

WEST VIRGINIA

DNR

Buffalo and Leon Public Access Sites Improvements

Solicitation No.
CEOI 0310 DNR2500000002



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WV PURCHASING
DIVISION

Project contact:

Eric Coberly, PE • 304.833.9021

5088 Washington Street W • Charleston, WV 25313



E.L. ROBINSON
ENGINEERING

www.elrobinsonengineering.com



WV Department of Administration - Purchasing Division
ATTN: Mr. Joseph E. Hager, III
2019 Washington Street, East
Charleston, WV 25305

**Re: Expression of Interest for A/E Services for Buffalo and Leon Public
Access Sites Improvements for the WVDNR**

Dear Mr. Hager:

E.L. Robinson Engineering's (ELR) design professionals have been helping West Virginia plan and develop their communities for over 40 years. ELR's team of engineers, landscape architects and planners have completed numerous boat launch facilities, riverfront developments, and recreational master plans all across West Virginia, including: Stonewall Jackson Resort State Park Pedestrian Bridge; Little Coal River Boat Ramp; Kanawha Falls Public Access. We have through our work on infrastructure projects developed considerable experience in permitting in relation to streams or rivers.

We have also provided planning and design for many projects in the Buffalo/Leon region. E.L. Robinson's landscape architects recently prepared a master plan for pedestrian and bicycle improvements for the Town of Buffalo. ELR is currently preparing construction documents for a phase 1 sidewalk improvements project based on the previous master plan, along Main Street in Buffalo. ELR recently completed construction plans, and are currently in the bidding and construction administration phase for ten (10) boat ramp / public access points on the West Fork River for the WVDNR. ELR was also responsible for construction plans, bidding, and construction administration of the recently completed Elk River Clendenin Boat Ramp on Virginia Avenue, and are in the preliminary design stages of two (2) new ADA-accessible kayak and canoe access points on the Elk River in Sutton and Gassaway, WV. ELR is currently providing master planning services for the Forks of Coal State Natural Area expansion of over 200 acres of new wild, natural and scenic woodlands on the opposite side of Corridor G from the main State Natural Area park.

Here are a few points of note that make ELR ideally suited to assist you on this project:

1. Our previous experience with numerous boat ramp and public river access point projects throughout West Virginia will be an asset to the West Virginia Division of Natural Resources in completing this project on time and within budget.
2. With design professionals from the fields of engineering, landscape architecture and planning, our team has the ability to offer all the required services for this project completely in-house from our Cross Lanes, Kanawha County office.

We welcome the opportunity to assist the WVDNR with this significant project through planning, design and construction services. We look forward to your favorable review. Should you have any questions, please feel free to call or e-mail anytime.

Sincerely,

Eric Coberly, PE
President
ecoberly@elrobinson.com

WHO WE ARE.

E.L. Robinson Engineering Co. (ELR) provides a full range of quality engineering services, from planning and analysis to design and implementation. For over 45 years, ELR has grown to be a highly respected firm offering a diverse scope of services.

Founded in 1978 by Edward L. Robinson, a registered Professional Engineer (PE) and a Professional Surveyor (PS), the company started from humble beginnings. ELR began as a small surveying firm with four employees and has expanded to locations in three states as a highly-diversified engineering, planning and design and surveying firm with close to 200 employees.

In early 2023, Eric Coberly, PE, was named ELR President when Mr. Robinson retired. Mr. Coberly has 40 years engineering experience, specifically in the mining, utility and site/civil sectors.

WE'VE GOT YOU COVERED.

ELR professionals fill **7 offices** within an easy drive to project locations. Staff are readily available for phone and email correspondence, video calls, and in-person meetings.

WHAT WE ARE.

approx.

150+
employees



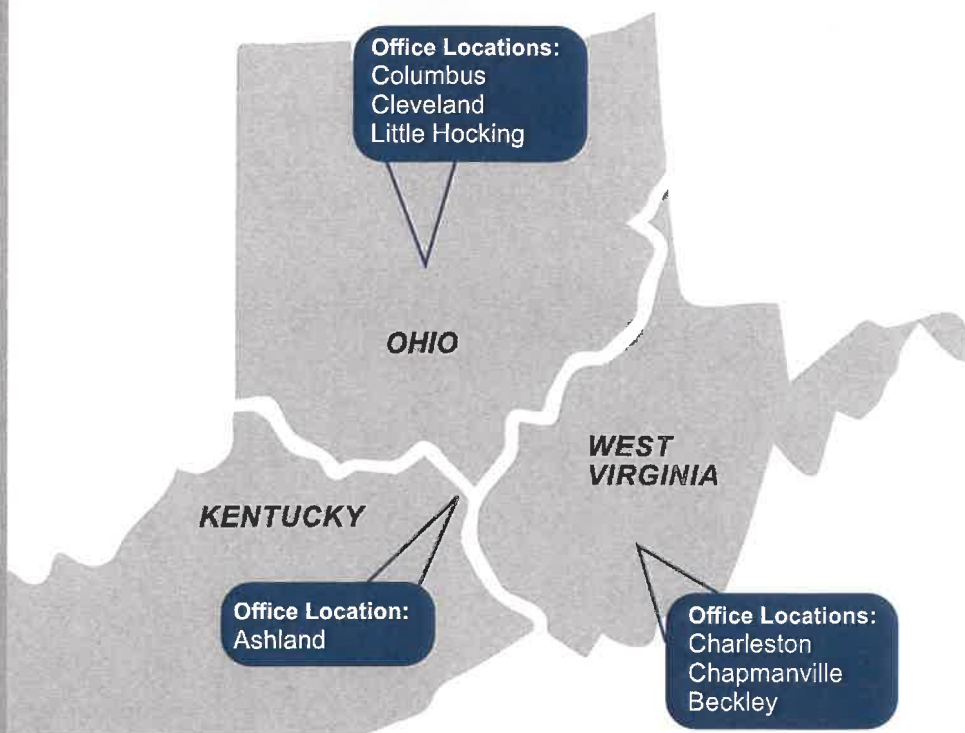
100%
employee
owned

50+

licensed PEs



WHERE WE ARE.



**TOP 500
DESIGN
FIRMS
2019**

EL Robinson
Engineering Co.

**TOP 500
DESIGN
FIRMS
2020**

EL Robinson
Engineering Co.

**TOP 500
DESIGN
FIRMS
2021**

EL Robinson
Engineering Co.

**TOP 500
DESIGN
FIRMS
2022**

EL Robinson
Engineering Co.

**TOP 500
DESIGN
FIRMS
2023**

EL Robinson
Engineering Co.

**TOP 500
DESIGN
FIRMS
2024**

EL Robinson
Engineering Co.

Address: 5088 Washington Street, West • Charleston, WV 25313
800.856.6485 • elrobinsonengineering.com

Project Qualifications

E.L. Robinson has a strong background in planning and design of riverfront, river access and recreational amenities. Our team has over 40 years experience working with communities in West Virginia, Ohio, and other states.

Additionally, E.L. Robinson has over 150+ staff members total, including registered landscape architects, professional engineers, surveyors, and construction technicians. Our offices in Cross Lanes, WV, will provide the identified scope of services.

ELR's team has been fortunate to assist other communities with design services for many capital improvements projects. The following is a partial listing of similar projects relevant to the **Buffalo and Leon Public Access Sites Improvements**.

- Little Coal River Boat Ramp Access
- Kanawha Falls Public Access
- Forks of Coal State Natural Area - Alum Creek, WV
- North Bend State Park Campground Upgrades
- Holly River State Park Wastewater Treatment Plan
- Chief Logan State Park Recreational Facility
- Chief Logan State Park - Sewer
- Chief Logan State Park - Water
- Blackwater Falls State Park Sewage Treatment Plant Replacement
- Tygart Lake Wastewater Treatment Plant
- Watoga State Park Wastewater Treatment Facility Replacement
- Gallipolis Riverfront Improvements – Gallipolis, OH
- Ironton Riverfront Docks - Ironton, OH
- Hinton Island Park Master Plan
- Tomblinson Run State Park Accessible Fishing Site - New Manchester, WV
- Clendenin Trail Town Planning
- Stonewall Jackson Resort State Park Pedestrian Bridge
- BC&G Railroad and Trail
- New River Gorge Public Access
- Meadow River Boat Ramp
- Coal Grove Ice Creek Boating and Fishing Access
- South Mill Creek Recreation Area - Grant County, WV
- Upper Mud River Lake Recreation Area - Lincoln County, WV
- Elk River Clendenin Boat Ramp - Clendenin, WV
- West Fork River PAS Improvements - Harrison and Lewis Counties, WV
- Lake Erie Bluffs Pedestrian Bridge and Stairs

For full project profiles, see pages 18-42 of this submittal.

