



West Virginia Capitol Complex Hardscape Repairs

for the West Virginia
Department of Administration
- General Services Division



Expression of Interest

CEOI 0211 GSD 2000000002
SUBMITTED SEPTEMBER 13, 2019



ESTABLISHED EXPERIENCE. PROVEN PERFORMANCE.

erobinsonengineering.com

WV Department of Administration - Purchasing Division
ATTN: Ms. Melissa Pettrey
2019 Washington Street, East
Charleston, WV 25305

Re: Expression of Interest for A/E Services for the WV Capitol Complex Hardscape Repairs Project

Dear Ms. Pettrey:

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 pedestrian plazas, sidewalks and streetscapes, and master plans all across West Virginia including: the Clay Center Pedestrian Plaza and Sculpture Space; Stonewall Jackson Lake Resort State Park; Hale Street Streetscape, Charleston; and many other streetscapes, pedestrian walkways and urban plaza projects in communities across West Virginia and the surrounding States. And with the addition of Crystal Fountains to our design team, we bring worldwide experience in fountain design and restoration.

We have also provided planning and design for many projects in Charleston, Kanawha County and the surrounding areas. In 2011 E.L. Robinson prepared a Bicycle and Pedestrian Master Plan for the City of South Charleston. Members of ELR were also part of the design teams that prepared construction plans for the Nitro Bank Street Streetscape Project; Beech Fork State Park Lodge Feasibility Study and Construction Plans; and we are currently in the bidding phase of both the Beech Fork State Park and Pipestem State Park Campground projects. Just this past January, ELR completed the Trails to the Future Master Plan for Lincoln County EDA; and we are currently in the site preparation phase of construction on the Forks of Coal State Natural Area Wildlife Museum near Alum Creek, WV. We also recently completed construction for the WVDNR of a new boat launch and river access on the Little Coal River on the Lincoln and Kanawha County line.

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

1. Our previous experience with numerous pedestrian hardscape planning and design projects throughout West Virginia will be an asset to the West Virginia Department of Administration, General Services Division in completing this project on time and within budget.
2. With the design professionals from the fields of engineering, landscape architecture, planning, and fountain design, our team has the ability to offer all the required services for this project with a holistic and turnkey approach, headquartered from our Cross Lanes, Kanawha County office.
3. With the addition of Crystal Fountains, the ELR design team not only respects the historical significance of the Cass Gilbert designed north plaza fountain, we will also offer unique ways to incorporate today's technology into creating a unique public user interface. For example, developing an educational (historical) experience via mobile technology / augmented reality / LED RGBACL technology that expands on the Cass Gilbert and Cass Gilbert, Jr. influenced Capitol campus, and/or an experience that interfaces with the Culture Center Museum and State Archives, elevating the visitor experience.

We welcome the opportunity to assist the Department of Administration, General Services Division 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,



R Todd Schoolcraft, PLA, ASLA, LEED®GA
Project Manager
tschoolcraft@elrobinson.com

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Firm Overview



E.L. Robinson is a multi-disciplined engineering/planning firm with a staff of over 180 full-time professionals and support personnel located in seven offices throughout West Virginia (Charleston corporate office, Beckley and Chapmanville), Kentucky, Ohio, North Carolina and South Carolina. Over the last 41 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 bricks 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
- Right-of-Way Services
- Geotechnical Engineering
- Environmental Engineering
- AML Services
- Trails and Greenways
- Surveying/Global Positioning
- Landscape Architecture
- Structural Engineering
- Grant Writing



Subconsultant Company Profile

Founded in 1967, Crystal is now a globally recognized leader in the commercial water feature industry. With a long history of product innovation, design and custom manufacturing, Crystal has a range of products and expert services to help you at any stage of your water feature vision. Crystal teams are located in Canada, the Middle East and Europe, to help assure your water feature connects with your public and private audiences.

Our design and implementation teams are recognized internationally for their unique ability to partner with local offices and key players to effectively manage many aspects of water feature design and construction.

Collaborating with developers, architects, designers and contractors, Crystal Fountains' creativity and technical expertise provide choice solutions in water feature design. A deep understanding of water features, both big and small, makes Crystal Fountains an international favorite.

Throughout history, water features were seen as central gathering destinations. We design our projects and products with "place making, captivation and sustainability" for the end user in mind – the people who watch, listen and interact with these unique spatial elements.

Crystal Fountains was founded in 1967 by Roger L'Heureux who was commissioned to design and build the main water feature at EXPO 67 in Montreal. He later acquired Decorative Fountain Company (DEFO), a manufacturer of fountain components. Crystal Fountains has evolved to market its commercial products under the Crystal® name that has worldwide recognition.

Crystal Fountains established a solid customer base throughout Canada during the 1970s and 1980s, and was a favorite among major developers. In the early 1990s, Crystal Fountains invested considerably to establish itself in export markets. Crystal Fountains now has clients throughout the world in Southeast Asia, Europe, the Middle East, Latin America and the United States.

Crystal Fountains, now owned by Paul and David L'Heureux, has grown to over 70 employees, with offices in Toronto, Dubai, (since 2007) and Warsaw (2010). Our people skill sets include creativity, innovation, product development, design, engineering, manufacturing, customer service, field support, and project management services.

Crystal Fountains offers a range of services to assist in the design and implementation of water features

- Custom and premium water feature component manufacturing
- 3000 square feet of testing facilities for new effects development
- Creative / Concept Design with WaterLab Simulation Visualization Capabilities
- Design Development & Mechanical & Electrical design assistance
- Tender Documentation & AutoCAD Drawing
- Water Feature Architectural Design support
- Peer Review
- Program Management & Site Inspections
- Water Feature Commissioning & Operations Training
- Choreography & Programming

Fueled in part by today's more complex water features (custom water sculptures, custom water effects & choreographed/animated water and lighting), Crystal Fountains' specialist skills are in demand to carefully manage various aspects of a commercial water feature project.

Qualification Statements

E.L. Robinson has a strong background in planning and design of pedestrian spaces, plazas and streetscape improvements. Our team has over 41 years experience working with communities in West Virginia, Ohio, and other states.

Additionally, E.L. Robinson has over 180 staff members, including registered landscape architects, professional engineers, surveyors, and construction technicians. Our offices in Cross Lanes, West Virginia will provide the identified scope of services.

ELR's team has been fortunate to assist other communities with pedestrian walkways and urban plaza design services for many capital improvements projects. The following is a partial listing of similar projects relevant to the West Virginia State Capitol Hardscape Project.

1. Clay Center Sculpture Plaza

Scope: Construction documents, landscape and hardscape design for plaza around sculpture.

2. Forks of Coal State Natural Area

Scope: Design of the site preparation plans for a new museum, visitors center and Elk population center gateway.

3. Stonewall Jackson Resort State Park Pedestrian Bridge

Scope: 900 linear feet timber frame bridge across Stonewall Jackson Lake.

4. Stonewall Jackson State Park Lodge, Campground

Scope: Responsible for master planning and site construction design for the 2,000 acre resort.

5. Braxton County WVDOH ADA Design-Build

Scope: Engineering design and landscape architecture services, construction plans, permitting, DD-811 exception form preparation, punch list preparation, inspections, as-built record drawing completion.

6. Williamson City Hall Exterior Update

Scope: Design accessible walkways and ramps for three entries to City Hall.

7. Mt. Hope Streetscape Phase 3 & 4

Scope: Continuation of design services for sidewalk replacement, new street lights, wall repairs and metal railing along 4 city blocks.

8. Stratton Street Sidewalks

Scope: Topographic Survey, Structural Engineering, Site design, material selection, construction documents, bidding, and construction observation.

9. Lincoln County Trails to the Future

Scope: Developed to expand the recreational trails opportunities by providing a platform for new trails to be developed, while leveraging the existing trails, parks and recreational amenities,

10. Ceredo Kenova Sidewalks

Scope: Add sidewalks or upgrade along Bike Path in Ceredo.

11. Parsons Main and Second Streets

Scope: PS&E approved by DOH. Bidding by City with July 29, 2015 bid opening. ELR will provide construction administration.

12. Discovery Junction Community Park

Scope: Surveying, engineering design and landscape architecture services, construction plans, environmental permitting and bid documents.

- 13. Sandy Hook Community Park**
Scope: Survey, design, construction documents, bidding and construction administration.
- 14. Ronceverte Comprehensive Plan**
Scope: Base mapping, site analysis, land use planning, and public meetings.
- 15. Davis Riverfront Park**
Scope: Develop a master plan and report for upgrades to the Davis Riverfront Park.
- 16. Clay Center Plaza and Fountain**
Scope: Prepared construction and bidding documents and provided construction administration for a new public plaza space
- 17. Water Ways Park and Miniature Golf Course**
Scope: Assisted in evaluation of property and design.
- 18. Star City Phase II Streetscape and Trailhead**
Scope: Sidewalk replacement, new concrete and brick pavements, street lights and storm drainage improvements on several city streets.
- 19. Logan County Courthouse ADA Upgrades**
Scope: Concept planning, surveying and base mapping, detailed design, bidding and construction administration.
- 20. Charleston's East End Kids Walk & Bike Project and Safe Routes**
Scope: Surveying, engineering design and landscape architecture services, construction plans, environmental permitting, bid documents and construction administration.
- 21. Tamarack**
Scope: Concept design, detailed design, construction plans and technical specifications.
- 22. WVDOH Lewis County ADA Design-Build**
Scope: Engineering design and landscape architecture services, construction plans, permitting, DD-811 exception form preparation, punch list preparation, inspections, as-built record drawing completion.
- 23. Montgomery Amtrak Train Station Improvements**
Scope: Field surveying and mapping, concept planning, detailed design, bidding, construction administration and inspection services.

