building Maintenance Building Bridge & Sign Shop

> District Seven Office Building Equipment Shop

> District Eight Equipment Shop





WV DOH DISTRICT TEN COMPLEX

Gardner, WV







PROJECT DETAILS

owner/district: WV DOH

> year: 1997

size: various

ETB provided the original complex design for District Ten, which included an office building, a maintenance building (now called equipment shop), a bridge/sign shop, and a lab building. The buildings have been modified over the years to satisfy the needs of the DOH and each specific site. The design brings together a variety of services and functions that were previously scattered throughout the district onto a single, campus-like setting. This lay-out has been very effective and is being repeated throughout the state,

As this time, the following projects have already been completed:

District One Office Building

District Six Office, Maintenance, Bridge/Sign

District Seven Office Building & Equipment Shop

District Eight Equipment Shop

> District Nine Office Building



PRINCETON RESCUE SQUAD MULTI-USE BUILDING

Princeton, WV

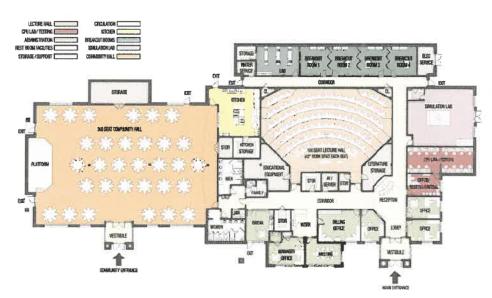
PROJECT DETAILS

owner/district: Princeton Rescue Squad

> year: 2019

size: 19,000 sf

ETB designed the new education and emergency shelter for the rescue squad in order to provide better training opportunities for their employees. The center can offer classes for the center can offer classes for emergency responders throughout the region, as well as provide for standard professional testing class-rooms. The community center will be available for a variety of gatherings and activities. The facility can also food a large purplet of other professional testing through the control of feed a large number of emergency responders should the need ever arise.







PRINCETON RESCUE SQUAD MULTI-USE BUILDING

Princeton, WV









WV ARMY NATIONAL GUARD READINESS CENTER

Elkins, WV





PROJECT DETAILS

owner/district:

WV Army National Guard

year: 2012

size:

50,000 sf

The Readiness Center has two main entrances; the front into the lobby and the rear into the assembly hall. The circular central core of the entrance leads to the administrative wing (east) and classroom wing (west). The facility contains a learning center library, storage areas, locker rooms, kitchen, break-room, and Telcon spaces. Areas within the lobby will be used for recruiting, family support and distance learning.

The project also included the design and construction of a separate structure for secure storage maintenance/ workshop/ office structure.





COMPUTER VISUALIZATION



WV ARMY NATIONAL GUARD READINESS CENTER

Elkins, WV













WV ARMY NATIONAL GUARD READINESS CENTER

Elkins, WV













WV ARMY NATIONAL GUARD MAINTENANCE SHOP

Elkins, WV



PROJECT DETAILS

owner/district: WV Army National Guard

> year: 2012

> > size:

Maint & Workshop 3,102 sf Organized Storage 2,560 sf

Along with the Readiness Center, ETB designed a separate structure to serve as a maintenance building/workshop. A secure, organized storage area was also designed in conjunction with the new maintenance building / workshop.



MAINTENANCE BUILDING



SWV HEALTH SYSTEM - MAN CLINIC

Man, WV



PROJECT DETAILS

owner/district: Lincoln Primary Care

year: 2020

size:

16,506 sf

ETB provided the renovation design for the Man Clinic including complete interior build-out to accommodate exam rooms, medicla office, pharmacy, lab radiology, training room, waiting area, storage, restrooms and kitchen. New HVAC, plumbing and electrical systems, along with new windows, doors, and system were











CREEKSIDE VILLAS AT SNOWSHOE

Snowshoe, WV



PROJECT DETAILS

owner/district: Creekside Owner's Association

> year: 2016

size: 36 units

ETB provided a new facade renovation concept design for an existing multi-building condo development at Creekside Villas. Individual owners were surveyed and presented with options related to preferences for exterior colors, entry elements and other possible improvements. Design concepts were coordinated with on-going facility repairs being conducted by the homeowners. Our goal was to remedy pre-existing conditions (issues) and damage caused by insufficient waterproofing. The "ski lodge" vernacular was the theme throughout the complex.





WETZEL 911 GARAGE / EMERGENCY SHELTER

New Martinsville, WV

PROJECT DETAILS

owner/district: Wetzel County 911

> year: 2021

size: 6,000 sf

ETB designed the new garage /emergency shelter for the Wetzel County 911. The facility will provide garage bays for emergency vehicles, meeting room, commercial kitchen/equipment, restrooms with showers and storage/supply rooms. If needed, the facility can provide meals and showers for people who have been evacuated.









ETB Resumes - 4

Todd Boggess, AIA, NCARB, Architect President/CEO

EDUCATION

- Master of Architecture,
 Clemson University School of Architecture
- International Studies, Clemson University Daniel Center for Urban Design & Building Studies, Genoa, Italy
- Bachelor of Arts Degree in Design, Clemson University School of Architecture



RESPONSIBILITIES

Todd joined ETB as a project architect and office manager in 1988 after graduating from Clemson University. In January, 2001, he assumed the office of President. Todd currently serves as President/CEO of the company and is responsible for all aspects, including

- business development
- architectural programming / planning
- architectural design and development
- project management and coordination
- client relations
- interior design / space planning
- architectural design graphics
- construction contract administration

Your project will receive his complete attention, from the interview and project meetings, through the construction process. As the president of the firm, you are putting your trust in him and he takes that commitment very seriously. He wants to make sure you are satisfied with our service, performance, and design.

COMMITTEES

Board of Directions for the Mercer County Convention & Visitors Bureau (since 2020)

West Virginia Board of Architects (since 2014) – Governor Tomblin recently appointed Todd to this board which is responsible for protecting the life, health and property of the people of the State of WV by ensuring that proper architecture practices are used in the state.

<u>Princeton Zoning Board of Appeals (since 2000)</u> – Todd has been asked to serve on this local committee for the past 15 years. He currently serves as vice-chair. The board is responsible for reviewing and ruling on appeals to the existing Princeton Zoning Laws.

Preservation Alliance of West Virginia (past board member)



PROJECTS

Todd understands the demands being placed on all state agencies as they strive to offer the necessary services to our citizens and their efforts to do so within limited budgets. While he has always incorporated energy efficiency into his designs, the focus on green technologies over the past decade and, more recently, concerns over the containment of pandemics, have all impacted the architectural and construction industries. Todd's designs for every governmental building, both new construction and renovations, must address requirements for the health, safety, and comfort for the citizens who will be visiting the facility, along with the employees who will be working from their new environment on a daily basis.

- WVDOH District 10 Headquarters Complex, Gardner
 Office Building
 Maintenance Building
 Bridge & Sign Shop
 Laboratory
- WVDOH District 6 Headquarters Complex, Moundsville Office Building Maintenance Building Bridge & Sign Shop
- WVDOH District 9 Office Building, Lewisburg
- WVDOH District 1 Office Building, Charleston
- WVDOH District 8 Equipment Shop, Elkins
- WVDOH District 7 Office Building & Equipment Shop, Weston
- Princeton Rescue Squad Multi-Use Building, Princeton
- Wetzel County 911 Garage/Shelter, New Martinsville
- WVARNG Readiness Center, Elkins
- WVARNG Joint Forces Headquarters (Renovation), Coonskin Park, Charleston
- Municipal Complex for the City of Princeton (adaptive re-use), including
 - Administrative
 - o Police
 - Fire
 - o Public services
 - o Recreation
- GSA Projects Federal Buildings
 - o Elizabeth Kee Federal Building (upgrades to third floor), Bluefield
 - o Robert C. Byrd Courthouse (space renovations), Charleston
- Monroe County Courthouse (Renovations), Union
- Monroe County WV Extension Office (Adaptive Re-use), Union



Stephen Mackey Design & Graphics / Code Research

EDUCATION

- Bachelor of Arts Degree in Design,
 Clemson University School of Architecture
- Master of Architecture,
 Clemson University School of Architecture



RESPONSIBILITIES

With over 30 years of experience in all phases of design and construction, Mr. Mackey brought strong design, management and leadership skills to the firm. His significant experience has enabled him to successfully oversee the design and construction of educational projects for ETB and other architectural firms. Specific project responsibilities include:

- code review and analysis
- educational planning and programming
- conceptual design
- design visualization
- project coordination
- construction specifications

PROJECTS

Mr. Mackey is responsible for the production of graphic imagery for many of our larger projects. In addition to his design responsibilities, Steve assists with code research, quality control and constructability reviews. Steve rejoined ETB in 2009 and has been focused on government/public projects since his return.

- WVARNG Readiness Center, Elkins
- Princeton Rescue Squad Multi-purpose Building, Princeton
- Wetzel County 911 Garage/Shelter, New Martinsville
- Monroe County Courthouse (Renovations), Union
- Municipal Complex for the City of Princeton (adaptive re-use), including
 - o Administrative
 - o Police
 - o Fire
 - Public services
 - Recreation



Tony Colosi, Jr.

Project Manager

/ Documentation

EDUCATION

- Master of Architecture (ABT), Virginia Tech School of Architecture
- Bachelor of Science Architectural Engineering & Civil Engineering, Bluefield State College



RESPONSIBILITIES

Mr. Colosi is a project manager with over 20 years of experience in both the field of architecture and as a general contractor. During this time, he has worked in construction, in the design/build industry, and at ETB several times. Tony's experience helps identify constructability issues through the analysis and coordination of consultant drawings. He is involved in all phases of design documentation and production and is eager to handle any task needed to ensure a smooth project flow from start to finish.

Specific project responsibilities include:

- construction documentation
- building construction system design/detailing
- project coordination
- equipment and materials review

EXPERIENCE

Tony has been involved in a number of ETB projects over the past twenty years:

- Princeton Rescue Squad Multi-purpose Building, Princeton
- Wetzel County 911 Garage/Shelter, New Martinsville
- Municipal Complex for the City of Princeton (Adaptive Re-use), Princeton, including
 - Administrative
 - o Police
 - o Fire
 - Public services
 - Recreation
- WVARNG Readiness Center, Elkins
- Monroe County WV Extension Office (Adaptive Re-use), Union



Nathan Turner, LEED G.A. Project Manager/ Construction Administration

EDUCATION

- Bachelor of Science, Engineering Architecture, Fairmont State University
- Master of Architecture (May, 2009)
 Boston Architectural College



RESPONSIBILITIES

Mr. Turner recently rejoined ETB and brought with him a wealth of experience in architectural design, as well as construction methods and practices. His previous experience at ETB involved a number of government and educational facilities. Nathan is LEED certification and will assist in our efforts to provide a "green" approach to as many projects as possible. He will be focusing primarily on construction contract administration activities.

Specific project responsibilities include:

- architectural programming
- construction documentation
- project management
- project coordination
- construction specifications
- construction administration

EXPERIENCE

- WVDOH District 7 Office Building & Equipment Shop, Weston
- Municipal Complex for the City of Princeton (adaptive re-use), including
 - Administrative
 - o Police
 - o Fire
- GSA Projects Federal Buildings
 - o Elizabeth Kee Federal Building (upgrades to third floor), Bluefield
 - o Robert C. Byrd Courthouse (space renovations), Charleston
- North Central Advanced Technology Center for the WVC&TCS and Allied Health, Fairmont
- Advantage Valley Advanced Technology Center for the WVC&TCS, South Charleston
- New River Community and Technical College Headquarters & Allied Health Building, Beckley



CMTA Engineering – 5



Cincinnati District 3 Police Headquarters Cincinnati, Ohio

CMTA Overview

CMTA is a multi-specialty firm that focuses on building systems engineering that ensures cost effective, energy efficient, high performance buildings. We are true partners who are vested in the long-term success of our buildings, which is measured by exceeding the expectations of building owners and managers, and maintaining the health and comfort of the occupants. In addition to engineering great building systems, at CMTA, we invent products, set national goals, and work to transform the market to improve results for everyone. We define our innovative approach to engineering as ... Building Science Leadership.