Professional Qualifications

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

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

Mr. Shawn Kelly, PE, will provide engineering support. Kelly has more than 20 years of experience in project conception, planning, design, computer modeling, preparation of plans and specifications, permitting, coordinating with other utilities, land acquisition, easements, bidding, preparing invoices, construction management, site inspections and updating client's board members for a variety of projects ranging from small extensions to complete system upgrades.

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

Mr. Randy Lackey, P.E., will serve as a project engineer who was intricately involved in the hydraulic design process of the Blennerhassett Island Bridge Project, which connects West Virginia to Ohio as well as span the Ohio River and Blennerhassett Island. Included in this project were the

following: Preparation of flood plain analysis for existing, temporary, and various post construction conditions, scour analysis using FHWA approved publications, analyzing the affects that debris flow will have on the bridge as well as Blennerhassett Island, and studying the potential for lateral channel migration and understanding the affects the migration would have on the design on the bridge substructure.

Mr. Randy Skaggs, PLA, will provide landscape planning and design services for the project. He began his career as a Landscape Architect with the FWA Group in Charlotte, North Carolina upon graduation from West Virginia University. Throughout his career he has worked in a number of settings on a variety of projects, as well as being in business for himself.

Mr. Adam Mull, will provide landscape planning and design services. Mr. Mull has wide range of experience including hand-drawn renderings, computer aided drafting and design, estimating, project field layout, and installation of softscape and hardscape elements. Adam also has a strong background in the building construction industry.

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

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

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

ELR project approach recommendations for the Buffalo and Leon Public Access Sites Improvements

E.L. Robinson will work closely with the West Virginia Division of Natural Resources to allow this project to advance. We feel that our respective knowledge and experience in the planning, funding and design of similar projects are significant assets in developing a cost effective solution for the Leon and Buffalo Public Access Sites Improvements project. Professional services may include the following:

Obtain aerial topographical, GIS, Lidar and right of way mapping from WVDNR, WVDOH, US Army Corp of Engineers, and US Fish and Wildlife, or other possible entities:

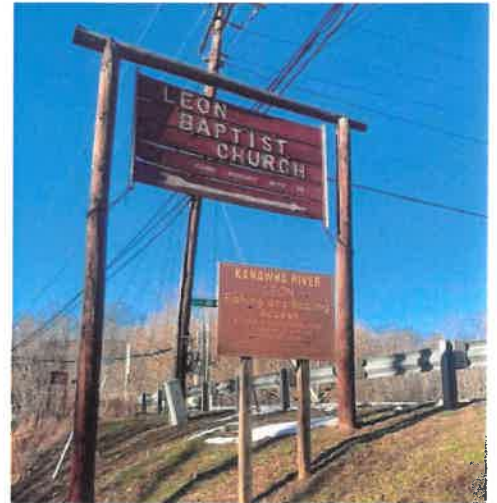
- Utilize existing GIS based mapping for the Leon and Buffalo Public Access Sites.
- Augment existing mapping with a field survey to establish Ordinary High Water Mark (OHWM), 100-year Flood Elevation, critical spot elevations, and existing utilities on-site.

Data Collection and Project Scoping:

- The Kanawha River is a tributary of the Ohio River, is approximately 97 miles long.
- The existing facilities are approximately 15 miles apart, and require maintenance and/or upgrades to the sites.
- The Leon and Buffalo Public Access Sites plans should address the following:
 - Improve existing steps at the Buffalo site by repairing or replacing with new steps.
 - Replace the existing gangway and floating dock with a new gangway and dock connected to the existing concrete abutment at the Leon PAS.
 - Replace the existing wood pier structure at the Leon site with a new and improved pier.
- Consider permitting requirements such as the USACE 401/404 permits; US Fish & Wildlife, SHPO, NPDES, etc.
- Prepare a geotechnical investigation of the proposed launch areas if required.

Project Development:

- Inventory existing launch/access sites.
- Meet with WVDNR to identify key components for development and potential issues.
- Develop a preliminary plan for the new launch/access site, and improvements to the existing ramps/access.
- Prepare/submit all necessary permits for proposed improvements.
- Finalize construction plans for review/approval by the WVDNR and other stakeholders.
- Prepare cost estimate for proposed improvements.
- Assist the Owner in bidding the project.
- Provide construction management and construction administration services.



ORGANIZATIONAL CHART



Todd Schoolcraft, PLA

Project Manager

QA/QC



Eric Coberly, PE

ELR President

Civil
Engineering



Shawn Kelly, P.E.

Landscape
Architecture

Hydraulic
Engineering



Randy Skaggs, PLA

Landscape Architect



Adam Mull

Land Planner



Kenneth Kinder, P.E.



Randy Lackey, P.E.

Surveying
& Mapping

Project
Designers



Tom Rayburn



Todd Garnes

CADD Manager



Joey Jude

TODD SCHOOLCRAFT, PLA, ASLA

Landscape Architecture /Project Manager

Professional overview

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

Professional experience

Trails/Recreation/Parks:

- North Bend Rail-Trail Reconstruction Project
- Greenbrier River Rail-Trail Improvements
- Kanawha & Putnam County Bicycle – Pedestrian Master Plan
- J.G. Bradley Campgrounds, Dundon
- WVDNR Elk River Boat Ramp, Clendenin, WV
- Ararat River Greenway Parks Projects, Mount Airy, North Carolina
- Upper Mud River Lake Recreation Area Development
- Mill Creek Lake Recreation Area Development
- Burning Rock Slab Fork Trail Facility
- Buffalo Creek & Gauley Railroad Recreation Trail Flood Reconstruction
- Discovery Junction Community Park, Marlinton, WV
- Adams Street Park and Pier Project, Montgomery, WV
- New River Recreation Area Access Improvements, Cotton Hill and Gauley Bridge, WV
- Meadow River Boat Ramp Improvements, Rainelle, WV
- Parsons Parks and Recreation Master Plan

Planning/Studies:

- Historic Wellsburg and Bethany Scenic Byway Corridor Management Plan
- West Side Community Revitalization Plan, Charleston, WV
- Hobet / Rock Creek Development Park Economic Feasibility, Strategic Planning, and Market Analysis
- Lincoln County Trails to the Future Feasibility Study
- Bluestone Valley Trails Feasibility Study
- Elk River Tourism Destination Feasibility Study
- Clendenin Trail Town Planning, Kanawha County, WV
- Fairlawn Avenue Apartments Site Development, Institute, WV
- Hinton Riverfront Development Master Planning, Summers County, WV
- Lincoln County Trails to the Future Feasibility Study
- Parsons Parks and Recreation Master Plan



Education

B.S. Landscape Architecture, West Virginia University, 1991

Safe Spaces: ASLA Security Design Symposium, Chicago, IL, 2004

AQUA Conference Educational Sessions, Las Vegas, NV, 2005

CERFP Team Training, WV Army National Guard, 2006

Registrations

PLA, West Virginia, 1995

RLA, North Carolina, 2005

RLA, Ohio, 2002

CLARB Certified, 2001

LEED® Green Associate, 2012

Years experience

34

ERIC COBERLY, PE

ELR President/Quality Assurance/Quality Control

Professional overview

Mr. Coberly has decades of experience as an infrastructure and civil engineer. His extensive experience as a Project Manager in various engineering disciplines includes site development, infrastructure planning, water, sewer, geotechnical analysis, abandoned mine reclamation, building construction, active surface mining, insurance investigations, and various post mining land use projects.

