

July 3, 2018

STATEMENT OF QUALIFICATIONS  
for Architectural / Engineering Services

District 3  
Medina Substation  
for the  
WVDOT - 1800000001

06/29/18 09:59:10  
WV Purchasing Division



E.T. BOGGESS ARCHITECT, INC.



# Letter of Transmittal

6/28/2018

**TO:** Department of Administration, Purchasing Division  
 2019 Washington Street East  
 Charleston, WV 25305

**Project:**  
 DOH D3 Substation

**Atten:** Mark Atkins, Senior Buyer

**Sending Via:**  
 UPS

**Subj:** Qualifications

<b>CODE LEGEND</b>	<input type="checkbox"/> 1. For payment	<input type="checkbox"/> 4. For your signature	<input type="checkbox"/> 7. Send 1 to Contractor
	<input checked="" type="checkbox"/> 2. For your review	<input type="checkbox"/> 5. As requested	<input type="checkbox"/> 8. Return 1 to ETB
	<input checked="" type="checkbox"/> 3. For your files/use	<input type="checkbox"/> 6. Owner keeps 1	<input type="checkbox"/> 9. Office Copy

# of copies	DATE	DESCRIPTION	CODE
		<b>DOT1800000001</b>	
2		Statement of Qualifications - Original	2
1		WV Purchasing Forms - Unbound	3
		(also bound in Section 7 of the proposal)	

**REMARKS:**

**Thank you for this opportunity and we look forward to hearing from you.**

Signed: Todd Boggess, AIA, NCARB, Architect



**ADDENDUM ACKNOWLEDGEMENT FORM**  
**SOLICITATION NO.: CEOI 0803 DOT180000001**

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

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

**Addendum Numbers Received:**

(Check the box next to each addendum received)

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

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

E.T. Boggess Architect, Inc.

\_\_\_\_\_  
Company

  
\_\_\_\_\_  
Authorized Signature


June 28, 2018

\_\_\_\_\_  
Date


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



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

  
\_\_\_\_\_  
(Name, Title) Todd Boggess, President  
\_\_\_\_\_  
(Printed Name and Title) PO Box 727, Princeton, WV 24740  
\_\_\_\_\_  
(Address) (P) 304-425-4491 / (F) 304-425-2028  
\_\_\_\_\_  
(Phone Number) / (Fax Number) etb@etbarchitects.com  
\_\_\_\_\_  
(email address)

**CERTIFICATION AND SIGNATURE:** By signing below, or submitting documentation through wvOASIS, I certify that I have reviewed this Solicitation in its entirety; that I understand the requirements, terms and conditions, and other information contained herein; that this bid, offer or proposal constitutes an offer to the State that cannot be unilaterally withdrawn; that the product or service proposed meets the mandatory requirements contained in the Solicitation for that product or service, unless otherwise stated herein; that the Vendor accepts the terms and conditions contained in the Solicitation, unless otherwise stated herein; that I am submitting this bid, offer or proposal for review and consideration; that I am authorized by the vendor to execute and submit this bid, offer, or proposal, or any documents related thereto on vendor's behalf; that I am authorized to bind the vendor in a contractual relationship; and that to the best of my knowledge, the vendor has properly registered with any State agency that may require registration.

E.T. Boggess Architect, Inc.  
\_\_\_\_\_  
(Company)  
  
\_\_\_\_\_  
(Authorized Signature) (Representative Name, Title) Todd Boggess, President

Todd Boggess, President  
\_\_\_\_\_  
(Printed Name and Title of Authorized Representative)

June 28, 2018  
\_\_\_\_\_  
(Date)

(P) 304-425-4491 / (F) 304-425-2028  
\_\_\_\_\_  
(Phone Number) (Fax Number)

STATE OF WEST VIRGINIA  
Purchasing Division

**PURCHASING AFFIDAVIT**

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

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

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

**DEFINITIONS:**

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

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

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

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

**WITNESS THE FOLLOWING SIGNATURE:**

Vendor's Name: E.T. Boggess Architect, Inc.

Authorized Signature: *E.T. Boggess* Date: June 28, 2018

State of West Virginia

County of Mercer, to-wit:

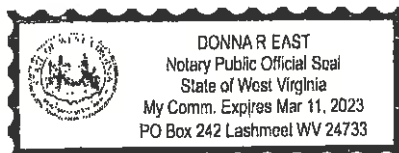
Taken, subscribed, and sworn to before me this 28 day of June, 2018.

My Commission expires March 11, 2023

**AFFIX SEAL HERE**

**NOTARY PUBLIC**

*Donna R. East*



**West Virginia Ethics Commission**  
**Disclosure of Interested Parties to Contracts**

(Required by W. Va. Code § 6D-1-2)

**Contracting Business Entity:** E.T. Boggess Architect, Inc. **Address:** PO Box 727, 101 Rockledge Avenue  
Princeton, WV 24740

**Authorized Agent:** Todd Boggess **Address:** 101 Rockledge Ave., Princeton, WV

**Contract Number:** DOT1800000001 **Contract Description:** D3, New I-77 Medina Substation

**Governmental agency awarding contract:** WVDOH

Check here if this is a Supplemental Disclosure

List the Names of Interested Parties to the contract which are known or reasonably anticipated by the contracting business entity for each category below (attach additional pages if necessary):

**1. Subcontractors or other entities performing work or service under the Contract**

Check here if none, otherwise list entity/individual names below.

Harper Engineering (St. Albans) and EL Robinson (Charleston)

**2. Any person or entity who owns 25% or more of contracting entity (not applicable to publicly traded entities)**

Check here if none, otherwise list entity/individual names below.

Todd Boggess

**3. Any person or entity that facilitated, or negotiated the terms of, the applicable contract (excluding legal services related to the negotiation or drafting of the applicable contract)**

Check here if none, otherwise list entity/individual names below.

Signature:  Date Signed: June 28, 2018

**Notary Verification**

State of West Virginia, County of Mercer:

I, Todd Boggess (Todd Boggess), the authorized agent of the contracting business entity listed above, being duly sworn, acknowledge that the Disclosure herein is being made under oath and under the penalty of perjury.

Taken, sworn to and subscribed before me this 28th day of June, 2018

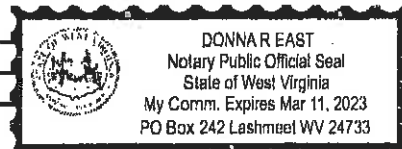
  
Notary Public's Signature

**To be completed by State Agency:**

Date Received by State Agency: \_\_\_\_\_

Date submitted to Ethics Commission: \_\_\_\_\_

Governmental agency submitting Disclosure: \_\_\_\_\_







■ Mark A. Atkins  
Department of Administration, Purchasing Division  
2019 Washington Street East  
Charleston, WV 25305-0130

■ June 28, 2018

REF: DOT1800000001

Dear Mr. Atkins:

In response to your qualifications request for the professional Architectural and Engineering Design services, the E.T. Boggess Architect, Inc. team is pleased to submit information regarding our experience. We will provide the services necessary to accomplish the new I-77 Medina Substation for the WV DOH, District Three. Our team will work with the State of West Virginia, WVDOH/DOT, and designated local representatives to ensure that everyone's vision for the project is achieved.

I will be your architect and will be the person-in-charge for all aspects of the project. Our team combines firms who have successfully accomplished projects for the DOH and are very familiar with your needs. We will join forces to bring the best knowledge and experience to the design process.

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 WVDOH/DOT that needs and project 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,

A handwritten signature in blue ink, appearing to read 'Todd Boggess', is written over a faint, larger version of the signature.

Todd Boggess, AIA, NCARB, Architect  
President

Cover Letter

Qualifications – 1

Approach & Methodology – 2

Firm Profiles – 3

Projects / Prior Experience – 4

Management / Staffing / Resumes – 5

References – 6

West Virginia Purchasing Forms – 7

## INTRODUCTION

The E.T. Boggess Architect, Inc., team understands the challenges facing our entire state as government agencies strive to satisfy the needs of our citizens, especially during these economically difficult times. All of us, businesses and government agencies, have to “get creative” in our approach and to find ways to receive maximize return from the financial resources that are available. Our planning and programming for the City of Princeton’s Municipal Complex, along with our work statewide for the DOH and HEPC, has given us a greater understanding of the issues our government organizations must resolve and how important it is to prioritize goals that will help guide growth and realize opportunities to better serve everyone in our state.

Because in today’s economic climate, every new project in every community is designed with full awareness of the economic challenges we face. Building Committees target improvements that a department or agency needs to operate safely and securely, at the best value for their community. 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.

### **4.1 Goal/Objective 1: To determine the best layout for the Project facility at the new site location.**

ETB has been working with the WVDOH for over twenty years to design facilities throughout the state that bring together services that had previously been scattered throughout the districts, helping them to function more efficiently. The four buildings that comprise these complexes include an Office Building, Maintenance Building/Equipment Shop, Bridge/Sign Shop and a Lab Building. We have successfully accomplished projects for Districts One, Six, Eight, Nine and Ten, including office buildings, maintenance, equipment, and bridge/sign shops. The District Seven Office Building and the D7 Equipment Shop will be completed later this spring.

Site design and development have been major considerations for these projects. Since the various structures have been phased-in, the site plan for the first building should also reflect proposed locations for additional facilities. We are also mindful of circulation and utility needs for these future projections.

**Harper Engineering** was founded in 2008 to provide innovative engineering design services to architects, owners and contractors throughout the State of West Virginia. They possess the talent and resources to provide quality mechanical, electrical, and plumbing design. Their staff utilizes the latest Building Information Modeling (BIM) software to provide the accurate system design with minimal change orders during construction. Their goal is to design optimized systems that meet all of the client’s performance, energy use, and budgetary needs.

The staff at Harper Engineering includes highly trained and skilled professionals and their designs meet the 21st century standards of indoor air-quality, energy use, and fire safety. Their experience includes K-12 schools, hospitals, offices, airports, manufacturing, and water treatment plants.

**E.L. Robinson** will be providing structural and site/civil design services for our team. ELR is a multi-disciplined engineering and planning firm with a staff of over 135 fulltime professionals and support personnel located in nine offices. Over the last 40 years, E.L. Robinson has grown to be one of the most respected firms in the state and region, offering a diverse scope of services. ELR has completed numerous road design projects for the DOH and their experience with our state's terrain will prove very beneficial to our team.

**4.2 Goal/Objective 2: To develop a set of plans and specification for the new Project facility, to be used in the solicitation and award of the construction contract.**

ETB has been developing architectural designs, plans, specifications, estimates and other construction/bidding documents for projects for over 50 years. 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. In addition to being a strong design oriented firm, we offer expertise in communication, construction documentation, construction administration, and quality control.

The ETB team will emphasize the design of a safe, secure, and productive environment that will satisfy the current and future needs of the DOT substation. In addition, our design will comply with all current state and local code requirements.

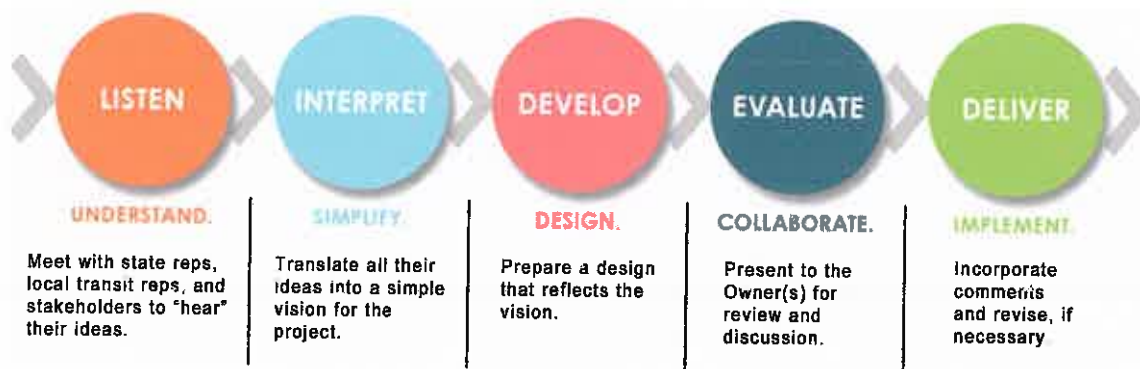
Responsibility Matrix						
Title	Owner DOT	Owner Representative	ETB Project Manager	G.C. Project Manager	Finance Team	Schedule Team
Scope Statement	✓	✓	✓			
Work Breakdown Structure		✓	✓	✓		✓
Budget		✓	✓	✓	✓	
Quality		✓		✓		✓
Change Management Procedures		✓	✓	✓	✓	✓
Change Approvals		✓	✓			

## COMMUNICATION

**Communication, collaboration, and consensus** are the three elements we feel are essential to the planning, design and building process. The architect is responsible for the finished product, but the design process must include guidance and review by the State of West Virginia and representatives from the WV DOT. Our goal is to develop a “partnership” with our clients – a relationship that includes a long-term commitment, trust, and shared vision.