We are Data Driven, Results Proven. We have collected over 20 years of actual utility data on our projects that allows us to continually improve our approach. This database and our years of high performance design experience means we understand how to make these buildings a reality without extra first costs. No other firm possesses an energy performance database of this type.

Our consulting engineering expertise includes the following services:

- Mechanical Engineering
- Electrical Engineering
- Plumbing Engineering
- Fire Protection Engineering
- Zero Energy and Renewable
- Engineering

 Communications and Audio Visual
- Technology Infrastructure Design
- Security System Design
- Energy Modeling

- Lighting Design
- Geothermal Engineering
- Construction Administration
- Commissioning Services
- LEED Consulting
- WELL Building Consulting and Certification
- Energy Star Certification
- Sustainability Consulting
- Performance Contracting
- Building Energy Management

By the Numbers

- 700+ Employees
- 36 Offices Nationwide
- 186 PEs
- 10 RCDDs
- 5 Certified GeoExchange Designers
- 27 Certified Energy Managers
- 21 Commissioning Agents
- 120 LEED APs
- 24 WELL APs
- 2 AVIXA Certified Technology Specialists
- Licensed in 50 States, D.C. and Ontario, Canada





Paula Guffey PE

ROLE: Project Manager / Principal in Charge

Profile

Ms. Guffey is a Principal and Electrical Engineer at CMTA. She brings over 35 years of multi-disciplinary electrical and mechanical design experience, working on both new construction and renovation projects. She has significant experience in higher education, governmental, industrial, institutional, pharmaceutical, multi-family, commercial, hazardous, power generation and health care facilities.

She is knowledgeable with many specialized aspects of electrical design such as high voltage system distribution and low voltage internal and external communications design. Throughout her career, Ms. Guffey has gained extensive knowledge of renewable energy systems, energy efficient lighting, security lighting, IT infrastructure and general building electrical systems design.

Role

As Project Manager/Principal in Charge, Ms. Guffey will coordinate with the design team to meet the expectations of the project. She will be responsible for the design of electrical systems and the production of plans and specifications for the electrical systems to ensure the design developed by the team will be executed properly. She will ensure that energy efficient design principles are incorporated into the MEP systems.

Education

 Bachelor of Science, Electrical Engineering, West Virginia Institute of Technology- 1991

Registrations

- Licensed Professional Engineer (PE) - Virginia
(Maryland West

Years Experience: 36 Years with Firm: 11



Related Projects

KIPP DC Ferebee Hope Recreation Center Washignton, DC

- New Build
- Recreation Center & Office Space
- LEED Silver Targeted
- Principal in Charge

Greenbrier County Expo Center

Lewisburg, West Virginia

- New Flexible Expo/Convention Center
- Includes Office Space
- Principal in Charge

Charleston West Virginia Federal Building

Charleston, West Virginia

- MEP Assessments and Renovation
- Federal Office Space
- Principal in Charge

Annie E. Casey Foundation Headquarters Baltimore, Maryland

- Tenant Fit-out
- 70,000 SF Office Space
- Principal in Charge

US Department of Homeland Security, Customs and Border Protection

Ashburn, Virginia

- Renovation & Addition
- New Office Space
- Principal in Charge



Hamid Hashime PE

ROLE: Lead Electrical Engineer

Profile

Mr. Hashime is an Electrical Engineer at CMTA. He has over 10 years of experience in the consulting engineering field with both new construction and renovation projects.

His experience includes planning and designing power distribution, lighting, communications, fire alarm and security systems for educational, commercial and government facilities. Mr. Hashime's effective ability to coordinate electrical design with other disciplines and the client consistently supports the construction phase and the delivery of project goals. Conversant with NEC, NFPA, IECC, IBC, and ANSI standards, Mr. Hashime is a key team player with high integrity, technically competent and driven to produce high quality design. He has also supervised designers and CAD operators.

Role

As lead electrical engineer, Mr. Hashime is responsible for the design and assessment of the electrical systems. He is also responsible for the production of plans and specifications for the electrical systems to ensure the design developed by the team is executed properly.

Education

 Bachelor of Science, Electrical Engineering, University of Virginia- 2008

Registrations

Licensed Professional Engineer (PE) - Virginia

Years Experience: 14 Years with Firm: 14

Related Projects

KIPP DC Ferebee Hope Recreation Center

Washignton, DC

- New Build
- Recreation Center & Office Space
- LEED Silver Targeted
- Lead Electrical Engineer

McCormick Spice Headquarters

Hunt Valley, Maryland

- New Build
- 380,000 SF Office Space
- Zero Energy Targeted
- LEED Gold Targeted
- Lead Electrical Engineer

Annie E. Casey Foundation Headquarters

Baltimore, Maryland

- Tenant Fit-out
- 70,000 SF Office Space
- Lead Electrical Engineer

US Department of Homeland Security, Customs and Border Protection

Ashburn, Virginia

- Renovation & Addition
- New Office Space
- Lead Electrical Engineer

APT Mastercard Corporate Office

Arlington, Virginia

- Office Relocation
- New Office Space
- Lead Electrical Engineer





Greg Williams PE, LEED AP

ROLE: Lead Mechanical Engineer

Profile

Mr. Williams is a Mechanical Engineer at CMTA with over 10 years of experience in the consulting engineering field. He is responsible for managing, supervising and performing design of the engineering components of major architectural and engineering projects. He has been crucially involved in several of CMTA's innovative and award-winning combined heat and power plant projects. His expertise is in hydronic and energy saving mechanical systems.

Role

As the lead mechanical engineer Mr. Williams will be responsible for the design and specification of mechanical systems for this project. He will coordinate with the Design Team and Owner to meet the expectations of this project. He will be responsible for the production of plans and specifications for the mechanical systems to ensure the design developed by the team will be executed properly.

Education

Bachelor of Science, Mechanical Engineering, University of Virginia - 2005

Registrations

<u>Licensed Professional Engineer (PE)- Virginia</u>

Years Experience: 17 Years with Firm: 17

Related Projects

KIPP DC Ferebee Hope Recreation Center

Washignton, DC

- New Build
- Recreation Center & Office Space
- LEED Silver Targeted
- Lead Mechanical Engineer

Fort Belvoir

Alexandria, Virginia

- Renovations
- Ft. Belvoir Building 1259
- Ft. Belvoir Building 1188
- Ft. Belvoir Arms 2101C
- Lead Mechanical Engineer

Annie E. Casey Foundation Headquarters

Baltimore, Maryland

- Tenant Fit-out
- 70,000 SF Office Space
- Lead Mechanical Engineer

US Department of Homeland Security, Customs and Border Protection

Ashburn, Virginia

- Renovation & Addition
- New Office Space
- Lead Mechanical Engineer

Red Hat Tower

Raleigh, North Carolina

- Office Relocation
- 300,00 SF New Office Space
- Lead Mechanical Engineer



Local Government Expertise

CMTA has many years of experience designing highly resilient facilities to support mission critical operations for local, state and federal-level government agencies. We have successfully delivered many state judicial and federal courthouse projects, leveraging our understanding of unique operational requirements- such as complex security, technology, and communication systems- while remaining sensitive to often historical buildings.

We bring our energy efficient focus to design and work with our clients to improve their energy efficiency and reduce maintenance and operations costs. This has included the first Zero Energy police station in Cincinnati, the new District 3 Police Headquarters, as well as the Lubber Run Community Center, a challenging urban project to provide greener public space for residents.

Our expertise includes the following types of municipal facilities:

- Courthouses and Judicial Centers
- Community Resource Centers
- Emergency Operations Centers
- Fire Stations and Training Centers
- Government Office and Operations
- Libraries and Museums

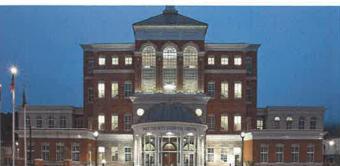
- Police Stations and Training Centers
- Parks and Recreation Facilities
- Public Transportation
- Public Safety Centers
- Regional Airports
- Town/City Halls



Historic Lexington Courthouse Lexington, Kentucky







Pike County Judicial Center Pikeville, Kentucky





Kentucky State Office - Sower 300 Building Frankfort, Kentucky

Kentucky State Office - Sower 300 Building

The Commonwealth of Kentucky approached CMTA in request to design and construct a five-story, 365,000 square foot state office building in Frankfort, Kentucky. Energy-saving strategies were provided throughout the entire state office building. These included an improved building envelope, 100% LED lighting, high-efficiency water cooled chillers, HVAC system commissioning services, and high efficiency condensing boilers. The building automation system was used to develop efficient control strategies to drive energy usage down even farther. This process can only be done by truly understanding the building occupancy and the intended use.

28

Performed EUI Traditionally, buildings with the four pipe VAV systems operate at 50 to 75 EUI. \$0.60

Energy Cost Index (ECI)



Project at a Glance

Size: 365,000 Square Feet Cost: \$55,000,000 Completed: 2016 Awards / Certifications: — LEED Silver

"The total team effort that went into the success of the 300 Building Project was both inspiring and gratifying. Not only did this project redefine the work environment for state agencies, but it set the standard and established the value of the P3 delivery method for the Commonwealth of Kentucky."

> Rick Ekhoff, AIA, LEED AP Design Partner, EOP Architects





Pike County Judicial Center Pikeville, Kentucky

Pike County Judicial Center

The new Pike County Judicial Center is a 90,000 square foot facility serving Pike County, Kentucky. By incorporating many energy efficiency savings, the building achieved LEED silver certification — the first of it's kind in Kentucky. The following features contributed to energy savings, which reduces operating costs for the life of the building:

- Low Emitting Materials Adhesives and Sealants, Paints and Coatings, Carpet systems, Composite Wood and Agrifiber
- Lighting and Thermal Comfort Occupancy Controls
- Building thermal comfort assessment
- Mechanical and Electrical Systems Commissioning
- Improved Indoor Air Quality Performance
- Reduced Heat island effect roof Roof SRI = 92, Minimized impact on microclimate and human and wildlife inhabitants
- Environmentally friendly vegetated (green) roof





Project at a Glance

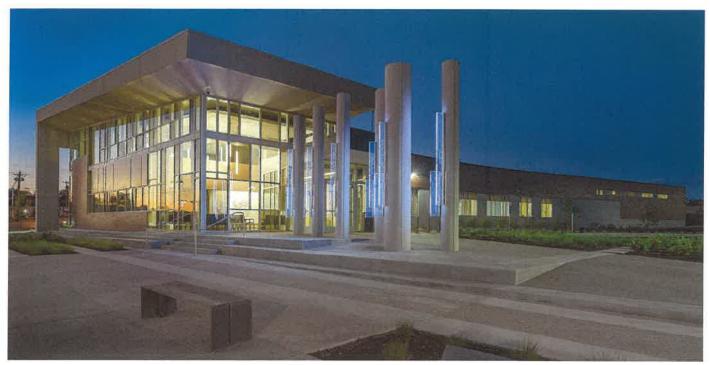
Size: 90,000 Square Feet Cost: \$20,000,000 Completed: 2013 Awards / Certifications:

- LEED Silver
- ENERGY STAR

21%

Optimized energy performance 21% Improvement compared to ASHRAE/IESNA Standard 90.1 – 2004





Cincinnati District 3 Police Headquarters Cincinnati, Ohio

Cincinnati District 3 Police Headquarters

The Nation's First Zero Energy Police Station

CMTA was proud to partner with the Cincinnati Police Department on their brand-new District 3 Police Headquarters. Through Data Driven Design and understanding the building's true purpose, we were able to deliver the nation's first Zero Energy mission critical facility. The solar power system is generating system 60% more energy than it is consuming! The actual energy consumption of the facility is 26.7 kBtu/sf-yr, which is 24% less than the charette energy goal.

In addition to being Zero Energy, the site storm water is Zero Water. The bio-swales and retention basins retain all storm water onsite to help minimize the city's current combined sewer problem.

Accomplishing the sustainability and Zero Energy goals within budget was a tribute to the entire team. Achieving this goal will now save the owner \$2,000,000 in avoided utility costs over the next 20 years.





