

ORIGINAL



**E.L. ROBINSON**  
ENGINEERING



Expression of Interest

NOVEMBER 18, 2015



**West Virginia Division of  
Natural Resources**

Pipestem & Beech Fork State Park  
Campground Improvement Project

Solicitation No. CEOI 0310DNR1600000005

11/17/15 11:11:13  
WV Purchasing Division

ESTABLISHED EXPERIENCE. PROVEN PERFORMANCE.

T: 304.776.7473  
F: 304.776.6426

5088 Washington Street, West  
Charleston, West Virginia 25313

[elrobinsonengineering.com](http://elrobinsonengineering.com)



**E.L. ROBINSON**  
ENGINEERING

T: 304.776.7473  
F: 304.776.6426

5088 Washington St. West  
Charleston, WV 25313

[elrobinsonengineering.com](http://elrobinsonengineering.com)

November 18, 2015

Mr. Guy Nisbet, Buyer Supervisor  
Department of Administration, Purchasing Division  
2019 Washington Street, East  
Charleston, West Virginia 25305-0130

Re: Pipestem & Beech Fork State Park  
Campground Improvements Expression of Interest  
CEOI 0310 DNR1600000005

Dear Mr. Nisbet:

E.L. Robinson Engineering Co. (ELR) is please to submit this Expression of Interest for providing engineering, planning and design services for the referenced project.

ELR will provide project design, management and coordination with the WVDNR from our Cross Lanes, West Virginia office. Miller Engineering, a WV based electrical and mechanical engineering firm will provide these services for this project as part of the design team.

ELR's team has completed numerous projects over the last 5 years for the WVDNR on this type of work and has completed planning, design and construction administration on over \$10 million of related design and construction project for WV State Parks. ELR team is currently working on nine other related projects for the WVDNR.

Thank you for this opportunity to submit our Expression of Interest for your consideration on these park improvement projects.

Sincerely,

E.L. Robinson Engineering  
Jeff Nelsen, PLA  
Project Manager

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## Section 1: Project Approach

### Site Reviews

#### **Beech Fork State Park Campground Site Review:**

There are 4 separate camping areas containing 275 campsites on Beech Fork Lake. All the sites have electric except for sites 100-136 in the Moxley Branch camping area. When these sites were built over 30 years ago the electric distribution to these sites did not perform adequately and subsequently the electric service to each site was eliminated; however, the electric pedestals are still in place causing confusion to the campers. The highest priority according to the park staff is to provide 100 amp electric service to these sites.

In addition to electric service, water and sewer service is provided for 44 of the 275 sites only in the Old Orchard camping Area where the sites are the most dense, laid out similar to a large parking lot. In addition to sites 100-136 another possible 50 sites in this area would greatly improve the park revenue if all 87 sites had electric, sewer and water hookups. Both sewer and water are already serving 2 bathhouses within the area.

A sewage lift station exists near campsite 73 that would accommodate possible sewer laterals from campsites higher in elevation than the lift station which maybe approximately 50 sites and possibly more. Further study with accurate topographical mapping will determine the feasible solution for the most sewer hookups in the area. The park is connected to WV American Water Company distribution lines and park personnel believe adequate capacity exists to extend water hookups to all 87 camp sites in the Moxley Branch Campground.



## Section 1: Project Approach

### Site Reviews

#### Pipestem State Park Campground Site Review:

At Pipestem's Campground there is a need to expand the number of existing full service sites from 31 to 64 sites. Currently sites 1-31 have full hookup, sites 32-49 and site 82 have electric only. The remaining sites 50-81 have no utility hookups. These sites were built later than the first 50 built in the late 1960's.

The new sites are within a partially wooded, open meadow with gentle grades rising from a lower point at the beginning of the loop to its highest point near campsite 62 which is approximately 30 feet elevation change in 600' length accommodating a gravity sewer to the lower point. The existing treatment plant for the campground is another 90' lower in elevation. Water service should be easily extended based on park personnel identifying good pressure to all the existing facilities.

The additional full hookups would double the full service capacity of the campground creating additional park revenue and lessening the high demand on the one bathhouse for the 82 site campground.



## Section 1: Project Approach

### Design Approach:

- Project kick off meetings at each park with WV State Parks engineering staff and park's operation staff to verify the project scope, existing utility services and locations, and expected budget for each park's upgrades.
- As we performed on the North Bend River Run Campground, a topographic scan of each camping area will be required. This will provide topographic spot elevations of any given point desired within the campsite in addition to contours at 1-2' contour interval. Also locate all the existing connection points of the existing utilities.
- Review capacity of electrical, water and sewer lines within the sites as well as main distribution lines, tanks and treatment facilities.
- Identify the probable permitting required.
- With the topographic mapping completed, prepare preliminary design and develop a cost estimate of construction with possible phasing if beyond budget considerations.
- Present preliminary design for review by WVDNR and assist in selection of project final scope for construction documents.
- Complete construction documents for both parks and decide if the parks construction will be bid as one contract or two, separate for each park.
- Assist with bidding as required.
- Perform construction observation and administration to level requested by WVDNR.

### Communication Procedures:

Jeff Nelsen will be the project manager for these campground upgrades. He currently is the project manager for the North Bend Campground Upgrades Project. He will be WVDNR's point of contact from preliminary design through the construction phase. He will rely on Craig Miller, P.E. for the electrical design components and Eric Coberly, P.E. for sewer and water infrastructure design. Our design team will meet periodically on site with WVDNR staff to review outstanding issues, design progress, permitting and regulatory issues and other items. Meeting summaries will be emailed to each team member for review and affirmation.

### Budget & Schedule Approach:

The ELR/Miller team has a history with WVDNR and other clients across the state meeting the owner's budget and schedule. Our most recent example is the Beech Fork State Park Lodge Development where we provided civil, electrical, mechanical, and geotechnical engineering in addition to landscape architecture and surveying on the 75 room lodge development. Although the design has progressed only through the design development phase the project was managed to stay in budget and on schedule until the construction documents phase was put on hold due to funding related issues for its construction.



## Section 1: Project Approach

ELR has successfully completed 2 projects at Stonewall Jackson Lake, the pedestrian bridge over the lake and the paved shoulder projects where they both were built within the available funding. Miller Engineering has recently completed three projects at Pipestem State Park Lodge including HVAC, Fire Alarm and Pool Upgrades. They also have three other projects at Canaan Valley and Holly River State Parks.

Additionally, ELR has been one of several firms under contract with WVDOH since 2013 and recently selected again for another 2 years to provide consulting engineering, landscape architecture, and surveying services for non traditional transportation projects statewide. In the past two years ELR has been given 13 projects through approved letter agreements. The status of these projects are as follows:

- Romney and Huntington Sidewalks, construction completed in 2015.
- 2 Parsons projects and 2 Ronceverte projects are under construction now.
- Charleston is approved for bidding.
- Logan Sidewalks design is 95% complete, however, additional archeological/environmental clearance is required by WVDOH.
- Harrisville Sidewalks Phase 2 and Bridgeport Pedestrian Walkway Feasibility Study have been submitted for design review to WVDOH.
- Two additional agreements for Charleston East End Sidewalk, Tucker County Recreation Trail are waiting authorization to proceed.
- Romney Sidewalk/Streetscape preliminary design is completed.

The total project amount in these referenced projects to date is approximately \$3 million.

In addition to these projects, ELR has provided planning, design and construction services for other related projects funded through WVDOH's Grant Administration to other cities. ELR has been involved in twenty-three of these DOH funded projects over the last 2.5 years with sixteen of the twenty-three constructed, under construction or ready for bidding. Additionally, the total grant funding of these twenty-three projects exceeds \$4.6 million.

Our project management of projects are focused on achieving as much as possible of the owners goals within the budget available. Reaching that goal is three fold:

- First we meet and determine with discussion from the decision makers what are the critical items to be completed within the project. Early on in the design, E.L. Robinson confirms those goals can be met or how they can be phased.
- Secondly, ELR will organize the bid documents to allow owners flexibility by using unit prices and additive or deductive alternates in the bidding process.
- Third, E.L. Robinson manages the construction process partnering with the client to manage our time to best serve the project during construction administration and observation. Although not perfect we have found this allows the owners to take some responsibility for day to day observation during construction because they will have to maintain the project after completion and ELR performs periodic observation and all the construction administration.



## Section 2: Project Team Qualifications

### ELR Firm Overview

E.L. Robinson is a multi-disciplined engineering /planning firm with a staff of over 130 full-time professionals and support personnel located in seven offices throughout West Virginia (Charleston corporate office, Beckley and Chapmanville), Kentucky, and Ohio. Over the last 30 years, E.L. Robinson has grown to one of the largest firms in the region, offering a diverse scope of services. Since 1978, E.L. Robinson has provided 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., the firm has based its success on a commitment to quality projects with superior client service. Finding new and creative ways to say yes to challenges has brought the firm's 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 the firm 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.

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





## Section 2: Project Team Qualifications

### Miller Firm Overview



#### Firm Profile

*Our engineered solutions involve a detailed assessment process: investigation, observation, communication with stakeholders, system analysis, building modeling and engagement from our entire team. We approach each and every project with this process and the guiding principle that buildings are designed to be livable and function in their intended purpose.*

*Over the past 13 years Miller Engineering, Inc. (MEI) has engineered solutions for over \$17.2M in mechanical system upgrades, repairs and renovations for projects of all scopes and sizes, with clients ranging from private owners to local and state governments.*



*With a strict attention to detail and commitment to delivering a job done well and done right the first time, every time, MEI has accumulated a change order percentage of less than 0.1% over the past 8 years.*

*Our team has unique skill-sets regarding engineered renovation solutions. Each member of the team has hands-on mechanical system experience including installation, construction, design and maintenance.*



*Miller Engineering takes pride in being different by design, and that difference shines through in all phases of our work and continued relationships with our clients.*

#### Additional Benefits

- Experienced and Licensed Professional Engineers
- Quality, Value-Engineered Project Delivery
- Qualified Construction Representative on Staff
  - LEED-AP Certified
- Below Industry Change Order Status
- Building Information Modeling
- Interactive Solutions Provider
- Emergency Facility Response



#### Engineering Design and Consultation

- Mechanical
- Electrical
- Plumbing
- HVAC Design
- Renovation
- New Construction

#### Aquatic Facility Design

Public Pools & Areas  
ADA Compliance  
Indoor & Outdoor (air flow)  
Chlorination/Filtration

Construction Administration  
Maintenance/Facility Improvement Plans  
Contract Administration  
Code Observation

#### Communication System

Intercomm & Public Address  
Voice/Data/CATV  
Urgent Response

#### Energy

Power Supply (main & backup)  
Green & Renewable Consulting  
Systems Utilization & Upgrades  
Sustainable Solutions

#### Facility Utilization

Systems Assessment & Solutions  
Adaptive Re-use  
Planning/Life-Cycle Control  
Engineered Replacement

#### Life Safety Inspection/Design

Fire Protection & Alarm Systems  
Access Control  
Fire & Electrical Investigation

#### Industry Experience

Education  
Local & State Government  
Commercial Development  
Healthcare  
Public Pools (indoor & outdoor)  
Department of Parks & Recreation

## Section 2: Project Team Qualifications

### Team Qualifications

Our team will be led by **Mr. Jeff Nelsen, PLA**, a project manager with an extensive background in park and recreation planning and design. He has completed park master plans, preliminary design and construction documents for lodges, campgrounds, picnic areas, day use areas, cabins and trails for federal, state and city parks. In the past 2 years, Mr. Nelsen has served as the project manager for WVDNR's projects at Beech Fork, North Bend, Tomlinson Run, Stonewall Jackson and additional county and city parks. **Mr. Nelsen**, also has completed nineteen park projects throughout West Virginia and Kentucky in the past 5 years. Mr. Nelsen will again serve as project manager for the Beech Fork and Pipestem Campground Projects, providing the point of contact with you and coordination of the planning and design efforts of the ELR Team.