ETB believes architectural design should be an interactive process. 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, creating an aesthetically distinctive facility that blends into the Bluefield Depot District. Our approach is not only about us and our ideas . . . it is about *you and your ideas*.

Although there are more ways than ever to communicate these days, the art of listening continues to be a challenge. If your message is not being heard and understood, then communication has failed. Our cycle of communication is best depicted by the image below and this procedure is repeated throughout the design and construction process.



## PROJECT BUDGET and CONSTRUCTION

According to a study from KPMG, just 31% of all projects came within 10% of the budget in the past 3 years. This is a challenging situation that our entire country is facing, not just West Virginia. While it is the goal of the A/E design team to design a facility within the established budget by thoroughly investigating the cost of materials and labor and utilizing the costs of past projects, there are a number of items that are simply beyond our control. For example, a hurricane in the Gulf of Mexico can raise the cost of gasoline in West Virginia a great deal before it does any actual damage. That raises the cost of moving men and materials and can dramatically affect any project costs that are currently advertised for bids. Even though the project budget was examined within the past few months, the numbers may be skewed due to recent developments.

The first step in maintaining a project budget is to make sure the budget represents an achievable goal. This is where honest, open *communication* between the Owner and design team is important. Unfortunately, Owners are often told their budget is realistic in order for the project to proceed. We believe that the management of costs and/or risks begins with the development of fully vetted alternatives which enable you to make informed choices about the project. We search for simple and effective solutions. The evaluation of cost must extend beyond the costs of construction, and consider the costs of operations, human resources, energy and sustainability.

If the project we have designed for you bids over-budget, our preferred method to ensure the project moves forward is *value engineering*. We will work with the Owner and apparent low bidder to adjust and/or modify materials, quantities, and spaces, as necessary, in order for the facility to be constructed. We believe value engineering is a much more effective approach than re-design/re-bid. An excellent example of value engineering at its best was the New River Community & Technical College Headquarters (located near Beckley) which we designed for the C&TCS of WV. After the original bid exceeded the budget, value engineering enabled the project to proceed with construction and, ultimately, come in on-budget and on-schedule.

## CONSTRUCTION PERIOD

The first step in maintaining a project construction schedule is to, once again, make sure the schedule is realistic. Early in the process, *communication* between the Owner and Architect will establish both the anticipated time to accomplish the design as well as a realistic timeframe for construction to be completed. As always, there will be surprises along the way that may affect progress, but keeping open communication between all parties will lead to a more successful project.

ETB currently has three projects under construction, WVDOH D7 Office Building, WVDOH D7 Equipment Shop, and Greenville Senior Living. All three are expected to be completed on-time. In the past five years, all but two of our projects were completed within a few weeks of the projected schedule.

There are options available to the Owner if you wish to incorporate a penalty into the contract for failure to meet a project deadline, and, if time is of the essence, a bonus could be included if construction is completed ahead of time. However, ETB believes it is in the best interest of the project to work together, especially during the construction phase, to ensure a project's successful completion. Maintaining a "team" approach is much more effective than an "us versus them" scenario.

## APPROACH

Our approach to the D3 Substation for the WV DOT will begin with an examination of the program and a review of the existing facility. 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
- Suggest adjacencies that can improve work flow, if necessary
- Identify best access, site circulation and parking – for both employees and DOT vehicles
- Identify any Code issues to ensure compliance
- Estimate the timing, phasing and projected costs

## METHOD for MEETING GOALS

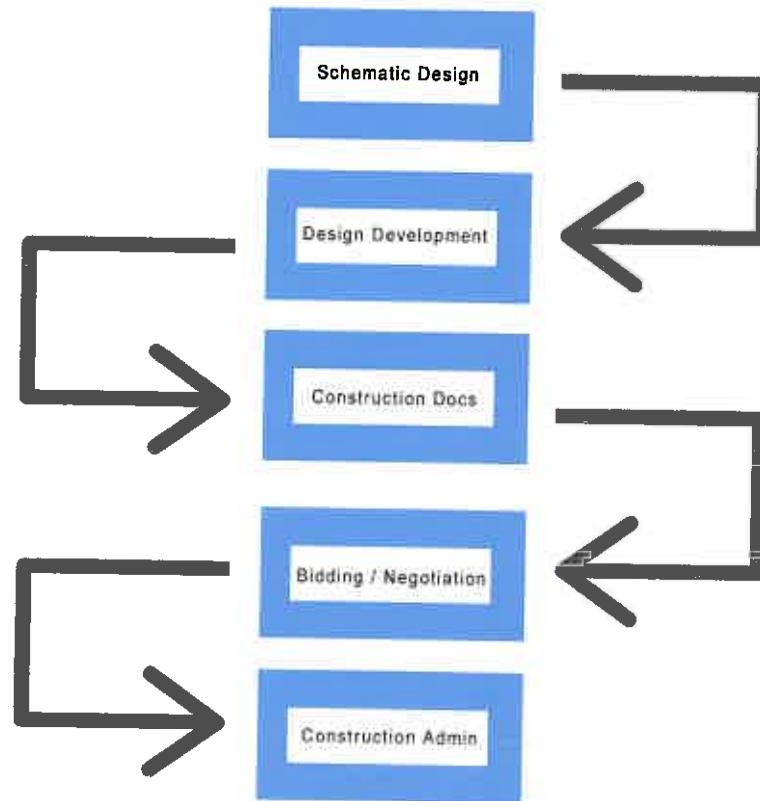
**The Integrated Design Process** is our process of design in which the owners, users and the ETB team (architects and engineers) are all integral team members. This integrated process and the implementation of high performance design requires both efficiency and innovation. In our role with this team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

ETB will emphasize the following throughout your project:

- **Understanding goals.** We review your established goals and provide input into areas as needed.
- **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 welcome Owner input at closeout and review how well time, cost, and design goals were met.

## PHASES of WORK

The professional services outlined in this proposal will be accomplished in five sequential phases as outlined below.



**Schematic Design Phase** - The schematic design documents will establish the general scope and conceptual design for 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.

**Design Development Phase** - Services in the design development phase are structured to achieve the refinement and coordination necessary for a polished work of architecture. During this phase, 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.

**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.



**Bidding / Negotiation 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.

**Construction Phase / Contract Administration Services** - Contract administration services are important in order to ensure construction conforms to construction documents; to support the design intent; to lessen project risks; to identify and resolve construction problems early; and assist you in understanding the construction process. The architect, serving as a construction administrator, observes construction for conformity to construction drawings and specifications.

ETB has worked on numerous buildings for the DOH and are confident our experience and understanding of your needs will translate into a design that satisfies all your goals and objectives. Those buildings have included office buildings, equipment shops (previously called maintenance buildings), bridge & sign shop and laboratories. Since the first complex was designed for D-10 over twenty years ago, we have refined and improved our design and documentation. Depending on the specific site for each district, we adapt our documents as needed. We have also revised drawings and specification as some codes have changed over the years. As the DOH has selected and required new equipment for the shops, our designs have addressed these equipment changes as well.



## QUALITY MEASURES

**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*

**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 with regularly scheduled project meetings
- 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 – *Be Proactive*
- Provide post construction administration services to be utilized on future projects
- Every project or opportunity can be a learning experience for continued growth to better serve clients

## HISTORY

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 has been both exciting and rewarding as the practice continues to flourish and evolve.



Experience

Integrity



Quality

Service



## REPUTATION

Our firm lives or dies by its reputation. We have cultivated a team that 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.

The architects at ETB are well-respected for their high ethical standards, as well as professional and civic activities. They have been asked to serve as expert witnesses and arbitrators in legal disputes. They have also been selected to serve on various local, state and national committees. These committees cover areas from determining local zoning ordinances to reviewing and developing educational requirements for future architects, to preserving West Virginia's historic architecture. In 2014, Todd was appointed to the WV Board of Architects by Governor Tomblin. The Board of Architects protects the life, health, and property of the people of the State of West Virginia by ensuring that proper architecture practices are used in the state.

## SIZE

Bigger is not always better. ETB has purposely controlled size in order to maintain personal involvement and quality control. 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. 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.

## TEAMWORK

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. ETB has worked with many of the 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 on-site inspections during construction.

## EXPERIENCE

Over the past 52 years, ETB has accomplished many different types of buildings in 12 different states and 1 foreign country. We have not limited ourselves by focusing on one particular type of project or a single location. Instead, we choose to maintain a diverse practice which allows us to begin each project with renewed enthusiasm. Our range of project types have helped us develop a broad knowledge base

ETB was one of the first architectural firms in the state to implement the use of computer-aided design and drafting into the everyday practice of architecture more than thirty-five years ago. Today we continue to implement current technology as we have become very efficient with photorealistic imagery through computer modeling and digital photography. The building 3-D model and associated imagery can be developed early in the design process for presentations. This helps everyone better understand design approaches and project contextual relationships within a setting.

Our firm has a great deal of experience creating graphic imagery as well as presenting the information to government agencies and the general public. Recent projects for the WV Higher Education and Policy Commission, the WV School Building Authority, as well as county school systems, have required us to generate imagery and create powerpoint presentations. This is just another step in the process of moving your projects forward and we are anxious to work with you to obtain the necessary approvals.

## SCHEDULES & BUDGETS

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. Some of our most recent projects, especially for state agencies, have presented us with very rigorous scheduling goals. Our team will do everything within our power to ensure the project stays within budget and on schedule. We will work with the general contractor to provide him with the information he needs as quickly as possible. As mentioned earlier, the key to addressing problems during construction will be **communication, collaboration, and consensus.**





## Mechanical, Electrical, and Plumbing Engineering

Harper Engineering, PLLC has the talent and resources to provide quality mechanical, electrical, and plumbing design. Our staff utilizes the latest building information modeling (BIM) software to provide the accurate system designs with minimal change orders during construction.

Our goal is to design optimized systems that meet all of our client's performance, energy use, and budgetary needs.

The staff at Harper Engineering, PLLC has over 100 years of experience working with clients in a variety of fields including, but not limited to, K-12 schools, hospitals, offices, airports, manufacturing, multi-family housing, and Design/Build.

The following is a partial listing of projects that demonstrate Harper Engineering's mechanical, electrical, and plumbing design experience:

- South Charleston Fire Station No. 1
- Chapmanville Intermediate School
- Franklin Elementary School - Design/Build Criteria Developer
- Additions to Holden Elementary School
- Williamson Coal House
- River Ridge Church- Hurricane
- Seneca Village Housing
- Beckley VA Parking Garage
- West Virginia Department of Highways
  - SRC Office Building Renovation
  - Weigh Stations
  - Highway Lighting
- Mason County Sheriff's Office Renovation
- Stonerise Nursing Homes (Multiple Projects)
- Boone County Courthouse Annex
- City of Charleston Fire Station No. 3
- A New Ronald McDonald House for Southern West Virginia
- North Central West Virginia Airport (Multiple Projects)
- Yeager Airport Security
- CAMC Hospitals (Multiple Projects)

E.L. Robinson is a multi-disciplined engineering and planning firm with a staff of over 135 full-time professionals and support personnel located in nine offices throughout West Virginia (Charleston, Beckley, Bridgeport, and Chapmanville), Ohio (Little Hocking, Columbus, Cleveland, and Ironton), and Kentucky. Over the last 39 years, E.L. Robinson has grown to be one of the most respected firms in the region, offering a diverse scope of services. E.L. Robinson provides a full range of quality engineering services, from planning and analysis to design and implementation.