Project at a Glance

Size: 39,600 Square Feet Cost: \$14,800,000 Completed: 2015 Awards / Certifications:

- ILFI Zero EnergyLEED Platinum
- LBC Petal Certification

26.7

Performed EUI

"Through our competitive bidding process, the City was able to select the lowest base bid, which included high performance design, with the added option to achieve Zero Energy within the project budget."

> Jamie Accurso Senior Architect, City of Cincinnati



Charlotte-Mecklenburg Northeast Community Resource Center Charlotte, North Carolina

Community Resource Center

The Northeast Community Resource Center, currently in the design phase, will be a new health and human services facility serving Mecklenburg County, North Carolina.

CMTA engineers provided the necessary Energy Modeling and Analysis through a combination of software and DOE database reference to develop real world data for this project. As part of this, CMTA lead the sustainability charrettes at each stage. Although not a LEED project, this facility will be designed to LEED checklist goals with an aggressive targeted EUI. The project team studied all features of the building envelope, including walls, windows and roof systems, as well as the building's orientation. Glazing selections were optimized to balance energy consumption with daylighting of the learning environments. All systems have been designed to drastically exceed code minimum and optimized.

Project at a Glance

Size: 112,500 Square Feet
Cost: \$39,500,000
Completed: 2023 est.
Awards / Certifications:

— Zero Energy Targeted

25-30

Predicted EUI







LexTran Headquarters Lexington, Kentucky

LexTran Headquarters

This design build project involves the design of a campus including an Administration Building, Maintenance Building and Fuel & Wash Building.

The HVAC System for the Administration Building consists of a variable refrigerant flow system with an energy recovery unit to provide fresh air to the building. The energy recovery unit captures all possible energy from the outgoing exhaust air to condition the outside air coming into the building. The Maintenance Building utilizes roof top units to heat the large bay areas and condition the small office area. The Fuel & Wash Buildings are provided with heaters to maintain above freezing conditions. Direct digital control system is provided for the campus to enable remote monitoring and manipulation of the building systems.

The electrical system will have two services for the LexTran campus; one feeding the Administration Building and the other serving the Maintenance Building. The lighting system for the campus will utilize energy efficient LED lighting. Occupancy sensors and daylight photo sensors will also be used in the Administration Building to help lower energy consumption. An automatic lighting shut-off control system will provide a time-of-day scheduling program with manual override for the entire campus.

Project at a Glance

Size: 22,600 Square Feet Cost: \$15,000,000 Completed: 2016 Awards / Certifications: — LEED Gold







Savannah International Convention Center Savannah, Georgia

Savannah International Convention Center

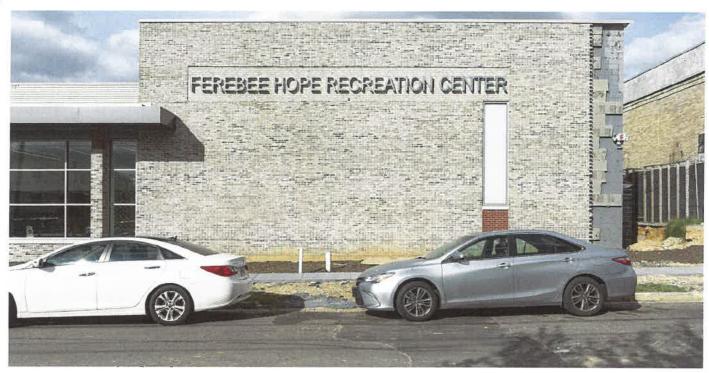
The Savannah International Trade and Convention Center is gearing up for a major expansion that would double the size of the 330,000 sq. ft. waterfront convention complex that currently features 100,000 sq. ft. of exhibit space and 50,000 sq. ft. of meeting space, including 13 meeting rooms, four executive board rooms, a 25,000 sq. ft. Grand Ballroom and 367-seat auditorium. The expansion would offer an additional 100,000 sq. ft. of expo space, a 42,000 sq. ft. ballroom, 14 new meeting rooms, service and support spaces as well as a public parking garage.

Project at a Glance

Size: 300,000 Square Feet Cost: \$240,000,000 Completed: 2023 est.







Ferebee Hope Recreation Center Washington, DC

Ferebee Hope Recreation Center

Washington, DC

KIPP DC will build a new recreation center at Ferebee Hope to be operated by the Department of Parks & Recreation (DPR). After Mayor Muriel Bowser awarded the Ferebee Hope site to KIPP DC and partners for a major redevelopment, KIPP DC and DC Parks and Recreation have selected CMTA to design and build a hub that promotes educational excellence, wellness, and lifelong learning, bringing new energy and opportunity in the heart of Ward 8, home to many of the community's students and families. The new recreational campus is slated to include a family pool, gymnasium, multipurpose area, boxing ring, computer lounge, locker and shower spaces, four partnering spaces to be used for leasing to local associated businesses, exterior baseball field, basketball court, community garden, and a green roof. As the project is underway the current DPR recreation center will stay open while the new recreation center is built. Goals for the Ferebee Hope Project include:

- Creating a human-centered design approach to Ferebee Hope Advisory Board
- Open Accessibility of the new recreation center as a district asset
- Improve security, visibility and lighting at the Ferebee Hope site
- Design recreation center programs that are responsive to local residents' needs
- Collaborate the recreational center's work and KIPP DC's work to ensure there is a maintenance plan for the center after completion
- Ensure that local and Ward 9 hiring is established as a project priority

CMTA has been specifically selected to design the MEP and fire protection engineering systems, as well as technology solutions throughout the project. CMTA will implement the firm's renown "First 30" design approach to set project performance goals and standards well before the design process kicks off. This allows the owner and project team to determine the most strategic approach and design plan to achieve optimal performance.

Project at a Glance

Size: 24,000 SF Cost: \$10,000,000 Completed: 2021 Awards / Certifications

LEED Silver Targeted

ELR Engineering -6

WHO WE ARE.

implementation. Over the past four a highly respected firm offering a diverse

employees and has grown to a highlydesign and surveying firm with more than

WE'VE GOT YOU COVERED.

ELR professionals fill 10 offices within an easy drive to most of the project locations. Staff are readily available for phone and email correspondence, video calls, and in-person meetings per current health guidelines.

WHAT WE ARE.

200+ employees





100% employee owned

licensed PEs





TOP 500 DESIGN **FIRMS** 2012

EL Robinson

TOP 500 DESIGN **FIRMS**

2019

EL Robinson Engineering Co

TOP 500 DESIGN **FIRMS**

2020

EL Robinson Engineering Co

TOP 500 DESIGN **FIRMS** 2021

EL Robinson Engineering Co.



Professional Qualifications

Mr. Eric Coberly, P.E., will serve as Project Manager. Mr. Coberly has over 37 years of experience in the field of engineering. He has managed an array of projects with ELR including site development, infrastructure planning, water, sewer, geotechnical analysis, abandoned mine reclamation projects, building construction, active surface mining projects, insurance investigations, post-mining land use plans, and parks and recreation improvements. He has spent his career bettering the State of West Virginia in both the private and public sectors.

Mr. Ed Robinson, P.E., P.S., will serve as Quality Control and Quality Assurance representative for the project team. Mr. Robinson has over 40 years' experience in the engineering and construction field, where he has served on numerous trade industry associations and boards within the design field, including the State Director and President of the West Virginia Society of Professional Engineers, and the President of the West Virginia Council of Consulting Engineers, among others.

Mr. Todd Schoolcraft will serve as Landscape Architect. Mr. Schoolcraft has over 25 years of experience in the fields of landscape architecture and land planning, with over 33 years of experience in the building and construction industry. Mr. Schoolcraft has extensive experience managing complex projects including commercial development, military installation design, land planning, public development, site planning and design, park and recreation design, trails and greenways, streetscape design and urban planning, and residential subdivision layout. Mr. Schoolcraft also retired from the WVANG with the rank of Major as a Combat Engineer.

Ms. Gracetyn Carper has a diverse portfolio of experience in the fields of landscape architecture and land planning, as well as freelance experience as a fledgling artist. Ms. Carper's major areas of specialty include color renderings and aerial oblique perspectives, proposal preparation, grant writing, land planning, computer aided drafting and design, and planting design.

Mr. Brandon Conley, PE, will provide engineering support. Mr. Conley has more than 8 years of experience in project conception, planning, design, computer modeling, preparation of plans and specifications, permitting, coordinating with other utilities, land acquisition, easements, bidding, preparing invoices, construction management, site inspections and updating client's board members for a variety of projects ranging from small extensions to complete system upgrades. Mr. Conley is currently providing periodic construction oversite for the infrastructure improvements associated with the Forks of Coal Site Preparation package.

Mr. Kenneth Kinder, P.E., has nearly 18 years of experience in many facets of civil engineering. Mr. Kinder began his career as a staff engineer where he became proficient in the designing of projects and project management assistance. He has worked on an array of projects including civil site design, erosion and sediment control, stormwater management, hydraulic modeling, floodplain permitting, wastewater treatment, water treatment and distribution, geotechnical solutions, surface and underground coal permitting, limestone quarry permitting and solid waste landfill design.

Mr. Randy Lackey, P.E., will serve as a project engineer who was intricately involved in the hydraulic design process of the Blennerhassett Island Bridge Project, which connects West Virginia to Ohio as well as span the Ohio River and Blennerhassett Island. Included in this project were the following: Preparation of flood plain analysis for existing, temporary, and various post construction conditions, scour analysis using FHWA approved publications, analyzing the affects that debris flow will have on the bridge as well as Blennerhassett Island, and studying the potential for lateral channel migration and understanding the affects the migration would have on the design on the bridge substructure.

Mr. Tom Rayburn, will be assigned Chief Surveying duties. The responsibilities include management of surveying and control for various design projects, including highways, buildings, and bridges. In addition, Mr. Rayburn manages and performs work consisting of courthouse research for property ownership resolution for the above mentioned project types.

Mr. Todd Garnes, will serve as a Project/CADD Manager. He has over 15 years of experience as a civil draftsman and designer. He is proficient in numerous drafting and mapping software platforms. His proficiency spans multiple areas such as Civil 3D, GIS, construction inspection, waterline planning and design, sanitary sewer planning and design, site development, cathodic protection planning, countywide planning, infrastructure cataloging, and document preparation.

Mr. Joey Jude, has over 14 years of experience as an engineering intern and civil designer. His experience includes the planning and design of water distribution systems, sanitary sewer systems, and site development, preparation of bid documents and specifications and construction inspection.

ELR PROJECT TEAM MEMBER

ERIC COBERLY, PE

Project Principal



EducationM.S. Engineering of Mines,
West Virginia University,
1990

B.S. Engineering of Mines, West Virginia University, 1983

Registrations Registered Professional Engineer in West Virginia, Ohio, and Maryland

Professional Experience

Mr. Coberly has more than 35 years of experience as an infrastructure and mining engineer. He has extensive experience in project planning, funding coordination and design. Mr. Coberly has managed projects with ELR which have involved site development, infrastructure planning, water, sewer, geotechnical analysis, abandoned mine reclamation projects, building construction, active surface mining projects, insurance investigations, providing expert witness services and various post mining land use projects.

Additionally, Mr. Coberly served as the Chief for the West Virginia Department of Environmental Protection Abandoned Mine Lands Division for more than 4 years. In this position he was he was responsible for managing and directing all operations. He has spent his career working to better the State of West Virginia in both the private and public sectors.