Other key staff members that will be assigned to this project are as follows:

**Mr. Ed Robinson, P.E., P.S.**, will serve as Quality Control and Quality Assurance representative for the project team. Mr. Robinson has over 40 years experience in the engineering and construction field, where he has been a member of many associations and boards within the design field.

**Mr. Tim Cart, P.E.** is a Civil, Structural and Geotechnical Engineer who has provided all the reports, plans and specifications for the referenced demolition projects previously identified. Tim has over 30 years of experience with landslide and abandoned mine land design solutions, infrastructure design for sewer and water line extensions and structural design for many buildings across the state.

**Mr. Eric Coberly, P.E.** has more than 25 years of experience managing projects involving site development, infrastructure planning, water, sewer, geotechnical analysis, abandoned mine reclamation, building construction, and active surface mining.

**Mr. Todd Garnes**, has more than 15 years of experience as a civil draftsman and designer. He is proficient in numerous drafting and mapping software platforms. His proficiency spans multiple areas such as Civil 3D, GIS, construction inspection, water and wastewater planning and design, site development, county-wide planning, and document preparation.

**Mr. Tom Rayburn, P.S.**, will be assigned to oversee all Surveying activities. Our team of surveyors, managed by Mr. Rayburn, provides the latest in technology and experience in surveying and mapping. By using GIS based mapping and high-tech instrumentation, E.L. Robinson's survey team can evaluate any type of surface including lakes and river bottoms. Other services pertaining to surveying that our company specializes in are aerial photogrammetry consulting, hydrographic surveying, land surveying and GPS surveying.

**Mr. Craig Miller, P.E.** will be the principal electrical engineer for the ELR team. He has over 20 years experience with electrical, HVAC, plumbing and infrastructure upgrades and will direct his staff with design and construction management of the electrical upgrades for the campgrounds.

**Mr. Travis Taylor, P.E.** will serve as an electrical engineer for the project. He has completed electrical and/or HVAC projects at Pipestem, Beech Fork and Holly River State Parks.

**Mr. Rob Angus** has more than 20 years in construction management and will be involved in the electrical infrastructure construction oversight.

**Ms. Heather Woods-Shaffer, Construction Manager**, has 20 years experience in all phases of construction projects. She has worked as inspector on WV Highway and Bridge projects throughout the state and has extensive knowledge and certification in all aspects of field testing for soils, concrete and aggregates.

**Mr. Michael Hodges, Construction Inspector**, has provided construction observation for the non traditional transportation project and other projects in West Virginia and will provide that same service for this project.



## Section 2: Project Team Qualifications

### Team Qualifications

Personal Experience Matrix						
Tasks	Personnel					
Preliminary Engineering Design	JN	EC	CM	TC	TG	TR
Final Design Engineering	JN	EC	CM	TC	TT	TG
Construction Engineering / Management	JN	HW	RA	CM		
Inspection Services	MH	RA				
Infrastructure Projects	JN	EC	CM	TT	TG	
Permitting	JN	EC	TC	TG	TT	
Environmental Mitigation	TC	JN	EC			

Legend	
Abbr.	Personnel
JN	Jeff Neisen
TC	Tim Cart
EC	Eric Coberly
TR	Tom Rayburn
TG	Todd Garnes
WW	Heather Woods-Shaffer
MH	Michael Hodges
CM	Craig Miller
TT	Travis Taylor
RA	Rob Angus

### Capacity to do Work

We are currently preparing plans for WVDOH, local Public Service Districts, WVDNR and other clients. E.L. Robinson assures West Virginia Division of Natural Resources that the Beech Fork and Pipestem Campground Improvement Project assigned to us will be performed by the experience team assembled because we have the capacity to perform numerous projects at any given time frame.

### Past Performance

The list of projects in Section 3 reflect recently completed projects with many funded by state and federal funds. All of the projects completed have been done within the available grant and local funds accomplishing the scope of work envisioned prior to construction. The short outline of each project addresses cost control, project schedules and the quality of work is reflected in projects completed within budget and with limited changes orders.

Additional detail within the project profiles will be found later in this expression of interest.



**Section 2: Project Team Qualifications**  
Organizational Chart

**West Virginia Division of  
Natural Resources  
Parks & Recreation Section**

**Chief, Engineering**  
Brad Leslie, P.E.

**QA/QC**

Ed Robinson, P.E., P.S.

**Project Manager**  
Jeff Nelsen, PLA

**Electrical  
Engineering**

Craig Miller, P.E.  
Travis Taylor, P.E.

**Water &  
Wastewater  
Engineering**

Tim Cart, P.E.  
Eric Coberly, P.E.  
Wendell Williams  
Todd Garnes

**Surveying**

J. Tom Rayburn, P.S.  
Jack Worstell

**Construction  
Inspection**

Heather Woods-Shaffer  
Michael Hodges  
Rob Angus



**Edward L. Robinson, P.E., P.S.**  
President



## **Education**

M.S. Civil Engineering, University of West Virginia (COGS), 1981

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

## **Registrations**

Registered Professional Engineer in West Virginia, Kentucky, Ohio, Pennsylvania, North Carolina, South Carolina, Virginia, Georgia, Maryland and Colorado

Registered Professional Surveyor in West Virginia

## **Professional Experience**

Mr. Robinson founded E. L. Robinson Engineering Co. in 1978 with four employees. Initially the firm provided land surveying and land development services. Over the course of the next 20 years, the firm added water and wastewater engineering as well as structural inspection services simultaneously growing to 14 employees.

Under his leadership, E. L. Robinson enters the new millennium as a multi-disciplined professional services firm that utilizes the latest technology in the design of highways, bridges, structures, environmental, civil, and geotechnical projects as well as global position satellite surveying, right-of-way, construction inspection and architectural services.

The firm now employs more than 85 engineers, landscape architects, surveyors and support personnel and has been converted to an employee owned company through an Employee Stock Ownership Plan (ESOP).

## **Professional Memberships**

National Society of Professional Engineers

American Society of Civil Engineers

Water Environmental Federation

## **Offices Held**

Chairman of WVUIT Advisory Board

President of West Virginia Council of Engineering Companies

Chairman Transportation Committee – WV Association of Consulting Engineers



# Edward L. Robinson, P.E., P.S.

*(continued)*

State Director of West Virginia Society of Professional Engineers

President of West Virginia Society of Professional Engineers

Assistant Treasurer of the American Society of Civil Engineers

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

President of West Virginia Section of ASCE

## **Honors Awarded**

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

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

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

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

Engineering Entrepreneur of the Year – Ernst & Young, 2001

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



**Jeff Nelsen, PLA**  
Project Manager



## Education

Bachelor of Science in Landscape Architecture

West Virginia University, 1976

## Registrations

Professional Landscape Architect in West Virginia, Indiana, Ohio, Maryland, Virginia, and Kentucky

## Professional Experience

Mr. Nelsen has practiced landscape architecture for over 39 years principally in West Virginia but also has completed projects in Ohio, Indiana, Pennsylvania and Kentucky. His professional experience has afforded him opportunities to assist clients with park and recreation planning and design, community and urban planning, streetscape design, campus planning for elementary, secondary and higher education facilities and site planning and design for residential, commercial and public places. He has been involved in environmental planning and restoration especially lands degraded from past mining practices. He has managed site development on significant projects such as the Stonewall Jackson Resort and the Tamarack Art Center yet enjoys working with clients and communities assisting them visualize the improvements for their parcels and neighborhoods.

## Representative Projects

**Clay Center for the Arts and Sciences, Charleston, WV:** Prepared construction and bidding documents and provided construction administration for a new public plaza space at the corner of Leon Sullivan Way and Washington Street for Charleston's premier performing arts and science center. The site's design called creating a cool green zone for people to gather informally and as an entertainment venue for special events. The relative flat site consisted of a circular plaza and fountain surrounded by a concentric ring of granite seat walls at the edge of the pavement radiating outward into the lawn area. Large 4" and 6" caliper Linden and Honeylocust trees were planted to create a shaded canopy for the space in front of the center.

**Washington Street Streetscape, Charleston's East End, WV:** Prepared master plan, construction and bidding documents and provided construction administration services for the remaining segment of the Washington Street streetscape from the state Capitol grounds to Charleston Area Medical Center which entailed a ½ mile of sidewalk replacement, new street lighting, brick accent pavements, street trees, landscaping, utility line relocation and burial and new underground electrical service for 30 structures. Total budget for the project was approximately two million dollars.

**Rich Mountain, Laurel Hill and Corrick's Ford Civil War Battlefields, Randolph, Barbour and Tucker Counties, WV:** These are three distinct battlefields but are all related to each other because they are a progression of the first major

## Jeff Nelsen, PLA

(continued)

conflict in northwestern Virginia in July, 1861 between approximately 9000 Union soldiers led by General George McClellan and 5000 Confederate troops led by General Robert Garnett. The armies engaged each other at these three locations over a week's time resulting in the defeat of the Confederate forces. This early Union victory allowed Union sympathizers in the western counties of Virginia to organize a secessionist movement to form the new state of West Virginia. Services included providing master planning, interpretation recommendations, signage and trail development for each of these sites with archeological and historical consultants on the team. The planning and design efforts of these new public lands were focused on preservation and interpretation of each site's story about West Virginia's role in the Civil War.

**Tamarack Art Center, Beckley, WV:** Working with the architect for the project prepared the site master plan and managed design for all exterior improvements including access road, bus and car parking, earthwork, stormwater management, utility design, pedestrian walkways and plaza spaces, fountain design, landscaping, and irrigation design. This \$20 million facility is widely recognized in West Virginia and surrounding states as one of the finest venues for West Virginia artisans.

**Stonewall Jackson Resort, Roanoke, WV:** In the most recent major expansion of a West Virginia State Park, assisted the developer in an unique public private partnership to build new facilities at the park which included master planning for a lodge, golf course, expanded campgrounds, cabins, expanded day use facilities, trails and other site features. Prepared documents for regulatory review by the USACOE, WVDEP, and WVDNR. Managed the development of site preparation construction documents for the lodge, golf clubhouse, cabin area, and future campground areas. Assisted the golf course design team with storm water management and permitting issues. After the completion of new facilities have continued to assist the developer on future proposed amenities for the resort.

**BOPARC Master Plan Update, Morgantown, WV:** Due to the significant growth in Morgantown, assisted the Morgantown Board of Park and Recreation Commission with an update of the existing and proposed park facilities maintained by the City of Morgantown. This involved site review of approximately 20 facilities, development of a needs analysis survey and interpretation of its findings, preparation of new master plans for each park, preparation of cost opinions and phased recommendations for the planned \$12 million of improvements.

**Aspen Village, Timberline Resort, Canaan Valley, WV:** Provided master planning and managed site design, permitting and engineering for a new 50 lot subdivision near Timberline. The development involved grading layout for lots, roads, drives, utilities, pond enlargement, and site amenities. Project entailed 30 duplex and triples units and 20 single family lots. Coordinated utility extensions with each respective company and assisted several of the property owners with site planning of their home sites.