Named for its founder and president, Edward L. Robinson, P.E., P.S., ELR has based its success on a commitment to quality projects and superior client service. Finding new and creative ways to say yes to challenges has brought our vision of excellence into reality. Along with this “yes, we can do it” attitude, the firm has grown to understand the ingredients of a professional service firm include not only brick and mortar, but also leading edge technology and a talented, motivated staff that is continually growing and advancing their skills. This dedication rewarded ELR with being named one of the Engineering News Record’s top 500 engineering firms in the country.

The use of technology has allowed ELR to expand engineering capabilities and make use of new resources such as satellite imagery and digital mapping. In addition to the use of technology, E.L. Robinson also continues to strive to invent new and more effective ways to serve our clients. One of these ways is to provide a thorough pre-analysis of every project, saving the client time, money, and legal exposure. When the client is educated on every phase of the job and every challenge, the reputation of the firm grows stronger and attracts business from a larger marketplace.

E.L. Robinson has been providing its clients with quality products and superior service since 1978. Our staff combines state-of-the-art technology, experienced professionals, and innovative methods to help our clients meet their challenges in the following disciplines:

- Site Development
- Infrastructure
- Transportation
- Bridge Design
- Structural Engineering
- Geotechnical Engineering
- Environmental Engineering
- Right-of-Way Services
- Construction Administration/Observation
- Surveying/Global Positioning
- Landscape Architecture

This section contains the following Project / Experience Information:

**WV DOH District One**

**WV DOH District Six**

**WV DOH District Seven**

**WV DOH District Eight**

**WV DOH District Nine**

**WV DOH District Ten**

**WV ARNG Readiness Center**

**WV ARNG Maintenance Building**

**Princeton Rescue Squad Multi-Use Building**

**Municipal Complex for the City of Princeton**

# WV DOH DISTRICT ONE OFFICE BUILDING

Charleston, WV

## PROJECT DETAILS

owner/district:  
WV DOH

year:  
2014

size:  
27,791 sf



District 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 new buildings are being phased-in throughout the state. At this time, the following projects have been completed:

District Six  
Office Building  
Maintenance Building  
Bridge & Sign Shop

District Eight  
Equipment Shop

District Nine  
Office Building

District Ten  
Entire Complex





# 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 and Equipment Shop (under construction)

District Eight Equipment Shop

District Nine Office Building

District Ten Entire Complex



# 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 are both under construction. 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 accommodate 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

District Ten  
Entire Complex

# 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 accommodate 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 Nine  
Office Building

District Ten  
Entire Complex

District Seven  
Office Building  
Equipment Shop  
(under construction)

# 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, Maintenance, Bridge/Sign

District Eight  
Equipment Shop

District Nine  
Office Building

District Ten  
Entire Complex



# 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 Eight  
Equipment Shop

District Nine  
Office Building



Bridge &  
Sign Shop



Equipment  
Maintenance  
Shop



District Seven  
Office Building &  
Equipment Shop  
will be underconstruction  
by end of 2018

# 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 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

# PRINCETON RESCUE SQUAD MULTI-USE BUILDING

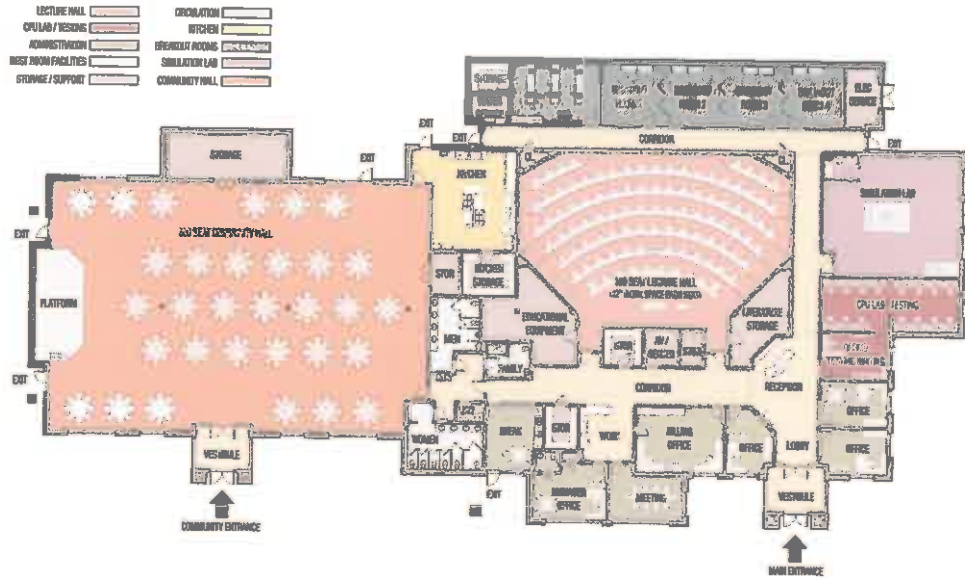
Princeton, WV

## PROJECT DETAILS

owner/district:  
Princeton Rescue Squad

year:  
2018

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 emergency responders throughout the region, as well as provide for standard professional testing classrooms. The community center will be available for a variety of gatherings and activities. The facility can also feed a large number of emergency responders should the need ever arise.





# MUNICIPAL COMPLEX

Princeton, WV

## PROJECT DETAILS

owner/district:  
City of Princeton

year:  
2018

size:  
272,902 sf  
37.5 acres

Existing Structures



The former Dean Company Property is being considered as the new location for a multi-functional governmental complex. ETB designed a master plan that incorporated administrative offices, fire department, police department, public works, a recreational center and nautical center. This new hub will also be home to maker spaces, leasable space for large business ventures and a multi-sport outdoor facility for travel sports - baseball, softball and soccer. Outdoor amenities may include a skate park, family pavilions and running / walking paths.







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## **Recent Public Works Buildings**

### **New Bus Garage**

HVAC, Plumbing, Sprinkler, Electrical and Fire Alarm design for a new 5,900 sq. ft. bus garage in West Union, WV.

### **Public Works Building**

HVAC, Plumbing, Sprinkler, Electrical and Fire Alarm design for a new 4,500 sq. ft. bus garage in Romney, WV.

### **Energy Corporation of America**

HVAC, Plumbing, Electrical, Fire Alarm and Sprinkler design for a 60,000 sq. ft. office located in Charleston, WV.

### **St. Albans Armory Storage Building**

HVAC, Plumbing, Electrical and Fire Alarm design for a 3,000 sq. ft. storage building.

### **WV Veterans Home Barboursville**

Electrical design for a new 1,000 sq. ft. storage building.

### **WV DOH Weigh Station**

HVAC, Plumbing and Electrical design for a new 885 sq. ft. weigh stations to replace existing weigh stations in Putnam County.

### **Dominion Gas Office Building**

HVAC, Plumbing, Electrical, Fire Alarm and Sprinkler design for a 20,000 sq. ft. office located in Clarksburg, WV.

### **Beckley VA Parking Garage**

HVAC, Plumbing, Electrical and Fire Alarm design for a new 4-story parking garage.

### **W. Kent Carper Justice and Public Safety Complex**

HVAC, Plumbing, Electrical, Fire Alarm and Sprinkler design for a renovations to a 62,400 sq. ft. Justice and Public Safety Complex.

### **WV Department of Highways SRC Office Building**

HVAC, Plumbing, Electrical, Fire Alarm and Sprinkler design for a renovations to a 39,400 sq. ft. addition and renovation to existing office building in Charleston, WV.



## **Recent Public Works Buildings (continued)**

### **Office Addition to Boone County Courthouse Annex**

HVAC, Plumbing, Electrical, Fire Alarm and Sprinkler design for a 20,400 sq. ft. addition and renovation to Boone County Courthouse Annex.

### **Fayette County 911 Emergency Communication Center**

Provided mechanical, electrical, and plumbing services for the new 911 Emergency and Communications Center. Project utilized energy efficient water heating system, strategic lightings to reduce screen glare, diesel emergency generator and automatic transfer switch, and a dual action sprinkler system.

### **Wayne County 911 Emergency Communication Center**

Mechanical, Electrical and Plumbing services for the new 911 Emergency and Communications Center. Project utilized energy efficient water heating system, strategic lighting to reduce screen glare, diesel emergency generator and automatic transfer switch, and dual action sprinkler system.

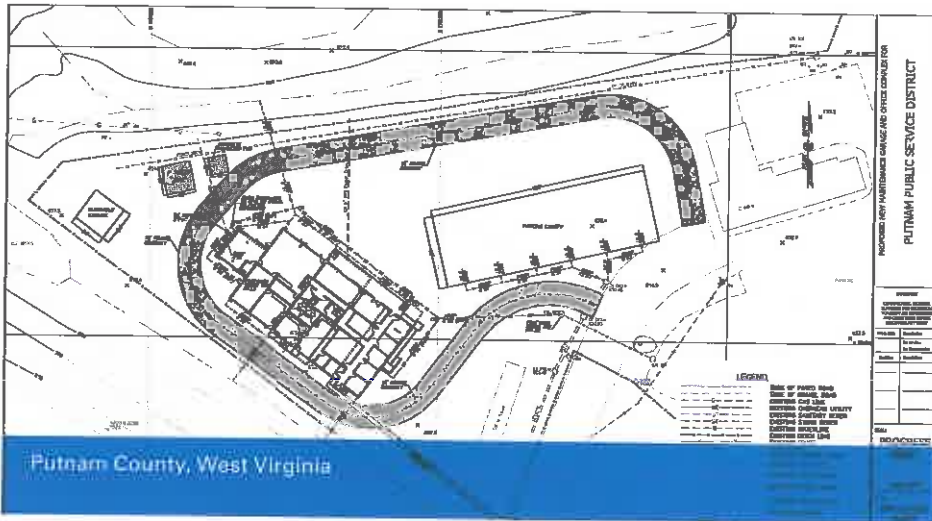
### **South Charleston Fire Station #1**

Mechanical, Electrical, and Plumbing services for the new 10,000 sq. ft. Fire Station located in downtown South Charleston, WV.

### **Charleston Fire Station #3**

Mechanical, Electrical, and Plumbing services for the new 6,400 sq. ft. Fire Station located in Oakwood Road in Charleston, WV.

## Putnam PSD Maintenance Facility



**CLIENT:**  
Putnam PSD

**COMPLETION DATE:**  
2009

**PROJECT COST:**  
\$1.5 Million

**OUR ROLE:**  
Design Engineer, Inspection, Re-  
view of Shop Drawings, and Final  
Inspection

E.L. Robinson Engineering worked with Associated Architects to develop plans and specifications for the new Putnam PSD Maintenance Facility. The building designed for the project included an office, garage, shop facility, storage building and a vehicle storage building. The contract was awarded in January 2008. The facility was completed in January 2009.



## Mingo County 911 Center



**CLIENT:**  
Mingo County Commission

**COMPLETION DATE:**  
2000

**PROJECT COST:**  
\$500,000

**OUR ROLE:**  
Planning, design, and construction management

ELR served as the prime design consultant providing the following services:

Our team converted an existing garage with limited office space at Mingo County Airport into new office space for the new county 911 center.

Provided specifications for all the required 911 equipment and electronics.

Updated 3 tower sites within the county with new antennas and equipment.

ELR attended construction meetings for a pre-bid meeting, a bid-opening meeting, pre-construction meeting, two construction observation visits per month during construction, one substantial completion observation, punch list development and final inspection.

Prepared all the necessary permitting for project construction.