- Frank-Bartow Sanitary Sewer Extension
- Heaters-Weyerhaeuser Waterline Upgrade
- City of Bluefield Commercialization Center
- Greenfield Cabinetry Building Expansion
- Scott Findley Road Waterline Extension Project
- Exchange Road Phase I Waterline Extension
- Exchange Road Phase II Waterline Extension
- Putnam Business Park Utility Extension Phase II
- Kenova Downtown School Waterline Improvements
- Prichard Waterline Upgrade
- Route 18 South-Snowbird Road Waterline Extension Project
- Town of Clay Water Storage Tank Replacement
- Poca Belt Press
- Blue Knob Waterline Extension Project
- Harts Run Water Project
- Bergoo Wastewater Collection and Treatment System Project
- Cow Creek Waterline Extension Project
- WVDEP OSR Viking Preston Mining Project
- Over 100 West Virginia Department of Environmental Protection Abandoned Mine Lands reclamation projects

ED ROBINSON, PE, PS

Quality Advisor/Quality Control



Education

M.S. Civil Engineering, University of West Virginia Graduate Studies, 1981

B.S. Civil Engineering, West Virginia Institute of Technology, 1969

Registrations

Registered Professional Engineer in West Virginia, Ohio, Kentucky, Virginia and North Carolina

Registered Professional Surveyor in West Virginia

Professional Experience

In 1978, Mr. Robinson founded E.L. Robinson Engineering with only four employees. Under his leadership, ELR has grown exponentially to what it is today – a highly diversified engineering and surveying firm with 170 full time, experienced professionals and support personnel. ELR, which was a small surveying firm at its inception, now offers a complete range of services, including construction management, transportation engineering, utilities engineering, geotechnical engineering, surveying and technology, land planning and landscape architecture, bridge and structural engineering, and site development.

Mr. Robinson is committed to quality engineering services and complete customer service. He recognizes the importance of every client he has interacted with and every staff member he has invested in. From holding sole ownership, Mr. Robinson converted ELR to an employee owned company through the Employee Stock Ownership Plan (ESOP).

Professional Memberships

National Society of Professional Engineers

American Society of Civil Engineers

Offices Held

Current Chairman of WVUIT Advisory Board

President of West Virginia Council of Consulting Engineers

Chairman Transportation Committee - WV Association of Consulting Engineers

State Director of West Virginia Society of Professional Engineers

President of West Virginia Society of Professional Engineers

Assistant Treasurer of the American Society of Civil Engineers

National Director of the ASCE representing WV, NC, SC and VA

President of West Virginia Section of ASCE

Honors Awarded

Alumnus of the Year - West Virginia University Institute of Technology, 1992

Engineer of the Year - West Virginia Society of Professional Engineers, 1997

Engineer of the Year - American Society of Civil Engineers, 1998

National Entrepreneur of the Year Finalist - Ernst & Young, 2001

Engineering Entrepreneur of the Year - Ernst & Young, 2001

Honorary PhD, Doctor of Science - West Virginia Institute of Technology 2002

West Virginia Section - ASHE - Man of the Year - 2010

ELR PROJECT TEAM MEMBER

TODD SCHOOLCRAFT, PLA

Project Manager



Education

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

Registrations

PLA, West Virginia, 1995 PLA, Pennsylvania, 2018 RLA, North Carolina, 2005 RLA, Ohio, 2002 CLARB Certified, 2001 LEED® Green Associate, 2012

Professional Experience

Mr. Schoolcraft has over 27 years of experience in the fields of landscape architecture and land planning, with over 33 years of experience in the building and construction industry. Mr. Schoolcraft has extensive experience managing complex projects and leading multi-disciplined teams of professionals resulting in the successful delivery of numerous quality projects on-time and on-budget. Major areas of specialty include commercial development, military installation design, land planning, public development, site planning and design, park and recreation design, trails and greenways, streetscape design and urban planning, and residential subdivision layout. Mr. Schoolcraft is a retired U.S. Army Officer, holding the rank of Major, with over 23 years of time in service in the U.S. armed forces. In the last years of service, he held the position of Operations Officer with the newly formed Chemical, Biological, Radiological, Nuclear or High Yield Explosive Enhanced Response Force Package Team (CERFP Team) with the West Virginia Army National Guard.

Prior to this, he was a combat engineer with the Design Section of the 111th Engineer Group, West Virginia Army National Guard. The 111th Engineer Group served in the Middle East in support of Operation Iraqi Freedom and Operation Enduring Freedom. During that time, Mr. Schoolcraft was awarded the Bronze Star Medal for meritorious service associated with a multitude of engineering and architectural projects in Kuwait and Iraq. Mr. Schoolcraft was appointed by the governor to the West Virginia State Board of Landscape Architects and served over 9 years as Secretary and Treasurer.

Representative Projects

Bluestone Adventure Trails Master Plan for the Mercer County Commission and Bluestone Valley Trails Committee, Princeton, West Virginia. Project Manager. The Bluestone Adventure Trails Plan for Mercer County was developed to position the County to compete regionally in the recreational trails tourism mar-ket, for users searching for new mountain bike routes, hiking trails, water trails recreation, and fishing ac-cess in the Bluestone valley area.

Lincoln County Trails to the Future Feasibility Study for the Lincoln County Economic Development Au-thority, West Hamlin, West Virginia. Project Manager. The Lincoln County Trails to the Future plan was developed as an opportunity to showcase and expand the recreational trails opportunities of Lincoln Coun-ty by providing a platform for new trails to be developed, while leveraging the existing trails, parks and rec-reational amenities, and proximity to potential trail users and the visitors within and outside the County.

Pennsboro Trailhead, Old Stone House/Boarding House, and Historic B&O Train Depot Improvements for the City of Pennsboro and the Ritchie County Historical Society, Pennsboro, West Virginia. Project Landscape Architect. Responsible for concept planning, detailed design, construction documents, bidding, construction administration and construction inspection. The Ritchie County Historical Society, in conjunction with the City of Pennsboro, solicited services for the planning and detailed design of a new trailhead along the North Bend State Park Rail Trail. Site improvements include the first known use of pervious as-phalt in West Virginia as the pavement surface for the parking area. A rain garden/bio-retention swale was also included as the many green, sustainable design solutions proposed. This project was awarded an ASLA Merit Award.

Greenbrier River Rail-Trail Improvements for the WVDNR, Parks and Recreation Division in Greenbrier County, West Virginia. Project Manager. Responsible for field inventory and analysis, base map preparation, concept development, detailed design, and construction documents preparation. The banks of the Greenbrier River were literally washed away twice during severe flooding in 1996. Also washed away were parts of the Greenbrier River Trail, the 88-mile former railroad line from Cass to Caldwell, which is main-tained by the West Virginia Division of Natural Resources. Developed FEMA-funded plans to restore trail to its former function as a State Park.

North Bend Rail-Trail Preservation Project for the West Virginia Department of Natural Resources, Parks and Recreation Division, and the West Virginia Division of Highways, along US 50, West Virginia. Project Manager. Responsible for field inventory and analysis, base map preparation, concept development, detailed design, and construction documents preparation.

ELR PROJECT TEAM MEMBER

GRACETYN CARPER

Land Planner



Education B.S. Landscape Architecture, West Virginia

University, 2019

CADD Technician Certificate, Carver Career Center, 2015

Graduate, Herbert Hoover High School, 2015

Registrations

Currently preparing to sit for the LARE exam for registration in West Virginia

Professional Experience

Ms. Carper has a diverse portfolio of experience in the fields of landscape architecture and land planning, as well as freelance experience as a fledgling artist. Ms. Carper has extensive experience working in a group setting, effectively leading design teams utilizing effective problem-solving skills. Major areas of specialty include color renderings and aerial oblique perspectives, proposal preparation, grant writing, land planning, computer aided drafting and design, and planting design. Ms. Carper was also a member of SSLA (Student Society of Landscape Architects) for four years.

Representative Projects

Mary Ingles Draper Summers-Mercer County Trail Mapping for the Summers County Commission and the Mercer County Commission, New River Gorge, West Virginia. Land Planner. Responsible for base map preparation, content development, and graphic design. Was asked by the Commissions of both Mercer and Summers County to prepare a graphically-oriented map that captured the extent of the existing and proposed trail system crossing multiple counties and two states near southern West Virginia. The trail system incapsulates the famous Mary Ingles Draper trek escaping Shawnee Indian capture, as well as portions of the Great Eastern Trail, and Bluestone Adventure Trail, within the New River Gorge and Bluestone River Valley.

Williamson Streetscape and Trail Improvements Grant Funding Graphics for the City of Williamson, Mingo County, West Virginia. Graphic Designer. Responsible for aerial mapping preparation, graphic layout, and design. Developed graphic representations of proposed streetscape and trail improvements for the City of Williamson to use as exhibits to support their WVDOH Transportation Alternatives grant application.

Wayne Sidewalk Improvements for the Town of Wayne, Wayne County, West Virginia. CAD Support. Responsible for computer-aided drafting and design, and construction document production. Developed detailed design plans and construction documents for sidewalk improvements along Keyser Street, Hendricks Street, and Hall Street in downtown Wayne, WV. Project consisted of five blocks of sidewalk improvements, tying commercial business areas with residential areas with new safe, convenient, ADA-accessible walkways. Amenities included 445 square yards of concrete sidewalks, curb ramps with truncated domes, concrete cheek wall, aluminum handrailing, concrete curbs, driveway curb cuts, crosswalks, storm sewer improvements, signage and parking meters.

Harrisville Sidewalk Improvements Phase III for the Town of Harrisville, Ritchie County, West Virginia. CAD Design. Responsible for computer-aided drafting and design, and construction document production. Developed detailed design plans and construction documents for sidewalk improvements along East South Street and South Stout Street in downtown Harrisville, WV. Project consisted of two blocks of sidewalk improvements, tying commercial business areas and residential areas with new safe, convenient, ADA-accessible walkways.

Domino's Pizza Ashland Site Development for the Domino's Real Estate Division, Lexington, Kentucky. CAD Designer. Responsible for field inventory, computer-aided drafting and design, and construction document production. Performed field inventory and analysis functions for the final design, as well as developing detailed design plans and construction documents. The project consisted of constructing a new Domino's Pizza restaurant on a 0.29-acre site in downtown Ashland, KY. The project included demolition plans, a 20-car parking lot, drive-thru lane, siting of a 3,200-sf commercial building, sidewalks and handicap accessible curb ramps, site utilities and landscaping.

Logan Boat Ramp and Riverfront Park Concepts for the City of Logan, Logan County, West Virginia. Land Planner. Responsible for aerial mapping preparation, graphic layout, and design. Developed graphic representations of proposed boat launch and riverfront park improvements along the Guyandotte River for the City of Logan to use as exhibits to gain local support and seek out funding through various grant applications.

BRANDON CONLEY, PE

Project Engineer



Education M.S.E. Engineering Management, Marshall University, 2016

B.S. Civil Engineering, West Virginia Institute of Technology, 2009

Registrations

Registered Professional Engineer in West Virginia, Kentucky and Ohio

Professional Experience

Mr. Conley has more than 10 years of experience in project conception, planning, design, computer modeling, preparation of plans and specifications, permitting, coordinating with other utilities, land acquisition, easements, bidding, preparing invoices, construction management, site inspections and updating client's board members for a variety of projects ranging from small extensions to complete system upgrades. Training includes preliminary engineering reports, line layout, hydraulic design, lift and booster station design, water storage tank design, preparation of construction documents and specifications, preparation of permit applications and coordination with regulatory and funding agencies.

- Eastern Wyoming PSD Barkers Ridge/Basin Phase I & II Waterline Extension Project. Construction and design with a \$10,644,000 cost.
- Eastern Wyoming PSD Beartown-Herndon Heights AML Waterline Extension Project. Construction with a \$9,388,000 cost.
- Eastern Wyoming PSD Bud/Alpoca Water System Upgrade Project. Construction with a \$2,270,000 cost.
- Eastern Wyoming PSD Covel Waterline Extension Project. Construction with a \$5,860,000 cost.
- Eastern Wyoming PSD Otsego Waterline Extension Project. Construction with a \$9,828,000 cost.
- Lincoln PSD Lower Mud River Waterline Extension Project. Construction with a \$6,452,000 cost
- Logan County PSD Big Harts Phase I through IV Waterline Extension Project. Planning, design and construction with a \$22,810,000 cost.
- Logan County PSD Big Ugly Creek Road Phase I through III Waterline Extension Project.
 Planning with a \$10,035,000 cost.
- Logan County PSD Frances Creek Waterline Extension Project. Construction with a \$2,830,000 cost.
- Logan County PSD Hidden Valley/Airport Road Water System Upgrade Project.
 Construction with a \$1,307,000 cost.
- Mingo County Redevelopment Authority Mingo County Air Transportation Park Water and Sewer Extension Project. Design with a \$7,000,000 cost.
- Town of Chapmanville Water System Upgrade Project Phase I & II. Construction and design with a \$5,050,000 cost.
- Town of Williamson Water System Upgrade Project. Design with a \$11,764,000 cost.
- West Virginia Division of Natural Resources Claudia L. Workman Wildlife Education Center Phase I. Construction with a \$2,110,000 cost.
- Town of Pax Willis Branch Sewer Extension Project. Planning and Design with a \$2,300,000 cost.
- Town of Gilbert River Bend Road Waterline Extension Project. Planning and Design with a \$2,229,000 cost.