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

Relevant experience

Wastewater:

- Morgantown Utility Board Mountaintop Beverage Sewer Extension
- Frank-Bartow Sanitary Sewer Extension
- Town of Beverly Sewer
- Bergoo Wastewater Collection and Treatment System Project
- WVDNR Watoga and Chief Logan State Parks Sewer Plant Upgrades
- Putnam PSD Deer Valley Sewer Extension
- City of Philippi - Rt. 119 Sewer Extension
- Webster Springs PSD Bergoo Sewer System

Water:

- MUB Mountaintop Beverage Waterline Extension
- Heaters-Weyerhaeuser Waterline Upgrade
- Scott Findley Road Waterline Extension Project
- Exchange Road Phase I Waterline Extension
- Exchange Road Phase II Waterline Extension
- Kenova Downtown School Waterline Improvements
- Prichard Waterline Upgrade
- Route 18 South-Snowbird Road Waterline Extension Project
- Town of Clay Water Storage Tank Replacement
- Blue Knob Waterline Extension Project
- White Sulphur Springs Big Draft Waterline Extension
- Cow Creek Waterline Extension Project
- Blandville West Union Waterline Extension Project
- WVDNR Waterline Improvements - North Bend, Watoga, Babcock and Chief Logan State Parks
- Putnam PSD Water Plant Upgrades

Economic Development:

- City of Bluefield Commercialization Center
- Greenfield Cabinetry Building Expansion
- Putnam Business Park Utility Extension Phase II
- Raleigh County Memorial Airport Industrial Park Site Preparation Project
- Mingo County Wood Park Industrial Site
- Mingo County Belo Industrial Park



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,
Ohio, and Maryland

Years experience

39

SHAWN KELLY, PE

Project Engineer

Professional overview

Shawn Kelly, PE, brings over 20 years of experience to E.L. Robinson. His knowledge of site development has taken him all across West Virginia, working for both public and private clients. Mr. Kelly's understanding of drainage calculating, stormwater management plans, and site development planning have helped improve countless places in the state. Mr. Kelly has experience in the development of erosion and sediment control design. He has provided his expertise for the design of roadway drainage and erosion and sediment control for the roads around the complex. Shawn has vast experience working with the WV Department of Transportation, Division of Highways and WV Department of Environmental Protection to successfully permit many projects throughout the state.

Professional experience

- Boy Scouts of America Brenda L. Murray Drive - Roadway Drainage - Fayette County, WV
- Boy Scouts of America JW Marriott JR Leadership Center Roadway Drainage
- Boy Scouts of America Bunkhouse and Dining Hall Site Design - Fayette County, WV
- WVU Medicine Building Site Design - Greene County, PA
- Pad 1A4 in Westridge Commercial and Retail Development - Monongalia County, WV
- Corridor H Davis to Bismark E&S Control - Grant County, WV
- Upshur County Industrial Park Drainage Calculations- Upshur County, WV
- US Route 35 - Couch to Little Fivemile - Putnam County, WV
- Putnam Public Service District Sewer Extension Project - Putnam County, WV
- Putnam Public Service District Water Line Replacement - Putnam County, WV
- Corridor H Kerens to US 219 Connector Design-Build
- Cow Creek Water Line Project - Putnam County, WV
- Coalfields Expressway – Welch to WV 16 Interchange
- City of Beckley New Fire Station - Raleigh County, WV
- West Village Senior Housing - Cabell County, WV
- Signet Real Estate Group WVU Beckley Housing Project - Raleigh County, WV
- Clear Mountain Bank New Branch - Harrison County, WV
- McDowell County Schools Riverview High School Renovations - McDowell County, WV
- Baker Heights New Fire Station - Berkeley County, WV
- St. Marys High School Stormwater Drainage- Pleasants County, WV
- WVDOH Coalfields Expressway – Welch to WV 16 Interchange (SWPPP) - McDowell County, WV
- P3 Housing WVU Beckley Stormwater Management - Raleigh County, WV
- City of Wellsburg Stormwater Management - Brooke County, WV
- The Bend at Meadow Valley Storm Sewer Design - Putnam County, WV
- City of Huntington West Village Stormwater - Cabell County, WV



Education

Bachelor of Science,
Civil Engineering
West Virginia University
2001

Registrations

Professional Engineer
West Virginia
Virginia
Kentucky
Maryland
North Carolina
South Carolina

Years experience

20+

KENNETH KINDER, PE

Project Engineer

Professional overview

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

Relevant experience

- Town of Rupert Stormwater Mitigation Project – Project Manager
- White Sulphur Springs - Stormwater Improvement Project - Project Manager
- Bluefield Sanitary Board Midway Sewer Replacement – Project Manager
- Bluefield Sanitary Board Thompson Pump Station and Nichols Road Sewer Extension - Project Manager
- City of Princeton Rogers Street Drainage Improvements Project – Project Manager
- Birch River PSD Wilson Ridge Waterline Extension Phase 2 – Project Manager
- Birch River PSD Mill Creek Waterline Extension Project – Project Manager
- Town of Rainelle Water Improvements Project – Project Manager
- Town of Rainelle - Clinic Hill Water Tank - Project Manager
- Danese PSD - Maplewood Water System Improvement Project - Project Manager
- Armstrong PSD Deepwater and Powellton Water Improvements Project – Project Manager
- Oakvale Road PSD Christian Fork Sewerline Repair Project – Project Manager
- Birch River PSD Emergency Standby Generators Project - Project manager
- Town of Rainelle - Emergency Standby Generator's Project - Project Manager
- Harbor Freight Retail Store Site Development – Civil Design Task Manager
- 13 individual WVDOH ADA Design-build Curb Ramp Projects – Project Manager
- Kanawha County, Clendenin, Logan County, and Richwood FEMA HMGP Flood Mitigation Projects – Project Manager
- WV Conservation Agency Elk Twomile Dam Seep Repair – Project Manager
- Kanawha County FEMA Flood Map Update Review – Project Manager
- Buffalo Creek and Gauley Recreational Trail – Flood Damage Assessments – Project Manager
- Nitro City Park Riverbank Restoration and Recreational Trail – Project Manager
- WVDEP LCAP Wheeling Landfill Closure Cap Design – Lead Design Engineer, Civil Task Manager, Assistant Project Manager
- 90 MW Solar Generation Facility in Raleigh County, WV –Stormwater and E&S Design Task Manager and Assistant Project Manager



Education

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

Registrations

Registered Professional
Engineer - WV and VA

Certifications

Certified Floodplain Manager
(CFM)

Years experience

20

RANDALL LACKEY, PE

Lead Hydraulics Engineer

Professional overview

Randall has over 20 years of experience with hydraulics engineering including advanced analysis/modeling. He is proficient in conducting hydrologic and hydraulic studies of rivers and creeks. Representative projects include FEMA flood studies and map revisions, hydrologic studies, floodplain studies, erosion protection design, bridge hydraulics and scour studies. He is very familiar with water resource regulations (NFIP, USACE) and permitting requirements. He is well versed in WVDOH Drainage Manual and WVDOH Bridge Design Manual.

Relevant experience

I-77 Bridges - Surface Drive Overpass Bridges, Project Engineer: Design-build project involving renovation of two dual I-77 bridges: Surface Drive Overpass Bridges on I-77 Over CR 119/37 and Eden's Fork Interchange Bridges on I-77 over CR 27 in Kanawha County, WV. Other design features include drainage, maintenance of traffic, signing, pavement markings, environmental permits (404, NPDES) and construction inspection. **Relevance:** Hydraulics & Scour, Scour Countermeasures, Permits

Tuppers Creek-Pocatalico Bridges, \$9.8M, Project Engineer: Replacement of three existing dual Tuppers Creek-Pocatalico Bridges (Bridge Nos. 2191, 2192, and 2193) carrying I-77 North and South bound in Kanawha County, West Virginia. The project also included structural inspection of existing bridges, geotechnical investigations and preparation of permits. **Relevance:** WVDOH Design, Bridge Hydraulics & Scour, Scour Countermeasures, Permits

McQuain Brothers Bridge, Lead Hydraulics Engineer: Design-build project for the construction of dual I-79 bridges over US 119 & Left Hand Creek in Kanawha County, WV. Each of the structures has three span layout with span lengths of 128'-0" – 122'-9" – 91'-0". Other design features included drainage, maintenance of traffic, signing, pavement markings, environmental permits (404, NPDES) and construction inspection. **Relevance:** Bridge Hydraulics & Scour, Scour Countermeasures, Permits

US35 Design-Build Project (WVDOH) Putnam County, West Virginia, Hydraulics Engineer: Design-build project to construct dual 181 ft. long single span dual bridges over Hurricane Creek and 110 ft. long dual bridges over WV 35. **Relevance:** Bridge Hydraulics & Scour, Scour Countermeasures, Permits

Corridor H – Kerens to US 219, \$209M, Lead Hydraulics Engineer: Design Build project thru much of Mon National Forest requiring special care in environmental design & construction. This section of Corridor H is a new 7.6 mile rural divided arterial. The project included design of 5 major bridges that ranged in length from 560' – 1200' with heights of piers exceeding 220'. Interacted with teams of bridge designers across offices including multi-disciplinary coordination and interaction with WVDOH/QAM. **Relevance:** Bridge Hydraulics & Scour, Scour Countermeasures



Education

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

Registrations/ Certifications

PE: West Virginia

Years experience

20+

RANDY SKAGGS, PLA

Landscape Architect

Professional overview

Mr. Skaggs provides landscape planning and design services at EL Robinson. He began his career as a Landscape Architect with the FWA Group in Charlotte, North Carolina upon graduation from West Virginia University. Throughout his career he has worked in a number of settings on a variety of projects, as well as being in business for himself.