## Putnam County 911 Command Center and EMS Garage



**CLIENT:**  
Putnam County Commission

**COMPLETION DATE:**  
2009

**PROJECT COST:**  
\$3.4 Million

**OUR ROLE:**  
Topography survey, geo-technical, structural, site/civil engineering, construction observation and administration

ELR served as the prime design consultant providing the following services:


Provided field visitations as necessary to complete preliminary sit/civil engineering and the preparation of bid documents which included a site layout, grading, storm drainage plan, and utilities plan.

Provided structural plans and construction documents for architectural floor plans, building elevations, and sections for the proposed facility. Plumbing, Mechanical, and Electrical were also provided as a part of subconsultants' role.

Provided construction specifications for the proposed facilities including architectural, plumbing, sprinkler, HVAC, electrical, fire alarm, security, data and telephone (rough-in only) and associated electrical systems, structural, and civil specifications as a part of the project.

Reviewed required contractor shop drawings and provide coordination for the contractor in answering any design clarification questions during construction.

Attended construction meetings for a pre-bid meeting, a bid-opening meeting, pre-construction meeting, two construction observation visits per month during construction, one substantial completion observation, punch list development and final inspection.

 Prepared all the necessary permitting for project construction

## Mason County 911 Center



**CLIENT:**  
Mason County Commission

**COMPLETION DATE:**  
2008

**PROJECT COST:**  
\$1.7 Million

**OUR ROLE:**  
Environmental assessment, topography and boundary survey, geo-technical, structural, site/civil engineering, construction observation and administration

ELR served as the prime design consultant providing the following services:

Provided field visitations as necessary to complete preliminary sit/civil engineering and the preparation of bid documents which included a site layout, grading, storm drainage plan, and utilities plan.

Provided structural plans and construction documents for architectural floor plans, building elevations, and sections for the proposed facility

Provided construction specifications for the proposed facilities including architectural, plumbing, sprinkler, HVAC, electrical, fire alarm, security, data and telephone (rough-in only) and associated electrical systems, structural, and civil specifications as a part of the project.

Reviewed required contractor shop drawings and provide coordination for the contractor in answering any design clarification questions during construction.

Attended construction meetings for a pre-bid meeting, a bid-opening meeting, pre-construction meeting, two construction observation visits per month during construction, one substantial completion observation, punch list development and final inspection.

 Prepared all the necessary permitting for project construction.



## Wetzel County 911 Center



**CLIENT:**  
Wetzel County Commission

**COMPLETION DATE:**  
2009

**PROJECT COST:**  
\$3 Million

**OUR ROLE:**  
Environmental assessment, topography and boundary survey, geo-technical, structural, site/civil engineering, construction observation and administration

ELR served as the prime design consultant providing the following services:

Provided boundary and topographical mapping for the proposed one acre site. Completed exploratory borings and soil samples for a geotechnical report

Provided field visitations as necessary to complete preliminary sit/civil engineering and the preparation of bid documents which included a site layout, grading, storm drainage plan, utilities plan and structural plan

Provided construction documents for architectural floor plans, building elevations, and sections for the proposed facility. Plumbing, Mechanical, and Electrical were also provided as a part of subconsultants' role.

Provided construction specifications for the proposed facilities including architectural, plumbing, sprinkler, HVAC, electrical, fire alarm, security, data and telephone (rough-in only) and associated electrical systems, structural, and civil specifications as a part of the project.

Reviewed required contractor shop drawings and provide coordination for the contractor in answering any design clarification questions during construction.



Experience  
Roadway



## US 35 Design Build Project



**CLIENT:**

West Virginia Department of  
Transportation- Division of Highways

**COMPLETION DATE:**

2009

**OUR ROLE:**

Design

EL Robinson Engineering Co. teamed with Kokosing Construction for the first design build project for the West Virginia Department of Highways for the US Route 35 highway project. The project extended from WV 34 to Putnam CR 19 in Putnam County. The project consisted of approximately 6.29 miles of new four lane divided highway, an interchange with Interstate 64, approximately 3.34 miles of side road access and two sets of mainline structures. The bid price was \$73,819,000 and was approximately \$30 million under the next bidder. One of the reasons that the bid price was substantially lower was due to EL Robinson Engineering Co's design. The original quantity of excavation was expected to be 11 million cubic yards, but was able to be reduced 3 million cubic yards due to innovation. Additional benefits from this reduced excavation include less impact on the topography and environment.

In order to meet the construction timetable, the design phase needed to be completed in four months. The design schedule followed the contractor's CPM schedule, which permitted construction crews to begin the massive excavation task the day after notice to proceed was issued by the West Virginia Department of Highways. The project involved moving approximately 8,000,000 cubic yards of earth and placement of 290,000 square yards of non-reinforced Portland, along with several large size drainage structures. To accomplish this task in the time frame needed, both day and night crews were utilized.

Experience  
Roadway



## Corridor H - Kerens to Parsons Design Build



**CLIENT:**  
West Virginia Department of  
Transportation- Division of Highways

**COMPLETION DATE:**  
Current

**OUR ROLE:**  
Design

E.L Robinson Engineering Company is currently teamed up with Kokosing Construction Company to design and construct over 7.6 miles of 4-lane divided highway, known as Corridor H, in Randolph and Tucker Counties. This project comes at a cost of approximately \$210 million.

Experience  
Roadway



## US Route 35 Alignment Study



**CLIENT:**  
West Virginia Department of  
Transportation- Division of Highways

**COMPLETION DATE:**  
2006

**OUR ROLE:**  
Design

This project involved the study and preparation of a feasibility study for a segment of US Route 35. The study began near the Buffalo Bridge, adjoining the section designed by HNTB, and ran north for approximately 21 miles to the end of the existing four-lane at Coast Guard Station. Three alternative alignments were compared within the study limits. Alternate 1 was the approved relocated US 35 alignment was being designed at the time of the study by R.D Zande, E.L. Robinson, MS Consultants and Qk4, in addition to the alignment presented in a Niles & Associates study. This alignment was studied using both a 46-foot wide median and a 10-foot median with barrier. Alternate 2's alignment generally followed existing US Route 35. Alternate 3 was a variation of Alternate 2 that was designed to miss the historic properties of the General John McCausland House, Woodlawn Farm/John Morgan Farm, Maplewood Farm, Bill Newman House, Morgan's Mt. Vernon Farm, most of the John McCausland Memorial Farm, Eastham Farm and Alex McCulloch Farm. Alternates 2 and 3 were studied using a typical section with four lanes and a 10-foot median with barrier and, where required, a 22' median for turning lane movements. At-grade intersections and underpass structures were provided along all alignment alternatives, with special consideration being given to existing county route junctures. Also, while looking at each alignment alternative, consideration was given to environmentally sensitive areas such as wetlands, historic sites, and hazardous material sites. All mainline vertical alignments were set such that entire section being designed had a profile grade that was at least 2 feet above the 100-year flood plain, as determined by FIRM data.

Experience  
Roadway



## Jefferson Road Widening Study



**CLIENT:**  
West Virginia Department of  
Transportation- Division of Highways

**COMPLETION DATE:**  
2013

**OUR ROLE:**  
Design

ELR performed a study on a major choke point in the highway system in South Charleston, WV. Jefferson Road is a very heavily traveled roadway that provides access from MacCorkle Avenue US Route 60 to Corridor G US Route 119. The roadway intersects many residential and business driveways, a CSX Railroad crossing as well as a major thoroughfare, the Kanawha Turnpike. A traffic signal is located at the railroad crossing and at MacCorkle Avenue. ELR's study provided the State of West Virginia with recommendations on changes to the intersections, road widening and other features to enhance traffic movement.

## Miller Mountain Water Main Extension Phase I



**Project Location:** Webster County, West Virginia

**Client:** Webster County Economic Development Authority

**Project Description:** This project provided water service via West Virginia American Water to approximately 82 residential and small commercial customers in the surrounding areas. The construction included a water main, two booster stations, one 163,000 gallon storage, one 15,000 gallons transfer tank, fire hydrants, valves, and other related appurtenances.

**Cost:** \$2,500,000

## Miller Mountain Water Main Extension Phase II



**Project Location:** Webster County, West Virginia

**Client:** Webster County Economic Development Authority

**Project Description:** Project consisted of providing water service via West Virginia American Water to approximately 14 residential and small commercial customers in the surrounding areas. Also included construction of a water main, one pressure reducing station, fire hydrants, valves, and other related appurtenances.

**Cost:** \$1,000,000



## Bergoo Wastewater Collection and Treatment System



**Project Location:** Webster County, West Virginia

**Client:** Webster Springs PSD

**Project Description:** This project includes providing sewage collection and treatment system for 51 residences in the community of Bergoo. The system will include 4,600 feet of gravity line, 4,300 linear feet of force main, five pump stations and a small treatment plant

**Cost:** \$2,692,500



## Management & Staffing Plan

**Todd Boggess** is President of E.T. Boggess Architect, Inc., and will serve as the design team leader. Todd will be the architect-of-record and will be assisted by . . .

**Stephen Mackey** is responsible for design, code review, project programming, and research standards review.

**Nathan Turner** will be the project manager responsible for coordinating all project information amongst the team.

**Dale East** will be managing the construction documentation and, along with Mr. Mackey, they will be generating the design and construction approach to realize the project.

**Chris Canterbury** is ETB's construction contract administration manager. With over 18 years of CA experience, Chris' knowledge and background of all building systems has been an invaluable asset to our team. Nathan Turner, as project manager, and Todd Boggess also remain very active during the CA phase to help ensure the design intent is realized.

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.

Resumes for our design team, including

**E.L. Robinson** – Structural and Site/Civil

and

**Harper Engineering** – Mechanical/Electrical/Plumbing/HVAC

can be found on the following pages.

**Todd Boggess, AIA, NCARB, Architect**  
*President*



## 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 is responsible for . . .

- architectural design and development
- site planning
- computer generated imagery & visualization
- project management and coordination
- contract negotiations
- business development and marketing

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

West Virginia Board of Architects (since 2014) – Governor Tomblin 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.

Princeton Zoning Board of Appeals (since 2000) – Todd has been asked to serve on this local committee for the past 18 years. He currently serves as vice-chair. The board is responsible for reviewing and ruling on appeals to the existing Princeton Zoning Laws.

## PROJECTS

- WVDH District 10 Headquarters Complex, Gardner, WV
  - Office Building
  - Maintenance Building
  - Bridge & Sign Shop
  - Laboratory
- WVDH District 6 Headquarters Complex, Moundsville, WV
  - Office Building
  - Maintenance Building
  - Bridge & Sign Shop
- WVDH District 9 Office Building, Lewisburg, WV
- WVDH District 1 Office Building, Charleston, WV
- WVDH District 8 Equipment Shop, Elkins, WV
- WVDH District 7 Headquarters Complex, Weston, WV
  - Office Building
  - Equipment Shop
- WARNG Readiness Center, Elkins, WV
- WARNG Maintenance Building, Elkins, WV
- WARNG Coonskin Joint Facilities (*Exterior Renovation*), Charleston, WV
- Princeton Rescue Squad Multi-Use Building, Princeton, WV
- Municipal Complex for the City of Princeton (*Adaptive re-use*), including
  - Administrative
  - Police
  - Fire
  - Public services
  - Recreation

## AWARDS

- WVAIA "Honor Award" for Renovation Design of the Princeton Public Library – April 2012
- Princeton/Mercer County Chamber of Commerce "Excel Award" – January, 2011
- *West Virginia Executive Magazine's* "Young Guns" - Fall, 2003
- Princeton/Mercer County Chamber of Commerce "Citizen of the Year - 2000"
- Princeton Elks Club "Citizen of the Year - 2000"

Stephen Mackey  
*Planning & Design*



## 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 a number of large educational projects. Specific project responsibilities include:

- code review and analysis
- program development
- conceptual design
- design visualization
- project coordination
- construction specifications

## PROJECTS

Mr. Mackey rejoined ETB Architects in 2009 after serving as Executive Vice President for two architectural firms in Florida. During his absence, Mr. Mackey also served as project manager on several large governmental projects in the state of Florida, including military facilities.