**West Side Community Renewal Plan, Charleston, WV:** Working with the Charleston Urban Renewal Authority, Charleston Planning Department and community leaders on the West Side developed the largest urban renewal plan within the city encompassing 228 acres and almost 900 buildings. With assistance of a public facilitation consultant held a series of meetings with residents and business owners to gain input into their vision for the plan. The adopted recommendations identified significant public and private recommendations with the strongest focus on a new home ownership zone around the new elementary school planned on Florida Street.





## **B. Craig Miller, PE**

Craig founded Miller Engineering in 2003, and serves as President and Principal Engineer. He has more than 20 years experience in design, specification, operations and project management. During his employment with WVU, Craig was directly involved with approximately \$130 million in new capital construction. His experience with a wide range of projects including HVAC, electrical, plumbing, infrastructure upgrades, building automation, energy efficiency and maintenance/renovation, among others, allows him to serve in multiple capacities within a given project. Craig will serve as the "Relationship Manager" for Miller Engineering as the main communication interface between the Owner, the design team, contractors and end users.

### **Project Role: Relationship Manager - Primary Point of Contact**

- *Engineer in Responsible Charge*
- *Design and Project Management of Mechanical, Electrical, Plumbing Projects*
- *Concept and Construction Design*
- *Business Operations and Financial Management Oversight*
- *Quality Assurance and Control*

### **Professional Project Highlights**

- WVU Recreation Center Indoor Pool – Owner’s Engineer
- WVU Life Sciences Building and Student Recreation Center – Owner’s Engineer
- Camp Virgil Tate
- Mapletown High School HVAC Replacement
- Advanced Surgical Hospital
- Holly River State Park Primary Electric Service Replacements Phase I & II
- Beech Fork State Park – MEP New Construction Design
- WVU Willowdale Walkway

### **Professional History**

2003- Present	Miller Engineering, Inc.	President, Relationship Manager
2002-2003	Casto Technical Services	Existing Building Services Staff Engineer
2001-2002	Uniontown Hospital	Supervisor of Engineering
1995-2001	West Virginia University	Staff Engineer
1990-1995	BOPARC	Caretaker – Krepps Park
1983-1988	University of Charleston	Electrician/HVAC Mechanic

### **Education**

1995	West Virginia University	BS- Mechanical Engineering
1988	University of Charleston	BA- Mass Communications

### **Licenses and Certifications**

- Professional Engineer (West Virginia, Pennsylvania, Maryland, and Ohio)
- Licensed Master Plumber
- LEED-AP Certified

# Timothy B. Cart, P.E., P.S.

## Project Engineer

### Education

B.S. Civil Engineering, West Virginia University, 1981

### Registrations

Registered Professional Engineer in West Virginia and Ohio

Registered Professional Surveyor in West Virginia

### Professional Memberships

American Society of Civil Engineers

### Professional Experience

Mr. Cart has over 25 years of experience in providing consulting engineering services. Clients served have included Industrial, Public and Private Institutions and State and Federal Agencies.

Mr. Cart has served as Project Engineer on numerous geotechnical investigations over the years. These projects have included highways, bridges, industrial sites and private development.

Mr. Cart has been involved in numerous projects where demolition of an existing structure was deemed the best way to alleviate dangers to the public. These projects have ranged from providing structural inspections of existing structures for government agencies, for single family dwellings in rural areas and multi-story hotels in urban areas.

Mr. Cart has also served as the Sewer Project Engineer for numerous projects revolving new structures where the existing property was occupied by an existing building. Demolition of the existing structure was necessary to prepare the site for the new facility.

He has designed numerous waterline extensions and sewer collection systems. These extensions have included providing service to many residential as well as industrial customers. The sewer collection systems have included design of systems to collect sewage from residential and industrial sites. Mr. Cart served as project engineer on several major waste water treatment plant upgrades for industrial clients in the Kanawha Valley. He has designed several plants to serve industrial as well.

Mr. Cart has performed over 100 Abandoned Mine Land Reclamations projects throughout Appalachia. These projects have been mainly in Ohio, West Virginia and Eastern Kentucky. These projects have involved draining flooded mine workings, support of ground experiencing or subject to Mine subsidence and the stabilization of landslides.

Mr. Cart has designed numerous retention and retaining ponds for sites. These designs have involved the determination of storm runoff and design of structures to safely retain and pass the required storm peak flows.



# Timothy B. Cart, P.E., P.S.

*[continued]*

His experience includes permitting activities for projects which have included:

- Railroad Occupancy Permits for Utilities
- NPDES Permits for Industrial and Public Wastewater Facilities
- Highway Permits for Utility Occupancy and Access Road Tie Ins
- Health Department Permits for Water and Sewer Projects
- US Corps of Engineers Permits - Nationwide and Individual
- West Virginia Public Lands Permits

## Representative Projects

**WVDOH - Nicholas County - Maintenance Headquarters Facility:** Mr. Cart performed a structural analysis on wall panels, garage door headers and pre-fabricated truss system for a wood framed building. Panels and trusses were originally designed by 84 Components Company. St. Albans West Virginia and E.L. Robinson Engineering Staff determined loads based on BOCA and ASCE-7 and performed check calculations of all wall panels, trusses and other building components. Where stresses were found to be too high, additional members or alternative members were added. After correction a summary report of the analysis was provided to the WVDOH for review.

**Pump Station Buildings - South Putnam PSD:** Mr. Cart designed several pump station buildings to house the portable water pumps for the South Putnam PSD – Water System. These designs included overhead rail systems To assist maintenance personnel in the removal of pumps from the facilities.

**Preston County - Buckwheat Express - Bus Storage Facility:** Mr. Cart designed the concrete foundation system for the 132' x 80' metal building to be erected in a high snow load and high wind load environment. Building loading was based on the International Building Code and applicable portions of the ASCE-7 for wind loading.

**Blackwater Falls State Park:** He has designed 75 x 60 timber framed building to provide shelter and screening of a WWTP in a state park. The design included a foundation system capable of resisting both vertical, lateral and uplift loading. The design incorporates rough timber to blend the building into the natural surroundings.

Mr. Cart has performed numerous structural inspections of homes and buildings throughout the Kanawha Valley and State of West Virginia. He has also prepared reports which detail the structural deficiencies and recommendations on necessary repairs.

**Eric Coberly, P.E.**  
**Project Engineer**



**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, specifically in mining, site development, water and wastewater projects.

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 the operations of the Abandoned Mine Lands Office. This program is responsible for reclaiming lands damaged due to coal mining that occurred prior to 1977. The Office investigates, plans, designs, bids and oversees construction projects reclaiming these abandoned mines. The budget for the Office is approximately \$66 Million with a staff of nearly 60 employees.

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.

**Representative Projects**

Project Manager on over 80 West Virginia Department of Environmental Protection Abandoned Mine Lands reclamation projects

Glen Rogers waterline replacement Project: Project Manager responsible for design and construction oversight of waterline replacement project.

Lavalette PSD Route 52 Waterline Extension Project: Project Manager responsible for design and construction oversight of \$5 Million waterline extension project.

Mingo County Redevelopment Wood and Belo Industrial Parks: Project Manager responsible for design and construction oversight of \$4.5 million site development project that involved over 2 million cubic yards of earthwork and infrastructure development of over 120 acres.

Williamson DHHR Facility: Project Manager responsible for design and construction oversight of \$2.5 million office facility. Project included the geotechnical analysis, foundation design, site grading, water, sewer and storm water design for the facility.

Mason County 911 Facility: Project Manager responsible for design and construction oversight of \$1.5 million office facility. Project included the geotechnical analysis, foundation design, site grading, water, sewer and storm water design for the facility.

Flatwoods Canoe Run PSD - Exchange Road Waterline Extension Project Phase I: Project Manager responsible for the design of a \$3 million waterline extension project.

## **Eric Coberly, P.E.**

*[continued]*

**Norton Harding Jimtown PSD - Scott Road/Findley Orad Waterline Extension Project: Project Manager responsible for design of \$1.2 million waterline extension project.**

**Putnam Development Authority - Business Park Utility Extension Phase II: Project Manager responsible for design of \$1 million multiple utility extension.**

**Wayne County 2010 Plan - Project Manager responsible for the development and implementation of a county wide plan for waterline extensions.**

**Additionally, Mr. Coberly was the initial Project Manager through funding on several projects including Lavalette Route 37, Crum PSD Route 152, Dingess Phase I, Twin Branch Racetrack and Holden Water Project.**





## **Travis Taylor, PE**

Experience in project management facilitates Travis's ability to create and design constructible projects. Prior to joining the Miller Engineering team he was directly responsible for managing \$10 million in electrical construction budgets. His experiences encompass both new construction and renovation. Travis maintains professional competencies by attending seminars and continuing education classes. As lead engineer he provides HVAC, mechanical, plumbing and electrical design solutions and services for our clients. In addition, he is part of our team's complete assessment process in both planning and MEP design through construction administration.

### **Project Role: Lead MEP Engineer**

- *Design of Mechanical, Electrical, and Plumbing Systems*
- *Constructible Materials Evaluation*
- *Site Evaluation and Mechanical System Review*
- *Submittal and RFP Review*
- *RFI Coordination, Review, and Response*
- *Construction Observation*

### **Professional Project Highlights**

- Krepps Park ADA Upgrades
- Holly River State Park Primary Electric Service Replacements Phase I & II
- Beech Fork State Park Lodge Design Development
- Pipestem Lodge McKeever Lodge HVAC Piping Replacement
- WV Veterans Memorial Restoration
- Bobtown Elementary School HVAC Upgrades

### **Professional History**

2011-Present	Miller Engineering, Inc.	Staff Engineer
2006-2011	Tri-County Electric, Co.	Project Manager
2006-2006	Schlumberger	Field Engineer Trainee - MWD

### **Education**

2006 West Virginia University, BS – Mechanical Engineering

### **Licenses and Certifications**

- Professional Engineer - State of West Virginia
- OSHA 10-hour Course: Construction Safety & Health

# Todd Garnes Designer



## Education

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

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

## Computer Skills

ArcView 10.1, AutoCAD, AutoCAD Map, MicroStation, Microsoft Office, Civil 3-D

## Professional Experience

Mr. Garnes has more than 15 years of experience as a civil draftsman and designer. He is proficient in numerous drafting and mapping software platforms. His proficiency spans multiple areas such as Civil 3D, GIS, construction inspection, waterline planning and design, sanitary sewer planning and design, site development, cathodic protection planning, county-wide planning, infrastructure cataloging, and document preparation.

## Representative Projects

Kermit Bypass – Core Drilling Inspector

Robinson Creek Bridge – Core Drilling Inspector

Rahall Transportation Institute Land Use Master Plans – Boone, Clay, Fayette, Lincoln, Logan, McDowell, Mercer, Wayne, Wyoming, Raleigh, Upshur, Webster, and Marshall Counties

GIS – Marshall County 10 Year Comprehensive Water and Sewer Study

GIS – Brooke County Land Use Inventory

B&H Towing Project

Town of Gilbert

- Slabtown, Tamcliff and Paynter Bottom Waterline Extension Project
- Horsepen, Gilbert Creek and Browning Fork Waterline Extension
- River Bend Road Waterline Extension
- Upper Gilbert Creek Waterline Extension

Logan County PSD

- Upper Little Harts Creek Waterline Extension
- Big Harts Creek Waterline Extension
- Marsh Fork Waterline Extension
- Hidden Valley/Airport Road Waterline Extension
- Ridgeview Sewer – Railroad Permits



# Todd Garnes

[continued]

## Lincoln PSD

McCorkle Railroad Crossing

## Lincoln EDA

Lower Mud River Waterline Extension

## Queen Shoals PSD Waterline Extension

## Town of Chapmanville Water Upgrade Project

## West Virginia American Water

Sanderson/Dutch Ridge Waterline Extension

Miller Mountain Waterline Extension

Upper Winifrede Waterline Extension

## Mingo County Redevelopment Authority

King Coal Highway Water and Sewer Project

Mingo Central High School Water and Sewer Project

Mingo County Airport Water and Sewer Project

## Putnam County Development Authority

Putnam County Business Park Utilities Extension Project

## Norton Harding Jimtown PSD

Scott Run/Findley Road Waterline Extension Project

## Town of Matewan

Red Jacket Sanitary Sewer Upgrade Project

## South Charleston Sanitary Board

Corridor G Sanitary Sewer Study

## Enervest

Ravenclyff Operations System Inventory and Monitoring

## Chester Engineers

Bluescape Pipeline Cathodic Protection System

## Crestwood Midstream Partners, LLC

## Doddridge and Harrison County Pipeline Close Interval Survey GIS Mapping

## Doddridge and Harrison County - Cathodic Protection Ground Beds and Reports





**J. Tom Rayburn, P.S.**  
Chief Surveyor



## **Education**

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

## **Registrations**

Registered Professional Surveyor in West Virginia

## **Professional Memberships**

American Congress on Surveying and Mapping

The American Association for Geodetic Surveying (AAGS)

Member Organization of ACSM.