Subconsultant projects:

- Point State Park**
- Palace of Versailles**
- Washington Harbour**
- Smale Riverfront**

Profiles and descriptions of the most recent projects with the client references can be found toward the end of this statement of qualifications.

This team of planners, landscape architects, engineers and surveyors has been specifically assembled for this project because of their experience relating to your project and for preparing context sensitive solutions that are realistic. Resumes for each team member are included on pages 16-32.



Firm's Staffing / Capacity to Perform Project's Scope

Professional Qualifications

Mr. Todd Schoolcraft will serve as Project Manager. 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.

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

Mr. Jeff Nelsen, will serve as Project Advisor. Mr. Nelsen has practiced landscape architecture for over 40 years. 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.

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

Mr. Eric Coberly will serve as Project Engineer. Mr. Coberly has over 30 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. Mark McMettigan will serve as Project Engineer. Mr. McMettigan has nearly 20 years of experience as an infrastructure engineer. He has extensive experience in project planning, funding coordination and water and wastewater design. Mr. McMettigan has taken many large water and wastewater projects from the initial development phase through the construction phase. His experience includes writing

preliminary engineering reports, developing funding scenarios, designing systems, developing plans and specifications, overseeing the bidding process and managing the construction inspection. Specifically, Mark was the primary design engineer and task leader on the Pipestem State Park Campground and Beech Fork Campground improvements, which is currently in the bidding stage for the WVDNR.

Mr. Tim Scott has over five years of experience as a landscape architect working on a wide variety of projects, the majority of which incorporates trail design and non-motorized circulation. He has experience working on projects of all scales, from master plans to pocket parks, and with a variety of clients to include the WVDOH and the WVDNR. Prior to joining ELR in 2016, Tim was involved with projects and organizations in eastern Ohio and northern West Virginia which worked on connecting the existing trail system in Wheeling, WV with those in central Ohio by utilizing share-the-road and rail to trail expansion and acquisition.

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

Mr. Jeff Petry will provide engineering support. Mr. Petry has nearly 10 years of experience as an infrastructure engineer. He's proficient in a multitude of areas such as project planning, design, modeling, bidding, construction monitoring and wastewater collection system analysis. Mr. Petry also is an owner-operator of his own kayak livery on the Little Coal River, and has grown up an avid fisherman and water sports enthusiast.

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. John Cruikshank, will be assigned Surveying duties. In the past, his duties included gathering information pertaining to right-of-way acquisition for highway projects, more specifically deed research and correspondence with private and commercial property owners for purpose of development of right-of-way plans associated with property maps.

Subconsultant - Crystal - fountain design

As Director of Special Projects at Crystal, **Robert Mikula** has focused on a wide array of high-profile international water feature commercial projects throughout the world. His expertise is derived from over 20 years experience in design & project management as well as being a registered Landscape Architect. Mr. Mikula's interest in "water shaping" was sparked through several years of designing aquatic theme parks prior to joining the Crystal team. Robert has also contributed to water feature educational programs as a guest instructor and to magazine articles.

Hanna Koh is a Designer at Crystal Fountains, specializing in commercial water feature design and communicating water feature concepts in visual language. Hanna has a background in Architectural Design, focusing on exploring commercial and institutional spaces to create better spatial efficiency and experience for its users. Hanna is proficient with 3D design tools (Sketchup, WATERlab, Rhino, Revit) and conveying the ideas using 2D software (Adobe Creative Suites, AutoCAD).

Capacity to do Work

We are currently developing or finalizing design plans or involved in construction administration with many infrastructure projects in southern West Virginia. The ELR team has and will continue to manage these projects to completion. We believe our current and past experience will be a benefit for the West Virginia Department of Administration, General Services Division and the WV State Capitol Complex Hardscape Project.

Past Performance

The list of projects are predominantly related to pedestrian walkway and urban plaza projects. In the last 2.5 years alone E.L. Robinson's staff have completed or are currently providing services for nearly 30 projects with a total construction exceeding \$15 million. All of the projects completed have been done within the available grant and local funds, accomplishing the scope of work envisioned prior to construction.

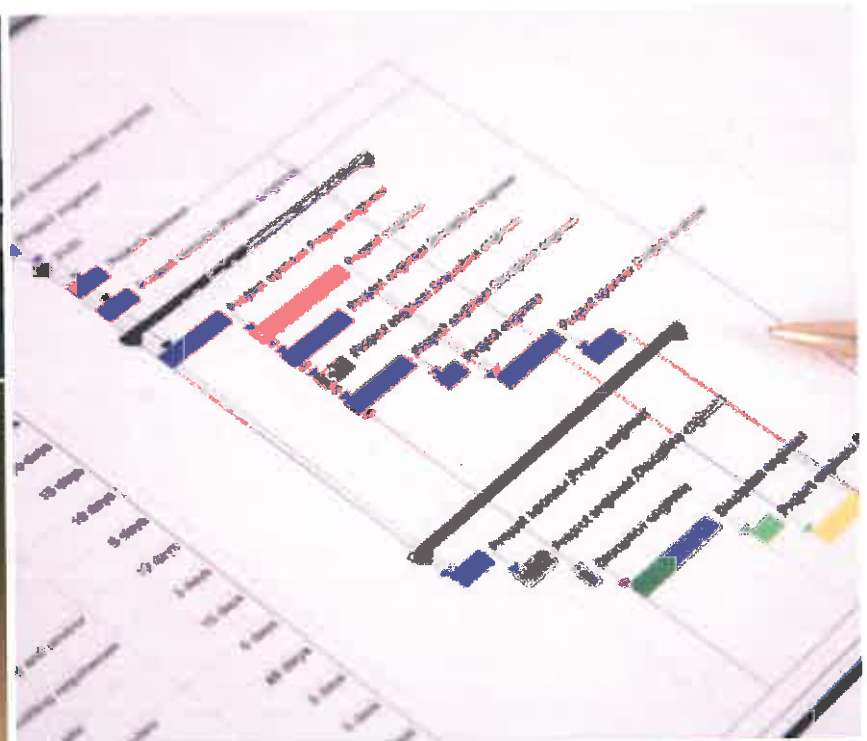


Schedules and Deadlines Budget and Cost Accounting

Schedules and Deadlines – are established with the client at the start of the project. These deadlines are set up in a software package to assist project managers in tracking actual tasks and their completion. All project managers are familiar with this scheduling procedure and required to use it. Internal weekly resource meetings are held to check progress and reallocate staff resources if necessary. We would estimate the final construction plans are to be completed in time for the spring 2020 construction season.

Budget Management & Cost Accounting – Keeping a project in budget requires having the right information and current information. ELR uses a daily web-based time sheet program. Project managers know where projects are relative to budget on a daily basis. At no time is the project manager unaware of what has been charged to the project.

We use this same system to provide accurate cost estimates. By comparing the scope of services to similar previous experience, we are able to carefully estimate project costs by properly adjusting for labor, equipment, and other expenditures.



On Time. On Budget.

Project Approach

E.L. Robinson will work closely with the West Virginia Department of Administration, General Services Division, and other stakeholders at the State Capitol Complex to allow this project to advance. We feel that our respective knowledge and experience in the planning and detailed design of similar projects are significant assets in developing a cost effective solution for the WV Capitol Complex Hardscape Repairs project.

Professional services may include the following:

Obtain aerial topographical, GIS, Lidar, right-of-way and other mapping from the WVDOH, General Services Division of WV Department of Administration, or other possible entities:

- Utilize existing based mapping for the WV State Capitol Complex Hardscape made available from the previous study.
- Augment existing mapping with a field survey to establish critical spot elevations, slopes and pavement areas requiring replacement, and existing utilities on-site.

Data Collection and Project Scoping:

- The 54.3-acre core of the Capitol Complex is defined by the area encompassed by Greenbrier Street, Piedmont Road, California Avenue and the Kanawha River.
- Within the core area exists approximately 383,700 square feet of walks, terraces and steps, or approximately 16.2 percent of the site (per 2012 master plan).
- The majority of the paved walking surface is broom-finish or exposed aggregate concrete, although precast concrete pavers account for 100,560 square feet, or 31 percent, and brick pavers equal 10,776 square feet, or 3 percent (per 2012 master plan).
- The WV Capitol Complex Hardscape Repair plans should accomplish the following:
 - Utilize 2013 walkway surveys and assessment report prepared in 2018-2019 to develop bid documents for "spot" repairs.
 - Trust but confirm surveys and assessment report while preparing construction plans and bidding documents.
 - Prepare subsequent, separate bid documents for the 1) Culture Center/ West Wing pedestrian areas; 2) Historic Washington Street Main Capitol pedestrian thoroughfare; 3) North Plaza of the Main Capitol including the fountain; and 4) the East Wing Public Entrance accessibility ramp.
- Consider review/permitting requirements such as the Capitol Building Commission; SHPO, NPDES, etc.
- Prepare a geotechnical investigation of the proposed pavement improvement areas.