- WVDOH District 7 Headquarters Complex, Weston, WV
  - Office Building
  - Equipment Shop
- Princeton Rescue Squad Multi-Use Building, Princeton, WV
- Municipal Complex for the City of Princeton (*Adaptive re-use*), including
  - Administrative
  - Police
  - Fire
  - Public services
  - Recreation
- Summit Bechtel Family National Scout Reserve, Mt. Hope, WV

Nathan Turner, LEED G.A.  
Project Manager



## EDUCATION

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

## RESPONSIBILITIES

Mr. Turner joined ETB in 2009 and brought with him a wealth of experience in architectural design, as well as construction methods and practices. His prior experience with educational facilities proved extremely valuable as we had several elementary, middle, and high school projects at various stages of completion. Nathan has obtained LEED certification and will assist in our efforts to provide a “green” approach to as many projects as possible.

Specific project responsibilities include:

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

## PROJECTS

- WVDOH District 7 Headquarters Complex, Weston, WV
  - Office Building
  - Equipment Shop
- Princeton Rescue Squad Multi-Use Building, Princeton, WV
- Municipal Complex for the City of Princeton (*Adaptive re-use*), including
  - Administrative
  - Police
  - Fire
  - Public services
  - Recreation
- Summit Bechtel Family National Scout Reserve, Mt. Hope, WV

Dale East  
*Production Management*



## EDUCATION

- Bachelor of Science - Architectural Engineering  
 Bluefield State College

## RESPONSIBILITIES

Mr. East is an architectural intern with 15 years of experience who joined ETB in November of 2013. Prior to returning to Princeton, his work at architectural firms in Tennessee allowed him to manage projects from New Jersey to Atlanta, ranging from educational facilities to zoological exhibits. Dale 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:

- 3D modeling
- graphics/imagery
- construction documentation
- project coordination

## PROJECTS

- WVDOH District 7 Headquarters Complex, Weston, WV
  - Office Building
  - Equipment Shop
- Princeton Rescue Squad Multi-Use Building, Princeton, WV
- Municipal Complex for the City of Princeton (*Adaptive re-use*), including
  - Administrative
  - Police
  - Fire
  - Public services
  - Recreation
- WVARNG Coonskin Joint Facilities (*Exterior Renovation*), Charleston, WV
- Bill Cole Automall Used Cars (*Renovations*), Green Valley, WV
- Ramey Chevy (*Renovations*), Green Valley, WV
- Ramey Toyota (*Addition & Renovations*), Green Valley, WV

**Chris Canterbury, Associate AIA**  
*Construction Administration Manager*



## EDUCATION

- Bachelor of Science Engineering Technology/Architecture, Fairmont State University

## RESPONSIBILITIES

Chris joined ETB in 2000 as a CADD Technician. His focus in recent years has been project administration and his current position of Construction Administration Manager reflects that area of expertise. Your project will benefit from his superb organizational skills. He attends meetings and keeps track of your needs and wishes. His timely response to submittals will ensure that your project stays on its construction schedule.

Chris is responsible for . . .

- construction administration
- organizing and attending meetings
- coordination with material suppliers
- responding to contractor's requests for information
- reviewing submittals and shop drawings
- site visits/observations

## PROJECTS

- WVDOT Buildings – multiple types/locations
  - District 9 Office Building                      Lewisburg
  - District 1 Office Building                      Charleston
  - District 8 Equipment Shop                      Elkins
  - District 7 Office Building & Equipment Shop                      Weston
  - District 6 Maintenance Building, Bridge & Sign Shop                      Moundsville
- Bill Cole Automall Used Cars (*Renovations*), Green Valley, WV
- Ramey Chevy (*Renovations*), Green Valley, WV
- Ramey Toyota (*Addition & Renovations*), Green Valley, WV
- Municipal Complex for the City of Princeton (*Adaptive re-use*), including
  - Administrative
  - Police
  - Fire
  - Public services
  - Recreation

# The West Virginia Board of Architects

certifies that

TODD E BOGGESS

is registered and authorized to practice  
Architecture in the State of West Virginia.

In testimony whereof this certificate has been issued  
by the authority of this board.

Certificate Number [REDACTED]

*The registration is in good standing until June 30, 2019.*



A rectangular box containing a handwritten signature in cursive script, which appears to read "Emily Padgugale".

Board Administrator





## Experience

Mr. Harper brings 16 years of design experience to the firm. He has expertise with HVAC, electrical, plumbing, sprinkler and fire alarm system designs. His projects include educational facilities (including colleges and universities), health care facilities, office buildings, banks, emergency services facilities, postal facilities, and government buildings.

Mr. Harper's role with the firm includes, but is not limited to, office manager, project manager, draftsman, and Building Information Modeling coordinator. He oversees projects from the early design phase through construction administration to post construction. He assists the project architect and design team with valuable mechanical, electrical, and plumbing information early in the project to ensure it is adequately designed to handle the client's needs.

## Projects

HVAC Additions to Taylor County Middle School  
Poca High School Elevator Addition  
Chapmanville Intermediate School  
Burch PK-8 School  
Lewis County Transportation Facility  
HVAC Renovations to Tucker County High School  
South Preston PK8 School  
Arnoldsburg Elementary School  
Additions and Renovation to Geary School  
Tunnelton Denver Elementary School  
HVAC Systems Renovations to  
Upshur County Elementary Schools  
Additions and Renovations to Flinn Elementary



## Registration/Professional Affiliations

Professional Engineer WV - [REDACTED]  
American Society of Heating, Refrigeration and Air-  
Conditioning Engineers - [REDACTED]  
National Fire Protection Association - [REDACTED]

## Education

West Virginia University Institute of Technology  
Bachelor of Science - Mechanical Engineering



## Experience

Mr. King brings 14 years of electrical design experience and over 11 years of electrical construction/maintenance experience to the firm. His projects include educational facilities (including colleges and universities), health care facilities, office buildings, banks, emergency services facilities, government buildings, and industrial projects.

Mr. King's role with the firm includes, but is not limited to, project manager, draftsman, specification writer and construction administration. He oversees projects from the early design phase to post construction. He assists the project architect and design team with valuable electrical information early in the project to ensure it is adequately designed to handle the client's needs.

## Projects

FedEx Freight - 32 Bay Expansion  
Arnoldsburg Elementary School  
Chapmanville Intermediate School  
South Charleston Fire Station  
Geary Elementary School  
Holden Elementary School  
Hurricane High School Batting Facility  
Marshfork Elementary School  
Tudor's/Gino's Restaurants (Various Location)  
Additions and Renovations to Flinn Elementary



## Registration/Professional Affiliations

Professional Engineer WV - [REDACTED]  
Professional Engineer KY - [REDACTED]  
Professional Engineer PA - [REDACTED]  
Professional Engineer OH - [REDACTED]  
Professional Engineer VA - [REDACTED]  
Professional Engineer MI - [REDACTED]  
Professional Engineer SC - [REDACTED]  
Professional Engineer IN - [REDACTED]  
West Virginia Master Electrician - [REDACTED]  
American Society of Heating, Refrigeration and  
Air-Conditioning Engineers - [REDACTED]  
National Fire Protection Association - [REDACTED]

## Education

West Virginia University Institute of Technology  
Bachelor of Science - Electrical Engineering

Bluefield State College  
Bachelors of Science - Computer Science

### **Education**

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

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

### **Registrations**

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

### **Professional Experience**

Mr. Coberly has more than 30 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 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.

### **Representative Projects**

The following is a sample list of recent projects on which Mr. Coberly has served as Project Manager

- Scott Findley Road Waterline Extension Project - \$1.2 Million
- Exchange Road Phase I Waterline Extension - \$3.1 Million
- Putnam Business Park Utility Extension Phase II - \$1 Million
- Kenova Downtown Water System Upgrade - \$1.9 Million
- Kenova Prichard Waterline Replacement and Upgrade Project - \$4.7 Million
- Route 18 South-Snowbird Road Waterline Extension Project - \$969,000
- Big Flint Waterline Extension Project - \$7.8 Million
- Poca Belt Press - \$1.6 Million
- Blue Knob Waterline Extension Project - \$2.3 Million
- Town of Burnsville Sewer Study - \$2.7 Million

Eric Coberly, P.E.  
(continued)



- Bergoo Wastewater Collection and Treatment System Project - \$2.7 Million
- City of Bluefield Commercialization Center - \$2.55 Million
- Greenfield Cabinetry Building Expansion - \$3.64 Million
- Cow Creek Waterline Extension Project - \$815,000
- WVDEP OSR Viking Preston Mining Project - \$2.3 Million
- Over 100 West Virginia Department of Environmental Protection Abandoned Mine Lands reclamation projects

Tim Cart, P.E.  
Civil Engineer



### **Education**

B.S. Civil Engineering, West Virginia University, 1981, Magna Cum Laude

### **Registrations**

Registered Professional Engineer West Virginia (1986)

Registered Professional Surveyor in West Virginia (1995)

### **Professional Memberships**

American Society of Civil Engineers (ASCE)

### **Professional Experience**

Mr. Cart has over 34 years of experience in providing consulting engineering services. Clients served have included Industrial, Public and Private Institutions and State and Federal Agencies. He has served as Project Engineer on numerous geotechnical investigations over the years. These projects have included highways, bridges, industrial sites, buildings and various developments.

Mr. Cart has been the lead engineer for the design of structures including garage maintenance facilities, 911 centers, student resident housing additions, building renovations including additions of elevations and stairways. The projects vary in complexity to single story slab on grade structures to multi-story 911 centers. Additionally, Mr. Cart has also provided clients with evaluation of existing structures to determine the modifications required for proposed changes in the structural loading. He has worked with architects and the fire marshal's office to provide structures designed to the latest code requirements.

### **Representative Projects**

Mr. Cart has served as senior project engineer for numerous structural projects including the following:

Buckwheat Express Bus Garage- Kingwood, WV

Mason County 911 Center and Garage- Point Pleasant, WV

Putnam County 911 Center and Maintenance Garage- Winfield, WV

Mingo County 911 Center- Williamson, WV

Wetzel County 911 Center- New Martinsville, WV

CAMC General Student Resident Housing- Charleston, WV

State Credit Union Building Addition- Charleston, WV

Chief Logan Recreational Center- Logan, WV

Tim Cart, P.E.  
(continued)



Aldersgate United Methodist church Gym and Fellowship Building- Sissionville, WV

Lincoln County Courthouse File Room Modifications- Hamlin, WV

Logan County Commission Building Elevator and Stairway Project- Logan, WV

Logan County Courthouse Annex, Elevator and Stairway Project- Logan, WV

Logan Welcome Center- Logan, WV

Historic Coal House Restoration- Williamson, WV

Flatwoods Canoe Rune PSD Maintenance & Treatment Building- Sutton, WV

Putnam County Pre-Sed Basin and Building- Teays Valley, WV

Delbarton Sewage Treatment Plant & Facility Buildings- Delbarton, WV

Putnam County PSD Maintenance Garage- Teays Valley, WV

Scott LeRose, P.E.  
Roadway Engineer



### **Education**

B.S. Civil Engineering, West Virginia Institute of Technology, 1997

### **Registrations**

Registered Professional Engineer in West Virginia and Ohio

### **Professional Memberships**

American Society of Civil Engineers (ASCE)

### **Professional Experience**

Prior to joining E.L. Robinson Engineering Co., Mr. LeRose worked for Potesta & Associates, where he gained experience in landfill design, abandoned mine land reclamation, surveying and earthwork calculations. He also worked several co-op terms for the West Virginia Department of Highways. During these co-op terms, he performed bridge construction inspections including the preparation of daily field reports, supervised core drilling operations, participated in groundwater sampling projects, aided in the process of underground storage tank removal and replacement and was involved in various highway design projects.

Since joining E.L. Robinson Engineering Co., Mr. LeRose has worked with the Highway Design Group. He has worked on several DOH projects, which include US 52 Kermit Bypass, multiple sections of Corridor H, Meadowbrook Road, I-79 Bridgeport to Meadowbrook, Lower Gassaway Bridge Replacement, Meadowbrook Bridge, and US Route 35. While working on these projects, he has gained experience in horizontal and vertical geometry, major drainage design, site-grading design, utility relocation, MOT, signing and pavement striping. He has performed quantity calculations for pavement, drainage, seeding, pollution control quantities, and other items associated with roadway plans. He has also participated in the development of ROW plans, including deed plots and legal descriptions.