Cartography and Geographic Information Society (CaGIS)

Geographic and Land Information Society (GLIS)

National Society of Professional Surveyors (NSPS)

West Virginia Association of Land Surveyors, Inc.

## **Professional Experience**

Mr. Rayburn currently serves as Manager of Surveying for E.L. Robinson Engineering (ELR) and has more than 30 years of Design Surveying and Construction Surveying experience. The responsibilities include management of surveying and control for various design projects, including highways, buildings, and bridges. In addition, Mr. Rayburn manages and performs work consisting of courthouse research for property ownership resolution for the above mentioned project types. This includes preparation of property resolution maps, deed descriptions for property acquisitions required for project plan preparation. Mr. Rayburn has experience in Geodetic Control Surveys, 3D Laser Scanning, Photogrammetric Control, Topographic Surveys, Cemetery Surveys, Boundary Surveys, Construction Stakeout, Subdivision Surveys, along with Hydrographic surveys of river and lake bottoms. A few of the more notable surveying projects performed by ELR under the supervision of Mr. Rayburn, has been the Blennerhassett Bridge Project, 11 continuous miles of Corridor H design surveys, GPS Control for the West Virginia Statewide Mapping and Addressing Board Project, 3D Laser Scan and mapping of the CAMC Parking Garage partial collapse, and 3D Laser Scanning of I64/I77 Retaining Wall for Monitoring.



# J. Tom Rayburn, P.S.

[continued]

## Representative Projects

### Design Surveys

- **Corridor H (WVDOT) Hardy County, WV:** Lead Surveyor for Design Surveys, Right of Way Staking, etc. for approximately 11 miles of Corridor H in Hardy County, WV. This was for Sections 6 & 7 of Corridor H, both Sections of which are now under construction. Estimated construction cost of \$150 million dollars.
- **WV Route 10 (WVDOT) Logan to Man WV, Logan County, WV:** Lead Surveyor for Design Surveys for a section approximately five miles in length from Man, WV, to Rita, WV, including the Man Bridge. Also provided control surveying for the entire project length of approximately 12 miles. The approximate five miles section of roadway is now under construction at an estimated cost of \$51 million dollars.
- **Blennerhassett Bridge, Corridor D (WVDOT), Wood County, WV:** Lead Surveyor for Design Surveys for this landmark Bridge Project which is now under construction at an estimated cost of \$120 million dollars.
- **James Ramsey Bridge (WVDOT) Potomac River, Shepardstown, WV:** Lead Surveyor for Design Surveys for this Bridge Project which is now completed at an estimated cost \$15.5 million dollars. This project involved working in an environmentally historic area, which adjoined a National Park.
- **US Route 35 (WVDOT) Mason County, WV:** Lead Surveyor for Design Surveys for two Design Sections each approximately 2.5 miles in length from Lower Five Mile Road to Upper Nine Mile Road. Also provided control surveying for the entire US 35 design project length of approximately 22 miles.
- **I64/US 35 (WVDOT) I64 to US 34 Crooked Creek, Putnam County, WV:** Lead Surveyor for Design Surveys, Right of Way Staking, etc. for approximately four miles of US 35 including Interstate 64 Ramps and Flyovers in Putnam County, WV. This included the I64 Bridges and Flyovers, which is now under construction.
- **ATB-Parrish Road (ODOT) Ashtabula County, Ohio:** Project Design Surveyor for rail grade separation project. Project involved roadway realignment, 900' new bridge, new waterline, storm and sanitary sewers. Project is currently under construction. Estimated construction cost: \$8.6 million.
- **PIC-23-3.21 and Various (ODOT) Pickaway County, Ohio:** Project Design Surveyor for ODOT Project PIC-23-3.21 and Various. Project involves deck replacements along 11 miles of US 23 in Pickaway County. Project includes large diameter culvert liner, interchange upgrade that includes mainline profile correction, ramp reconstruction, and addition of barrier wall and storm drainage. Project is currently under design (90%). Project scheduled for construction in 2007. Estimated construction cost: \$12 million.
- **ATB-90-22.06 (ODOT) Ashtabula County, Ohio:** Project Design Surveyor for Interstate Reconstruction Project. Project includes total pavement replacement, bridge widening, and contra – crossover maintenance of traffic, culvert replacements and storm sewer rehabilitation and sign replacements. Project is currently under design (50%) and scheduled for construction in 2011. Estimated construction cost: \$36 million.

### Construction Surveys

- **Corridor D (WVDOT) Wood County, WV:** Lead Surveyor for Highway/Bridge Construction Monitoring surveys for the following segments of Corridor D and related relocation projects:

## J. Tom Rayburn, P.S.

*(continued)*

- Godbey Athletic Field Relocation Construction
- Godbey Colt Field and Soccer Field Construction
- West WV 47-East WV 47 Highway/Bridge Construction
- East Buckeye-West Little Kanawha River Highway/Bridge Construction
- **Interstate I-79 Widening and Median Barrier (WVDOT) Harrison County, WV:** Lead Surveyor for construction layout surveys for the widening of I-79 from the Meadowbrook Exit, north to the Jerry Dove Exit approximately three miles in length, as a subcontractor to the prime contractor.
- **CAMC 33rd Street Relocation and Building Expansion, Charleston, WV:** Lead Surveyor for construction layout surveys for 33rd Street relocation along with ancillary items including sidewalks, drainage and utilities. Also layout surveys for building expansion project.
- **Saturn Dealership, Hurricane, WV:** Lead Surveyor for Saturn Dealership site development and access roads at Hurricane Interchange of Interstate 64.
- **Arch Coal WV Mining Operations:** Lead Surveyor as a subcontractor to Arch Coal operations for Valley Fill Construction (Up to 27 million cubic yard fills), mine haul road layout, drill line staking, and dragline pit layout.



# Heather Woods-Shaffer

## Construction Inspection Administrator



### Education

Meigs High School, Meigs County, Ohio, 1989

### Certifications

Bridgmont, Transportation Engineering Technician Level III

Portland Cement Concrete Technician

Portland Cement Concrete Inspector

Aggregate Sampling Inspector

Compaction Inspector

Radiation Safety Officer (RSO)

OSHA 30-hour Occupational Safety & Health Training Course in Construction

E.L. Robinson Safety Officer

### Professional Experience

Mrs. Woods-Shaffer has 20 years experience in all phases of construction projects. She has worked as inspector on WV Highway and Bridge projects throughout the state and has extensive knowledge in all aspects of field testing for soils, concrete and aggregates.

Mrs. Woods-Shaffer now works as E.L. Robinson Engineering's Construction Inspection Administrator. Her duties include, but are not limited to, providing for and overseeing the Construction Inspection portion of E.L. Robinson Engineering. She is charged with preparing for and securing construction inspection and the testing of jobs throughout the State of West Virginia, assigning personnel, and preparing invoices for reimbursement from inspection jobs.

### Representative Projects

**Corridor D Projects, Parkersburg, WV - Lead Field Inspector:** 2 projects associated with the construction of a 4 lane highway as part of Appalachian Corridor D

**Big Tyler Widening Project, Cross Lanes, WV - Lead Field Inspector:** This project consisted of building a third lane through 1.5 miles of Cross Lanes with 109 driveways, pipe and inlets that ran the length of the project, along with curb and gutter, sidewalks and all utilities.

**Hamlin Public Service District, Hamlin, WV - Lead Field Inspector:** This project consisted of PSD sewer line upgrade for the new Lincoln County High School. Project consisted of a new pump station and wet well, 2 river crossings and 4900 LF of new sewer line.

**Route 35 Design Build, Putnam County, WV Assistant Quality Control Manager:** Manager of Field Quality Control Testing and Field Inspection for all phases of construction.

**Quality Control Manager: Manager of Field Quality Control Testing and Invoices:** Mason County Us 35 Project U-327-G-35-8.72; Mon Fayette Project X331-109-0.00; Corridor H Project APD - 0484 (308); and Corridor H Project APD - 0484 (305).



## **Robert Angus**

20 Years of maintenance, operations, and construction management precede Rob's engagement with Miller Engineering. Professional expertise of construction project management was gained as an owner of his own contracting company specializing in residential and commercial construction, electrical, plumbing, and HVAC projects. Rob's hands-on approach, common sense and valuable work history knowledge enables him to interface with construction personnel seamlessly alongside engineers and architects. He is adept at preventing and handling issues. Rob is involved at the estimation phase

to allow for continuity within the project's design and construction.

### **Project Role: Construction Representative**

- *Construction Project Representation and Management*
- *Project Cost Estimation*
- *Submittal Review*
- *RFI, RFPCO Review and Response*

### **Professional Project Highlights**

- 3<sup>RD</sup> Party Construction Observation – Canaan Valley Resort
- Advanced Surgical Hospital
- Cheat Lake Elementary HVAC Upgrade
- Suncrest Middle School Gym HVAC Upgrade
- North Elementary School Boiler/AC
- Mapletown Jr./Sr. High School HVAC/Boiler Upgrade
- WVU Research Building Office Renovation

### **Professional History**

2009- Present	Miller Engineering, Inc.	Aquatic Construction Representative
2000-2009	Angus Contracting, LLC	Owner/Operator
1991-2000	BOPARC	Director of Maintenance

### **Education**

2000	Monongalia County Technical Education Center	Heating, Cooling, and Refrigeration Certification
1996	West Virginia University	Recreation and Parks Administration

### **Licenses and Certifications**

- Licensed West Virginia General Contractor
- Licensed West Virginia HVAC Contractor
- Certified HVAC Mechanic Contractor
- Licensed West Virginia Journeyman Electrician
- Licensed West Virginia Master Plumber
- OSHA 10-Hour Construction Safety & Health

# Michael Hodges

Inspector / Technician



## Education

B.A. Finance, Marshall University, 1995

Completed right-of-way Acquisition seminar while employed by E.L. Robinson Engineering Co.

## Certifications

Certified WVDOH Compaction Technician

Certified WVDOH Aggregate Inspector

ACI Concrete Technician

Certified Water Sample Collector

## Professional Experience

Mr. Hodges has been with E.L. Robinson Engineering Co. since graduating from Marshall University. While still in school, he worked on E.L. Robinson Engineering Co.'s survey crew during the summer months and school breaks on E.L. Robinson's DEP projects.