KENNETH KINDER, P.E.

Project Engineer



Education

B.S. Civil Engineering, West Virginia Institute of Technology, 2003

Registrations

Registered Professional Engineer in West Virginia and Virginia

Certified Floodplain Manager (CFM)

Professional Experience

Mr. Kinder has nearly 18 years of experience in many facets of civil engineering. Mr. Kinder began his career as a staff engineer where he became proficient in the designing of projects and project management assistance. He has worked on an array of projects including civil site design, erosion and sediment control, stormwater management, hydraulic modeling, floodplain permitting, wastewater treatment, water treatment and distribution, geotechnical solutions, surface and underground coal permitting, limestone quarry permitting and solid waste landfill design. Mr. Kinder then moved into the role of Project Manager and served as an Office Leader while employed with a previous firm. Since joining ELR, Mr. Kinder has taken on the role of Project Manager on several noteable projects.

- 13 individual WVDOH ADA Design-build Curb Ramp Projects Project Manager
- Kanawha County, Cleridenin, Logan County, and Richwood FEMA HMGP Flood Mitigation Projects – Project Manager
- WV Conservation Agency Elk Twomile Dam Seep Repair Project Manager
- Kanawha County FEMA Flood Map Update Review Project Manager
- Buffalo Creek and Gauley Recreational Trail Flood Damage Assessments Project Manager
- Nitro City Park Riverbank Restoration and Recreational Trail Project Manager
- WVDEP LCAP Wheeling Landfill Closure Cap Design Lead Design Engineer, Civil Task Manager, Assistant Project Manager
- 90 MW Solar Generation Facility in Raleigh County, WV –Stormwater and E&S Design Task Manager and Assistant Project Manager
- 100 MW Solar Generation Facility in Lancaster County, VA Civil Design Task Manager
- 70 MW Solar Generation Facility in Richmond County, VA Civil Design Task Manager
- CCR Impoundment Closure Project for 5 impoundments, Prince William County, VA -Civil Design Task Manager and Assistant Project Manager
- CCR Bottom Ash Pond Retrofit Design for 3 impoundments, Armstrong County, PA Civil Task Manager and Assistant Project Manager
- CCR Bottom Ash Pond Retrofit Design for 4 impoundments, Lycoming County, PA Civil Task Manager

RANDY LACKEY, P.E.

Project Engineer



EducationB.S. Civil Engineering,
West Virginia Institute of
Technology, 1999

Registrations Registered Professional Engineer in West Virginia, Ohio and Kentucky

Professional Experience

Mr. Lackey was intricately involved in the hydraulic design process of the Blennerhassett Island Bridge Project, which connects West Virginia to Ohio as well as span the Ohio River and Blennerhassett Island. Included in this project were the following: Preparation of flood plain analysis for existing, temporary, and various post construction conditions, scour analysis using FHWA approved publications, analyzing the affects that debris flow will have on the bridge as well as Blennerhassett Island, and studying the potential for lateral channel migration and understanding the affects the migration would have on the design on the bridge substructure.

Mr. Lackey was also involved with the hydraulic design process of the Corridor H South Branch of the Potomac River Bridge. Included in this project were the following: Preparation of flood plain analysis for existing, temporary, and various post construction conditions, scour analysis using FHWA approved publications, analyzing the affects that debris flow will have on the bridge, studying the affects the proposed conditions will have on the Town of Moorefield, WV flood level, and studying the potential for lateral channel migration and understanding the affects the migration would have on the design on the bridge substructure.

Mr. Lackey has also performed hydraulics and scour computations for Guyandotte River Bridge, Wyoming Truss Bridge, Ripley Town Bridge, Jackson Bridge, Beaver Creek Bridge, Walnut Bottom Bridge, Tallman Bridge, Meadowbrook Road Bridge, Simpson Creek Bridge, Kermit Bypass Bridges and culverts, Left Hand Fork Bridge, and Corridor H Bridges over Walnut Bottom Run and an unnamed tributary.

Mr. Lackey has prepared Section 404 permitting analysis and paperwork for Ripley Town Bridge, Simpson Creek Bridge, Meadowbrook Road Bridge, and the Left Hand Fork Bridge. Along with this work, Mr. Lackey has prepared CLOMR and documentation for Horseshoe Village Subdivision and for The Ohio State University Medical Center's two proposed bridges that connect the University with OH SR 314 over the Olentangy River.

Mr. Lackey has performed calculations for deck drainage, performed girder design and analysis, pier design and analysis, prepared design study reports, type, size and location reports and final plans on many of E.L. Robinson's Division of Highways projects.

- Corridor H Kerens to Parsons Section 01 Design Build Project, Randolph and Tucker Counties, WV
- I-77 bridges: Surface Drive Overpass Bridges: Project Engineer
- · Tuppers Creek-Pocatalico Bridges: Project Engineer
- Guyandotte River Bridge: Project Engineer for the Value Engineering of Guyandotte River Bridge (Bridge No. 4971).
- Morehead Bridge: Project Engineer for the Value Engineering of Morehead Bridge (County Route 26)

TOM RAYBURN, PS

Manager of Surveying



Education A.S. Mechanical Engineering, West Virginia Institute of Technology, 1970

Registrations Registered Professional Surveyor in West Virginia, Kentucky, North Carolina

Professional Experience

Mr. Rayburn currently serves as Manager of Surveying for E.L. Robinson Engineering and has more than 30 years of design surveying and construction surveying experience. His responsibilities include management of surveying and control for various design projects, including highways, buildings, and bridges. In addition, Mr. Rayburn manages and performs work consisting of courthouse research for property ownership resolution for the above mentioned project types. This includes preparation of property resolution maps, deed descriptions for property acquisitions required for project plan preparation. Mr. Rayburn has experience in Geodetic Control Surveys, 3D Laser Scanning, Photogrammetric Control, Topographic Surveys, Cemetery Surveys, Boundary Surveys, Construction Stakeout, Subdivision Surveys, along with Hydrographic surveys of river and lake bottoms. A few of the more notable surveying projects performed by ELR under the supervision of Mr. Rayburn, have been the Blennerhassett Bridge Project, 11 continuous miles of Corridor H design surveys, GPS Control for the West Virginia Statewide Mapping and Addressing PSD Project, 3D Laser Scan and mapping of the CAMC Parking Garage partial collapse, and 3D Laser Scanning of 1-64/1-77 Retaining Wall for Monitoring.

- WVDOH Wellsburg Bridge Project
- WVDOH I-81 Widening Project
- WVDOH I-79 Flatwoods
- WVDOH I-70 Mining Project
- Corridor H Kerens to US 219 Connector
- WVDOH I-70 Mining Project
- WVDOH WV Route 10 Operational Improvements
- Mingo County Redevelopment Wood Park WVDOH Access Road ROW Plans
- Logan County Commission Building Elevator and Stairway Project-Logan, WV
- WVDOH WV Route 10 Operational Improvements
- Chief Logan Recreational Center-Logan, WV
- Forks of Coal Site Development
- Logan County Commission / WVANG C130 Camp Branch Landing Zone
- WVDOH Median Improvement Surveys I-64 and I-77
- Surveys for Huntington Tri-State Airport Improvements
- Huntington Federal Building/USACOE Seven Floor Reconstruction Surveys
- WVDOH / Modjesky and Masters New River Parkway Highway Design Surveys
- Moses Auto Group 5.5 Acre ALTA Survey South Charleston, WV
- Gallipolis Ohio Waterfront Survey

TODD GARNES

Design/CADD Manager



Education

A.A.S. Architectural Drafting Technology West Virginia State College, 1999

A.A.S. Computer Aided Drafting and Design West Virginia State College, 1999

Professional Experience

Mr. Garnes has more than 20 years of experience as a civil draftsman and designer. He is proficient in numerous drafting and mapping software. His proficiency spans multiple drafting platforms such as Civil 3D, Auto CADD and Microsoft InRoads. Further, Mr. Garnes has experience in GIS, construction inspection, waterline planning and design, sanitary sewer planning and design, site development, cathodic protection planning, county-wide planning,, and document preparation.

- Village of Rio Grande Wastewater System Improvements and Wastewater Treatment Plant
- Camp Caesar Infrastructure Improvements Project
- Doddridge County PSD 2015 County Wide Water Study
- Pocahontas County PSD: Cheat Mountain Water Acquisition; Dominion Waterline Extension
- Village of Cadiz Water System Improvements Project
- Bluefield Commercialization Station
- WVDNR North Bend State Park Waterline Extension
- Rahall Transportation Institute Land Use Master Plans Boone, Clay, Fayette, Lincoln, Logan, McDowell, Mercer, Wayne, Wyoming, Raleigh, Upshur, Webster, and Marshall Counties
- Webster County PSD Bergoo Wastewater System and Wastewater Treatment Plant Improvement
- Town of Gilbert: Slabtown, Tamcliff and Paynter Bottom Waterline Extension Project; Horsepen, Gilbert Creek and Browning Fork Waterline Extension; River Bend Road Waterline Extension; Upper Gilbert Creek Waterline Extension
- Logan County PSD: Upper Little Harts Creek Waterline Extension; Big Harts Creek Waterline Extension; Marsh Fork Waterline Extension; Hidden Valley/Airport Road Waterline Extension; Ridgeview Sewer – Railroad Permits
- Lincoln EDA Lower Mud River Waterline Extension
- Town of Chapmanville Water Upgrade Project
- City of Charleston Lee Street Sidewalk Enhancements
- King Coal Highway Water and Sewer Project
- Putnam County Business Park Utilities Extension Project
- Norton Harding Jimtown PSD Scott Run/Findley Road Waterline Extension Project

JOEY JUDE

Project Designer

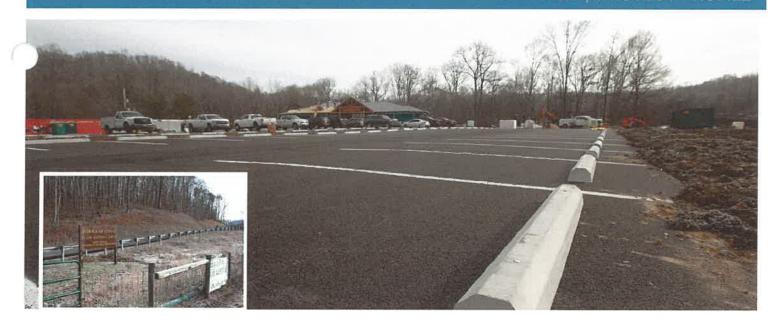


EducationB.S. Civil Engineering
Technology, West Virginia
Institute of Technology,
2007

Professional Experience

Mr. Jude has over 14 years of experience as an engineering intern and civil designer. His experience includes the planning and design of water distribution systems, sanitary sewer systems, and site development, preparation of bid documents and specifications and construction inspection. Mr. Jude has also assisted in the coordination of construction activities with clients and construction companies and managed construction budgets during the construction phase of the projects. Further, he is proficient in several drafting platforms including Civil 3D and WaterCAD.