Mr. LeRose has been instrumental in the completion of numerous sanitary sewer extension/upgrade projects as well. These projects include Ridgeview Sanitary Sewer Extension Project, Crooked Creek Sanitary Sewer Extension Project, Island Creek Sanitary Sewer Extension Project, Mozart Sanitary Sewer Project, Lake Washington/Vaughts Run Sanitary Sewer Extension Project, Red Jacket Sanitary Sewer Upgrade Project and City of South Charleston Sanitary Board Spring Hill Mountain Sanitary Sewer Extension Project.

Mr. LeRose has also worked on smaller site development and subdivision layout projects. Included in these are Saturn of Charleston/Huntington, Hurricane Chevrolet Dealership, Charleston Area Medical Center Division parking area, Sherwood Forest Subdivision and Centre Court Subdivision.

Mr. LeRose has also been heavily involved in the preparation of gas line relocation plans for several sites owned by Consumers Gas as well as the creation of a land use master plan for Mingo County Redevelopment Authority.

### Representative Projects

Ridgeview Sanitary Sewer Extension Project, Logan County, WV: This project will provide service to approximately 310 customers in the Logan County communities of Ridgeview, Shamrock, Mt. Gay, Logan Heights, Cora and Camps 5 & 6. The project consists of construction of approximately 32,150 feet of 12-inch and smaller diameter gravity sewer pipe, 155 feet of 8-inch and smaller diameter force main, 275 manholes, 1 major pumping station, cleanouts, service laterals and other related appurtenances.

Crooked Creek Sanitary Sewer Extension Project, Logan County, WV: This project will provide service to approximately 83 customers in the Logan County community of Crooked Creek. The project consists of construction of approximately 9,350 feet of 8-inch and smaller diameter gravity sewer pipe, 4,500 feet of 12-inch or smaller diameter force main, 107 manholes, 3 major pump station upgrades, cleanouts, service laterals and other related appurtenances.

Mozart Sanitary Sewer Project, Marshall County, WV: This project will provide service to approximately 310 customers in the community of Mozart in Marshall County. Sewage treatment will be provided by the City of Wheeling. The project consists of the construction of approximately 30,000 feet of 12-inch or smaller diameter gravity sewer pipe, 7,400 feet of 4-inch or smaller diameter force main, 277 manholes, 2 major pumping stations, cleanouts, service laterals and other related appurtenances.

Lake Washington/Vaughts Run Sanitary Sewer Extension Project, Wood County, WV: This project will provide service to approximately 90 customers in the area surrounding Lake Washington, a small community near Parkersburg, in Wood County. The project consists of the construction of approximately 16,300 feet of 10-inch or smaller diameter gravity sewer pipe, 2,400 feet of 2-inch or smaller force main, 121 manholes, cleanouts, service laterals and other related appurtenances.

Red Jacket Sanitary Sewer Upgrade Project, Mingo County, WV: This project will provide service to approximately 160 customers in the communities of Newtown and Meador in Mingo County. The project consists of construction of approximately 22,350 feet of 8-inch or smaller diameter gravity sewer pipe, 183 manholes, cleanouts, service laterals and other related appurtenances.

Spring Hill Mountain Sanitary Sewer Extension Project, Kanawha County, WV: This project will provide service to approximately 70 customers in the Spring Hill Mountain area of South Charleston in Kanawha County. The project consists of the construction of approximately 9,550 feet of 8-inch or smaller diameter gravity sewer pipe, 6,400 feet of 4-inch diameter or smaller force main, 90 manholes, 1 major pumping station, cleanouts, service laterals and other related appurtenances.

US Route 35 - Couch to Little Five Mile, Mason County, WV: Mr. LeRose served as project manager and designer for the roadway and right-of-way plans for 2.8 miles of four-lane divided highway, 0.5 miles of access road design, one at-grade intersection and two sets of twin structures. This project includes approximately 2.2 million cubic yards of excavation, with an estimated total construction cost of \$35 million.



Scott LeRose, P.E.  
(continued)



Corridor H - Forman to Moorefield, Hardy County, WV: Mr. LeRose served as project manager and design engineer for the roadway and right-of-way plans for nearly 5 miles of a new four lane divided highway and nearly 3 miles of access road design and a truck escape ramp. The roadway plans included signing and delineator layout, maintenance of traffic and pavement marking plans. This project has an estimated total construction cost of \$77 million.

Interstate 79 - Bridgeport to Meadowbrook, Harrison County, WV: Mr. LeRose served as design engineer for the roadway construction plans for the widening of 2.1 miles of Interstate 79 from four to eight lanes including three bridges and tie-ins to two interchanges. The roadway plans included signing plans, maintenance of traffic plans and pavement marking plans. This project has an estimated total construction cost of \$30 million.

### **Education**

B.S. Civil Engineering, West Virginia Institute of Technology, 1975

Master of Science Sanitary Engineering, Virginia Polytechnic Institute and State University, 1976

### **Registrations**

Registered Professional Engineer in West Virginia and Florida

Class III Public Water Supply Operator [REDACTED]

Class IS Wastewater Treatment Works

### **Professional Experience**

Mr. Tilley's experience in the water and wastewater field brings clients a unique perspective to their projects. He has worked as a regulator, a PSD Manager and operator as a consulting engineer, and has experience in grantsmanship. His varied experience offers clients an engineer who can assist in the funding of projects, prepare the necessary studies, design the project, work with regulators to secure approvals and oversee implementation. Most importantly, Mr. Tilley has the background necessary to see a project from the perspective of not only an engineer but also a utility manager and operator.

During his career, Mr. Tilley has taken many water and wastewater projects from inception to successful completion. Mr. Tilley has also read meters, flushed water systems and operated water treatment plans and wastewater systems. The understanding gained from that experience offers valuable insight to his clients.

### **Representative Projects**

#### **Wastewater System Planning:**

Town of Ansted: Mr. Tilley drafted the facility plan for making improvements to the Town's wastewater collection and treatment facilities.

City of Charleston: Oversaw portions of a Combined Sewer Overflow (CSO) study as a sub-consultant to a national engineering firm.

White Oak PSD: Assisted the District in revising plans to upgrade its wastewater treatment facility.

Town of Burnsville: Assisted the Town in revising planned improvements to its wastewater treatment system.

#### **Wastewater System Design & Construction**

Crab Orchard, MacArthur PSD: Mr. Tilley served as Design Engineer on the layout of the northern area of the wastewater collection system. He also designed the pretreatment and flow measuring facilities at the wastewater treatment plant.

White Oak PSD: Mr. Tilley served as Project Manager for the upgrade of this PSD's wastewater treatment facility which included pretreatment and flow measuring facilities and addition of a second clarifier.

City of Mullens: Mr. Tilley served on the Sanitary Board of Mullens overseeing construction during wastewater collection system improvements and construction of a new Sequencing Batch Reactor treatment plant. The collection system improvements included relining of much of the system.

Town of Burnsville: Design of improvements to a 100,000 gallon per day (GPD) aerated lagoon and replacement of portions of the collection system.

Town of Hillsboro: Consulted with the Town in the conversion of a stabilization pond to an aerated lagoon.

#### **Wastewater System Operation**

While serving as Managing Engineer of Logan County PSD, Mr. Tilley oversaw the refurbishment and return to service of a 20,000 GPD package sewage treatment plant serving the community of Green Valley. He also served as plant operator.

As Bluewell PSD General Manager, Mr. Tilley oversaw operation of the wastewater collection and disposal systems of Bluewell PSD and Bramwell PSD. The Bluewell PSD system includes gravity collection, five lift stations and a 400,000 GPD contact stabilization treatment plant. The Bramwell PSD collection system includes both vacuum and pressure sewers. A 100,000 GPD extended aeration plant provides treatment.

#### **Water System Planning**

Mercer County Water Study, Mercer County Commission: In the early 1980's, Mr. Tilley prepared a county-wide water study for the Mercer County Commission looking at areas of Mercer County that needed water service. Over the last two decades, that plan has been used as the basis for many projects, and continues to provide a valuable planning tool today.

Logan County PSD Rum and Huff Creek Regional Water System Studies: Mr. Tilley prepared the Rum Creek Water Study and oversaw the preparation of the Huff Creek Study. These documents were used as a planning tool to extend water service to much of Logan County.

Northern Fayette County Regional Water Study: In the 1990's, Mr. Tilley prepared this engineering report. It has provided an outline for providing water to northern Fayette County.

McDowell County PSD Water Study: Because of his previous experience in county-wide water system planning, Mr. Tilley was sought to prepare the engineering report for replacing failing water systems in McDowell County. The complete study recommended a phased approach which has been closely followed to successfully replace those failing systems.

#### **Water System Design & Construction**

Raleigh County PSD: As a Design Engineer, Mr. Tilley worked to layout and quantify this project to extend water service to Arnett and other communities along WV Route 3. He also served as Design Engineer on the extension of the Sycamore Water System near Colcord.

Logan County PSD: Working as Project Manager, Mr. Tilley was involved in the design and construction of the

Ray Tilley, P.E.  
(continued)



Mud Fork Water System Extension, Rum Junction-Lyburn Water System Extension, Greenville Water System (including a 700 gpm surface water treatment plant), Dehue Water System Extension and designed and bid the Huff Junction-Green Valley Water System Extension. He also oversaw the design of the Atenville extension of the PSD's Big Creek water system.

Town of Ansted: As Project Manager, Mr. Tilley worked to implement this project to add 330,000 gallons of storage to the Town's water system and to provide raw water intake in the New River.

McDowell County PSD: Mr. Tilley served as Project Manager on the separate Coalwood and Caretta Water Systems.

Each of these systems involved a ground water treatment plant to remove iron and manganese. Mr. Tilley also designed water system extensions to serve Hemphill, Capels, Havaco, Wilco and Premier and did the preliminary design for the Bartley-English Water System. He also assisted the District in the installation of a microfiltration water plant for the community of Buchanan and consulted with the PSD during the development, design and construction of the Berwind Water Project.

Cool Ridge-Flat Top PSD: Served as Project Manager for this effort to increase the pumping capacity of this water system.

Bluewell PSD: Mr. Tilley served as Project Manager for the extension of water along the Falls Mills Road to the Virginia State Line. He also served as Project Manager on the project to extend water along Route 20 to the community of Littleburg and along the upper portion of the Littleburg Road. During that same project, water was extended to the communities of Duhring and Flipping. As the PSD's General Manager, he prepared the preliminary engineering report for a project to extend water to the Kirby Addition area of Bluewell and to make improvements to the Town of Bramwell Water System and incorporate it into Bluewell PSD.

#### **Water System Operation**

As Managing Engineer at Logan County PSD, Mr. Tilley operated a 700 gallon per minute (gpm) surface water treatment plant having an upflow clarifier and mixed media filtration. He also operated a 100 gpm groundwater plant having pressure greensand filters. Logan County PSD had approximately 1,200 customers in five water systems when Mr. Tilley left in 1989.

### **Education**

M.S. Geography, Marshall University, 1994

B.S. Geology, Marshall University, 1977

### **Registrations**

Registered Professional Geologist in Virginia and Kentucky

### **Professional Memberships**

Geological Society of America and Association of Engineering Geologist

### **Professional Experience**

Mr. Watts has more than 38 years of experience in providing consulting services as a senior geologist. He has also served as project manager on numerous projects.

Mr. Watts is primarily an engineering geologist whose range of project experience has encompassed numerous projects concerning geologic investigation, rock and soils engineering, landslides, abandoned mine land reclamation, forensic damage investigations, hydro-geology and the coal industry.

He has performed hundreds of slope stability analyses for landslides and other projects involving the design of stable slopes. In addition, he has performed several studies involving landslide prediction to aid clients in land use and safety planning. Projects involving rock slope stability have included high rock cuts for surface mining operations and highways.