Mr. Hodges has experience running Total Stations on several surveys in regards to: highways, roads and bridges, property lines, boundary surveys, topographic surveys, utility surveys and subdivision lots. He has experience running GPS units for aerial mapping and topographic surveys.

## Representative Projects

Mr. Hodges has performed construction inspections on the following projects:

Putnam County Sewer line at I-64 Interchange, Pigeon Creek Waterline for DEP in Mingo County, 18 Mile Creek Waterline for Putnam County Commission West Virginia American Water Company and Coolridge PSD Waterline.

In 1998, he inspected a \$1 million waterline project in Kanawha County. In addition, he has extensive experience in pipe laying, and working with heavy machinery.

Mr. Hodges has inspected bridge construction including core drilling, pile driving, rebar placement and concrete pours. He has inspected cut and fill operations including compactions tests and has checked grade work and asphalt placement. Mr. Hodges has also inspected utility and lighting placement, erosion and sediment control projects as required by WVDEP. He has been involved in the inspection of at least seven bridges on the Corridor D project.

Mr. Hodges has been the inspector on the Charles Pointe project in Bridgeport, West Virginia. He has performed the inspection of infrastructure for a business park including utilities, storm, road, lighting, sidewalk, curbs, gutter, asphalt and landscaping.



## Section 3: Project Team Experience

**Projects:** The following projects represent our ability to **manage design and construction budgets and schedules**. Project profiles of a portion of these projects follow this listing.

**Project:** Logan Pedestrian Bridge

- **Owner:** City of Logan
- **Scope:** 234 feet steel with concrete deck pedestrian bridge across Guyandotte River braid at Logan High School
- **Construction Cost:** \$522,800
- **Change Orders:** 0
- **Schedule:** Completed December 2014 within allotted time

**Project:** North Bend State Park Campground Upgrades

- **Owner:** WVDNR
- **Scope:** Storm drainage improvements and upgrades for waterline and electrical service for River Run Campground
- **Construction Cost:** \$250,000 est
- **Change Orders:** N/A
- **Schedule:** Spring 2016

**Project:** Stonewall Jackson Resort Pedestrian Bridge

- **Owner:** West Virginia Division of Natural Resources
- **Scope:** 900 linear feet timber frame bridge across the lake.
- **Construction Cost:** \$411,202 within the funds available for the project.
- **Change Orders:** One - \$26,653 for additional scope items.
- **Schedule:** Completed in the allotted 180 days by 12/2011.

**Project:** Stonewall Jackson Resort Park Pathway

- **Owner:** West Virginia Division of Natural Resources
- **Scope:** Paved Shoulders on 1/2 mile of park access road for bicycle and pedestrian use.
- **Construction Cost:** \$227,000
- **Change Orders:** Construction Administration by WVDNR
- **Schedule:** Completed by March 2013 within contact schedule

**Project:** Wayne County Bike Path

- **Owner:** Wayne County Commission, Town of Ceredo, & City of Kenova
- **Scope:** Master Plan and first phase of share the road bike route for 5.5 miles, with signs and trail heads.



## Section 3: Experience

- **Construction Cost:** \$16,483
- **Change Orders:** 1 - \$768.00 for a Project Sign
- **Schedule:** Completed in 10/2009 within allotted 120 days.

**Project:** Wayne County Bike Path - Ceredo Sidewalks

- **Owner:** Wayne County Commission, Town of Ceredo, and City of Kenova
- **Scope:** Add or replace sidewalk along Bike Path in Ceredo
- **Construction Cost:** \$100,872
- **Change Orders:** 2 - for \$10,755.00 for additional scope items of accessible ramps & storm drainage
- **Schedule:** Completed in 170 day time frame in March, 2012 in conjunction with Kenova Sidewalks.

**Project:** Wayne County Bike Path - Kenova Sidewalks

- **Owner:** Wayne County Commission, Town of Ceredo and City of Kenova
- **Scope:** Add or replace sidewalk along Bike Path in Kenova
- **Construction Cost:** \$111,919
- **Change Orders:** 2 - \$11,140.00 for additional scope items of accessible ramps and storm drainage
- **Schedule:** Completed in 170 day time frame in March, 2012 in conjunction with Ceredo Sidewalks.

**Project:** South Charleston Pedestrian & Bicycle Trail Corridors

- **Owner:** City of South Charleston
- **Scope:** Master Plan of Trail Development for the City
- **Construction Cost:** N/A
- **Change Orders:** N/A
- **Schedule:** Completed in 120 Days

**Project:** Tomlinson Run State Park Accessible Fishing Site

- **Owner:** West Virginia Division of Natural Resources
- **Scope:** Accessible walking to fishing platform and restroom to lake's edge
- **Construction Cost:** \$69,775
- **Change Orders:** N/A
- **Schedule:** Bid Fall, 2015

**Project:** Sandy Hook Community Park

- **Owner:** City of Sandy Hook
- **Scope:** Urban park for festivals at Elliot County seat along with amphitheater and town clock
- **Construction Cost:** \$114,000





## Section 3: Experience

- **Change Orders:** 0
- **Schedule:** Completed August 2014 within contract period

### **Project:** John Henry Historical Park

- **Owner:** Summers County Commission
- **Scope:** Master Plan, Environmental, Archeological Phase 1, Survey & Phase 1 Construction Documents
- **Construction Cost:** \$185,147
- **Change Orders:** 3 - Increase of contract by \$3,000 for additional guardrail.
- **Schedule:** Completed within the 186 days, allowing for winter shut down, by June, 2012

### **Project:** Beech Fork State Park Lodge Development

- **Owner:** WV Division of Natural Resources
- **Scope:** Site development, roads, bridges, infrastructure for lodge development, includes stream and wetland mitigation design
- **Construction Cost:** Estimated \$35,000,000
- **Change Orders:** N/A
- **Schedule:** Project put on hold March 2015 after design development phase completed

### **Project:** Allegheny Highlands Trail Comfort Facility

- **Owner:** City of Parsons
- **Scope:** Site development for prefabricated concrete restroom
- **Construction Cost:** \$76,920 est.
- **Change Orders:** 0
- **Schedule:** Construction complete by December 2015

### **Project:** Tucker County Recreation Trail

- **Owner:** Tucker Community Foundation
- **Scope:** Trail head development and trail extension for Davis' connection to Allegheny Highlands Trail
- **Construction Cost:** \$150,000 grant amount
- **Change Orders:** N/A
- **Schedule:** Contract underway



## Section 3: Experience

**Project: Blackwater Falls State Park Sewage Treatment**

- **Owner:** WVDNR
- **Scope:** Design, bidding and construction observation new enclosed sewage treatment for the lodge.
- **Construction Cost:** \$600,000
- **Change Orders:**
- **Schedule:** 2008

**Project: Tygart Lake State Park Wastewater Treatment**

- **Owner:** WVDNR
- **Scope:** Design, bidding and construction observation of new sewage treatment package plant
- **Construction Cost:** \$118,000
- **Change Orders:**
- **Schedule:** 2008

**Project: Holly River State Park Wastewater**

- **Owner:** WVDNR
- **Scope:** Design and construction observation of a 2000 gallon wastewater plant
- **Construction Cost:** \$66,000
- **Change Orders:**
- **Schedule:** 1999

**Project: Southern Wayne County Water System Upgrade**

- **Owner:** Wayne County Commission, Lavalette PSD, Crum PSD
- **Scope:** Infrastructure design, construction documents and construction inspection
- **Construction Cost:** \$52 million
- **Change Orders:**
- **Schedule:** 9 projects from 2006-2016

**Project: Town of Wayne Combined Sewer**

- **Owner:** Town of Wayne
- **Scope:** Design bidding and construction inspection and administration for storm /sanitary separation of sewer along Twelve Pole Creek
- **Construction Cost:** \$3 million
- **Change Orders:**
- **Schedule:** 2013 completed



## Section 3: Experience

**Project:** Lower Mud River Water Extension Project

- **Owner:** Lincoln PSD
- **Scope:** Planning, design and construction services for 93,600 LF of 8" waterline and 100,000 gallon tank and other related appurtenances
- **Construction Cost:** \$6,452,000
- **Change Orders:**
- **Schedule:** Funding pending

**Project:** Wayne Water Storage Tank No. 2 Rehabilitate, Sandblast and Repaint Project

- **Owner:** Town of Wayne
- **Scope:** Planning, design and construction monitoring for a 152,000 gallons water storage tank
- **Construction Cost:** \$95,700
- **Change Orders:**
- **Schedule:** Completed

**Project:** Raleigh County PSD Drews Creek Water Project

- **Owner:** Raleigh County PSD
- **Scope:** Design and construction inspection for 57,000 LF of 8" waterline, a booster pump station and a 105,000 gallon tank
- **Construction Cost:** \$2.3 million
- **Change Orders:**
- **Schedule:** Completed

**Project:** Raleigh County PSD Airport Ameagle

- **Owner:** Raleigh County PSD
- **Scope:** Planning, design and construction monitoring for a booster pump station and a 400,000 gallon tank
- **Construction Cost:** \$5.1 million
- **Change Orders:**
- **Schedule:** Completing April 2016



## Section 3: Experience

**Project:** Raleigh County PSD Pluto Bragg Water Project

- **Owner:** Raleigh County PSD
- **Scope:** Planning, design and construction monitoring for a 138,000 gallon water storage tank, a pressure reducing station and waterline
- **Construction Cost:** \$7.1 million
- **Change Orders:**
- **Schedule:** Completing July 2016

**Project:** Corridor H Segments

- **Owner:** West Virginia Division of Highways
- **Scope:** Prepared PS&E and mitigation design for Foreman to Moorefield and Bismark to Davis Sections
- **Construction Cost:** \$75,000,000
- **Change Orders:** N/A
- **Schedule:** Last 6 years

**Project:** Abandoned Mine Land Project (statewide)

- **Owner:** West Virginia Department of Environmental Protection
- **Scope:** Numerous projects restoring land and waters of the state from post mining impacts
- **Construction Cost:** N/A- Millions of dollars in AML construction
- **Change Orders:** N/A
- **Schedule:** Last 30 years



## Projects



### Logan Pedestrian Bridge



**CLIENT:**  
City of Logan

Serafino Nolletti, Mayor  
219 Dingess Street  
Logan, WV 25601  
304.752.4044

**COMPLETION DATE:**  
December 2014

**PROJECT COST:**  
\$522,800

**OUR ROLE:**  
Survey, design, bidding through the City and construction administration

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



### North Bend State Park Campground Upgrades



**CLIENT:**  
WV Division of Natural  
Resources

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

**COMPLETION DATE:**  
2016

**PROJECT COST:**  
\$250,000 (first phase) est

**OUR ROLE:**  
Topographical survey, civil  
and electrical engineering,  
material selection, construction  
documents, and construction  
observation

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

## Descriptions of Past Projects Completed – HVAC Piping

### Pipestem McKeever Lodge

Pipestem, WV

#### Services Provided:

- HVAC
- Plumbing
- Electrical
- Accommodation of Existing Systems

**Estimated Budget: \$1.7M**

**Facility Area: 63,000 ft<sup>2</sup>**

**Owner: West Virginia Division of Natural Resources**



The original HVAC piping at McKeever Lodge had exceeded its lifespan and had been suffering from corrosion leading to multiple leaks, including one causing an electrical service outage. Miller Engineering was hired to investigate the existing piping, discovering all of the piping required replacement. As this lodge is regularly occupied for larger conferences, the project had to be phased to minimize the amount of guest rooms taken out of service at one time. MEI also designed provisions to interconnect the lodge's two separate boiler/chiller plants so one plant could operate the entire lodge at a partial capacity while the other plant was replaced and re-piped. This interconnect also allows the lodge to operate in the event of a boiler or chiller outage. Power was provided to new equipment, and motor control centers were added to control the building loop pumps. A new building controls system was installed to allow the plants to run at optimum efficiency while meeting the lodges heating and cooling needs.