Project Development:

- Review 2013 walkway surveys and 2018-19 assessment reports.
- Inventory existing conditions at the Capitol.
- Meet with Dept. of Administration GSA / Capitol Building Comm. to identify key components for improvement and potential issues.
- Develop a preliminary plan for "spot" hardscape improvement docs.
- Prepare/submit all necessary permits for proposed improvements.
- Finalize construction plans for review/approval by the Dept. of Administration GSA / Capitol Building Comm.
- Prepare cost estimate for proposed improvements.
- Assist the Owner in bidding the project.
- Provide construction management and construction administration services.



The WV State Capitol Grounds during Easter festivities.



Winter at the WV State Capitol, Charleston, WV.



The North Plaza and Fountain, looking south.

Our Project Team



WV Department of Administration Division of General Services



Gregory C. Melton, Director

QA/QC

Ed Robinson, PE, PS

Project Advisor

Jeff Nelsen, PLA

Project Manager

Todd Schoolcraft, PLA, ASLA,
LEED®GA

Fountain Design

Robert Mikula OALA, CSLA
Hanna Koh, BAS

Surveying & Mapping

Tom Rayburn, PS
John Cruikshank

Landscape Architecture

Todd Schoolcraft, PLA
Tim Scott, PLA
Gracety Carper

Civil Engineering

Mark McGettigan, PE
Jeff Petry, PE

Staff Resumes



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
- 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

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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**



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.

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 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.

Greenbrier River Rail-Trail Improvements for the West Virginia Department of Natural Resources, Parks and Recreation Division in Greenbrier County, West Virginia. Project Principle. Responsible for field inventory and analysis, base map preparation, concept development, detailed design, and construction documents preparation. The banks of the Greenbrier River were literally washed away twice during severe flooding in 1996. Also washed away were parts of the Greenbrier River Trail, the 88-mile former railroad line from Cass to Caldwell, which is maintained by the West Virginia Division of Natural Resources. Our charge was to assess

[continued]

the damage on a 24-mile section of trail from Cass to Marlinton, which ranged from simple debris removal to replacement of the entire trail cross section and sub-base material. This inventory of damage was graphically represented utilizing digital scans of the original 1916 Chesapeake and Ohio Railway Co. Valuation Maps, indicating exact locations, the extent of damage, and treatment required.

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

Little Coal River Boat Ramp, Alum Creek, WV: WVDNR retained E.L. Robinson in 2017 to prepare survey, geotechnical evaluation, and construction documents for upgrades of this existing access site near the US 119 Bridge off of County Route 8. The site related elements ELR will design are: Upgrade the existing road into the site; new concrete ramp built to the river's edge to allow for vehicles with boats easier water access to unload via trailer or roof racks; entry sign; Parking for vehicles and trailered vehicles; and gates to prevent public access under US 119 Bridge.

Little Beaver State Park Campgrounds for the West Virginia Department of Natural Resources, Park and Recreation Division, Beaver, West Virginia. Project Manager. Little Beaver State Park is located near Beckley, West Virginia. The park has been a day use destination for the area residents for many years. With the completion of Interstate 64, within 10 minutes from the park and given the tourist growth in southern West Virginia, WV State Parks requested the design team of landscape architects to evaluate the feasibility of a campground on presently unused property of the park. Upon completion of the feasibility study, ELR's landscape architects completed construction documents for a 75-unit campground located on a mixture of woodland and meadow lands. The campground was accessed by a new one-mile road. The site amenities included utilities at each campsite, three bathhouses, a check in station and a mixture of pull-through and back-in sites.

Chief Logan State Park Campground for the West Virginia Division of Natural Resources, Logan County, West Virginia. Project Manager. Provided master planning and construction documents for a new campground located near Logan, West Virginia. At the abandoned West Virginia coal refuse pile that became part of Chief Logan State Park, the design team regraded the borrow pit mining operations had opened nearby, converting it into an outdoor amphitheater for campfire programs. Also left in place was a tower that was once part of the old mine's surface works for use as an outlook platform, to tie it to the present site in an interpretive fashion. Design convention has long decreed that the often harsh contours of such sites be softened or "naturalized." Confronted by the high wall typically left by a big coal shovel's last cut, Mr. Nelsen explains, the first impulse of the landscape architect is to push topsoil up against it. But the violence of surface mining in particular leaves a deranged terrain that often lends a site a topographical distinction that more placid local landscapes do not have. The final design and project construction won an ASLA National Merit Award.

Kanawha Falls Public Access for the West Virginia Division of Natural Resources, Glen Ferris, West Virginia. Project Manager. Provided master planning and construction documents for a riverfront public access at Kanawha Falls on the Kanawha River located near Gauley Bridge, West Virginia. Kanawha Falls is a combination of man-made and natural falls next to a hydroelectric power plant which affords high scenic value and excellent fishing. The project included an access road, parking, boat launch area, accessible fishing pier, picnic shelters, restrooms, picnic area and trails.



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

Professional Experience

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

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

WV State Capitol Complex Master Plan 2012, Charleston, West Virginia. WV Department of Administration, General Services Division. Project Landscape Architect. Responsible for master planning guidance, field inventory and analysis, stakeholder meetings, and document generation. As a member of a multi-disciplinary team for the West Virginia State Capitol Complex Master Plan, set forth to comprehensively address the future of the campus, including preservation and adaptation of the Cass Gilbert designed and inspired landscape. Documentation of the landscape history and existing conditions, including pedestrian hardscape conditions and ADA accessibility, formed the basis for analysis and future recommendations to steward the campus landscape and enhance the cultural significance while addressing the cotemporary needs with regard to systems infrastructure, circulation, grounds care, and security. The Master Plan will provide direction for the improvement and growth of the Capitol Complex over the next 20-30 years. The plan addressed a variety of campus issues in a holistic way, taking advantage of the existing assets while addressing the needs of a 21st century capitol campus.

Downtown Nitro Streetscape and Pedestrian Master Plan, Nitro, West Virginia. City of Nitro. Project Manager. Responsible for master planning guidance, design, community meeting assistance, and document generation. Developed a streetscape master plan for the city's business district. Services include base mapping, data collection and analysis, public involvement, stakeholder coordination, preparation of the preliminary and final master plan, and phasing and funding recommendations. Construction build-out was later executed for Phase I – Bank Street.

Hale Street Morrison Building Streetscape Repair for R. Brawley Tracy, Esq., (Owner) in Charleston, West Virginia. Project Landscape Architect. Responsible for field inventory and analysis, conceptual design and cost estimate preparation. Developed design and concept plans for the repair of an existing streetscape along the Morrison Building of Hale Street in Charleston's Downtown Village District. Amenities included new stamped colored concrete sidewalks, granite curbing, period light fixtures, and wrought-iron trash receptacles. The stamped colored concrete was specified to match the existing red bricks found in the sidewalks throughout Charleston, while also providing a watertight solution for a leaky basement that protruded two feet under the existing sidewalks.

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City of Elkins Wees District Sidewalk Improvements Project for the City of Elkins, West Virginia. Project Manager. Responsible for design and document quality oversight. Performed complete planning, design, and construction management services for the "spot repair" of existing sidewalks in the Wees Historic District along High Street in Elkins, Randolph County. The improvements included concrete sidewalks with adjacent 2-foot lawn panels, new curbing, driveway curb cuts, ADA accessible curb ramps with truncated domes, ladder-style crosswalks, storm water improvements, period street lights utilizing LED technology, and landscaping. The final design made accommodations to preserve and protect original wrought-iron fencing at various locations, and the grand pedestrian promenade flanked on both sides of the street by iconic English oaks. Also provided construction administration and periodic site review during construction.

Sophia Main Street Improvements for the Town of Sophia in Sophia, West Virginia. Project Manager. Responsible for conceptual design, detailed design, construction documents, bidding, and construction administration. Prepared concept designs for public input meetings, then further developed detailed design and construction documents, and provided bidding and construction management services for sidewalk improvements and streetscape enhancements for the Town of Sophia, Raleigh County, WV. Project consisted of four blocks of city street improvements to include concrete sidewalk replacement, period light fixtures, concrete curbing, driveway curb cuts, ADA accessible curb ramps with truncated domes, ladder-style crosswalks, storm sewer improvements, benches, trash receptacles and landscaping. Some of the bolting patterns to the newly installed street lights were modified at the factory to accommodate existing pole bases, allowing the Owner to keep costs down by reusing the concrete bases, conduits, conductors, and power source from an earlier street lighting project.

Nitro City Park Streambank Stabilization and River Access along the Kanawha River, for the City of Nitro, West Virginia. Project Manager. Responsible for field inventory and analysis, base map preparation, concept development, detailed design, construction document preparation, and construction management. Developed the design and prepared the permitting for a riprap stabilization dike along the Kanawha River. The design included a proposed 700 lineal foot riprap stabilization dike to support and stabilize the existing riverbank, which was exhibiting signs of instability. The crest of the riprap dike was designed to support a concrete walking trail and steps for river access, as well as other new park amenities. Work included engineering design of the dike, preparation of construction drawings and specifications, US Arm Corps of Engineers permitting and execution of a mussel survey. In addition to the concrete walking trail along the top of the riprap dike with steps to access the lower walkway, other amenities include walking trails along the top of the riverbank, benches, picnic shelters, a tension fabric canopy to function as an outdoor stage and overlook, floating docks for river traffic access, and landscaping.