Relevant experience

EL Robinson experience:

- Ronceverte Parks and Recreation Master Plan, City of Ronceverte, West Virginia
- Beech Run Riverfront Park Concept Design, Hinton, West Virginia
- Magnolia Park Concept Plan, Greenbrier River, Summers County, West Virginia
- WVDNR West Fork River Boat Ramps, Lewis and Harrison Counties, West Virginia

Projects from prior employment at AEC Consultants:

- Western Greenbrier Middle School Construction Project
- DBD Professional Group; Architects, Engineers, and Planners
- Gates, Calloway, Moore, and West; Architects, Engineers, and Consultants
- Tamarack Center Construction Project

other positions held:

- West Virginia State Parks, Office of Planning and Engineering, Charleston, West Virginia; Project Manager, September 1986 to August 1991
- Putnam County Planning Commission, Winfield, West Virginia; Planning Commissioner



Education

BS - West Virginia University
Landscape Architecture -
concentration in Construction
Site Administration. 1985.

Registrations

Professional Landscape
Architect (PLA) - WV 2023

Registered Landscape
Architect (RLA) - NC 1986

Years experience

30+

ADAM MULL

Landscape Designer

Professional overview

Mr. Adam Mull will provide landscape planning and design services. Mr. Mull has wide range of experience including hand-drawn renderings, computer aided drafting and design, estimating, project field layout, and installation of softscape and hardscape elements. Adam also has a strong background in the building construction industry.

Professional experience

- Randolph County Elks Pool and Splash Pad Improvements for the Randolph County Commission
- Randolph County Courthouse Sidewalk Improvements for the Randolph County Commission
- Clendenin Elk River Boat Ramp for the WV-DNR
- Dayton Juniors Volleyball Complex Landscaping Plan
- Randolph County ADA Design-Build Improvements for the WVDOH District 8
- Barboursville Pedestrian Bicycle Path for the Village of Barboursville and the WVDOH
- Buffalo Creek & Gauley Railroad Recreation Trail - FEMA Repairs for the Clay County Business Development Authority
- Cedar Grove Sidewalk Improvements for the WVDOH and the Town of Cedar Grove
- Fairlawn Apartments Complex for Leon N. Weiner & Associates, Inc., Institute,
- Coventry Woods Residence Design/Install,
- Greenbrier Residence Design/Install, White Sulphur Springs, West Virginia.
- West Virginia Capitol Complex Consultation for the Capitol Grounds Commission,
- West Virginia University Grounds Miscellaneous Improvements for the WVU Physical Plant Department



Education

B.S. Landscape Architecture
West Virginia University

Registrations

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

TOM RAYBURN, PS

Surveying Manager

Professional overview

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

Professional experience

- City of Flatoods, KY - Oaks Water Tank Topo, Boundary Survey
- City of Russell, KY - WTP Site Topo Survey
- City of Catlettsburg, KY - WWTP Site Topo, FEMA Flood Wall - Levy Survey
- City of Olive Hill, KY - Tygert's Creek Flood Mitigation Survey
- Grayson, KY Utilities - Damron Mayor Sanitary Sewer Level Survey
- Boyd Co, KY Sanitary District - Daniels Fork Sanitary Sewer
- City of Ironton, Ohio - CSO Separation Phases 1 -4
- City of Ironton, OH Riverfront Dock Ohio River Soundings
- ODOT - Ironton/ Russell Bridge OH River Soundings
- WV Rt. 10 (City of Man, Logan County) & Rt. 19 (Mercer Co)
- WVDOH St. Project S331-79-155 50.00 Blue Horizon Dr. (PA State Line)
- WVDOH Wellsburg Bridge Project
- WVDOH I-81 Widening Project
- Corridor H Kerens to US 219 Connector
- WVDOH I-70 Mining Project
- WVDOH WV Route 10 Operational Improvements
- Mingo County Redevelopment Wood Park WVDOH Access Road ROW Plans
- Chief Logan Recreational Center- Logan, WV
- WVDOH Median Improvement Surveys I-64 and I-77
- Surveys for Huntington Tri-State Airport Improvements
- Huntington Federal Building/USACOE Seven Floor Reconstruction Surveys
- Gallipolis Ohio Waterfront Survey



Education

A.S. Mechanical
Engineering, West Virginia
Institute of Technology, 1971

Registrations

Registered Professional
Surveyor in West Virginia,
Kentucky, North Carolina

Current Secretary for the
West Virginia Board of
Professional Surveyors

Member of National Society
of Professional Surveyors

Years experience

46

TODD GARNES

CAD Manager, Civil Designer

Professional overview

Mr. Garnes has decades of experience as a civil draftsman and designer. He is proficient in numerous drafting and mapping software platforms including Civil 3D, AutoCAD, and ArcMap. Mr. Garnes has experience in GIS, construction inspection, waterline planning and design, wastewater planning and design, site development, cathodic protection planning, county-wide planning, permitting, and construction document preparation.

Professional experience

- Bluefield Commercialization Station
- Mercer County PSD: Town of Matoaka Wastewater System Improvements
- Village of Bowerston Water System and Tank Improvements
- Village of Jewett Water System Improvements
- Putnam PSD Water Treatment Plant Upgrade
- Putnam PSD Olympia Fields Booster Station Replacement
- Pocahontas County PSD Wastewater Treatment Plant Upgrade Projects
- Pocahontas County PSD: Frank-Bartow Sanitary Sewer Extension
- Town of Durbin Sanitary and Storm Improvements
- West Virginia Division of Natural Resources:
 - Watoga State Park – Riverside Campground Wastewater Treatment Plant
 - Watoga State Park – Water System Improvements Project
 - Watoga State Park – Wastewater System Improvements
 - North Bend State Park Water System Improvements
 - Babcock State Park Water System Improvements
 - Chief Logan State Park Water System Improvements
 - Chief Logan State Park Campground Sanitary Sewer Extension
- First Tracts Realty – Forever Wild Site Development Project at Snowshoe Resort
- Western Pocahontas Properties, LLC – Thomas River View Development
- Village of Rio Grande Wastewater System Improvements and Wastewater Treatment Plant
- Camp Caesar Infrastructure Improvements Project
- Doddridge County PSD 2015 County Wide Water Study
- Pocahontas County PSD: Cheat Mountain Water Acquisition; Dominion Waterline Extension
- Village of Cadiz Water System Improvements Project
- WVDNR North Bend State Park Waterline Extension
- Rahall Transportation Institute Land Use Master Plans – Boone, Clay, Fayette, Lincoln, Logan, McDowell, Mercer, Wayne, Wyoming, Raleigh, Upshur, Webster, and Marshall Counties
- Webster County PSD Bergoo Wastewater System and Wastewater Treatment Plant Improvement
- Town of Gilbert: Slabtown, Tamcliff and Paynter Bottom Waterline Extension Project; Horsepen, Gilbert Creek and Browning Fork Waterline Extension; River Bend Road Waterline Extension; Upper Gilbert Creek Waterline Extension
- Logan County PSD: Upper Little Harts Creek Waterline Extension; Big Harts Creek Waterline Extension; Marsh Fork Waterline Extension; Hidden Valley/Airport Road Waterline Extension; Ridgeview Sewer – Railroad Permits
- Lincoln EDA Lower Mud River Waterline Extension
- Town of Chapmanville Water Upgrade Project
- City of Charleston Lee Street Sidewalk Enhancements
- King Coal Highway Water and Sewer Project
- Putnam County Business Park Utilities Extension Project
- Norton Harding Jimtown PSD Scott Run/Findley Road Waterline Extension Project



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

Years experience

25

JOEY JUDE

Project Engineer

Professional overview

Mr. Jude has almost 20 years of experience as an project engineer intern and civil designer. His experience includes the planning and design of water distribution systems, sanitary sewer systems, and site development, preparation of bid documents and specifications and construction inspection. Mr. Jude has also assisted in the coordination of construction activities with clients and construction companies and managed construction budgets during the construction phase of the projects. Further, he is proficient in several drafting platforms including Civil 3D and WaterCAD.