#### Project Contact:

*Carolyn Mansberger, Project Manager*  
State Parks Section  
(304) 558-2764

## Stonewall Jackson Resort Park Pedestrian Bridge



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

It will be a 10' wide timber pile bridge with appropriate wooden decking and handrail. The accessible approach on the lodge side is complete and the contractor will be required to connect the bridge to that existing approach. At the campground end of the bridge an alignment will be shown on the plans that will allow for the Resort to build that accessible approach separate from the bridge construction.

### CLIENT:

West Virginia Division of  
Natural Resources

James G. Schotsch, P.E.  
WVDNR-Parks and Recreation  
1200 Harrison Ave, Ste. 222  
Elkins, WV 26241  
Phone: 304.637.0301  
E-Mail: james.g.schotsch@  
wv.gov

**COMPLETION DATE:**  
2011

**PROJECT COST:**  
\$400,000

### OUR ROLE:

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





## Stonewall Jackson Resort Park Pathway Project



**CLIENT:**  
West Virginia Division of  
Natural Resources

James G. Schotsch, P.E.  
WVDNR-Parks and Recreation  
1200 Harrison Ave, Ste. 222  
Elkins, WV 26241  
Phone: 304.637.0301  
E-Mail: james.g.schotsch@  
wv.gov

**COMPLETION DATE:**  
2011

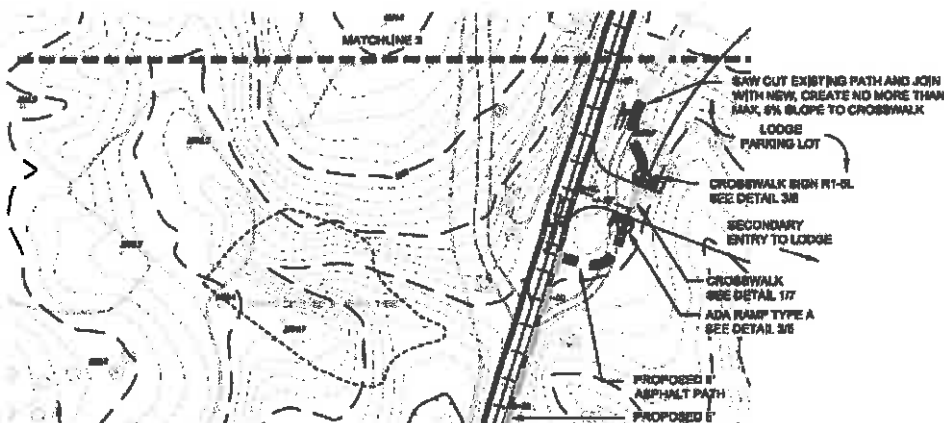
**PROJECT COST:**  
\$227,000

**OUR ROLE:**  
Site design, structural  
engineering, landscape  
architecture, construction  
documents, bidding and  
construction observation.

This project involves the construction of a new pedestrian pathway along the main park road from the intersection with the park office / marina road to a trail head parking area near the cabin area totally over 1 mile in length.

The first phase includes construction of a concrete curb and sidewalk and asphalt walkway inclusive of all signage, drainage elements, handrail, other asphalt pavements, crosswalks, accessible ramps and other items from the park office road entry to the connection with the existing pathway on the north side of primary entry to the lodge.

The second phase is the connection with the existing pathway near the golf clubhouse road across the lake's causeway ending at the trail-head parking area near the cabin area.



## Descriptions of Past Projects Completed – High Voltage Repair

### Holly River State Park

Hacker Valley, WV

#### Services Provided:

- High Voltage Electrical Design
- Emergency Repair
- Installation

**Estimated Budget: \$2.4M**

**Facility Area: 8,101 acres of recreational space**

**Owner: West Virginia Division of Natural Resources**



Emergency electrical supply was restored to select areas of the park in phase 1 due to the timing of the storm and the onset of winter. Phase 1 was a priority for the owner (WVDNR) and went from start of design to bid in less than 4 weeks. Coordination with the DOH and the DEP were facilitated during this short turnaround in order to restore electrical supply to the administrative areas.

Our team designed and developed a plan to restore power to the park and reduce future outages. MEI's design solution opted for burying 2.5 miles of electrical supply cabling in conduit, demo of the existing storm damage-prone overhead service, reclaiming PCB transformers and re-connecting all existing electrical loads. During Phase 1, MEI noted several concerns and safety issues which needed to be addressed long term.

MEI worked with the client to both document and estimate the cost to address code deficiencies and issues, which the client used to secure funding. Phase 2 design of the replacement of 9,000 feet of high voltage cabling and PCB transformers has been completed and is bidding.

Phase 2 addresses the long-term reliability and code deficiencies in the remainder of the park, particularly the campground areas.

#### Project Contact:

*Bradley S. Leslie, PE, Assistant Chief  
WVDNR State Parks Section  
(304) 558-2764 ext. 51826*

## Project Experience – Beach and Bathhouse

### Tygart Lake State Park

Grafton, WV

#### Services Provided:

- Mechanical
- Electrical
- Plumbing
- Commercial Kitchen Update
- Construction Administration

**Estimated Budget: \$995k**

**Facility Area: 4 acres**

**Owner: West Virginia Division of  
Natural Resources**



Previously the beach area was nothing more than a concrete slab prone to algae infestation creating a slip hazard. Paths and recreation areas were ill-defined, lacking clear flow or direction and did not contribute to natural surroundings. After a site review, an overall plan was developed by Miller Engineering and is now a successfully completed project. The State Park is a popular recreation destination for Morgantown area residents. The beach area and access, volleyball, horse shoe, grilling and bath house were all renovated. The kitchen received code compliant updates and additional electric capacity to add a concession stand in the future.

#### Project Contact:

**Bradley S. Leslie, PE, Assistant Chief**  
WVDNR State Parks Section  
Phone: (304) 558-2764

## Ceredo and Kenova Bike Paths



**CLIENT:**  
Cities of Ceredo and Kenova

**COMPLETION DATE:**  
December, 2011

**PROJECT COST:**  
\$250,000.00

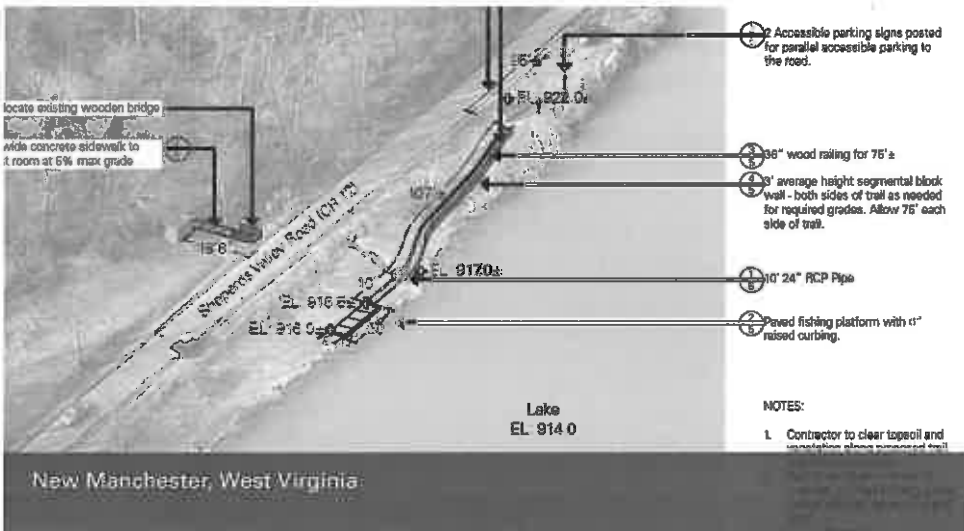
**OUR ROLE:**  
Master planning, construction documents, bidding and construction observation.

The Wayne County Commission, along with the cities of Ceredo and Kenova, have envisioned a bike path beginning at Virginia Point Park, West Virginia's western most point in Kenova and continuing onto Ceredo and eventually linking other trails in Huntington and Cabell County.

E.L. Robinson's landscape architects were retained to develop a master plan for this path, through a series of public participation workshops eventually creating a plan using a combination of share the road routes, abandoned rail right of ways, floodwall levees, and active rail right of ways to create over 12 miles of bicycle trails within the cities boundaries. The first phase involves development of the share the road routes with development of rail heads and signage.



## Tomlinson Run State Park Accessible Fishing Site



**CLIENT:**  
WV Division of Natural Resources

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

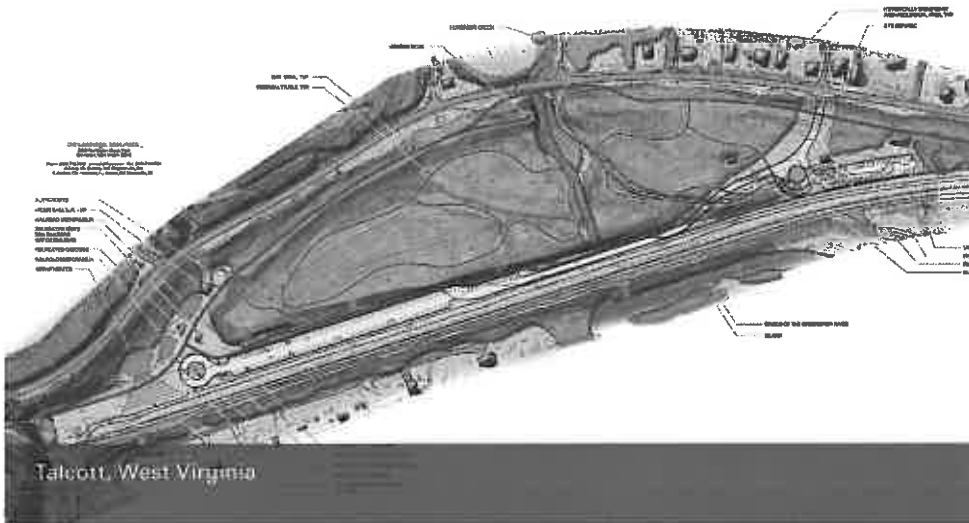
**COMPLETION DATE:**  
December 2015

**PROJECT COST:**  
\$57,767 est

**OUR ROLE:**  
Site design, material selection, construction documents, and construction observation

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

## John Henry Historical Park



**CLIENT:**  
Summers County Commission

Rick Moorefield  
WVU Extension Agent  
Summers Memorial Building  
97 Park Avenue  
Hinton, WV 25951  
Phone: 304.466.7113  
E-Mail: rick.moorefield@mail.wvu.edu

**COMPLETION DATE:**  
June, 2012

**PROJECT COST:**  
First Phase: \$185,000, Total 1.5 Million

**OUR ROLE:**  
Master planning, survey, environmental and archeological analysis, design construction documents, bidding and construction adm.

The John Henry Park Steering Committee, in cooperation with the Summers County Commission, seeks to develop a park at the Great Bend Tunnel, site of the legendary man versus machine battle of John Henry and the steam drill. The 26 acre parcel, formerly owned by CSX, has been purchased by Summers County, for the park's development. The land is located in the community of Talcott, at the east entry of the Tunnel, between the active CSX railroad track and WV Route 3.