Geotechnical experience has included numerous projects involving soils, foundations, landfills and damage studies. These projects have encompassed such areas as pile driving, caisson installation, earth fill placement, subsurface exploration, site reconnaissance, grout and concrete placement and quality control.

### **Representative Projects**

- Huntington Mall, Barboursville, WV
- Best Buy, Barboursville, WV
- Fiesta Bravo Restaurant, Barboursville, WV
- McDonalds, Gilbert, WV
- Numerous Cell Phone Towers Cites
- Wallick Developers - Townhouses, Charleston, WV
- KFC, Beckley, WV

Richard Watts, P.G.  
(continued)



- McDonalds, Lavalette, WV
- KIng Coal Highway
- Coal Fields Expressway
- Charleston Town Center Mall
- New River Gorge- Cunard Access
- WVDEP - Carswell
- WVDEP - Prenter Road Waterline Feasibility
- WVDEP - Jolo/Paynesville/Wolfpen
- WVDEP - Swiss Drennan Areas, Gauley River
- WVDEP - Coal Mountain Waterline Feasibility
- WVDEP - Hanover Waterline Feasibility
- WVDEP - Brownton Landslide
- Veterans Hospital - Seven Landslides, Huntington, WV
- WVDOH - Five Landslides, Charleston, WV
- WVDOH - I-79 Landslide
- WVDEP - New River Gorge Landslide
- WVDEP - Herndon/Covel/Garwood Waterline
- WVDEP - Spy Rock/Edmond/Flanagan Waterline
- Marshall University - Corbly Hall
- Marshall University - Henderson Center Floor Cracking Study

Faheem Ahmad, P.E., P.S.  
Structural Engineer



### **Education**

M.S Civil Engineering, Virginia Tech (VPI & SU), 1991

B.S. Civil Engineering, West Virginia University Institute of Technology, 1988

M.S Information Systems, Marshall University, 2004

### **Registrations**

Registered Professional Engineer in West Virginia, Florida, Virginia, Ohio, Texas, New York, North Carolina, Kentucky, Pennsylvania, Maryland and Delaware

NCEES

Registered Professional Surveyor in West Virginia (1678)

Certified Bridge Safety Inspector – NHI (130055A)

Certified Floodplain Manager (CFM)

### **Professional Memberships**

American Society of Civil Engineers – Structural Engineering Institute (SEI)

Association of State Floodplain Managers (ASFPM) - Member

Transportation Research Board (TRB)

### **Professional Experience**

Mr. Ahmad is an experienced engineering manager with over 27 years experience in highway and bridge projects. He is a seasoned project manager with a track record of managing and delivering projects within budget and on schedule. He has managed all types of projects including design-bid-build, design-build, and value engineering. Mr. Ahmad has over 10 years of experience in alternative delivery methods such as design-build, public-private-partnerships (PPP) and value engineering (VE).

Mr. Ahmad has implemented Accelerated Bridge Construction (ABC) methodology on multiple projects to reduce construction duration and impacts on traffic.

Mr. Ahmad has thorough knowledge of West Virginia design directives and policies, WVDOH Bridge Design Manual and AASHTO LRFD specifications. He has used Critical Path Analysis and Gantt charts to schedule and manage projects.

He has thorough knowledge of bridge erection techniques, stage construction analysis and analysis for constructability. He has had extensive experience in directing the preparation of the design and on-site construction engineering and inspection of bridges and structural engineering projects.

He has over 27 years of professional experience in Finite Element Modeling (linear and non-linear) for bridge projects. He has conducted bridge inspections (NBIS, Element Level) and performed load rating evaluations and analysis in accordance with AASHTO Manual for Condition Evaluation of Bridges (now the Manual for Bridge Evaluation – 2nd Edition) of complex highway bridges ranging from thru trusses to curved girder bridges to bascule bridges. Mr. Ahmad has extensive experience in analysis software such as MDX, LUSAS, STAAD PRO, LARSA 4D, MIDAS and ABAQUS.

Mr. Ahmad also has over 22 years of experience with hydraulics engineering projects in West Virginia. Mr. Ahmad is also Certified Floodplain Manager (CFM) from the Association of State Floodplain Managers. Mr. Ahmad is proficient in conducting hydrologic and hydraulic (steady flow/unsteady flow/2D-flow) of rivers and creeks. Representative projects include FEMA flood studies and map revisions, hydrologic studies, floodplain studies, erosion protection design, bridge hydraulics and scour studies. He is also experienced with water resources regulations, and permitting requirements in West Virginia.

Prior to joining ELR, Mr. Ahmad had over six years of professional affiliation with the Structures Divisions of Delaware and Virginia Department of Transportation.

#### **Representative Projects**

Corridor H – Kerens to Parsons– Design Build Project, Randolph and Tucker Counties, WV.

Lead Bridge Engineer for the \$ 200 million design build project. This project includes following major bridges/ structures:

- Bridge Over Baldlick Fork is 560 ft long horizontally curved bridge with layout of three continuous spans as follows: 170 ft – 220 ft – 170 ft. The steel plate girders have 86” deep web. Overall deck width is 84’-6”. Pier heights are approximately 94 ft.
- Panther Run Bridge Over Panther Run is a 620 ft long bridge with layout of three continuous spans as follows: 175 ft – 270 ft – 175 ft. The steel plate girders have 93” deep web. Overall deck width is 84’-6”. Pier heights are approximately 77 ft.
- South Branch Haddix Run Bridge Over South Branch Haddix Run is a horizontally curved 780 ft long bridge with layout of three continuous spans as follows: 250 ft – 280 ft – 250 ft. The steel plate girders have 90” deep web. Overall deck width is 84’-6”. Pier heights are approximately 130 ft.
- Bridge Over Tributary of South Branch Haddix Run is 600 ft long bridge with layout of three continuous spans as follows: 180 ft – 240 ft – 180 ft. The steel plate girders have 86” deep web. Overall deck width is 84’-6”. Pier heights are approximately 82 ft.
- Bridge Over US 219 and Haddix Run is 1200 ft long bridge with layout of five continuous spans as follows: 205 ft – 280 ft – 280 ft – 280 ft – 155 ft. The steel plate girders have 100” deep web. Overall deck width is 84’-6”. Pier heights range from 75 ft – 202 ft.
- CR 3 underpass structure is a 230 ft long box cast-in-place concrete single cell box type structure with a 28 ft clear span



Cottageville Bridge: Lead Design Engineer and Lead Bridge Engineer for the design-build project to construct a new bridge to carry WV 331 over Little Mill Creek in Jackson County. The proposed bridge consists of three spans of 80 ft – 80 ft – 40 ft with a concrete beam superstructure with a composite concrete deck. The substructures consist of integral abutments founded on H-piles and single column piers. Other design features included drainage, maintenance of traffic, signing, pavement markings, environmental permits (404, NPDES) and construction inspection. Cost for the bridge was \$ 1.9 million.

S. Lee Exxon Bridge: Lead Design Engineer and Lead Bridge Engineer for the design-build project to construct a new bridge to carry WV 68 over South Fork Lee in Wood County. The bridge is 190 ft long, bearing to bearing, and 38'-6" out to out. Span 1 is 75 ft long and Span 2 is 115 ft long. The proposed bridge is a two span bridge with a concrete beam superstructure and a cast-in-place concrete deck. The pier is of the two column type with pile caps and driven H-piles supporting each column. Other design features included drainage, maintenance of traffic, signing, pavement markings, environmental permits (404, NPDES) and construction inspection. Cost for the bridge was \$ 2.4 million.

I-77 Bridges: Surface Drive Overpass Bridges: Lead Design Engineer and Lead Bridge Engineer for the design-build project involving renovation of two dual I-77 bridges: Surface Drive Overpass Bridges on I-77 over CR 119/37 and Eden's Fork Interchange Bridges on I-77 over CR 27 in Kanawha County, WV. Beams/girders for each of the bridges are made composite by having shear connectors installed on them. Abutments are converted to semi-integral type. Other design features include drainage, maintenance of traffic, signing, pavement markings, environmental permits (404, NPDES) and construction inspection. Cost for the bridges was \$ 5.4 million.

Tuppers Creek-Pocatalico Bridges: Lead Design Engineer and Project Manager for the replacement of (3) three replacement of existing dual Tuppers Creek-Pocatalico Bridges (Bridge Nos. 2191, 2192, and 2193) carrying I-77 North and South bound in Kanawha County, West Virginia. The bridges consisted of composite steel plate girders on semi-integral/integral abutments and multi-column bents. The project also included structural inspection of existing bridges, geotechnical investigations and preparation of permits. Construction cost for the project was \$ 9.8 million.

Guyandotte River Bridge: Lead Design Engineer and Project Manager for the Value Engineering of Guyandotte River Bridge (Bridge No. 4971). It carries WV Route 10 over Guyandotte River as a part of the Stollings to Logan Road upgrade in Logan County, WV. The Guyandotte River Bridge is a four (4) spans steel girder bridge with lengths of: 185'-0", 240'-0", 240'-0", and 185'-0". The superstructure consists of six (6) welded steel plate girders with cast-in-place concrete deck which acts composite with the steel girders. The piers consists of pier cap that is supported by two columns, each column is based on drilled caisson with rock socket. The pier heights range from 50 to 75 ft. Prepared VE Plans for the project that included Roadway, Bridge, Geotechnical and Hydraulic Studies for the Value Engineered Bridge and Roadway. Performed Girder Erection and Deck Overhang analyses and prepared plans for the contractor.

I-77 City Beer Overpass Bridge: Lead Design Engineer and Project Manager for the Value Engineering of I-77 City Beer overpass bridge in Wood county. The VE bridge is a three span bridge (56'-0" - 96'-0" - 49'-0") South Bound and (51'-6" - 96'-0" - 62'-0") north bound. The structure has a skew of 57 degrees. The superstructure consists of 6 prestressed AASHTO Type III beams. The bridge substructure consists of two piers and two semi-integral abutments. The abutments are designed with single row of HP 14x73 piles oriented in strong direction

and two Wingwalls supported by piles. Due to the severe skew and stage construction, a 3-D finite element model was developed to capture all the on the semi-integral abutments due to thermal expansion/contraction of the girders and the deck and due to lateral earth pressure. Prepared VE Plans for the project that included Roadway and Bridge plans.

**Madam Creek Bridge:** Lead Design Engineer and Project Manager for the Value Engineering of Madam Creek Bridge (County Route 26) in Summers County. The VE Bridge is a simple span structure with 158'-0" center bearing to center bearing. The superstructure consisted of four lines of plate girders 9'-6" on centers. The superstructure has a 5% vertical slope. The substructure with architectural treatment consists of two integral abutments supported on HP14x73 piles. Prepared VE Plans for the project that included Roadway and Bridge plans.

**Morehead Bridge:** Lead Design Engineer and Project Manager for the Value Engineering of Morehead Bridge (County Route 26) in Wirt County. The VE Bridge is a simple span structure with 130'-0" center bearing to center bearing. The superstructure consisted of five lines of plate girders. The superstructure depth was minimized to meet the hydraulic requirements. Prepared VE Plans for the project that included Roadway, Bridge and Hydraulic Studies for the Value Engineered Bridge and Roadway.

**McQuain Brothers Bridge:** Lead Design Engineer and Lead Bridge Engineer for the design-build project for the construction of dual I-79 bridges over US 119 & Left Hand Creek in Kanawha County, WV. Each of the structures has three span layout with span lengths of 128'-0" – 122'-9" – 91'-0". The bridge has horizontally curved alignment (radius = 2865 ft). The horizontally curved cast in place deck is supported by four lines of straight Type IV-J Prestressed Concrete Beams kinked over the piers with a cast-in-place concrete deck. The beams are simple spans for dead loads and made continuous for live load. Abutment 1 is semi-integral while abutment 2 is integral. The design also involved 3-D slope Stability analysis. Other design features included drainage, maintenance of traffic, signing, pavement markings, environmental permits (404, NPDES) and construction inspection. Cost for the bridges was \$ 7.4 million.