Relevant experience

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



Education

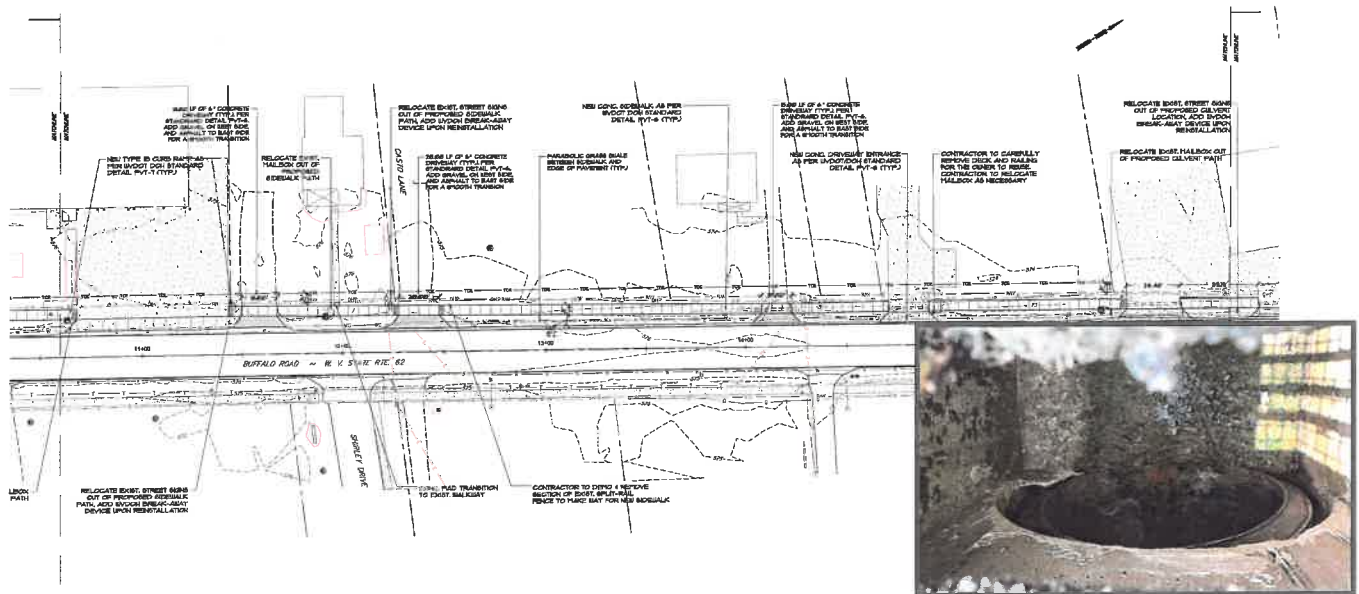
B.S. Civil Engineering
Technology, West Virginia
Institute of Technology, 2007

Years experience

18

Buffalo Sidewalk Improvements Phase I

Client: Town of Buffalo



Project Location:

Putnam County, WV

Key Personnel:

Todd Schoolcraft, PLA

Adam Mull

Project Cost:

\$927,000 (est)

Project Completed:

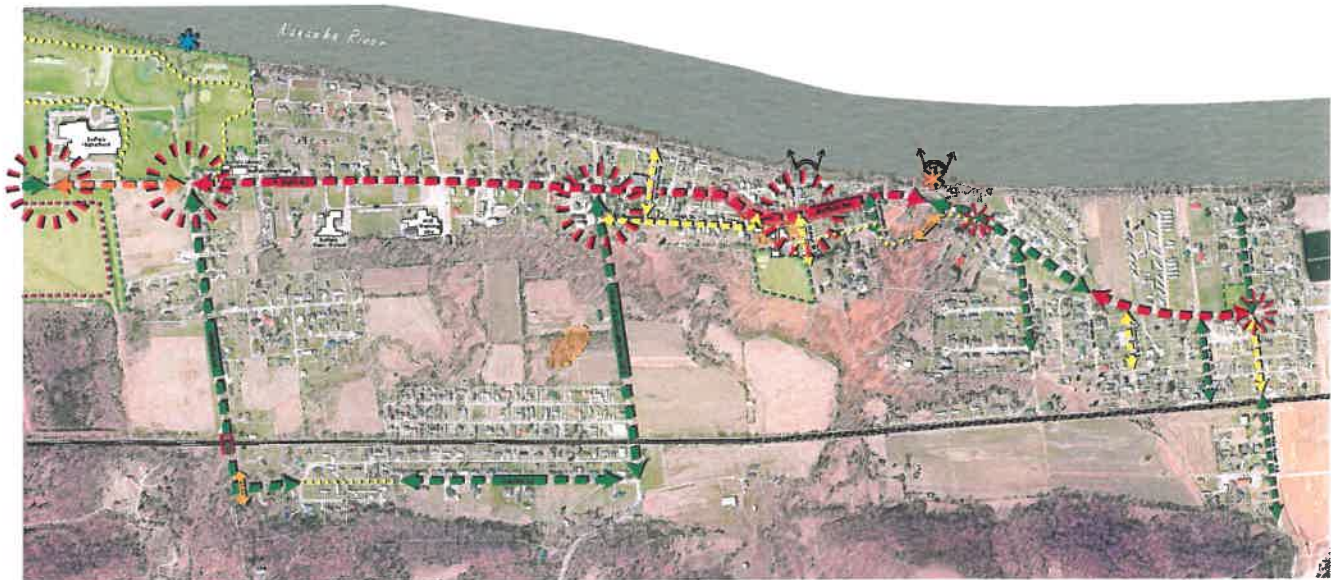
2025 (design)

Utilizing the previously prepared Buffalo Pedestrian and Sidewalk Master Plan, the first phase of improvements recommended in the plan was to build a new sidewalk from Buffalo High School to Buffalo Elementary School. To be constructed on one side of Main Street (the high school side), a new sidewalk will be constructed between Buffalo High School and Wrights Lane, and from Wrights Lane to Buffalo Elementary school, and continuing on to Badger Lane and the Advanced Career Education Center. There is currently no sidewalk on the high school side of Main Street (Buffalo Road / WV SR 62), so this recommended new sidewalk will not only connect the high school with the elementary school, but it will also connect to the library, fire department, shops and businesses, residential neighbors, and the technical education center. Included in the sidewalk improvements are extensive storm sewer improvements along the sidewalk path, which included existing storm sewer camera investigations.

This is the first and most important Phase to be implemented, as it will allow for a safe route for Buffalo's citizens and for the children to all these important public and business destinations.

Buffalo Pedestrian Improvements Master Plan

Client: Town of Buffalo



Project Location:

Putnam County, WV

Key Personnel:

Todd Schoolcraft, PLA

Adam Mull

Project Completed:

2022

E.L. Robinson Engineering Co. (ELR) was commissioned in January of 2022 to create a Pedestrian Master Plan for the development of new sidewalks along several main roads in The Town of Buffalo, Putnam County. The plan provided a high level review of the existing sidewalk infrastructure, development of new sidewalks and trails, and replacement of existing sidewalks inherent to the County and Region.

This document focused on envisioned early phase planning as well as long range vision for how to successfully phase in the proposed pedestrian improvements into the Town of Buffalo, West Virginia. By providing a safe pedestrian route to work, school, recreation, and businesses, implementation of this plan encourages a healthy lifestyle, while also providing citizens and visitors an alternative mode of transportation to the motor vehicle.

The purpose of the Town of Buffalo Pedestrian Master Plan Study was to plan the development of sidewalks and access associated with alternative transportation (walking, biking, skating, etc.) throughout the Town of Buffalo, through the identification of 1) Prioritizing areas for access and pedestrian safety, and 2) Construction or replacement of new sidewalks, and the implementation strategy needed for the development of such.