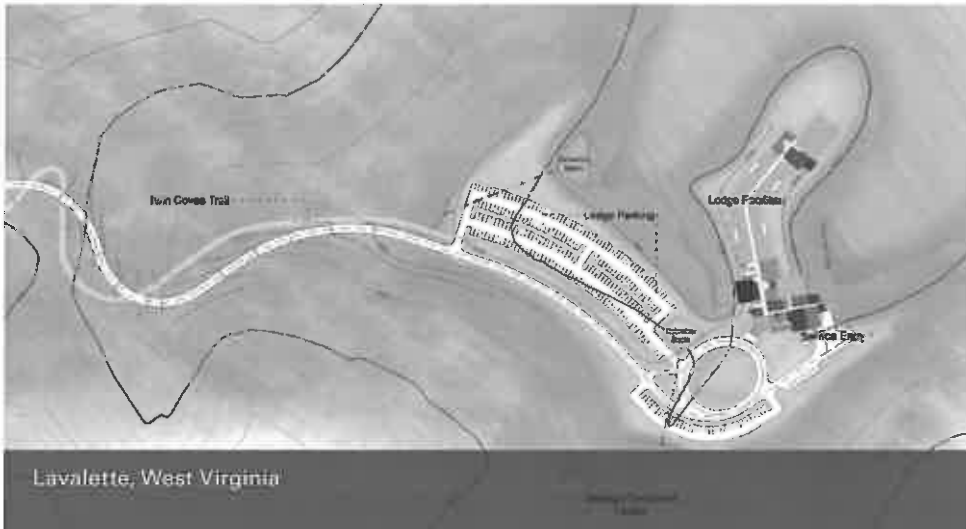
The Steering Committee retained E.L. Robinson (ELR) in 2005 to assist with the development of the master plan, provide environmental review, funding request and provide an accurate topographical survey of the park parcel.

The major park elements called for an access road and parking for both cars and buses, a visitor center/ museum, rail trail, nature & interpretive trails, railroad exhibits, amphitheater,

Relocation of the John Henry statue closer to the Great Bend Tunnel opening, picnicking, shelters and several overlooks on State Route 3 and within the park. The park would also be linked via trails/sidewalks with the Town and the elementary school.



## Beech Fork State Park Lodge Feasibility Study

**CLIENT:**

West Virginia Division of  
Natural Resources

Brad S. Leslie, P.E.

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

**COMPLETION DATE:**

2018 est.

**PROJECT COST:**

Total Architecture & Site  
Related Cost \$35 Million

**OUR ROLE:**

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

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

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

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

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



## Allegheny Highlands Trail Comfort Facility



ELR prepared design documents for a prefabricated restroom structure for its site construction and installation within the City of Parsons Mill Race Park along the Allegheny Highland Trail to serve the trail users. The design included ADA compliant sidewalk connections to the restroom, utility connections to the city's sanitary sewer and water lines and underground electrical utility service.

**CLIENT:**  
WV Division of Highways

Ms. Cindy Dougherty,  
Community Development  
Specialist  
West Virginia Division of  
Highways  
Program Planning &  
Administration Division  
Grant Administration Unit  
1900 Kanawha Boulevard, East  
Building 5, Room 450  
Charleston, WV 25305-0430

**COMPLETION DATE:**  
December 2015

**PROJECT COST:**  
\$76,920 est

**OUR ROLE:**  
Site design, material selection,  
construction documents,  
bidding and construction  
observation





### Blackwater Falls State Park Sewage Treatment Plant Replacement



**CLIENT:**

West Virginia Division of  
Natural Resources, Parks and  
Recreation

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

**COMPLETION DATE:**

2008

**PROJECT COST:**

\$600,000

**OUR ROLE:**

Design and Construction  
Observation

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

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



### Tygart Lake State Park Wastewater Treatment Plant



**CLIENT:**

West Virginia Division of  
Natural Resources, Parks and  
Recreation

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

**COMPLETION DATE:**

1998

**PROJECT COST:**

\$118,000

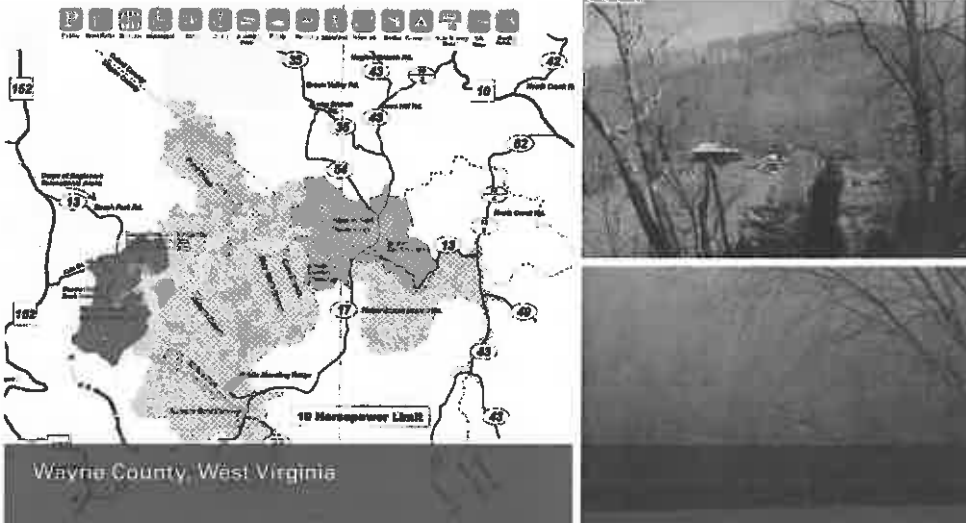
**OUR ROLE:**

Design and Construction  
Observation

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

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

## Southern Wayne County Water System Upgrades and Extensions



**CLIENT:**  
Wayne County Commission

**Additional Project Members:**  
Lavalette PSD  
Crum PSD

Bob Pasley,  
President of Wayne County  
Commission  
700 Hendricks St.  
Wayne, WV 25570  
Phone: 304.272.6592

**9 Total Projects**

**COMPLETION DATE:**  
2006 to 2016

**PROJECT COST:**  
\$52 Million

**OUR ROLE:**  
Design and Construction  
Observation

E.L. Robinson provided engineering design services and geo-technical services to areas of Wayne County for water system upgrades and extensions. The scale of this project is tremendous. It is divided into nine separate projects and will be performed sequentially. The entire project covered 517 square miles and will service approximately 6,000 residents when complete. The total coverage for the County will be approximately 90%. The project costs an estimate total of nearly \$52 million. The first project started in 2006 and is continuing with 3 completed, 2 under design and one bidding at present (2012).

The scope of work included construction drawings, preparation of funding application and personal meetings with the client. E.L. Robinson not only provided services such as design and funding guidance, but provided a team of trained construction inspectors available to observe the work until final completion.

## Lower Mud River Water Extension Project



**CLIENT:**  
Lincoln PSD

**COMPLETION DATE:**  
Funding Pending

**PROJECT COST:**  
\$6.45 Million

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

E. L. Robinson Engineering Company was selected by Lincoln Public Service District to provide planning, design and construction services for the Lower Mud River Water Extension Project. The project will make service available to approximately 164 potential residential and small commercial customers (370 persons) in the Lincoln County communities of Lower Mud River, Laurel Creek, Straight Fork, Buffalo Creek, Little Buffalo Creek and surrounding areas.

The project consists of the construction of approximately 93,600 linear feet of 8-inch and smaller diameter water main, one 100,000 gallons storage tank, one pressure reducing station, fire hydrants, valves, individual customer services and other related appurtenances.

## Descriptions of Past Projects Completed – Lighting Upgrade

### **WVU Willowdale Walkway**

**Morgantown, WV**

#### **Services Provided:**

- Electrical Engineering
- Lighting Design
- Power System Design

**Estimated Budget: \$185k**

**Location: Morgantown, WV**

**Owner: West Virginia  
University**



The project was initiated at the request of the University's Student Government as a response to concerns for student safety in the area. Both the vehicular and pedestrian traffic has increased in the area in recent years, increasing the likelihood of incident or accident. The objective was to create lighting that met all design criteria, providing ample illumination without creating a blinding hazard to motorists. The project goal was to provide maximum lighting for student safety without creating a blinding hazard for drivers or light pollution for housing in the area. Significant changes in road grade can easily create a blinding hazard for drivers, so computer modeling was performed prior to construction to help ensure the elimination of hazards. A variation of the University's standard lighting fixture was incorporated to provide daylight integration of design standards, but in the evening achieve safety lighting as per the project goals. The walkway lighting system design resulted in a safer environment for both students and drivers.

#### **Project Contact:**

*Paul Hanko, Facilities Manager  
West Virginia University  
Phone: (304)293-7773*

## Raleigh County PSD Draws Creek Water Project



**CLIENT:**  
Raleigh County PSD

**COMPLETION DATE:**  
July 2009

**PROJECT COST:**  
\$2.3 Million

**OUR ROLE:**  
Design and construction  
inspection

E.L. Robinson assisted the Raleigh County Public Service District in the extension of its Arnett Water System to serve 140 new customers along Peachtree Creek and Draws Creek in Raleigh County. The project involves constructing approximately 57,000 lineal feet of eight-inch and smaller diameter water lines, a booster station and a 105,000 gallon storage tank.



## Raleigh County PSD Airport/Ameagle Water Project



**CLIENT:**  
Raleigh County PSD

**COMPLETION DATE:**  
April 2016

**PROJECT COST:**  
\$5.1 Million

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

E.L. Robinson Engineering is assisting the Raleigh County Public Service District in the upgrade of its Airport Water System and in the extension of its Clear Creek Water System to serve the community of Ameagle and to provide a new source of water to the Sycamore Water System. The Airport Water System upgrade primarily includes replacing an existing 300 gpm booster station and constructing a 400,000 gallon water storage tank. The total project will provide new water service to approximately 70 customers and provide improved pressure and adequate available storage capacity to hundreds more.

### Corridor H - Foreman to Moorefield & Davis to Bismarck Sections Roadway Design



**CLIENT:**  
WV Department of  
Transportation Division of  
Highways

Mike Lilly, PE  
1900 Kanawha Blvd. East  
Charleston, WV 25305 Phone:  
304.558.9699

**COMPLETION DATE:**  
Design Completed in 2006  
Open to Traffic in 2010  
Davis section opens in 2015

**PROJECT COST:**  
\$75 Million

**OUR ROLE:**  
Design and Construction  
Observation

E.L. Robinson Engineering Company was contracted by the West Virginia Department of Transportation, Division of Highways to design 2 sections totalling 7 miles of four lane divided highway, known as Corridor H, in Hardy, Grant and Tucker Counties of West Virginia. This project also included access roads, a truck escape ramp, three bridges, and a naturalized stream design. Right of way plans for the road and the section of the trail system on the Davis to Bismarck section were completed.

Our Roadway group utilized their expertise to conduct alignment studies (saving the Division of Highways approximately \$20 Million), surveying, right-of-way, maintenance of traffic, drainage, access roads, signing, pavement markings and utility relocations. The Structures group designed dual structures approximately 185 feet long, another 85 foot long structure, as well as a box culvert. Also involved in the project was E.L. Robinson Engineering Company's team of geotechnical engineers which provided geotechnical investigations and studies, which helped design the 10 million cubic yards of excavation.