- MUB Mountaintop Beverage Sewer Line Extension Project
- Doddridge Co. PSD Blandville-West Union Waterline Extension Project
- Doddridge Co. PSD Route 18-Snowbird Rd. Waterline Extension Project
- Flatwoods-Canoe Run PSD Exchange Road Phase I & II Waterline Extension Projects
- Flatwoods-Canoe Run PSD Heaters-Weyerhaeuser Waterline Upgrade Project
- Putnam PSD East End Tank Waterline Relocation Project
- Putnam PSD Bills Creek Waterline Relocation Project
- City of Philippi Route 119 Sewer Expansion Project
- City of White Sulphur Springs Harts Run Waterline Extension Project
- Twisted Gun Recreational Area Development Water Extension Project
- Mingo County PSD Emergency Intake Construction Project
- Mingo County PSD Beech Creek Water Main Extension Project
- Mingo County PSD Ben Creek Phase I & II
- Mingo County PSD Marrowbone Waterline Extension Project
- Mingo County PSD Jennies Creek Waterline Extension Project
- Dingess Water Distribution System Extension Phase I & II
- Crocket Miller Fork Waterline Extension Project
- Nestlow Water Project Phase I & II
- Route 37 Water Extension Project
- Crum PSD Route 152 Water Project Phase I & II
- Lavalette Water Storage Tank
- Kenova Downtown Water System Upgrade



FORKS OF COAL STATE NATURAL AREA - CLAUDIA L. WORKMAN WILDLIFE EDUCATION CENTER

Client: West Virginia Division of Natural Resources

Project Location:

Alum Creek, WV

Key Personnel:

Brandon Conley, P.E.
Tim Cart, P.E
Scott LeRose, P.E.
Todd Schoolcraft, PLA

Project Cost:

\$5,000,000

Year Completed:

Current

WVDNR retained E.L. Robinson Engineering to prepare a master plan for this 100 plus acre site donated to the State of West Virginia for the development of the state's first natural area. The site is located at the forks of the Big Coal and Little Coal River, approximately twenty miles from downtown Charleston.

Additionally, the WVDNR retained the team of ELR and ZMM Architects to prepare construction documents for the Forks of Coal Natural Area and the Wildlife Education Center.

This site related elements ELR will design are:

- Access road off US 119 and car and bus parking area for the Claudia L.
 Workman Wildlife Education Center
- Site development for the Education Center including entry courtyard and outdoor classroom/amphitheater
- Entry sign
- Trailhead parking
- Waterline extension from Lincoln County PSD and an onsite sewage treatment facility for 5,000 gpd with two Orenco AX100 AdvanTex treatment pods, 8,000-gallon septic tank for the Visitor Center, 2,000-gallon septic tank for the District 5 Office, 4,000-gallon recirculation tank and chlorine disinfection system with outfall to the Big Coal River. Construction was finished in July 2019.
- Landscape plans for the center

Little Coal River Boat Ramp at Lincoln / Kanawha County Line near Alum Creek, WV







WVDNR retained E.L. Robinson in 2017 to prepare survey, geotechnical evaluation, and construction documents for upgrades of this existing access site near the US 119 Bridge off of County Route 8.

The site related elements ELR will design are:

- · Upgrade the existing road into the site.
- New concrete ramp built to the river's edge to allow for vehicles with boats easier water access to unload via trailer or roof racks.
- Entry sign.
- · Parking for vehicles and trailered vehicles.
- · Gates to prevent public access under US 119 Bridge.

CLIENT:West Virginia Division of Natural Resources

Kanawha Falls Public Access



E.L. Robinson's landscape architects prepared construction documents for this unique natural landmark on the Kanawha River just down stream from its formation at Gauley Bridge. This project included a boat ramp, access road, parking facilities, fishing pier, trails, and picnic sites for this excellent fishing area as well as a very scenic tourist spot along US Route 60 in Fayette County.

This project was completed by E.L. Robinson's landscape architects prior to their affiliation with the firm.

CLIENT:

West Virginia Division of Natural Resources





Forks of Coal State Natural Area/ Claudia L. Workman Wildlife Education Center Master Plan









WVDNR retained E.L. Robinson in 2015 to prepare a master plan for this 100 plus acre site donated to the State of West Virginia for the development of the state's first natural area. The site is located at the forks of the Big Coal and Little Coal River, approximately twenty miles from downtown Charleston.

In 2018, WVDNR retained the team of E.L. Robinson Engineering and ZMM Architects to prepare construction documents for the Forks of Coal Natural Area and the Wildlife Education Center.

This site related elements ELR will design are:

- Access road off US 119 and car and bus parking area for the Claudia L.
 Workman Wildlife Education Center
- Site development for the Education Center including entry courtyard and outdoor classroom/amphitheater
- Entry sign
- · Trailhead parking
- Waterline extension from the Lincoln County PSD and an onsite sewage treatment facility for the education center
- Landscape plans for the center, of which all plants had to be native species.
- Other pedestrian linkages and site amenities.

CLIENT:

West Virginia Division of Natural Resources

LOCATION:

Alum Creek, WV



North Bend State Park Campground Upgrades



ELR prepared construction documents for mitigating the standing water present in many of the 26 sites due to years of added road pavement and lack of adequate cross slope and drainage swales throughout the campground. Also, provided an upgrade of the existing electrical service to the campsites by increasing the sites from 30 amp to 50 amp service which requires extending 3 phase service 1600' to the campground. Additionally the park staff wants to establish individual water hook ups at all 26 campsites. Only five (5) centralized faucets exist throughout the campground. To facilitate this, an aging 2" waterline to the campground will require replacement with 1600 feet of new 4" waterline. Lastly staff expressed an interest in evaluating the cost of a prefabricated concrete restroom facility for the additional 22 campsites that have no facilities lessening the burden on the existing restroom /bathhouse in the original 26 site campsites.

CLIENT:

WV Division of Natural Resources

Mr. Brad Leslie, P.E. Assistant Chief West Virginia Division of Natural Resources Parks and Recreation Section 324 4th Avenue South Charleston, WV 25303

COMPLETION DATE:

2016

PROJECT COST:

\$250,000 (first phase) est

OUR ROLE:

Topographical survey, civil and electrical engineering, material selection, construction documents, and construction observation

Holly River State Park Wastewater Treatment Plan



E.L. Robinson was retained by the West Virginia Division of Natural Resources, Parks and Recreation to provide planning, design and construction administration services for a new waste water treatment plant for Holly River State Park in Webster County, West Virginia.

The goal of ELR's environmental engineers was to produce a design that would enable our client to provide a safe, dependable and economical treatment of sanitary sewage for the park, while preserving and protecting the scenic and recreational elements at the same time. Working closely with our client and the owner, WV Department of Natural Resources, Parks and Recreation, a practical solution that yields long-term benefits was produced, insuring a positive and successful project.

CLIENT

WV Department of Natural Resources, Parks and Recreation

COMPLETION DATE 1999

PROJECT COST \$66,000

E.L. ROBINSON'S ROLE

Design and construction inspection

Chief Logan State Park Recreational Facility



The facility consists of a 37,050 SF first level that has a tennis facility surrounded by an elevated walking track, and a 25 meter indoor swimming facility. A second level consisting of 8563 square foot includes a weight lifting facility as well as several other exercise areas.

E. L. Robinson Engineering provided Geotechnical, Civil and Structural Design services for the facility. We also served as the Prime Consultant on the project and worked with our sub-contractors the project architect and the project mechanical engineer. The site was a former mine fill area with 70-80 feet of rock over burden placed on site during mining operations. E. L. Robinson worked with the owner after performing a geotechnical investigation to develop a plan to remove soil at the site to a depth of 12 feet removing oversized materials and replacing the material with an engineered fill. Upon completion of the earthwork, plans and specifications for the structure and the foundation system were developed. In addition sewage and water infrastructure was designed to serve the facility. Working with the owner, project architect, and mechanical engineer the facility was bid documents were developed. E. L. Robinson assisted the owner in the solicitation of bids and award of the contract and also provided on-site review of the construction as needed.

Client:

WV Department of Natural Resources

Project Location:

Logan County, WV

Key Personnel:

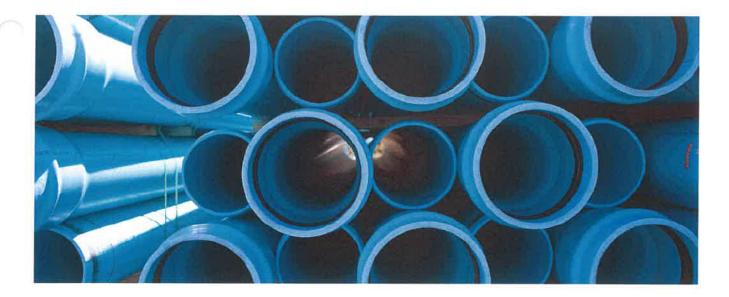
Tim Cart, P.E. Randall Lewis Eric Coberly, P.E.

Project Cost:

\$5,200,000

Year Completed:

2009



Chief Logan State Park - Sewer

The project consisted of extending service to 12 additional camp sites. This consisted of approximately 2000 feet of sewer line and installation of 13 manholes. Initially the project involved replacing the existing treatment plant but the plan was changed to incorporate that into the Logan County PSD sewer System. ELR assisted in that evaluation and determination as well.

Client: WVDNR

Location: Logan County

Key personnel: Eric Coberly Todd Garnes

Project Cost (estimated): \$400,0000

Year Completed: Out to bid

Chief Logan State Park - Water

The project consisted of providing upgrades to the existing waterlines within the park. The scope include design of approximately 11,000 linear feet of waterline replacement, installation of gate valves, replacement of service lines and reconnections of services.

Client: WVDNR

Location: Logan County

Key personnel: Eric Coberly Todd Garnes

Project Cost: \$382,0000

Year Completed: 2021

Blackwater Falls State Park Sewage Treatment Plant Replacement



E.L. Robinson Engineering Co. was contracted by the West Virginia Division of Natural Resources, Parks & Recreation to design a new concrete sewage treatment plant which eliminates the potential for rust. The new plant also uses ultraviolet disinfection and provides a sand filter prior to discharge into the Blackwater Canyon.

The new plant was constructed adjacent to the existing plant. E.L. Robinson's design kept the existing plant in service during construction. A new building was also designed to match the building housing the existing plant.



CLIENT:

West Virginia Division of Natural Resources, Parks and Recreation

Brad S. Leslie, P.E.
Assistant Chief West Virginia
Division of Natural Resources
State Parks Section
324 4th Avenue
South Charleston, WV 25303
Phone:304.558.2764 Ext. 51823
E-Mail: bradley.s.leslie@wv.gov

COMPLETION DATE:

2008

PROJECT COST:

\$600,000

OUR ROLE:

Design and Construction Observation

Tygart Lake Wastewater Treatment Plant







E.L. Robinson Engineering Co. was retained by the West Virginia Division of Natural Resources, Parks and Recreation, to provide planning, design and construction administration services for a new waste water treatment plant for Tygart Lake State Park near Grafton, West Virginia.

The existing treatment plant was replaced by an 8,000 gallon per day package plant, with new controls and electrical equipment. The new plant serves the lodge. A concrete retaining wall was also constructed due to poor soil conditions at the plant site.

CLIENT:

West Virginia Division of Natural Resources, Parks and Recreation

COMPLETION DATE: 1998

PROJECT COST:

\$118,000

OUR ROLE:

Design and Construction Observation

Watoga State Park Wastewater Treatment Facility Replacement



The West Virginia Division of Natural Resources contracted ELR to replace an existing 10,000 gpd package treatment plant at the campground. The existing plant was oversized, outdated, and in disrepair. ELR chose to replace the existing plant with an Orenco AX100 AdvanTex Wastewater Treatment System. The new system incorporated an 8,000-gallon septic tank, a 4,000-gallon recirculation tank, and two AX100 Treatment Pods. The new plant was designed to accommodate fifty RV sites and a bathhouse. The designed average daily flow is 2,000 gpd and maximum daily flow is 3,750 gpd. The new plant discharges through a chlorination and dechlorination process before it outlets to the Greenbrier River. Once the new plant was online, the existing package plant was abandoned, dismantled, backfilled, and properly seeded and dressed. Construction was finished in November 2017.

CLIENT:

WVDNR

Project Location: Marlinton, WV

Key Personnel:

Eric Coberly, P.E. Randall Lewis Todd Garnes

Project Cost: \$500,000

Year Completed:

2017

Gallipolis Riverfront Improvements



E.L. Robinson Engineering is responsible for project planning, permitting, design, and construction management of Riverfront Access Improvements for the City of Gallipolis, Ohio. The project provides upgrades to the existing river access including a new access road, 37 additional boat trailer parking spaces with make ready and tie down areas, 9 vehicle parking spaces, new floating courtesy dock and gangway at the existing boat ramp, parking lot lighting, and concrete amphitheater seating.