Clendenin Elk River Boat Ramp

Client: West Virginia Division of Natural Resources



Project Location:
Kanawha County, WV

- Project Roles:**
- Surveying and Base Mapping
 - Site Inventory and Concept Design
 - Geotechnical Engineering
 - Construction Documents
 - Permitting
 - Bidding
 - Construction Admin

Project Cost:
\$689,000

Project Completed:
2022

E.L. Robinson Engineering Co. was asked to provide design services to the West Virginia Division of Natural Resources, Wildlife Resources Section, to develop a new public access site and boat launch along the Elk River in Clendenin, Kanawha County, West Virginia. Our charge was to develop a new boat ramp and river access point utilizing former home sites that were previously condemned by FEMA after the devastating June 2016 floods. The Town of Clendenin acquired the properties, and then approached the WVDNR to execute an adaptive reuse of the 1.25 acres adjacent to the Elk River into a new green, environmentally friendly boat ramp and river access point.

ELR's landscape architects developed two conceptual designs with budgetary cost estimates for two unique approaches to the river, for the WVDNR and Town of Clendenin to consider. The best concept approach was selected, and ELR developed construction plans and bidding documents based on the selected concept, which included a new parking lot utilizing pervious asphalt pavement, new lighting, concrete boat ramp, wood bollards, informational kiosk, directional signs, bumper blocks, ADA accessible parking areas, and landscaping.

Little Coal River Boat Ramp

Client: West Virginia Division of Natural Resources



Project Location:

Lincoln/Kanawha County,
Alum Creek, WV

Key Personnel:

Todd Schoolcraft, PLA

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

The site related elements ELR will design are:

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

Gallipolis Riverfront Improvements - Phases I & II

Client: City of Gallipolis



Project Location:

Galia County, OH

Key Personnel:

Michael Williams, PE

Bob Crank

Project Cost:

\$792,250

Year Completed:

2017

E.L. Robinson Engineering was contracted by the City of Gallipolis to serve as engineer for their riverfront improvements project. ELR was responsible for the design, project management, and construction inspection for this project. This project was funded by the Ohio Department of Natural Resources and included improvements to the Gallipolis, OH, riverfront access area.

Specifically the project included the construction of concrete amphitheater seating, a new access road to the boating access, additional boat trailer parking, new area lighting, and a new courtesy dock.

Ironton Riverfront Dock Improvements

Client: City of Ironton



Project Location:
Lawrence County, OH

Key Personnel:
Michael Williams, PE
Tim Cart, PE
Bob Crank

Project Cost:
\$668,877

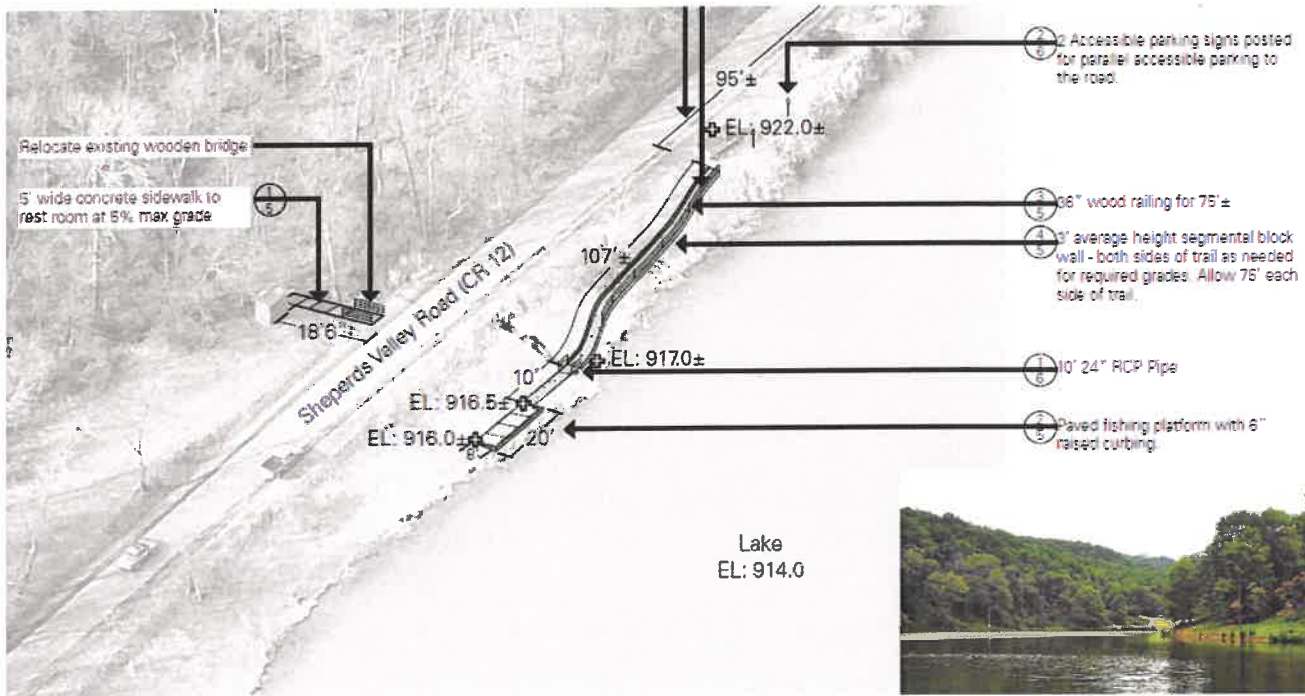
Year Completed:
2017

E.L. Robinson Engineering was responsible for project planning, funding, USACE permitting, design, and construction management of the installation of transient boat docks at the Ironton, Ohio Riverfront.

The project provides 30 transient boat slips along 450 linear feet of floating dock, a 230 foot long sheet piling retaining wall and river walk, and an aluminum gangway to provide access to the floating docks from the river walk.

Tomlinson Run State Park ADA Accessible Fishing Site

Client: West Virginia Division of Natural Resources



Project Location:
Hancock County, WV

Project Cost:
\$57,767 est

Project Completed:
2015

Our Role:
Site design
Material selection
Construction documents
Construction observation

ELR prepared construction documents for an accessible walkway meeting ADA guidelines from an existing parking area to the water edge. A five feet wide sidewalk within segmental block retaining walls and railing will be constructed to an enlarged 8 feet by 20 feet 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.

New River Gorge Public Access

Client: WV Department of Natural Resources/Brookfield Renewable



Project Location:

Fayette County, WV

Key Personnel:

Todd Schoolcraft, PLA

Project Cost:

\$8,700 (design)

Project Completed:

2020

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

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

Meadow River Boat Ramp

Client: West Virginia Division of Natural Resources, Parks & Recreation



Project Location:
Greenbrier County, WV

Key Personnel:
Todd Schoolcraft, PLA

Project Cost:
\$92,500 (Construction)

Project Completed:
2021

E.L. Robinson Engineering Co. was asked to provide design services to the West Virginia Division of Natural Resources, Wildlife Resources Section, to develop a new public access site and boat launch along the Meadow River near Rainelle, Greenbrier County, WV.

Our charge was to develop a new boat ramp and river access point that would have the least impact on the existing Meadow River Community Park in the community of Charmco, while utilizing as much of the existing driveways, parking and infrastructure available at the existing park. ELR's landscape architects developed two conceptual designs with budgetary cost estimates for two unique access points, for the WVDNR to brief the community and park leaders. A concept was selected, and ELR developed construction plans and bidding documents based on the selected concept, and assisted the WVDNR in bidding and construction administration for the project.

Ice Creek Public Access

Client: Ohio Department of Natural Resources



Project Location:
Lawrence County, OH

Project Completed:
Phase 1 - 2007
Phase II -

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

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

Kanawha Falls Fishing Public Access

Client: West Virginia Department of Natural Resources



Project Location:
Fayette County, WV

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

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

Forks of Coal State Natural Area

Claudia L. Workman Wildlife Education Center

Client: West Virginia Division of Natural Resources (WVDNR)



Project Location:
Kanawha County, WV

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

Project Cost:
\$5 million

Year Completed:
2022

WVDNR retained E.L. Robinson Engineering to prepare a master plan for this 100 plus acre site donated to the State of West Virginia for the development of the state's first natural area. The site is located at the fork of the Big Coal and Little Coal rivers, near Alum Creek, WV (approximately 20 miles south of Charleston).

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

This site related elements ELR will design are:

- Access road off US 119 and car/bus parking area for the Education Center
- Site development for the Education Center including entry courtyard and outdoor classroom/amphitheater
- Entry sign
- Trailhead parking
- Waterline extension from Lincoln County PSD and an on-site sewage treatment facility for 5,000 GPD with two Orenco AX100 AdvanTex treatment pods, 8,000-gallon septic tank for the Education Center, 2,000-gallon septic tank for the District 5 Office, 4,000-gallon recirculation tank and chlorine disinfection system with outfall to the Big Coal River
- Landscape plans for the Education Center.