North Bend Rail-Trail Preservation Project for the West Virginia Department of Natural Resources, Parks and Recreation Division, and the West Virginia Division of Highways, along US 50, West Virginia. Project Manager. Responsible for field inventory and analysis, base map preparation, concept development, detailed design, and construction documents preparation. Scope of work consisted of developing plans to rehabilitate 30 miles of the Trail along Route 50, beginning at Wolf Summit (just west of Clarksburg) and ending just outside of Pennsboro. The Phase I construction will focus on the Salem area, and the Trail from Smithburg to east Toll Gate. Proposed base bid improvements include gravel trail resurfacing, ditch clean-out, culvert installation, drain inlets, riprap erosion protection, sinkhole repairs, vehicular access gates, wood bollards, split-rail fencing, and signage. Alternate bid work includes a pervious asphalt overlay for the trail surface, and bridge decking replacement. A Federal grant of more than \$1.05 million was utilized to remedy flooding and erosion in the first, and most damaged section of trail in Doddridge and Harrison Counties. The North Bend Trail is now part of the Industrial Heartlands Trail, and when completed, will create a 1,400 mile loop through Pennsylvania, New York, Ohio and West Virginia.

Pennsboro Trailhead, Old Stone House/Boarding House, and Historic B&O Train Depot Improvements for the City of Pennsboro and the Ritchie County Historical Society in Pennsboro, West Virginia. Project Landscape Architect. Responsible for concept planning, detailed design, construction documents, bidding, construction administration and construction inspection. The Ritchie County Historical Society, in conjunction with the City of Pennsboro, solicited services for the planning and detailed design of a new trailhead along the North Bend State Park Rail Trail. Site improvements include the first known use of pervious or porous asphalt in West Virginia as the pavement surface for the parking area. A rain garden/bio-retention swale was also included as some of the green, sustainable design solutions proposed. Construction administration and inspection services were provided for the trailhead work, plus restoration of the Old Stone House and Boarding House, built in 1810. Now a museum, the Old Stone House/Boarding House once served as an inn for Americans heading for the frontier to rest their weary bones before continuing westward. Construction services also included the continued restoration of the historic B&O Railroad Depot in Pennsboro, also currently serving as a museum. This project was awarded an ASLA Merit Award.

Education

Bachelor of Science in Landscape Architecture
Minor in Geography: GIS and Regional Planning and Development
West Virginia University, 2010

Registrations

Professional Landscape Architect in Ohio.
Currently pursuing reciprocity in West Virginia and Kentucky

Professional Experience

Mr. Scott joined E.L. Robinson in August of 2016 and has since become an integral part of the design team. Prior to joining E.L. Robinson, Mr. Scott worked for a small landscape architecture firm in eastern Ohio where he was the project manager for residential projects while also working on various other projects that spanned into northern West Virginia and south-eastern Pennsylvania. Mr. Scott has experience in all phases of the design process in projects including: parks and recreation; streetscapes; commercial and residential design; civic and institutional design; botanic gardens; and trail design. Aside from working at E.L. Robinson, Mr. Scott has over twenty years of military experience and currently flies UH-60 Blackhawk helicopters for the West Virginia Army National Guard.

Representative Projects

Bridgeport Route 58 Pedestrian Walkway - Bridgeport, WV: Worked on final design and prepared construction documents for a connector trail along Route 58 between downtown Bridgeport and the existing trail leading to Deegan and Hinkle Lakes Park. The project consisted of an accessible, asphalt trail with segmented block retaining walls in areas where required and addressed storm water drainage issues. In addition to the trail, approximately 350 linear feet of sidewalk was replaced which incorporated accessible curb ramps to tie into the city's updated sidewalks.

Forks of Coal State Natural Area - Alum Creek, WV: Worked on final design and prepared construction documents for a new state natural area and education center at the confluence of the Big Coal and Little Coal Rivers. The project's final design encompassed a complete site design to include: a new access road; building placement and orientation; an entry plaza and gathering space; parking lot design with bioswales and a detention basin; vehicular and pedestrian circulation; an outdoor amphitheater/classroom with accessible seating and an accessible trail with retaining walls for access; and a new entry sign.

Military Road Park - Zanesville, OH: Worked on all phases of the design process from conceptual design, to preparing construction and bidding documents, through providing construction administration and project close-out. The design of the project was to create an accessible trail which connected to an art museum through a newly established meadow and woods; removing invasive species while reestablishing native tree species to provide a wooded area over time. The initial design elements consisted of an accessible parking space, an asphalt trail, a wood chip path, a custom-designed stream crossing, deer fencing, and new planting.

McIntire Wildlife Park - Zanesville, OH: Worked on all phases of the design process from conceptual design through preparing construction and bidding documents. The design consisted of a reuse of the former site of McIntire Elementary School in Zanesville to create a pocket wildlife park for the local community as well as provide outdoor classrooms and educational spaces for the local schools. The enclosed park created new off-street parking; asphalt and compacted gravel trails through the site; an outdoor amphitheater/classroom; educational gardens; a water feature to attract wildlife; and bird houses, bird baths, and bat boxes. The planting scheme for the park was designed to create a succession of landscapes which mimic the natural landscapes of central and eastern Ohio: forests, successional shrub zones, and natural meadows; all while promoting wildlife habitation.

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Mt. Wood Cemetery and Overlook - Wheeling, WV: Prepared a conceptual master plan for the historic Mt. Wood Cemetery in Wheeling, WV, including the locally famous overlook, which provides a 270 degree view of Wheeling and the Ohio Valley. The master plan consisted of cleaning up the cemetery and reestablishing its connection to North Wheeling by exposing the original stone steps leading from the cemetery to Market Street and by designing new paths and trails that intertwine throughout the cemetery for people to utilize. The concept also proposed a clean-up of the overlook, which utilizes the existing structure to provide an iconic destination for locals and visitors, and includes: a walking path with an elevated walkway; art installations designed by WV artists; and large "Hollywood Sign" style Wheeling letters which will be visible from throughout the city.

The Health Plan Corporate Headquarters - Wheeling, WV: Provided conceptual and final site designs; and prepared construction documents and bidding documents for the new corporate headquarters building in downtown Wheeling. The project consisted of a complete site design which included off-street parking, an outdoor pocket park, a sandstone and grass amphitheater and open space for outdoor exhibits. The project also included a new streetscape design which incorporated the use of bioswales which separate the sidewalks and on-street parking to help reduce the load on the city's storm system. The intent of the new streetscape design is to serve as the City of Wheeling's new standard for future streetscape designs.

Market Street Plaza Redesign - Wheeling, WV: Prepared construction documents and provided construction administration for the redesign of Market Street Plaza in downtown Wheeling. The redesign consisted of improving both vehicular and pedestrian traffic all while maintaining ADA standards; preserving and promoting a portion of the city of Wheeling's history and culture; and providing the area with a safe place for local businesses and their patrons to gather. The elements of the redesign consisted of new concrete sidewalks and brick paving; on-street and off-street parking; gated access for tenants; new tables and benches; historic interpretation and signage; and new planters and planting material.

Belmont County Senior Services Center - St. Clairsville, OH: Worked on all phases of the design process from conceptual design through preparing construction and bidding documents. The project consisted of a complete site design to include building location and orientation; visitor and employee parking design; vehicular and pedestrian circulation; and on-site storm water retention. The elements of the design included concrete sidewalks, bioswales, traffic signage, and planting material.

Seven Springs Mountain Resort Parking Plan - Seven Springs, PA: Assisted with conceptual redesign of the main parking lot for the main lodge of Seven Springs Mountain Resort in Pennsylvania. The redesign improved vehicular and pedestrian circulation while incorporating bioswales and bioretention for storm water control.



Education

B.S. Landscape Architecture, West Virginia University, 2019

CADD Technician Certificate, Carver Career Center, 2015

Graduate, Herbert Hoover High School, 2015

Registrations

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

Professional Experience

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

Representative Projects

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

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

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

Harrisville Sidewalk Improvements Phase III for the Town of Harrisville, Ritchie County, West Virginia. CAD Design. Responsible for computer-aided drafting and design, and construction document production. Developed detailed design plans and construction documents for sidewalk improvements along East South Street and South Stout Street in downtown Harrisville, WV. Project consisted of two blocks of sidewalk improvements, tying commercial business areas and residential areas with new safe, convenient, ADA-accessible walkways. Amenities included 648 square yards of concrete sidewalks, curb ramps with truncated domes, concrete steps, structural concrete wall, concrete curbs, driveway curb cuts, crosswalks, storm sewer improvements, asphalt patching and signage.

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

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

Discovery Junction Community Park, Town of Marlinton, Pocahontas County, West Virginia. Landscape Designer. Responsible for field inventory, computer-aided drafting and design, and construction document production. A new park is set to literally SPRING up along the scenic Greenbrier River in beautiful Pocahontas County, West Virginia: Discovery Junction Community Park. Working with the Town of Marlinton's Park Steering Committee, E.L. Robinson's landscape architects developed plans for the 0.33-acre park on a vacant lot in the center of downtown Marlinton. Strategically located immediately beside the historic Pocahontas Opera House (c. 1910), on the Appalachian Waters Scenic Byway, and within walking distance to the Greenbrier River Rail-Trail, the new park will feature an exposed timber-frame outdoor stage and farmer's market walk, and a spray park that will feature an animated black bear scaling a large tree, with water cascading down from the tree dripline. The stage will be outfitted to allow for weekend outdoor concerts and plays, as well as doubling as a farmer's market for local agriculturalists to market locally-grown produce. The stage will be constructed of locally harvested timber and veneered with stone quarried from local sources. The park will also utilize environmentally friendly, green materials such as park benches made from recycled plastics, enviro-pavers, bio-retention rain gardens and pollinator gardens with native and naturalized plant materials.