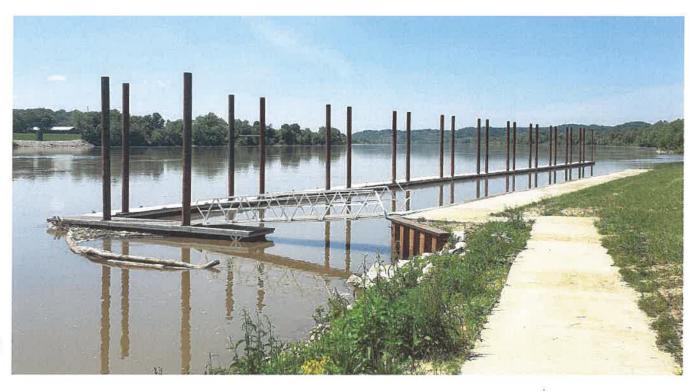
CLIENT:

City of Gallipolis, Ohio

Eugene Green, City Manager City of Gallipolis, Ohio 2020 Chestnut Street Ironton, Ohio 45631 Phone: 740.446.1789

COST: \$792,250

Ironton Riverfront Docks Project



E.L. Robinson Engineering is responsible for project planning, funding, USACE permitting, design, and construction management of the installation of transient boat docks at the Ironton, Ohio Riverfront. The project provides 30 transient boat slips along 450 linear feet of floating dock, a 230 foot long sheet piling retaining wall and river walk, and an aluminum gangway to provide access to the floating docks from the river walk.



CLIENT:

City of Ironton, Ohio

Katrina Keith, Mayor City of Ironton, Ohio 301 South Third Street Ironton, Ohio 45638 Phone: 740.532.3833

COST: \$668,877

Hinton Riverfront Development Master Plan



Base map preparation, conceptual design and master planning, budgetary cost estimate preparation, and presentation to state officials.

Mayor Jackie Scott reached out to E.L. Robinson Engineering Co. (ELR) to prepare a master plan, concept plans, graphics and budgetary cost estimates for proposed riverfront and trail developments along the New River within the Corporate Limits of Hinton. There was an aggressive schedule the Mayor had in mind, that would put ELR's resources to the test. With the new designation of the New River Gorge National River being promoted to a National Park in late 2020, a contingent of high level political personalities from Washington D.C. were scheduled to be in the New River Gorge area in late January to early February to help unveil the new National Park Service signs designating the New River Gorge as a National Park. The City of Hinton was made aware of the planned trip in late November, and decided this was the opportunity the

City needed to present Governor Jim Justice's office, Senator Shelly Moore-Capito's office, and Senator Joe Manchin's office, plans for new riverfront trail and river access along the New River. The Mayor subsequently contacted ELR in early December requesting the master planning effort to be completed in less than two months. ELR accepted the challenge, and successfully delivered the master plans, conceptual site plans, graphics, cost opinions, all on time for presentations to the State and Federal dignitaries.

CLIENT:

The City of Hinton

The Honorable Jackie Scott, Mayor 322 Summers Street Hinton, WV 25951 304.466.3255

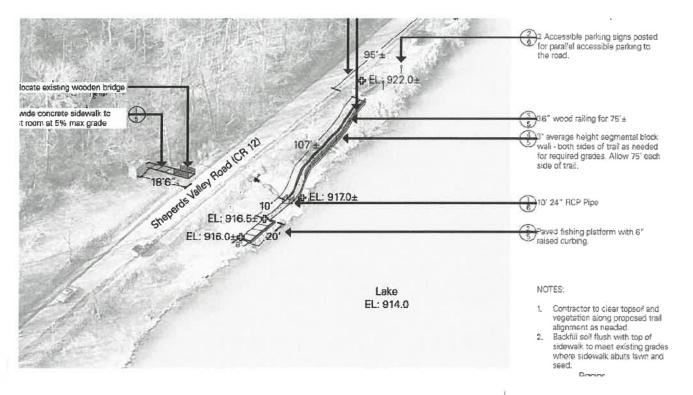
COMPLETION DATE:

February 15, 2021

PROJECT COST: \$5,000 (Design only)



Tomlinson Run State Park ADA Accessible Fishing Site



ELR prepared construction documents for an accessible walkway meeting ADA guidelines from an existing parking area to the water edge. A 5' wide sidewalk within segmental block retaining walls and railing will be constructed to an enlarged 8' by 20' concrete paved area. A curbed barrier along the water edge of the paved fishing area allows close proximity to the park's lake for fishing. Additional elements included an accessible paved route to an existing restroom and appropriate signage.





CLIENT:

WV Division of Natural Resources

Mr. Brad Leslie, P.E. Assistant Chief West Virginia Division of Natural Resources Parks and Recreation Section 324 4th Avenue South Charleston, WV 25303

COMPLETION DATE:

December 2015

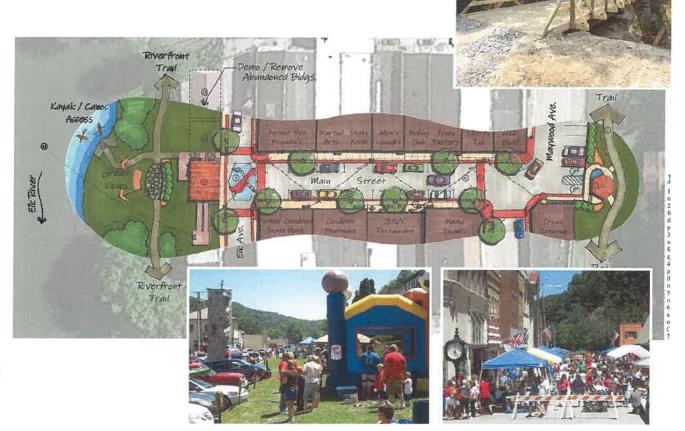
PROJECT COST:

\$57,767 est

OUR ROLE:

Site design, material selection, construction documents, and construction observation





ELR's landscape architects and planners were retained by the Kanawha County Planning Commission to prepare a trail town feasibility study for the Town of Clendenin. The trail town plan was prepared as an opportunity for the Town of Clendenin to better position its businesses and residents to showcase and expand the retail and recreational environment in the upper Kanawha County and lower Elk River area. The town is expected to have an influx of recreational tourism visitors to the new Elk River Rail-Trail State Park. By providing a platform for new trail amenities and businesses to be developed, while leveraging the existing Elk River Scenic River and its associated parks and recreational amenities, Clendenin has a great opportunity to capitalize on a large proximity of potential trail users and visitors within and outside the County and State.

The purpose of the Clendenin Trail Town Feasibility Study was to explore the development of recreational amenities associated with non-motorized trails (hiking, biking, equestrian, kayaking, canoeing, tubing, fishing, etc.) throughout the Clendenin area, through the identification of 1) potential trail amenities and trailheads, and 2) new and/or expanded businesses, and the implementation strategy needed for the development of such. The ultimate goal was to boost the economic activity in the region through destination tourism activities.

The final steps included concept plans for proposed trailhead and other amenities, and the preparation of budgetary cost opinions for the County's use in pursuing grant funding.

CLIENT:

Kanawha County Commission

COMPLETION DATE:

July 2020

PROJECT COST:

\$25,600

OUR ROLE:

- Field inventory of rail-trail corridor
- Inventory of ROW encroachments
- Concept plan preparation for selected site
- Budgetary cost estimating
- Economic development planning
- Market data summary

Stonewall Jackson Resort State Park Pedestrian Bridge









West Virginia Division of Natural Resources received a grant to build a pedestrian bridge approximately 900 feet across the lake from the lodge to the campground. An initial concept plan was developed for the bridge in 2008 which served as the basis of the final design which EL Robinson was retained to develop.

The structure was designed as a 10' wide timber pile bridge with appropriate wooden decking and handrail. The accessible approach on the lodge side was previously completed and the contractor was charged with connecting the bridge to that existing approach. At the campground end of the bridge an alignment was designed and constructed to allow for the Resort to build that accessible approach separate from the bridge construction.

CLIENT:

West Virginia Division of Natural Resources

COMPLETION DATE:

2011

PROJECT COST:

\$400.000

OUR ROLE:

Site design, structural engineering, landscape architecture, construction documents, bidding and construction observation.

BC&G Railroad and Trail







Running along the Buffalo Creek, the Buffalo Creek & Gauley Railroad (BC&G) is an 18.6-mile-long former coal-hauling shortline that operated primarily from 1904 through 1965. Through a repurposing strategy called 'rail-with-trail,' the Clay County Business Development Authority (BDA) is now maintaining the BC&G as an excursion train and recreation trail. Bail-with-trail sees recreational trails built directly adjacent to active the active railroad, still allowing draisine rail-biking and excursion trains to operate while the hiking and biking trail recreation occurs simultaneously. Tragically, the flash floods of 2016 caused the Buffalo Creek riverbank and much of the BC&G railroad and trail to incur severe damage from erosion, sediment deposition, washouts, and bridge displacements. As Clay and affected neighboring WV counties underwent numerous flood-mitigation initiatives to repair homes and infrastructure damaged by the flood, damage to the BC&G recreation area was assessed and inventoried using scans of the original 1904 railroad right-of-way centerline maps. This post-damage flood assessment helped indicate the damaged locations of trail and lay the foundation for designing needed repairs. ELR was selected to spearhead a team of geotechnical engineers, structural engineers, civil engineers and landscape architects to develop detailed design and FEMA-approved construction plans for the replacement and repairs of the bridges, railroad, culverts and trails from the community of Dundon to just past Swandale, for approximate 15 miles.

CLIENT:

Clay County Business Development Authority

Mr. Mitch DeBoard, President PO BOX 57 300 Center Street Clay, WV 25043 Phone: 304.587.4166

COMPLETION DATE:

Summer 2022 (Currently Under Construction)

PROJECT COST:

\$5,600,000

OUR ROLE:

Surveying and Base Mapping; Site Inventory and Concept Design; Construction Documents; Bidding; Construction Administration and Inspection

New River Gorge Public Access



E.L. Robinson was contracted by Brookfield Renewable to develop handicap accessible river and trail access to the New River in Gauley Bridge and Cotton Hill, Fayette County, West Virginia. By providing handicap accessible ramps and large clear pathways we were able to develop a ADA compliant space.

To improve access to the current site, ELR's landscape architects complimented the site design and existing topography with 5' wide sidewalks allowing for easy access to the boat ramp and trailhead. Fixed seating for 225-250 people was provided and a green space with enough seating for an additional 850 people was part of the plan. Crushed limestone with tightly compacted fines in the surface, locked into place with a liquid resin binder, created an A.D.A. compliant surface. A handicap accessible changing station was also included for travelers convenience.



CLIENT:

WVDNR and Brookfield Renewable

Ethan Sanford, Project Manager Hawks Nest Hydro. LLC 200 Donald Lynch Blvd. Suite 300 Marborough, MA 01752

COMPLETION DATE:

2020

PROJECT COST:

\$8,700 (Design)

OUR ROLE:

Survey, design, construction documents and construction administration

Meadow River Boat Ramp



E.L. Robinson Engineering Co. was asked to provide design services to the West Virginia Division of Natural Resources, Wildlife Resources Section, to develop a new public access site and boat launch along the Meadow River near Rainelle, Greenbrier County, West Virginia. Our charge was to develop a new boat ramp and river access point that would have the least impact on the existing Meadow River Community Park in the community of Charmco, while utilizing as much of the existing driveways, parking and infrastructure available at the existing park. ELR's landscape architects developed two conceptual designs with budgetary cost estimates for two unique access points, for the WVDNR to brief the community and park leaders. A concept was selected, and ELR developed construction plans and bidding documents based on the selected concept, and assisted the WVDNR in bidding and construction administration for the project.