North Bend State Park Campground Upgrades

Client: WV-Division of Natural Resources



Project Location:
Ritchie County, WV

Key Personnel:
Randall Lewis
Eric Coberly, PE
Todd Games

Project Cost:
\$250,000 (first phase)

Year Completed:
2016

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.

Chief Logan State Park Recreational Facility Renovation and Expansion

Client: Chief Logan Recreational Center, Inc.



Project Location:
Logan County, WV

Key Personnel:

Tim Cart, PE
Eric Coberly, PE
Tom Rayburn, PS
Randall Lewis

Year Completed:

Funding stages - 2023

E.L. Robinson Engineering provided geotechnical, civil and structural design, site development, and surveying services for the Chief Logan State Park Recreational Center Renovation and Expansion project, serving as the Subconsultant to ZMM Architects prime position.

The site was a former mine fill area with 70-80 feet of rock overburden placed on-site during mining operations, with an original structure and parking lot constructed in 2009. The initial project consisted of a 37,050 SF first level housing tennis courts and surrounded by an elevated walking track, and a 25 meter indoor swimming facility. A second level consists of a 8,563 SF weight lifting facility as well as several other multi-use exercise areas.

Our scope of services for the Renovation and Expansion project is to help with the groundwork of expanding the existing facility to accommodate two (2) additional multipurpose courts. The 125'x140' addition will be located at the Northwest end of the existing facility. Additional improvements will include an expansion of the fitness center and the development of a concession area within the existing structure. Site improvements may include three (3) baseball/softball fields and additional parking areas.

Chief Logan State Park Campsite Utilities

Client: WV Division of Natural Resources



Project Location:

Logan County, WV

Key Personnel:

Eric Coberly, PE
Todd Garnes

Project Cost:

Sewer: \$400,000
Water: \$382,000

Year Completed:

Sewer: out to bid
Water: 2021

Sewer:

The project consisted of extending service to 12 additional camp sites. This consisted of approximately 2,000 feet of sewer line and installation of 13 manholes. Initially the project involved replacing the existing treatment plant but the plan was changed to incorporate that into the Logan County PSD wastewater system. ELR assisted in that evaluation and determination as well.

Water:

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

Blackwater Falls State Park Sewage Treatment Plant Replacement

Client: West Virginia Division of Natural Resources, Parks & Recreation



Project Location:
Tucker County, WV

Key Personnel:
Todd Schoolcraft, PLA

Project Cost:
\$600,000

Project Completed:
2008

E.L. Robinson 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.

Watoga State Park Wastewater Treatment Facility Replacement

Client: WV-Division of Natural Resources



Project Location:
Pocahontas County, WV

Key Personnel:
Randall Lewis
Eric Coberly, PE
Todd Garnes

Project Cost:
\$500,000

Year Completed:
2017

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

Hinton Riverfront Development Master Plan

Client: City of Hinton



Project Location:
Summers County, WV

Our Role:
Todd Schoolcraft, PLA
Gracelyn Carper

Project Cost:
\$5,000 (concept design)

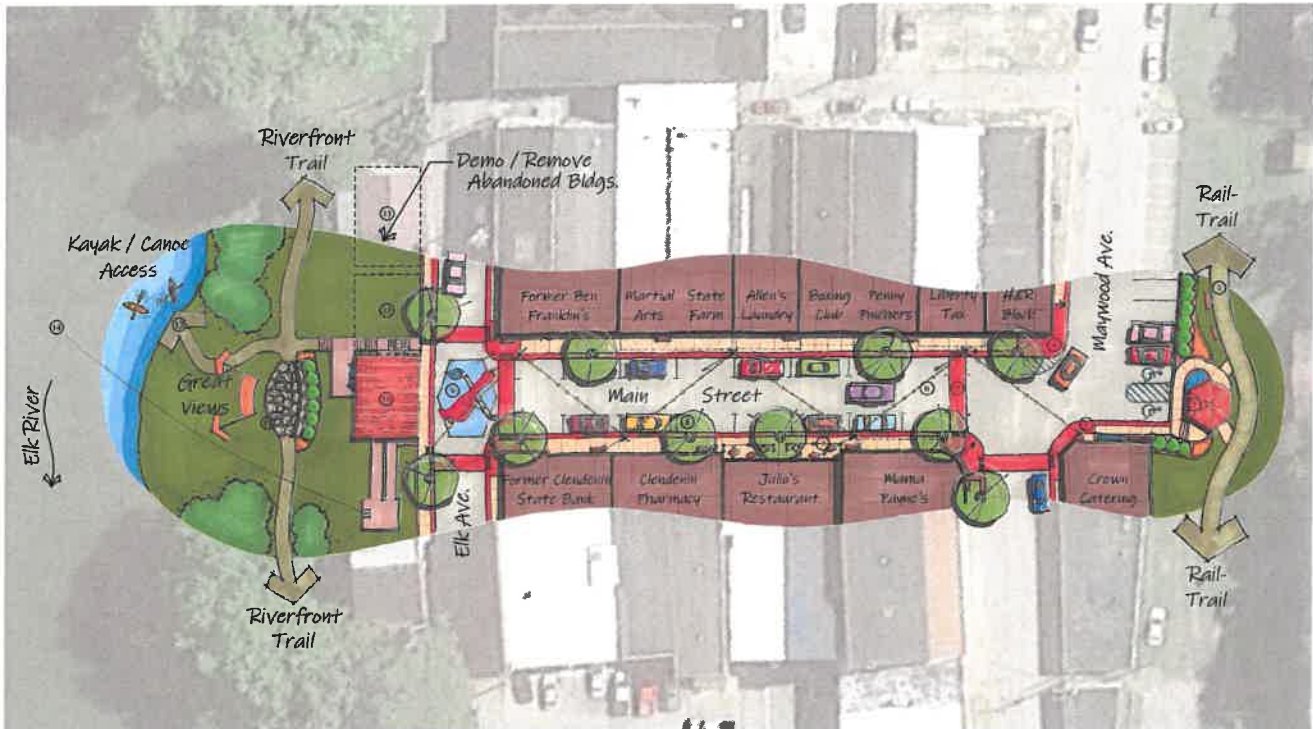
Year Completed:
2021

Hinton Mayor Jackie Scott reached out to E.L. Robinson Engineering Co. (ELR) to prepare a master plan, concept plans, graphics and budgetary cost estimates for proposed riverfront and trail developments along the New River within the corporate limits of the city.

The aggressive two month schedule the Mayor had in mind would put ELR's resources to the test. A contingent of high level state politicians were scheduled in the area in late January - February 2021 to help unveil the Park Service's signs designating the New River Gorge as a National Park. The City of Hinton was made aware of the planned trip in late November 2020, and decided this was the opportunity the City needed to present plans for new riverfront trail and river access along the New River. The Mayor subsequently contacted ELR in early December 2020 requesting the master planning effort, and ELR accepted the challenge, and successfully delivering the master plans, conceptual site plans, graphics, cost opinions, all on time for presentations to the State and Federal dignitaries.