Lewis County ADA Design-Build Improvements, Jane Lew and Weston, West Virginia. Landscape Designer. Responsible for field inventory, computer-aided drafting and design, and construction document production. ELR and McClanahan Construction prepared construction plans, permits, DD-811 exception forms, and as-built record drawings for 160 curb ramps located in Jane Lew and Weston, in Lewis County, WV. The project was a design-build joint venture to bring into Americans with Disabilities Act (ADA) compliance sidewalks in 160 different locations along U.S. Routes 33 and 19 in Weston, and U.S. Route 19 and County Route 7 in Jane Lew. ELR worked closely with McClanahan Construction, the WVDOH District 7 Engineer's Office, and WVDOT ADA Coordinator Raymond C. Patrick to develop plans to construct the 160 curb ramps and sidewalks in accordance with the Proposed Accessibility Guidelines for Pedestrian Facilities in the Public Right of Way (PROWAG), and DOH Design Directives (DD) 811 and 813. ELR's staff utilized a two-phase approach to the design process, Phase 1 identifying standard curb ramp locations and types, for early review/approval efforts. Phase 2 identified non-standard curb ramps requiring surveying or additional detail beyond the typical WVDOH curb ramp and accessibility details. Construction was completed by the April 26, 2019 deadline, with only one change order (client added a Type B drain inlet and storm pipe).



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

Professional Experience

Mr. Coberly has more than 30 years of experience as an infrastructure and mining engineer. He has extensive experience in project planning, funding coordination and design. Mr. Coberly has managed projects with ELR which have involved site development, infrastructure planning, water, sewer, geotechnical analysis, abandoned mine reclamation projects, building construction, active surface mining projects, insurance investigations, providing expert witness services and various post mining land use projects.

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

- Participated in over 110 AML project designs.
- 34 years of AML Reclamation design experience.
- 22 years of AML Program experience with WVDEP including managing both construction and design sections in addition to serving as Office Chief.
- Reviewed hundreds of AML Project designs since 1984.
- Knowledgeable of AML construction practices.

Representative Projects

Carson One Special Reclamation Project

Project Location: Upshur County, WV. Client: WVDEP-Special Reclamation, Philippi, WV. Completion Date: June 2015
Project Description: Performed surveying, drilling and design for regrading refuse, sealing mine shafts and slopes and upgrading drainage structures.

Squires Creek (Moats) Portal and Refuse

Project Location: Preston County, WV. Client: WVDEP-AML, Bridgeport, WV. Completion Date: December 2014
Project Description: Performed surveying, drilling and design of refuse area and portals.

Sugarcamp Run Burning Refuse Phase II

Project Location: Nicholas County, WV. Client: WVDEP-AML, Oak Hill, WV. Completion Date: 2013
Project Description: Performed site survey, drilling and prepared burning refuse abatement design.

Abney Refuse Pile

Project Location: Raleigh County, WV. Client: WVDEP-AML, Oak Hill, WV. Completion Date: 2011-2013
Project Description: Field surveying and mapping, subsurface investigation, design work for refuse regrading, mine seals, and drainage.

Cartwright Branch Refuse Pile

Project Location: Logan County, WV. Client: WVDEP-AML, Charleston, WV. Completion Date: 2011-2012
Project Description: Performed survey, drilling, design for refuse regrading and mine drainage control.

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Thorpe Refuse Pile

Project Location: McDowell County, WV. Client: WVDEP-AML, Oak Hill, WV. Completion Date: 2011-2012
Project Description: Performed survey, drilling, design for refuse and spoil regrading and mine drainage control.

Gordon "C" Refuse Pile

Project Location: Boone County, WV. Client: WVDEP-AML, Oak Hill, WV. Completion Date: 2010-2012
Project Description: Field surveying and mapping, subsurface investigation, design work for mine seals, drainage, and refuse reclamation.

Keaton Branch Complex

Project Location: Raleigh County, WV. Client: WVDEP-AML, Oak Hill, WV. Completion Date: 2010-2011
Project Description: Performed survey, drilling, design for refuse, regrading and mine drainage control.

Dunloup Creek Complex

Project Location: Raleigh County, WV. Client: WVDEP-AML, Oak Hill, WV. Completion Date: 2009-2011
Project Description: Performed survey, drilling, design for refuse and spoil regrading and mine drainage control.

Glen Alum Complex

Project Location: Mingo County, WV. Client: WVDEP-AML, Charleston, WV. Completion Date: September 2014
Project Description: Performed surveying and design for large refuse area and upgrading of surface drainage.

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

- City of Bluefield Commercialization Center - \$2.55 Million
- Greenfield Cabinetry Building Expansion - \$3.64 Million
- Scott Findley Road Waterline Extension Project - \$1.2 Million
- Exchange Road Phase I Waterline Extension - \$3.1 Million
- Putnam Business Park Utility Extension Phase II - \$1 Million
- Kenova Downtown Water System Upgrade - \$1.9 Million
- Kenova Prichard Waterline Replacement and Upgrade Project - \$4.7 Million
- Route 18 South-Snowbird Road Waterline Extension Project - \$969,000
- Big Flint Waterline Extension Project - \$7.8 Million
- Poca Belt Press - \$1.6 Million
- Blue Knob Waterline Extension Project - \$2.3 Million
- Town of Burnsville Sewer Study - \$2.7 Million
- Bergoo Wastewater Collection and Treatment System Project - \$2.7 Million
- Cow Creek Waterline Extension Project - \$815,000
- WVDEP OSR Viking Preston Mining Project - \$2.3 Million



Brandon Conley, P.E. Project Engineer



Education

M.S.E. Engineering Management, Marshall University, 2016
B.S. Civil Engineering, West Virginia Institute of Technology, 2009

Registrations

Registered Professional Engineer in West Virginia, Kentucky and Ohio

Professional Experience

Mr. Conley has more than 8 years of experience in project conception, planning, design, computer modeling, preparation of plans and specifications, permitting, coordinating with other utilities, land acquisition, easements, bidding, preparing invoices, construction management, site inspections and updating client's board members for a variety of projects ranging from small extensions to complete system upgrades. Training includes preliminary engineering reports, line layout, hydraulic design, lift and booster station design, water storage tank design, preparation of construction documents and specifications, preparation of permit applications and coordination with regulatory and funding agencies.

Representative Projects

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

Education

B.S. Civil Engineering, West Virginia Institute of Technology, 2008

Registrations

Registered Professional Engineer in West Virginia

Professional Experience

Mr. Petry has almost 10 years of experience as an infrastructure engineer. He has experience in a variety of areas including potable water distribution system extensions, wastewater collection system extensions, wastewater collection and treatment systems inflow and infiltration studies, and wastewater collection system remediation projects. He is proficient in a multitude of areas such as project planning, design, modeling, bidding, construction monitoring and wastewater collection system analysis.

Representative Projects

Mr. Petry has been a Project Designer/Project Engineer on the following projects:

- Town of Wayne Waste Water Treatment Plant Project
- Town of Burnsville Sanitary Sewer Evaluation Survey
- Town of Bradshaw Comprehensive Sanitary Sewer Upgrade Plan
- Branchland-Midkiff PSD - Two Mile Creek Water Extension Project
- Town of Gilbert - Upper Gilbert Creek Water Extension Project
- Town of Gilbert - River Bend Road Water Extension Project
- Marshall County PSD - Mozart Sewer Extension Project
- Town of Salem - Sewer System Evaluation Survey Project
- Town of Salem - Storm Water Elimination Project
- City of Williamson - Sewer System Upgrade Project



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.

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.

[continued]

- 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 Fly-overs 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:
 - 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.



Education

A.S. Survey Technology, West Virginia University Institute of Technology, 1977

Professional Experience

Mr. Cruikshank has almost 40 years of experience in the right of way and utilities fields. His duties include gathering information pertaining to right-of-way acquisition for highway projects, more specifically deed research and correspondence with private and commercial property owners for purpose of development of right-of-way plans associated with property maps. He is also proficient in the preparation of legal descriptions for properties to be purchased for the purpose of highway construction.

Additionally, Mr. Cruikshank is responsible for coordinating utility activities for highway projects, including determination of utilities affected by proposed highway projects, as well as the field location of these utilities. He also maintains correspondence with utility owners for the purpose of developing plans for relocation of utilities affected by highway construction.

Representative Projects

US Route 35 – Couch to Little Five Mile: This project consists of 2.8 miles of four-lane divided highway, 0.5 miles of access road design, one at-grade intersection, and two sets of twin structures. This project included approximately 3.7 million cubic yards of excavation, with an estimated total construction cost of \$30 million. The right-of-way design for this project consisted of takes from approximately 10 parcels and writing of legal descriptions.