**US35 Design-Build Project (WVDOH) Putnam County, West Virginia:** Served as Bridge Project Manager/Lead Design Engineer on this design- build project to construct dual 181 ft long single span dual bridges over Hurricane Creek and 110 ft long dual bridges over WV 34.

**Wyoming Truss Bridge:** Lead Bridge Design Engineer and the Project Manager for the Wyoming Truss Bridge Replacement in McDowell County, WV. The spans were 88 feet, 110 feet and 88 feet with a total length of 286 feet. The superstructure consists of HPS70W steel girders. Piers 1 and 2 are hammerhead piers. Piers 1 & 2 are founded on spread foundations. The abutments are semi-integral abutments founded on H-Piles. Estimated construction cost for the bridge is \$ 1,900,000.

**US 35 Over Upper & Lower Fivemile:** Lead Bridge Design Engineer and the Project Manager for the following dual bridges (1) US 35 Over Upper Five Mile Creek and CR 27 (2) US 35 Over Lower Five Mile Creek in Mason County, WV. The spans for US 35 Over Upper Five Mile Creek are 161 feet, 161 feet with a total length of 322 feet. The spans for US 35 Over Lower Five Mile Creek are 145 feet, 145 feet with a total length of 290 feet. The estimated construction cost for the bridges is \$ 7.6 million.

**Blennerhassett Island Bridge:** Lead Bridge Design Engineer and the Project Manager for the Ohio Approach spans of Blennerhassett Island Bridge over the Ohio River beginning in Washington County, Ohio and Blennerhassett Island. The spans were 171 feet, 179 feet and 139.75 feet with a total length of 489.75 feet. The superstructure consists of hybrid steel girders. Piers 1 and 2 are two column bents with parabolic tendon profile for the post-tensioned cap. Pier 1 is founded on a single caisson with a caisson cap whereas Pier 2 is founded on steel H bearing piles with pile cap.

**Corridor H Over Walnut Bottom Run:** Lead Bridge Design Engineer and the Project Manager for the Twin Bridges Over Walnut Bottom Run Carrying Corridor H in Hardy County, West Virginia. The bridge consists of single 184 ft long composite welded steel plate girders with integral abutments. Construction Cost for the bridges is \$ 2,388,000.

**Buffalo Creek Bridge:** Lead Design engineer and the project manager for the deck replacement of the existing WV 10 Buffalo Creek Bridge over CSX RR and Buffalo Creek in Logan County, WV. This bridge has a four (4) span layout as follows: 222'-0" 264'-6" 215'-9" and 117'-9". The superstructure consists of eight (8) welded steel plate girders with cast-in-place concrete deck. Construction cost is \$ 4.3 million.

**I-70 Ft. Henry IC Bridge:** Lead Design engineer and project manager for the Fort Henry I/C Bridge Over I-70 in Ohio County, West Virginia. The bridge consists of two 140 ft long composite welded steel plate girders with integral abutments and pier, on pile foundations.

**Lower Gassaway Bridge:** Design Review Engineer and Project manager for the replacement of Lower Gassaway Truss Bridge in Braxton County, WV. The bridge consisted of composite welded steel plate girder (81" deep) on semi-integral abutments on drilled shafts and hammerhead piers on single circular (63.8' high) column supported by deep spread footings. The project also included geotechnical investigations and hydraulic studies.

**I-79 Lodgeville Bridges:** Design engineer and manager for the replacement and widening of the existing dual I-79 Lodgeville and Simpson Creek Bridges in Harrison County, WV to eight lanes. The Simpson Creek Bridge consisted of curved plate girders on abutments and two-column bents (36' high) on spread footing. The project also included geotechnical investigations and hydraulic studies.

### **Representative Hydraulics Projects**

**South Branch of Potomac River:** Hydraulics and scour Analysis for the Proposed Corridor H Bridge crossing the South Branch of the Potomac River - Hardy County, WV The proposed structure crosses South Branch of the Potomac River and its flood plain. The total length of the bridge is 2200 ft. Developed hydraulic models to determine the velocities and flow depths for bridge scour. Evaluated scour potential of piers considering other factors such as river bed changes, instances of historical migration, effect of debris. Prepared hydraulic analysis for the Moorefield Flood Levee freeboard. Additionally, performed hydraulics and scour analysis associated with temporary causeway and access road needed for the construction of the bridge.

**Blennerhassett Island Bridge:** Hydraulic, scour and erosion countermeasures studies for Proposed Blennerhassett Island Bridge – Wood County, WV and Washington County, OH. The proposed structure consists of a simple span tied arch with a span length of 880 feet (center to center of pier) over the Ohio Channel of the Ohio River. The total length of the bridge is 3985 ft. including approach spans. Developed hydraulic models to determine the

velocities and flow depths for bridge scour evaluations. Evaluated scour potential of river piers on the Island considering other factors such as long term river bed changes, instances of historical migration. An erosion protection system to minimize the impact of barge traffic and bridge scour along the Island shore in the vicinity of Pier 4 was developed. Additionally, performed hydraulics and scour analysis associated with temporary cofferdams, temporary platforms and docks around bridge piers 3, 4, 8, and 9 including for the access roads on the Blennerhassett Island for the duration of construction.

#### **Publications/Presentation**

Published technical papers and made presentations at conferences:

Ahmad, F. and Mongi, A., Accelerated Bridge Construction of Martin Luther King Jr. Memorial Bridge – City of Bluefield, WV - Published in the proceedings of 2014 National Accelerated Bridge Construction Conference.

Ahmad, F. , Zoubi, N. and Mongi, A. Behavior of Integral Abutments with Tall Back walls - Published in the proceedings of 2007 International Bridge Conference

Presentation titled “Steel Spans Made Continuous for Live Loads at the Structures IV seminar by West Virginia Division of Highways – Charleston, WV, November 15, 2005

Ahmad, F. and Zoubi, N. Tension Field Action in the Hybrid Steel Girders for Ohio Approach Spans of Blennerhassett Island Bridge - Published in the proceedings of Third New York City Bridge Conference - Vol 3, No. 1, September 11 – 13, 2005

Co-Presenter on presentation titled “Hydraulic and Scour Analysis of Blennerhassett Island Bridge at the 2002 FHWA Hydraulics Conference – Louisville, KY, September 17-19, 2002

<b>District 7 Office Building</b>	-	<i>New</i>
<b>District 7 Equipment Shop</b>	-	<i>New</i>

**Mr. Joshua Smith**, Buildings & Grounds  
 WVDOH – Maintenance Division  
 1900 Kanawha Boulevard, East  
 Building 5, Room A-350  
 304-558-9289

<b>District 8 Equipment Shop</b>	-	<i>New</i>
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**Mr. Steve Schumacher**, Construction Engineer  
 WVDOH – District 8  
 US Route 219, North  
 Elkins, WV 26241  
 540-636-0215

<b>Hatfield McCoy Offices</b>	-	<i>Renovations</i>
<b>Ashland Trailhead</b>	-	<i>New</i>

**Mr. Jeffery Lusk**, Executive Director  
 Hatfield McCoy Trail Regional Authority  
 PO Box 146  
 Man, WV 25635  
 304-752-3255



**ADDENDUM ACKNOWLEDGEMENT FORM**  
**SOLICITATION NO.: CEOI 0803 DOT180000001**

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

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

**Addendum Numbers Received:**

(Check the box next to each addendum received)

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

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

E.T. Boggess Architect, Inc.

\_\_\_\_\_  
Company

  
\_\_\_\_\_  
Authorized Signature

June 28, 2018

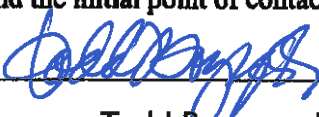
\_\_\_\_\_  
Date

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






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

  
\_\_\_\_\_  
(Name, Title) Todd Boggess, President  
\_\_\_\_\_  
(Printed Name and Title) PO Box 727, Princeton, WV 24740  
\_\_\_\_\_  
(Address) (P) 304-425-4491 / (F) 304-425-2028  
\_\_\_\_\_  
(Phone Number) / (Fax Number) etb@etbarchitects.com  
\_\_\_\_\_  
(email address)

**CERTIFICATION AND SIGNATURE:** By signing below, or submitting documentation through wvOASIS, I certify that I have reviewed this Solicitation in its entirety; that I understand the requirements, terms and conditions, and other information contained herein; that this bid, offer or proposal constitutes an offer to the State that cannot be unilaterally withdrawn; that the product or service proposed meets the mandatory requirements contained in the Solicitation for that product or service, unless otherwise stated herein; that the Vendor accepts the terms and conditions contained in the Solicitation, unless otherwise stated herein; that I am submitting this bid, offer or proposal for review and consideration; that I am authorized by the vendor to execute and submit this bid, offer, or proposal, or any documents related thereto on vendor's behalf; that I am authorized to bind the vendor in a contractual relationship; and that to the best of my knowledge, the vendor has properly registered with any State agency that may require registration.

E.T. Boggess Architect, Inc.  
\_\_\_\_\_  
(Company)  
  
\_\_\_\_\_  
(Authorized Signature) (Representative Name, Title) Todd Boggess, President

Todd Boggess, President  
\_\_\_\_\_  
(Printed Name and Title of Authorized Representative)

June 28, 2018  
\_\_\_\_\_  
(Date)

(P) 304-425-4491 / (F) 304-425-2028  
\_\_\_\_\_  
(Phone Number) (Fax Number)

STATE OF WEST VIRGINIA  
Purchasing Division

# PURCHASING AFFIDAVIT

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

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

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

**DEFINITIONS:**

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

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

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

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

**WITNESS THE FOLLOWING SIGNATURE:**

Vendor's Name: E.T. Boggess Architect, Inc.

Authorized Signature: *[Signature]* Date: June 28, 2018

State of West Virginia

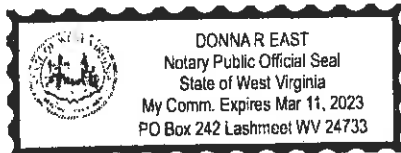
County of Mercer, to-wit:

Taken, subscribed, and sworn to before me this 28 day of June, 20 18.

My Commission expires March 11, 20 23

**AFFIX SEAL HERE**

**NOTARY PUBLIC** *[Signature]*



**West Virginia Ethics Commission**  
**Disclosure of Interested Parties to Contracts**

(Required by W. Va. Code § 6D-1-2)

**Contracting Business Entity:** E.T. Boggess Architect, Inc. **Address:** PO Box 727, 101 Rockledge Avenue  
Princeton, WV 24740

**Authorized Agent:** Todd Boggess **Address:** 101 Rockledge Ave., Princeton, WV

**Contract Number:** DOT1800000001 **Contract Description:** D3, New I-77 Medina Substation

**Governmental agency awarding contract:** WVDOH

Check here if this is a Supplemental Disclosure

List the Names of Interested Parties to the contract which are known or reasonably anticipated by the contracting business entity for each category below (attach additional pages if necessary):

**1. Subcontractors or other entities performing work or service under the Contract**

Check here if none, otherwise list entity/individual names below.

Harper Engineering (St. Albans) and EL Robinson (Charleston)

**2. Any person or entity who owns 25% or more of contracting entity (not applicable to publicly traded entities)**

Check here if none, otherwise list entity/individual names below.

Todd Boggess

**3. Any person or entity that facilitated, or negotiated the terms of, the applicable contract (excluding legal services related to the negotiation or drafting of the applicable contract)**

Check here if none, otherwise list entity/individual names below.

Signature:  Date Signed: June 28, 2018

**Notary Verification**

State of West Virginia, County of Mercer:

I, Todd Boggess (Todd Boggess), the authorized agent of the contracting business entity listed above, being duly sworn, acknowledge that the Disclosure herein is being made under oath and under the penalty of perjury.

Taken, sworn to and subscribed before me this 28th day of June, 2018

  
Notary Public's Signature

**To be completed by State Agency:**

Date Received by State Agency: \_\_\_\_\_

Date submitted to Ethics Commission: \_\_\_\_\_

Governmental agency submitting Disclosure: \_\_\_\_\_