Clendenin Trail Town Planning

Client: Kanawha County Planning Commission



Project Location:
Kanawha County, WV

Key Personnel:
Todd Schoolcraft, PLA

Project Cost:
\$25,600

Year Completed:
2020

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

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

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

Stonewall Jackson Resort State Park - Pedestrian Bridge Design

Client: West Virginia Division of Natural Resources



Project Location:
Lewis County, WV

Project Cost:
\$400,000

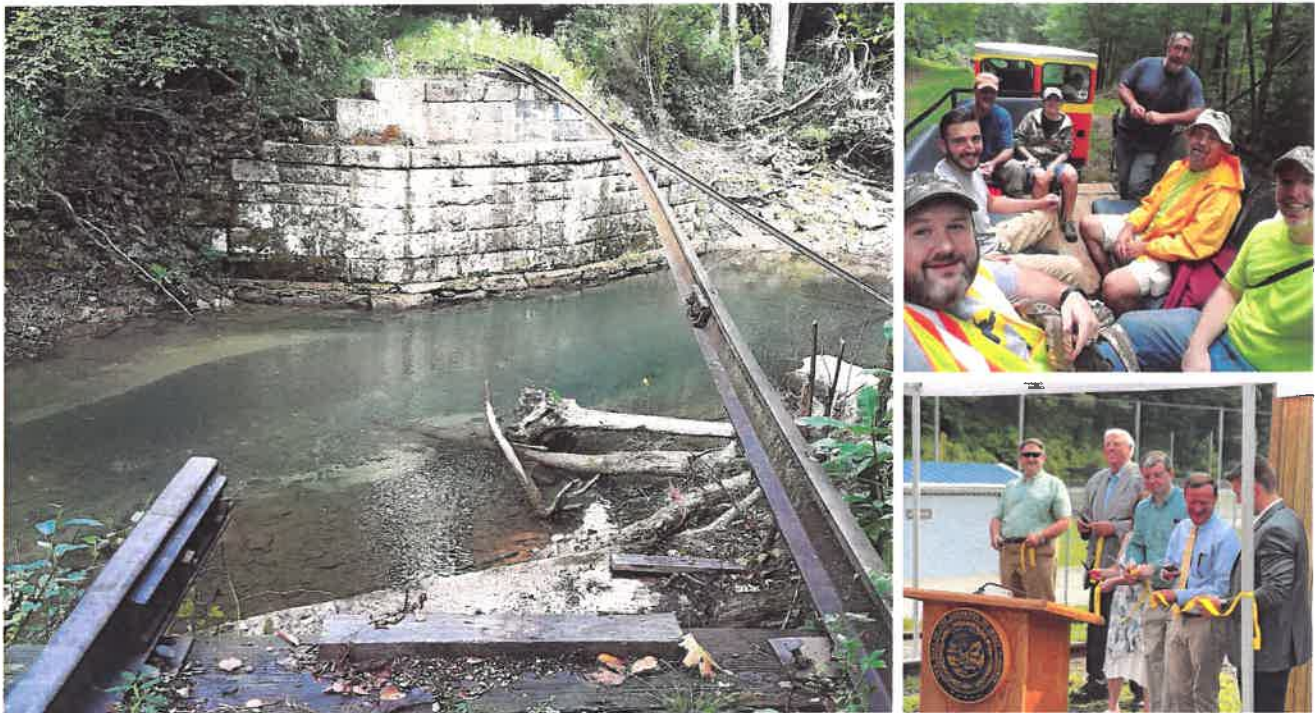
Project Completed:
2011

West Virginia Division of Natural Resources 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 was designed as 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.

BC&G Railroad and Trail Development

Client: Clay County Business Development Authority



Project Location:

Clay County, WV

Key Personnel:

Kenneth Kinder, PE
Todd Schoolcraft, PLA

Project Cost:

\$5,600,000

Project Completed:

2022

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

South Mill Creek Lake Area

Client: U.S. Natural Resources Conservation Service



Project Location:
Grant County, WV

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

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

Mud River Lake Recreational Area

Client: U.S. Natural Resources Conservation Service



Project Location:
Lincoln County, WV

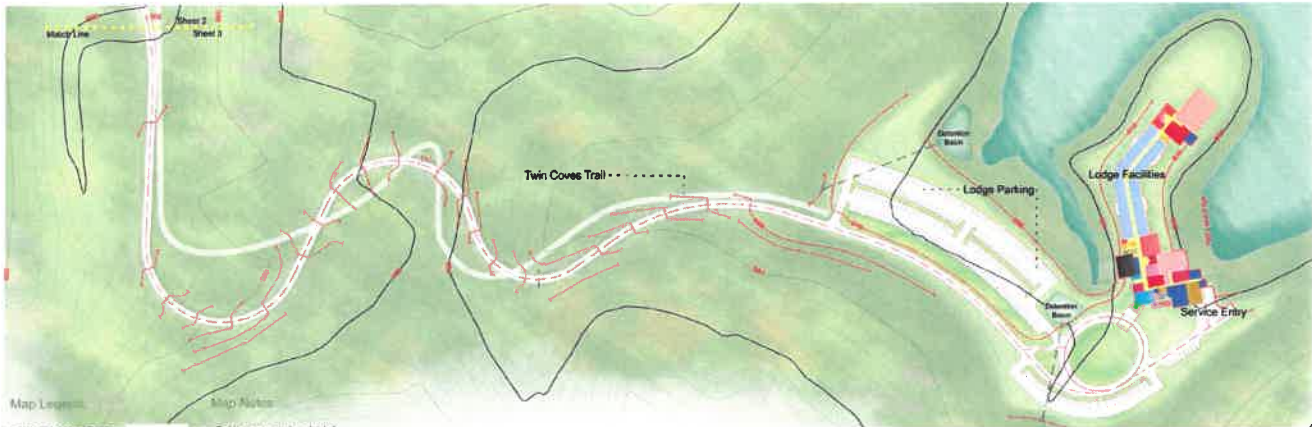
E.L. Robinson's landscape architects provided a master plan and construction documents for the development of a 200-acre recreation facility associated with a new flood control lake on the Upper Mud River in rural Lincoln County, WV. The recreational use area features a diverse natural habitat with steeply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

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

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

Beech Fork Lodge Feasibility Study

Client: West Virginia Division of Natural Resources, Parks & Recreation



Project Location:

Cabell/Wayne County, WV

Key Personnel:

Todd Schoolcraft, PLA

Our Role:

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

Project Completed:

2018

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.

Lake Erie Bluffs Pedestrian Bridge, Stairs

Client: Lake Metroparks



Project Location:

Lake County, OH

Project Cost:

\$81,000 (design, combined)

\$405,000 (construction,
combined)

Project Completed:

2017

Our Role:

Prime Consultant
Roadway Design
Bridge Design
Geotechnical Design
Stair Design

Stairs

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

Pedestrian Bridge

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



REFERENCES

Mitch DeBoard, President

Clay County Business Development Authority
PO Box 57
300 Center Street
Clay, WV 25043
304-587-4166

William R. "Bill" Archer, Commissioner

Mercer County Commission
County Courthouse
1501 West Main Street
Princeton, WV 25740
304-487-8310

Mark Scoular, Project Manager

WVDOT-DOH Planning & Research Division
Building 5, Room 450
1900 Kanawha Boulevard, East
Charleston, WV 25304
304-558-9616

Kay Summers, Mayor

Town of Clendenin
PO Box 694
103 First Street
Clendenin, WV 25045
304-548-4192

Roger Wolfe, Project Manager

WV Division of Natural Resources
Parks and Recreation Division
1000 Conference Center Drive
Logan, WV 25601
304-855-6100

Appendix:

CEOI Required Documents



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

State of West Virginia
Centralized Expression of Interest
Architect/Engr

Proc Folder: 1601327			Reason for Modification:
Doc Description: A&E - Buffalo and Leon Public Access Sites Improvements			
Proc Type: Central Purchase Order			
Date Issued	Solicitation Closes	Solicitation No	Version
2025-01-13	2025-01-29 13:30	CEOI 0310 DNR2500000002	1

BID RECEIVING LOCATION

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

VENDOR

Vendor Customer Code:
Vendor Name : EL Robinson Engineering
Address :
Street : 2019 Washington Street, East
City : Charleston
State : West Virginia **Country :** United States **Zip :** 25305
Principal Contact : Eric Coberly, PE, Project Manager
Vendor Contact Phone: 304.833.9021 **Extension:**

FOR INFORMATION CONTACT THE BUYER

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

Vendor
Signature X

FEIN# 55-0594633

DATE 1/27/25

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

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

(Printed Name and Title) Eric Coberly, PE, Project Manager

(Address) 5088 Washington Street, West | Charleston, WV 25313

(Phone Number) / (Fax Number) 304.833.9021 / 304.776.6426

(email address) ecoberly@elrobinson.com

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

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

EL Robinson Engineering

(Company) _____

(Signature of Authorized Representative) _____

Eric Coberly, PE, Project Manager

(Printed Name and Title of Authorized Representative) (Date) _____

304.833.9021/ 304.776.6426

(Phone Number) (Fax Number) _____

ecoberly@elrobinson.com

(Email Address) _____

ADDENDUM ACKNOWLEDGEMENT FORM

SOLICITATION NO.: CEOI 0310 DNR2500000002

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

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

Addendum Numbers Received:

(Check the box next to each addendum received)

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

- ☐ Addendum No. 6
- ☐ Addendum No. 7
- ☐ Addendum No. 8
- ☐ Addendum No. 9
- ☐ Addendum No. 10

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

EL Robinson Engineering

Company

Authorized Signature

Date

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