## Section 4: References

### **Mr. Ryan Burns, Project Manager**

WV Division of Highways  
1900 Kanawha Blvd., East  
Building 5, Room 450  
Charleston, WV 25305-0430  
304.558.9297

### **Mr. Serafino Nolletti**

City of Logan  
219 Dingess Street  
Logan, WV 25601  
304.752.4044

### **Mr. Bob Pasley, President**

Wayne County Commission  
700 Hendricks Street  
Wayne, WV 25570  
304.272.6592

### **Mr. James Ramey, III, Mayor**

Town of Wayne  
1300 Norfolk Avenue  
Wayne, WV 25570  
304.855.4582

### **Ms. Teresa Payne**

Raleigh County PSD  
P.O. Box 1286  
Sophia, WV 25921  
304.683.4090

### **Mr. Rick Moorefield**

WVU Extension Agent  
451 1st Avenue, Ste. 200  
Hinton, WV 25951  
304.466.7113



## Client References

### What our satisfied customers have to say...

"Hard working, do-whatever-it-takes, diligent team that provides excellent customer service is what you can expect from Miller Engineering."

--Chris Halterman

"As a design/build team, working with Miller Engineering, our project involving a private surgical hospital together was a success – completed ahead of schedule and on budget. Miller worked with us throughout the project to consult, engineer and inspect the mechanical systems. Craig Miller, PE and his staff are working with us again, and are very important members of our design/build team. I highly recommend their services.

--Richard J. Briggs

<p><b>Busty Webber</b>            Director of Public Works            City of Grafton            214 Front St.            Grafton, WV 26354            (304) 265-1234  <a href="mailto:cityofgrafton@hotmail.com">cityofgrafton@hotmail.com</a></p>	<p><b>Kerri J. Wade, MSW</b>            Extension Agent - Kanawha            County            West Virginia University            4700 MacCorkle Avenue, SE            Suite 101            Charleston, WV 25304            304.720.9573  <a href="mailto:Kerri.Wade@mail.wvu.edu">Kerri.Wade@mail.wvu.edu</a></p>	<p><b>Christopher T. Halterman</b>            Director of Operations            The Dominion Post            1201 Earl Core Rd.            Morgantown, WV 26505            (304) 291-9479  <a href="mailto:chalterman@dominionpost.com">chalterman@dominionpost.com</a></p>
<p><b>Pat Sweeney</b>            Business Manager            Southeastern Greene School            District            1000 Mapletown Rd.            Greensboro PA 15338            (724) 943-3052  <a href="mailto:Sweeney.pat@segsd.org">Sweeney.pat@segsd.org</a></p>	<p><b>Mike Trantham</b>            Program Administrator Senior            WVU Environmental Health &amp;            Safety            P.O. Box 6551            975 Rawley Avenue            Morgantown, WV 26506            (304) 293-5785  <a href="mailto:Mike.Trantham@mail.wvu.edu">Mike.Trantham@mail.wvu.edu</a></p>	<p><b>Richard J. Briggs</b>            Vice President            Lutz Briggs Schultz &amp; Associates            Inc.            239 Country Club Drive            Ellwood City, PA 16117-5007            (724) 758-5455  <a href="mailto:lbsa@zoominternet.net">lbsa@zoominternet.net</a></p>

### From Jonathan Miller, Mechanical Project Manager, Nitro Mechanical:

"Miller Engineering is not your average engineering company; they work with the owner AND the contractor to solve all issues that arise throughout the project to make the process as fluid as possible."

## Section 5: Required Attachments





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

State of West Virginia  
 Centralized Expression of Interest  
 02 – Architect/Engr

Proc Folder: 146150

Doc Description: Addendum; A&E-Campground Improvements Beech Fork/Pipestem

Proc Type: Central Contract - Fixed Amt

Date Issued	Solicitation Closes	Solicitation No	Version
2015-10-21	2015-11-18 13:30:00	CEOI 0310 DNR1600000005	2

**BID RECEIVING LOCATION**


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

**VENDOR**

Vendor Name, Address and Telephone Number:

**FOR INFORMATION CONTACT THE BUYER**

Guy Nisbet  
 (304) 558-2596  
 guy.l.nisbet@wv.gov

Signature X  FEIN # 55-0594633 DATE 11-13-15

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

ADDENDUM ACKNOWLEDGEMENT FORM  
SOLICITATION NO.:

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

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

Addendum Numbers Received:  
(Check the box next to each addendum received)

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

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

E.L. Robinson Engineering Co.  
Company

[Signature]  
Authorized Signature

11-13-15  
Date

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

**CERTIFICATION AND SIGNATURE PAGE**

By signing below, or submitting documentation through wvOASIS, I certify that I have reviewed this Solicitation in its entirety; understand the requirements, terms and conditions, and other information contained 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.L. Robinson Engineering Co.  
(Company)

Jeff L. Nelsen, Proj Mgr.  
(Authorized Signature) (Representative Name, Title)

304.776.7473 304.776.6426 11-13-15  
(Phone Number) (Fax Number) (Date)

STATE OF WEST VIRGINIA  
Purchasing Division

**PURCHASING AFFIDAVIT**

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

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

**DEFINITIONS:**

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

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

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

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

**WITNESS THE FOLLOWING SIGNATURE:**

Vendor's Name: E. L. Robinson Engineering Co.

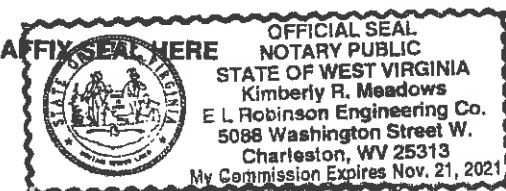
Authorized Signature: [Signature] Date: 11.13.15

State of West Virginia

County of Kanawha, to-wit:

Taken, subscribed, and sworn to before me this 13 day of November, 2015.

My Commission expires November 21, 2021.



NOTARY PUBLIC [Signature]  
Purchasing Affidavit (Revised 08/01/2015)

**CERTIFICATE OF LIABILITY INSURANCE**

DATE (MM/DD/YYYY)  
10/07/2015

**THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.**

**IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).**

**PRODUCER**  
USI Ins Svcs C/L Charleston  
1 Hillcrest Drive East  
Charleston, WV 25311  
304 347-0611

**CONTACT NAME:** Sherry Hersman  
**PHONE (A/C, No, Ext):** 304 347-0631 **FAX (A/C, No):** 304 347-0605  
**E-MAIL ADDRESS:** sherry.hersman@usi.biz

INSURER(S) AFFORDING COVERAGE		NAIC #
INSURER A:	Phoenix Insurance Company	25623
INSURER B:	Travelers Property Cas. Co. of	25674
INSURER C:		
INSURER D:		
INSURER E:		
INSURER F:		

**INSURED**  
E L Robinson Engineering Co.  
5088 Washington Street  
Charleston, WV 25313

**COVERAGES CERTIFICATE NUMBER: REVISION NUMBER:**

**THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.**

SR	TR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A		<b>GENERAL LIABILITY</b> <input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR  GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PROJECT <input type="checkbox"/> LOC			Y6307C662365PHX15	02/08/2015	02/08/2016	EACH OCCURRENCE \$1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$300,000 MED EXP (Any one person) \$10,000 PERSONAL & ADV INJURY \$1,000,000 GENERAL AGGREGATE \$2,000,000 PRODUCTS - COMP/OP AGG \$2,000,000 \$
B		<b>AUTOMOBILE LIABILITY</b> <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS <input checked="" type="checkbox"/> NON-OWNED AUTOS			Y8107C662365TIL15	02/08/2015	02/08/2016	COMBINED SINGLE LIMIT (Ea accident) \$1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
B		<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> DED <input checked="" type="checkbox"/> RETENTION \$0			YSMCUP7C662365TIL1	02/08/2015	02/08/2016	EACH OCCURRENCE \$10,000,000 AGGREGATE \$10,000,000 \$
B		<b>WORKERS COMPENSATION AND EMPLOYERS' LIABILITY</b> ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? <input checked="" type="checkbox"/> Y <input type="checkbox"/> N (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below		N/A	YKUB8C83585615	02/08/2015	02/08/2016	<input checked="" type="checkbox"/> WC STATUTORY LIMITS <input type="checkbox"/> OTHER E.L. EACH ACCIDENT \$1,000,000 E.L. DISEASE - EA EMPLOYEE \$1,000,000 E.L. DISEASE - POLICY LIMIT \$1,000,000

**DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)**

**Evidence of Insurance**

**CERTIFICATE HOLDER**

**CANCELLATION**

To Whom It May Concern

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE







ELROBIN-01

DEROY

# CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)  
10/7/2015

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

**IMPORTANT:** If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER <b>MVB Insurance, LLC.</b> 100 Washington St. East Charleston, WV 25301	CONTACT NAME: <b>Deanne Roy</b>	FAX (A/C, No): <b>(304) 908-4607</b>
	PHONE (A/C, No, Ext): <b>(304) 340-5120</b>	E-MAIL ADDRESS: <b>droy@mvbinsurance.com</b>
INSURER(S) AFFORDING COVERAGE		NAIC #
INSURER A : <b>Continental Casualty Company</b>		<b>20443</b>
INSURED <b>E.L. Robinson Engineering of Ohio Co.</b> 1801 Watermark, Suite 310 Columbus, OH 43215		
INSURER B :		
INSURER C :		
INSURER D :		
INSURER E :		
INSURER F :		

**COVERAGES**                      **CERTIFICATE NUMBER:**                      **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSURER	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
	<b>COMMERCIAL GENERAL LIABILITY</b> <input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> OCCUR  GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:						EACH OCCURRENCE \$ DAMAGE TO RENTED PREMISES (Ea occurrence) \$ MED EXP (Any one person) \$ PERSONAL & ADV INJURY \$ GENERAL AGGREGATE \$ PRODUCTS - COMP/OP AGG \$ \$
	<b>AUTOMOBILE LIABILITY</b> <input type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS <input type="checkbox"/> NON-OWNED AUTOS						COMBINED SINGLE LIMIT (Ea accident) \$ BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
	<b>UMBRELLA LIAB</b> <input type="checkbox"/> OCCUR <b>EXCESS LIAB</b> <input type="checkbox"/> CLAIMS-MADE DED    RETENTION \$						EACH OCCURRENCE \$ AGGREGATE \$ \$
	<b>WORKERS COMPENSATION AND EMPLOYERS' LIABILITY</b> ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N	N/A				PER STATUTE    OTH-ER E.L. EACH ACCIDENT \$ E.L. DISEASE - EA EMPLOYEE \$ E.L. DISEASE - POLICY LIMIT \$
A	<b>Prof &amp; Pollution</b>			<b>AEH591889985</b>	<b>07/01/2015</b>	<b>07/01/2016</b>	<b>\$5,000,000/5,000,000</b>
A	<b>Prof - deductible</b>			<b>AEH591889985</b>	<b>07/01/2015</b>	<b>07/01/2016</b>	<b>\$100,000</b>

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)  
Evidence of Insurance

**CERTIFICATE HOLDER**                      **CANCELLATION**

For Information Only

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE  
*Deanne K. Roy*

## Section 6: Certifications



# CERTIFICATE OF *Authorization*

STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS

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

**E. L. ROBINSON ENGINEERING COMPANY  
C00165-00**

**Engineer in Responsible Charge: EDWARD ROBINSON - WV PE 006918**

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

**July 1, 2015 - December 31, 2015**

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

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



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

BOARD PRESIDENT

# CERTIFICATE OF *Authorization*

STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS

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

**MILLER ENGINEERING, INC.**

**C02108-00**

**Engineer in Responsible Charge: BRIAN MILLER - WVPE 015184**

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

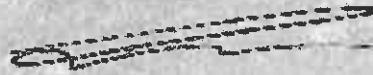
**July 1, 2015 - December 31, 2015**

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

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



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



BOARD PRESIDENT



**E.L. ROBINSON**  
ENGINEERING

T: 304.776.7473  
F: 304.776.6426