US Route 52 - Kermit Bypass: This project consisted of 2.5 miles of four-lane divided highway, 3,000 LF of four-lane access road design, two 4-ramp intersections, one set of twin structures, one single bridge, and 2,900 LF of stream relocation, all of which resulted in 10 million cubic yards of excavation and an estimated total construction cost of \$88 Million. The right-of-way design for this project consisted of takes from approximately 54 parcels and writing of legal descriptions.

Corridor H - Davis to Bismarck: The roadway design portion of this project consisted of 1.75 miles of four-lane divided highway, one bridge, two at-grade intersections, and a 6' X 6' concrete box culvert. This project has an estimated total construction cost of \$9 Million. The right-of-way design for this project consisted of the compilation of right-of-way information from five other consultants and the design of approximately 10.5 miles of right-of-way, takes from approximately 17 parcels, and writing of legal descriptions.

Corridor H – Forman to Moorefield: This project consisted of 5 miles of four-lane divided highway, almost 3 miles of access road design, a truck escape ramp, one set of twin structures, one single bridge, a box culvert, and naturalized stream design. This project resulted in 10 million cubic yards of excavation and an estimated construction cost of \$75 Million. The right-of-way design for this project consisted of takes from approximately 19 parcels and writing of legal descriptions.

Mr. Cruikshank has also been heavily involved in the review of many sets of right-of-way plans for WVDOH. Below is a list of such projects.

- Corridor H – Scherr to Forman
- Corridor H – East of CR 3 to Forman Interchange
- Corridor H – Bismarck to Forman
- Meadowbrook Road

Crystal
where ideas flow™
Subconsultant Resumes



Robert Mikula OALA, CSLA

Principal Designer / Project Director



LOCATION

Toronto, Canada

QUALIFICATIONS

University of Guelph - Bachelor of Landscape Architecture Degree with Honours (BLA)

NATIONALITY

Canadian

SKILLS SUMMARY

- 2005 - Present Crystal Fountains, Toronto, Canada
- 1996 - 2004 - Forrec Ltd. / Moorhead Associates - Toronto, Canada
- 1993 - 1996 Victor Ford and Associates Inc. - Toronto, Canada

PROFESSIONAL AFFILIATIONS

- 2007 Canadian Association of Landscape Architecture (CSLA / OALA) - Full Member Ontario Chapter
- 2005 to Present Genesis 3 Design School - Water Feature Design Instructor
- 2008 to Present AEC Daily Online Learning Centre Instructor
- 2016 Guest Lecturer at University of Toronto School of Design, Grad Students Class LAN2044

Short Biography

As Director of Special Projects at Crystal, Robert has focused on a wide array of high-profile international water feature commercial projects throughout the world. His expertise is derived from over 20 years experience in design & project management as well as being a registered Landscape Architect. Mr. Mikula's interest in "water shaping" was sparked through several years of designing aquatic theme parks prior to joining the Crystal team. Robert has also contributed to water feature educational programs as a guest instructor and to magazine articles.

Mr. Mikula's career as a water feature designer involves projects from the Middle East, Europe and North America. This international exposure has resulted in extensive involvement with the water shaping process from conceptual development & testing to implementation & commissioning. As such, Robert has overseen the design of water effects, architectural water flows, water feature architecture, water illumination and specialist system designs.

Project Experience

- White Square, Moscow, Russia - Central water feature within public square for new Class 'A' corporate office tower development
- World Voices, Burj Khalifa, Dubai, UAE - Collaboration with artist Jaume Plensa for major artistic water feature
- Princess Cruise "Royal Princess" "Regal Princess" & New "Majestic Princess" Ships - Major interactive & multi-media show water feature
- Washington Harbour, Washington DC, USA - Central show water feature for "trophy status" class mixed use development along the Potomac River
- Dubai Expo 2020 - Dubai, U.A.E.
- Princess "Royal" "Regal" & "Majestic" - Cruise Ships
- Central Park of Maple Grove - Maple Grove, Minnesota
- PJ Villa - Dubai, U.A.E.
- Fontain du Quai Paquet - Quebec City, Quebec, Canada
- Downtown Summerlin - Las Vegas, Nevada
- Malta Poznan Entertainment Centre - Poznan, Poland

Responsibilities

- Consultancy administration, management & reporting
- Proposal development and communications
- Lead conceptual design & presentations
- Choreography project director
- Applications test project director
- Project management and start-up supervision
- Instructor / advisor for water feature education programs

Hanna Koh

Associate



LOCATION

Toronto, Canada

QUALIFICATIONS

Bachelor of Architectural Studies Degree with High Distinction (BAS)

NATIONALITY

Canadian

SKILLS SUMMARY

- 5+ Years of experience
- 5 years with CRYSTAL

Short Biography

Hanna Koh is a Designer at Crystal Fountains, specializing in commercial water feature design and communicating water feature concepts in visual language. Hanna has a background in Architectural Design, focusing on exploring commercial and institutional spaces to create better spatial efficiency and experience for its users. Hanna is proficient with 3D design tools (Sketchup, WATERlab, Rhino, Revit) and conveying the ideas using 2D software (Adobe Creative Suites, AutoCAD).

Project Experience

- The District , Abu Dhabi, UAE / 2014 - Present
- Expo 2020, Dubai, UAE / 2016 - Present
- Indianapolis City-County Building - Indianapolis, IN, USA / 2015
- Shops in Summerlin, Summerlin - Nevada, USA / 2014
- Brentwood Town Centre - Burnaby, British Columbia, Canada
- Regal Princess Cruise Ship / 2014
- Travelodge Hotel and Conference Center - Regina, SK, Canada / 2014

Responsibilities

- Assisting in the creation and further development of the Lead Designers 'Vision' (water feature concept) into reality through, sketches, illustration, schematic design packages, presentation materials, communication packages and detail drawings
- Provide Detail design assistance throughout the Design Development Phase
- Assist in the enhancing of the 'Crystal Fountains' branding by creating, developing, managing, all project related visual assets
- Assist in increase the overall quality and efficiency of Creative Department
- Monthly update on proliferation of visual library

Firm Experience



Projects

Clay Center Sculpture Plaza



E.L. Robinson developed pavement layout and grading plan for the area around the new Albert Paley sculpture titled "Hallelujah"

The entrance of the Clay Center was transformed by this unique, abstract sculpture installed in the front plaza circle. The elements of the plaza included concrete steps, cast in place concrete pavement, pavers and landscaping.



CLIENT:

The Clay Center for the Arts and Sciences of West Virginia

Judy Wellington, Ph.D.
One Clay Square
Charleston, WV 25301
Phone: 304.561.3513
E-Mail: jwellington@theclaycenter.org

COMPLETION DATE:

2009

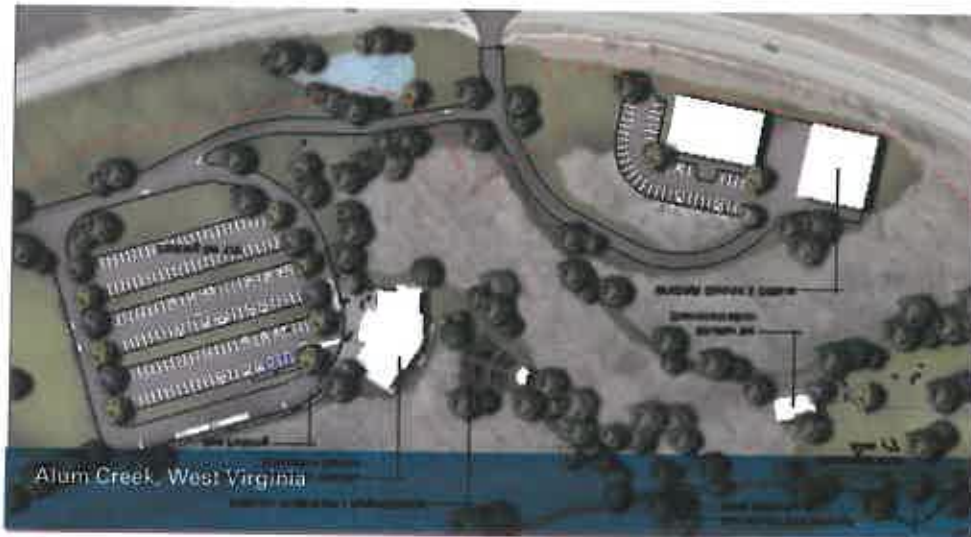
PROJECT COST:

\$40,000

OUR ROLE:

Construction documents, landscape and hardscape design for plaza around sculpture.

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



CLIENT:
West Virginia Division of Natural Resources

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

In 2015, WVDNR retained the team of E.L. Robinson Engineering and ZMM Architects to prepare construction documents for the Forks of Coal Natural Area and the Wildlife Education Center.

This site related elements ELR will design are:

- Access road off US 119 and car and bus parking area for the Claudia L. Workman Wildlife Education Center
- Site development for the Education Center including entry courtyard and outdoor classroom/amphitheater
- Entry sign
- Trailhead parking
- Waterline extension from the Lincoln County PSD and an onsite sewage treatment facility for the education center
- Landscape plans for the center
- Other pedestrian linkages



Projects

Stonewall Jackson Resort State Park Pedestrian Bridge



CLIENT:
West Virginia Division of Natural Resources

COMPLETION DATE:
2011

PROJECT COST:
\$400,000

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

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 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.