CLIENT:

West Virginia Division of Natural Resources

Mr. Roger Wolfe, Project Manager WVDNR Wildlife Resource Section 50 Rocky Branch Road Alum Creek, WV 25003 Phone:304.982.2008

COMPLETION DATE:

June 23, 2021

PROJECT COST:

\$92,500 (Construction)

OUR ROLE:

Surveying and Base Mapping; Site Inventory and Concept Design; Construction Documents; Bidding; Construction Administration

Coal River Ice Creek Boating & Fishing Access



E.L. Robinson Engineering Co. (ELR) was retained by the Ohio Fish and Wildlife Commission to prepare plans for a new boat launch and fishing access facility in Coal Grove, Ohio. The facility was proposed at the confluence of Ice Creek and the Ohio River. ELR prepared a schematic design, phasing recommendations, layout plans, grading and drainage plans, erosion and sediment control plans, typical sections, roadway profiles, sewage pumpout facility details, and other miscellaneous plans and details for this outdoor recreation project.

Currently under construction, Phase I will be complete by the spring 2007 boating season. The project will include asphalt space enough to park 30 vehicles with boat trailers, 10 regular car parking spaces, concrete boat launch, floating dock sections on each side of the new boat launch, a make-ready lane and tie-down lane, and other miscellaneous site amenities. Phase II will include a newly paved exit loop road, 14 additional vehicle/trailer parking spaces, and a unique coin-operated sewage pumpout facility for exiting boats.

CLIENT:

State of Ohio, Fish and Wildlife

LOCATION:

Coal Grove, Lawrence County, Ohio

South Mill Creek Lake Area





E.L. Robinson's landscape architects provided Master planning and construction documents for the 100 car/trailer parking lot, access road, boat ramp, accessible fishing dock, pit toilet, and picnic facilities for South Mill Creek Lake recreation development.

This project was completed by E.L. Robinson's landscape architect prior to their affiliation with the firm.

CLIENT:

U.S. Natural Resources Conservation Service

Andy Deichert 1550 Earl Cove Road Suite 200, Morgantown, WV 26505 Phone:304.284.7540

Mud River Lake Recreation Area



E.L. Robinson's landscape architects provided a master plan and construction documents for the development of a 200-acre recreation facility associated with a new flood control lake on the Upper Mud River in rural Lincoln County, WV. The recreational use area features a diverse natural habitat with steeply sloping mature beech, oak and hemlock forests, rock outcrops and upland meadows dotted with young maples and pine thickets. Historic Native American habitat is documented at a rock ledge shelter located on-site.

Development included 2 boat ramps and related parking, beach, bath house, picnic areas, shelters, trails, tot play playfields along new-formed park roads and parking areas. Utility service to the facility is provided through on-site water and wastewater systems for collection, distribution and treatment.

This project was completed by E.L. Robinson's landscape architects prior to their affiliation with the firm.

CLIENT:

U.S. Natural Resources Conservation Service

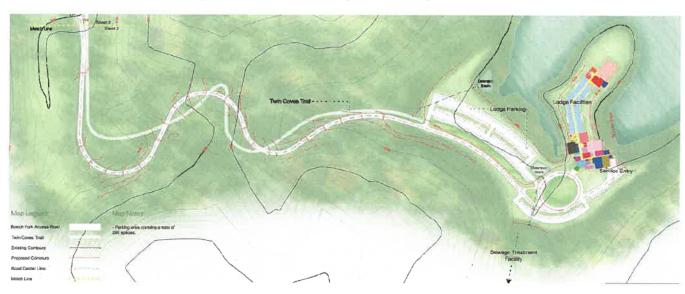
Andy Deichert 1550 Earl Cove Road Suite 200, Morgantown, WV 26505 Phone:304.284.7540







Beech Fork Lodge Feasibility Study



West Virginia Division of Natural Resources has considered a lodge for Beech Fork State Park since before it was opened in 1979. Several studies were completed in the past examining six possible sites for lodges ranging in size from 75 to 150 rooms. The last studies completed in 1995 recommended a 150 room lodge at Stowers Branch.

WVDNR retained E.L. Robinson's landscape architects in 2008 to study a new site near the Beech Fork Lake dam and marina for the feasibility of building a 35, 50, or 75 room lodge. This study found from earth work calculation, cost estimates, and slope analysis maps that the Stowers Branch site was still the most desirable based on costs, proximity to the lake, and visual impact on the park.

In 2013, WVDNR retained the team of E.L. Robinson Engineering and ZMM Architects to prepare construction documents for a 75 room lodge at the Stowers Branch location. This site is located near the swimming beach owned and operated by US Army Corps of Engineers and two miles by road from the Beech Fork Lake Dam. In 2015, the project was put on hold after completion of the design development phase.

This site was selected after two previous studies completed in 1994 and 2008. It was concluded that after studying six other possible locations, the Stowers Branch Site proved to be the most desirable location. This study is the basis of WVDNR efforts to lease additional USACOE property for the state park's facilities expansion.

CLIENT:

West Virginia Division of Natural Resources

Brad S. Leslie, P.E.
Assistant Chief West Virginia
Division of Natural Resources
State Parks Section
324 4th Avenue
South Charleston, WV 25303
Phone:304.558.2764 Ext. 51823
E-Mail: bradley.s.leslie@wv.gov

COMPLETION DATE:

2018 est.

PROJECT COST:

Total Architecture & Site Related Cost \$35 Million

OUR ROLE:

Site feasibility, studies, preliminary design, lead consultant involving civil, structural, transportation, geotechnical engineering, landscape architecture with additional services from other consultants.



Logan Pedestrian Bridge



The City of Logan retained ELR to design a replacement for a 30 year old bridge. The proposed alignment will be 234' long and 6' wide meeting accessible design standards. The bridge connects Logan High School with a nearby residential neighborhood that is separated from the school due to a predominately dry channel of the Guyandotte River. Total cost of the project was \$522,800 when completed.

CLIENT:

City of Logan

COMPLETION DATE:

December 2014

PROJECT COST:

\$522,800

OUR ROLE:

Survey, design, bidding through the City and construction administration

Lake Erie Bluffs Pedestrian Bridge and Stairs





Stairs

Lake Metroparks secured ELR's design services to design a set of stairs for users of the Lake Erie Bluffs Park in Perry, Ohio to navigate from the bluff to the beach area of Lake Erie. Currently, there is no direct access from the main parking lot and shelter area to the beach. ELR utilized a previously used stair design from the Fort Hill Stair project in Rocky River and adapted the design to the project site. Overall elevation gain was around 45'. Total project cost was \$275,000.

Pedestrian Bridge

E.L. Rebinson was contracted by Lake Metroparks to provide professional engineering services for the analysis/conceptual phase, design development, and construction documentation for a new structure over a deep ravine located at the Lake Erie Bluffs Reservation. The new structure is a prefabricated, truss type bridge that is supported by concrete abutments. A study was performed to recommended an aluminum truss based on location, span length, structure weight and construction and maintenance cost estimates. In addition, ELR provided the recommended foundation type in the Structure Foundation Exploration Report. ELR provided all the necessary coordination to secure permitting as well as with local stakeholders. The total project cost was \$147,900.

CLIENT:

Lake Metroparks

LOCATION:

Perry, OH

COMPLETION DATE:

May 2017 (Design) November 2017 (Construction)

PROJECT COST:

\$81,000 (Design - Combined) \$405,000 (Construction -Combined)

OUR ROLE:

Prime Consultant Roadway Design Bridge Design Geotechnical Design Stair Design

WV Purchasing Forms – 7





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

Proc Folder:

1125709

Doc Description: A&E - District 4 New Headquarters Office

Reason for Modification:

Proc Type:

Central Contract - Fixed Amt

Date Issued	Solicitation Closes	Solicitation No	Version
2022-11-07	2022-11-29 13:30	CEOI 0310 DNR2300000002	1

BID RECEIVING LOCATION

BID CLERK

DEPARTMENT OF ADMINISTRATION

PURCHASING DIVISION

2019 WASHINGTON ST E

CHARLESTON

WV 25305

US

VENDOR

Ve or Customer Code:

000000201742

Vendor Name:

E.T. Boggess Architect, Inc.

Address :

PO Box 727

Street :

101 Rocklege Avenue

City:

Princeton

State:

West Virginia

Country: USA

Zip:

24740

Principal Contact:

Todd Boggess

Vendor Contact Phone:

304-425-4491

Extension:

FOR INFORMATION CONTACT THE BUYER

Joseph E Hager III (304) 558-2306

joseph.e.hageriii@wv.gov

Veluor Signature X

nature A Policy Transfer F

FEIN#

55-0515917

DATE November 28, 2022

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

Date Printed: Nov 7, 2022 Page: 1 FORM ID: WV-PRC-CEOI-002 2020/05

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

(Printed Name at	nd Title)Todd Boggess, President/CEO	
(Address) PO	Box 727 / 101 Rocklege Ave., Princeton, WV 24740	
(Phone Number) / (Fax Number) (P) 304-425-4491 / (F) none		
(email address)	todd@etbarchitects.com	

CERTIFICATION AND SIGNATURE: By signing below, or submitting documentation through wvOASIS, I certify that: I have reviewed this Solicitation/Contract in its entirety; that I understand the requirements, terms and conditions, and other information contained herein; that this bid, offer or proposal constitutes an offer to the State that cannot be unilaterally withdrawn; that the product or service proposed meets the mandatory requirements contained in the Solicitation/Contract for that product or service, unless otherwise stated herein; that the Vendor accepts the terms and conditions contained in the Solicitation, unless otherwise stated herein; that I am submitting this bid, offer or proposal for review and consideration; that this bid or offer was made without prior understanding, agreement, or connection with any entity submitting a bid or offer for the same material, supplies, equipment or services; that this bid or offer is in all respects fair and without collusion or fraud; that this Contract is accepted or entered into without any prior understanding, agreement, or connection to any other entity that could be considered a violation of law; that I am authorized by the Vendor to execute and submit this bid, offer, or proposal, or any documents related thereto on Vendor's behalf; that I am authorized to bind the vendor in a contractual relationship; and that to the best of my knowledge, the vendor has properly registered with any State agency that may require registration.

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

E.T. Boggess Architect, Inc.	
(Company)	Todd Boggess, President/CEO
(Signature of Authorized Representative)	N
Todd Boggess, President/CEO /	·
(Printed Name and Title of Authorized Repres (P) 304-425-4491 / (F) none	sentative) (Date)
(Phone Number) (Fax Number)	
todd@etbarchitects.com	
(E:1 A J.J)	

(Email Address)

ADDENDUM ACKNOWLEDGEMENT FORM SOLICITATION NO.: DNR 2300000000

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

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

Addendum Numbers Received: (Check the box next to each addendum received)
Addendum No. 1 Addendum No. 2 Addendum No. 3 Addendum No. 3 Addendum No. 4 Addendum No. 9 Addendum No. 5 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 ora 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.
E.T. Boggess Architect, Inc. Company
Authorized Signature
November 28, 2022 Date
NOTE: This addendum acknowledgement should be submitted with the bid to expedite

document processing.



Letter of Transmittal

11/28/2022

то:	Charleston WV /53U5			Project: DNR District 4 Storage Buildin		
Atten:	Josh Hager Sending Via:			Sending Via: UPS		
Subj:	Qual	ifications			UPS	
CODE LEG	END		oayment vour review vour files/use	☐ 4. For your signature ☐ 5. As requested ☐ 6. Owner keeps 1	☐ 7. Send 1 to ☐ 8. Return 1 ☐ 9. Office Co	to ETB
# of copi	es	DATE		DESCRIPTION		CODE
1			Statement of	f Qualifications		2
•			Scacement of	Quantications		
1			Statement of	f Qualifications - Electro	nic	3
·			Statement of	- Quantifications Electro	THE	
1			Set of Purcha	asing Documents (Bound	in Section 7)	3
				3		
REMARKS:						
		you for this etbarchitec		d we look forward to he	earing from you	

Signed:

Todd Boggess, AlA, NCARB, Architect



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

Proc Folder:

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joseph.e.hageriii@wv.gov

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(Signature of Authorized Representative)	
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todd@etbarchitects.com	
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E.T. Boggess Architect, Inc.	
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