Stonewall Jackson Lake Resort



CLIENT:
McCabe - Henley Properties for
West Virginia State Parks

Mr. Rudy Henley
West Virginia Commercial
LLC 305 Washington St. West
Charleston, WV 25302
Phone: 304.347.7500

COMPLETION DATE:
2003

PROJECT COST:
\$35 Million

OUR ROLE:
Master Planning, Site
Construction Design, Permit
Coordination.

Stonewall Jackson Lake State Park represents a new beginning for state supported recreation development in West Virginia. The 35 million dollar

Resort planned by E.L. Robinson's landscape architects as part of the developer's team, was the first public/private partnership formed in the state for the development of facilities at a state park. The developer was responsible for coordinating all design and construction activity, while the state assisted in the financing package.

ELR landscape architects were responsible for master planning and site construction design for the 2,000 acre resort, including a 180-room lodge, an 18-hole signature golf course by Palmer Course Design Co., a 100-unit campground, cabins, day use improvements, a swimming pool, trails, access and parking. The firm was also responsible for permit coordination with the various state and federal agencies for wetlands, riparian corridors, utilities, stormwater and erosion controls. An extensive tree preservation and relocation program was planned and was coordinated by the firm.

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



Projects

Braxton County WVDOH ADA Design-Build



ELR and McClanahan Construction prepared construction plans, permits, DD-811 exception forms, and as-built record drawings for 58 curb ramps located in Burnsville and Sutton, in Braxton County, WV. ELR worked closely with McClanahan Construction, the WVDOH District 7 Engineer's Office, and WVDOH ADA Coordinator Raymond C. Patrick, to develop plans to construct 58 curb ramps and sidewalks in accordance with the Proposed Accessibility Guidelines for Pedestrian Facilities in the Public Right of Way (PROWAG), and DOH Design Directives (DD) 811 and 813. E.L.R.'s staff utilized a two-phase approach to the design process, Phase 1 identifying standard curb ramp locations and types, for early review/approval efforts. Phase 2 identified non-standard curb ramps requiring surveying or additional detail beyond the typical WVDOH curb ramp and accessibility details. The project was completed four months ahead of the April 26, 2019 completion date by four months, including all DD-811 exception forms and as-built drawings, with zero change orders.

CLIENT:

WVDOH District 7

CONTACT INFO:

Mr. Douglas S. Gould, PE
District 7 Design Engineer
131 Highland Drive
Weston, WV 26452

COMPLETION DATE:

2018

PROJECT COST:

\$471,762 (design and construction)

OUR ROLE:

Engineering design and landscape architecture services, construction plans, permitting, DD-811 exception form preparation, punch list preparation, inspections, as-built record drawing completion.



Williamson City Hall Exterior Updates



CLIENT:
City of Williamson

COMPLETION DATE:
May 2012

PROJECT COST:
\$56,918

OUR ROLE:
Design accessible walkways and ramps for three entries to City Hall.

ELR was contracted to provide the exterior updates to the Williamson City Hall allowing it to become ADA compliant. By providing the three main entrances to the building with handicap accessible ramps, repairing several sections of sidewalk and developing adequate handicap parking for the structure the city hall will then meet ADA standard.

The improvements to the three main entrances provide an open 3' handicap ramp along with the adequate 5' wide platform at the top of each ramp. A railing is provided on each side for safety and follows the guidelines set by the Department of Justice.

New sections on sidewalk are to be replaced fixing issues such as cracking and weathered deterioration that has taken place over time. Also this will correct any uneven pavement and provide the correct 2% cross slope for proper rain water drainage.

Also three handicap parking spaces will be added to the current lot along with the appropriate curb ramps to provide easy access to the sidewalk. The parking lot is currently an uneven pavement of brick that will be corrected with asphalt to allow for an even surface.



Projects

Mt. Hope Streetscape Phase 3 & 4



CLIENT:
City of Mount Hope

Michael Kessinger
P.O. Box 151
Mount Hope, WV 25880
Phone: 304.877.3100

COMPLETION DATE:
March 2011- Phase 3
December 2014- Phase 4

PROJECT COST:
\$220,115- Phase 3
\$207,340- Phase 4

OUR ROLE:
Continuation of design services for sidewalk replacement, new street lights, wall repairs and metal railing along 4 blocks.

E.L. Robinson was retained to develop the third phase of the sidewalk and curb replacement along with installation of new period street lighting established on the previous streetscape phases for Main Street. Accessibility for all citizens were improved and site furniture and a small plaza were designed at the clock next to old bank building near City Hall.

The project entails nearly 700 feet more of improvements adding to the 1100 feet already completed.

In 2014, Phase 4 of Mt. Hope Streetscape was completed with the replacement and addition of 600 feet of sidewalk on Main Street plus 9 new street lights and street furniture.



Stratton Street Sidewalks



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:
2016

PROJECT COST:
\$367,410 est

OUR ROLE:
Topographic Survey, Structural Engineering, Site design, material selection, construction documents, bidding, and construction observation

ELR prepared design documents for sidewalk replacement on both sides of the street along Stratton Street from Dingess Street to Washington Street. ELR prepared sidewalk design based on the prior streetscape construction previously completed for the WVDHHR Building at Cole Street utilizing the same brick pavement section with the concrete sidewalk for the new project area.

The design will also improve the curbing through the project area to attain a 3" minimum to 6" maximum curb height where possible; place PVC conduit for future street lighting where appropriate; identified the underground spaces in the sidewalk and design for new sidewalk construction at those locations; and upgraded the crosswalks to meet current DOH standards.



Projects

Lincoln County Trails to the Future Feasibility Study



CLIENT:

Lincoln County Economic
Development Authority

COMPLETION DATE:

January 15, 2019

PROJECT COST:

\$9,000

OUR ROLE:

Field Inventory
Due Diligence
Stakeholder Meetings
GIS Mapping
Plan Preparation
Grant Funding Assistance

The Lincoln County Trails to the Future plan was developed as an opportunity to showcase and expand the recreational trails opportunities of Lincoln County by providing a platform for new trails to be developed, while leveraging the existing trails, parks and recreational amenities, and proximity to potential trail users and the visitors within and outside the County. The Plan is a flexible view of trail development to facilitate private property agreements to construct trails on private lands to maximize trail development; Accommodate road bikers with the vast network of low average daily use secondary roadway network by promoting the improved trail loops; Create themed trails such as "hunting trails" to build upon existing hunting and fishing-based tourism in the County; and to explore rails-to-trails conversion opportunities along former and current CSX railroads within the County.



Ceredo and Kenova Sidewalks



CLIENT:

Cities of Ceredo & Kenova

COMPLETION DATE:

March 2012

PROJECT COST:

\$250,000

OUR ROLE:

Add sidewalks or upgrade along Bike Path in Ceredo.

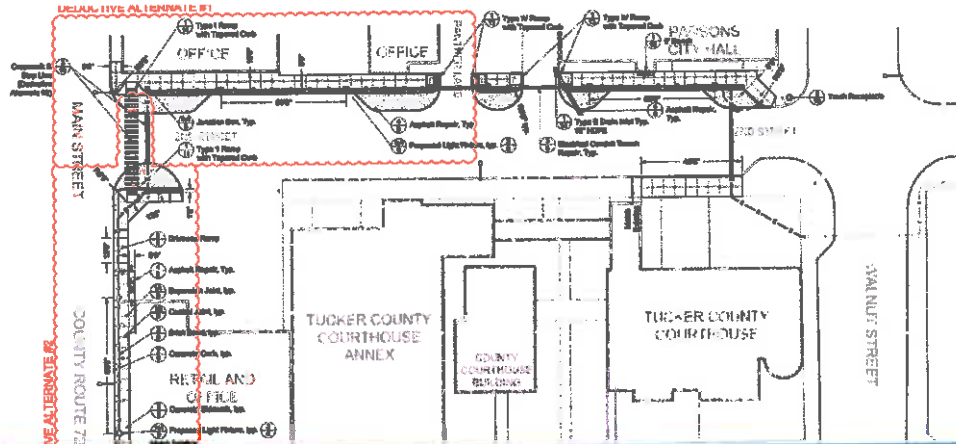
EL Robinson (ELR) assisted the co-sponsors of the Wayne County Bike Path, City of Kenova, Town of Ceredo, and Wayne County Commission, with design and construction administration for the second phase of the Bike Path Project which entailed sidewalk enhancements along the Path's route to improve pedestrian use of the Path.

Also the development of interpretive panels along the route for telling the cities' history was part of ELR's design scope. Total project costs were approximately \$250,000.



Projects

Parsons Main and Second Street Enhancements



Parsons, West Virginia

CLIENT:

West Virginia 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

City of Parsons, West Virginia

COMPLETION DATE:

December 2015

PROJECT COST:

\$232,345 est

OUR ROLE:

PS&E approved by DOH. Bidding by City with July 29, 2015 bid opening. ELR will provide construction administration.

E.L. Robinson has been selected, by the West Virginia Department of Transportation, as one of seven firms to perform new non-traditional streetscape projects.

ELR was selected by the City of Parsons from this short list of firms to perform the planning and design services required for this project. We completed the design for the second phase of work for downtown Parsons surrounding the Tucker County Courthouse. Utilizing the current design of the first phase of work we completed a cohesive design for the streetscape including a brick inlay, streetlights, furniture and widening of primary city streets.

Construction to be completed in 2015.



Existing Streetscape



Before Construction

Discovery Junction Community Park



CLIENT:
 Town of Marlinton

Mr. Sam Felton, Jr., Mayor
 Town of Marlinton
 709 Second Avenue
 Marlinton, WV 24954

COMPLETION DATE:
 Fall 2019 (Projected)

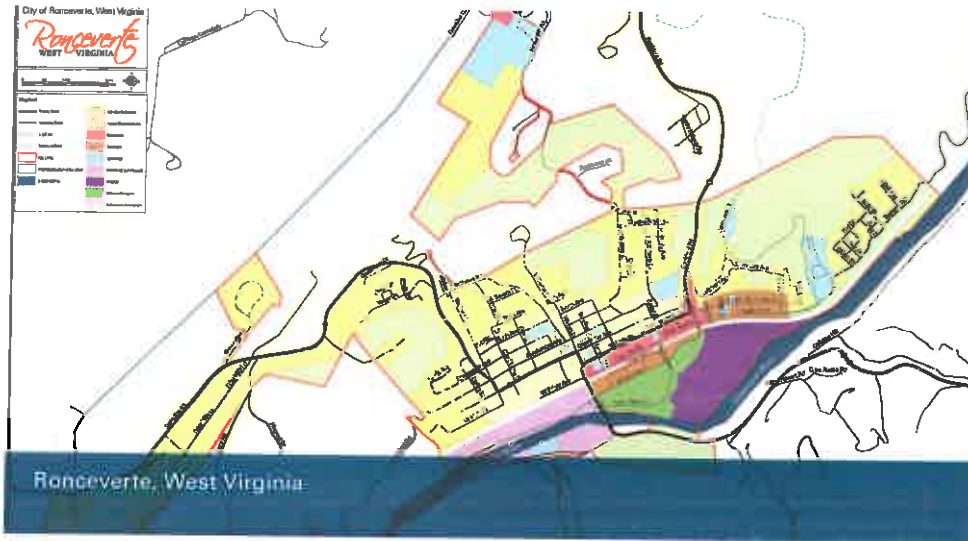
PROJECT COST:
 \$230,000

OUR ROLE:
 Surveying, engineering design and landscape architecture services, construction plans, environmental permitting and bid documents.

A new park is set to literally **SPRING** up along the scenic Greenbrier River in beautiful Pocahontas County, West Virginia: **Discovery Junction Community Park**. Working with the Town of Marlinton's Park Steering Committee, E.L. Robinson's landscape architects developed plans for the 0.33-acre park on a vacant lot in the center of downtown Marlinton. Strategically located immediately beside the historic Pocahontas Opera House (c. 1910), on the Appalachian Waters Scenic Byway, and within walking distance to the Greenbrier River Rail-Trail, the new park will feature an exposed timber-frame outdoor stage and farmer's market walk, and a spray park that will feature an animated black bear scaling a large tree, with water cascading down from the tree dripline. The stage will be outfitted to allow for weekend outdoor concerts and plays, as well as doubling as a farmer's market for local agriculturalists to market locally-grown produce. The stage will be constructed of locally harvested timber and veneered with stone quarried from local sources. The park will also utilize environmentally friendly, green materials such as park benches made from recycled plastics, enviro-pavers, bio-retention rain gardens and pollinator gardens with native and naturalized plant materials.



Ronceverte Comprehensive Plan



CLIENT:
City of Ronceverte

Ms. Reba Mohler, City
Administrator
City of Ronceverte
P.O. Box 417
Ronceverte, WV 24970

COMPLETION DATE:
2014

PROJECT COST:
\$10,000

OUR ROLE:
Base mapping, site analysis, land
use planning, and public meetings

ELR assisted the planning team to develop the first comprehensive plan for the City and prepared the required maps and graphics for the topics listed below.

- Existing land use
- Existing land constraints (slopes, floodplain and other relative constraints
- Future land use
- Potential development areas considering vacant land and/or parcels, brownfields, and other properties with limited constraints
- Future growth areas (annexation possibilities)
- Greenway/trails/open space

Projects

Davis Riverfront Park



CLIENT:
Davis Park Commission

E.L. Robinson's landscape architects were commissioned by the City of Davis to develop a master plan and report for upgrades to the Davis Riverfront Park, which is a five acre open space on the north shore of the Blackwater River extending from the bridge on WV route 32.

Wetlands are existent on a portion of the property, as well as concrete footings and pavements from the timber mill that preciously occupied the site during the late 1800's and early 1900's. At the time public access to the river was from WV route 32.

The Davis Park and Recreation Commission program recommendations for the park master plan were as follows:

- Create the park for foot traffic only with minimal vehicular intrusion for maintenance purposes only
- Further development of the herb garden and pond
- Interpret the industrial heritage of the site and the natural areas, i.e. wetlands
- Create improved access points to the park
- Develop a trail system for use by the town's populace for improved walking opportunities to maintain a healthy lifestyle
- Fishing opportunities along the Blackwater River
- Possible stage and/or amphitheater
- Picnic shelters



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

With the information gathered, ELR prepared a master plan for 17 lots with each sized approximately 1/3 acre. This plan graphic will be used to gauge interest in proceeding with subdividing the property.

Clay Center Plaza and Fountain



CLIENT:
The Clay Center for the Arts and
Sciences of West Virginia

Judy Wellington, Ph.D.
One Clay Square
Charleston, WV 25301
Phone: 304.561.3513
E-Mail: [jwellington@
theclaycenter.org](mailto:jwellington@theclaycenter.org)

E.L. Robinson's landscape architects 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 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 Honey locust trees were planted to create a shaded canopy for the space in front of the center.

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



Projects

Water Ways Park and Miniature Golf Course



CLIENT:
Boone County Parks and Recreation

The Boone County Parks and Recreation Commission retained the services of E.L. Robinson Engineering Co. to assist in the evaluation of property owned by the Commission, and to further assist in the design of a water park and miniature golf course near Julian, West Virginia.

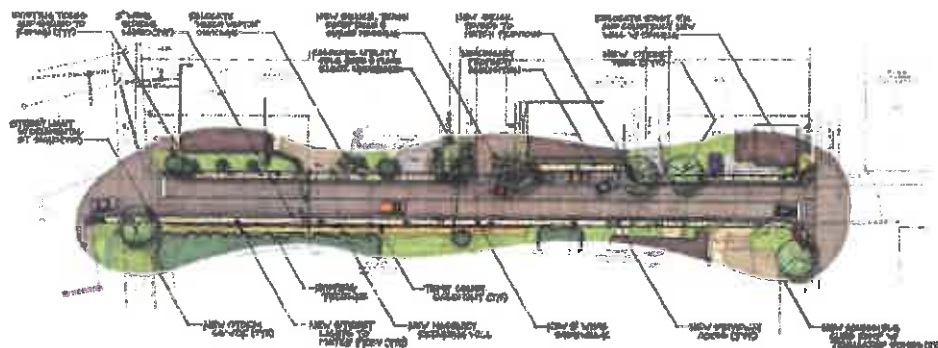
The site design included layout, grading and detail design for the 18-hole miniature golf and accommodations for large water mains and a storm sewer that was new to the park. Entry road, parking, pool deck and drainage were all closely coordinated with the Architect's plans for the aquatic facility so that all parts were complementary. Due to the high water table, a duplex submersible pumping station was employed to service the pool underdrain system as well as the pool drain.

The new center includes a children's pool area, a competitive lap pool, water slides, water play features and a lazy river water element. A new bathhouse, administration and mechanical building were conceived with a consistent architectural message. The new parking lot was designed to closely match existing grades, so that many existing trees could be saved. The site design had to consider the adjacent Little Coal River and its frequent flooding. In addition on-site soils were very poor and the water table very high.



Water Ways

Star City Phase II Streetscape and Trailhead



CLIENT:
City of Star City

COMPLETION DATE:
November 2006

PROJECT COST:
\$484,266

OUR ROLE:
Sidewalk replacement, new concrete and brick pavements, street lights and storm drainage improvements on several city streets.

Star City, West Virginia

With the vision of becoming the regional hub of activity for bicycle enthusiasts in northern WV, the Town of Star City set out to improve accommodations for bicyclists and hikers/walkers along the Monongahela River. Phase I included access to the riverside park and rail-trails, and the beautification and improvements of the streets along University Avenue and Frontier Street. As Phase I was completed, the Town began to plan for Phase II. E.L. Robinson Engineering Co. (ELR) was selected by the Town of Star City to complete the first phases of construction, and design the new Phase II streetscape improvements to the streets near the river and trails.

Three city blocks of improvements were designed by ELR, and the project is currently in the bidding phase. ELR will carry the project through construction and final inspection and acceptance. Some of the amenities included in this phase of improvements are period light fixtures resembling antique gas lights, wrought iron street benches and matching trash receptacles, sidewalks with ADA compliant accessible curb ramps, specialty paver bumpout areas to serve as pedestrian congregation areas, decorative wrought iron street sign hangers custom fabricated in West Virginia, parking areas, street trees with treewells, extensive landscaping, curb and gutter, utility pole relocation and elimination, and finally, storm drainage improvements.



Projects

Logan County Courthouse ADA Upgrades



Logan, West Virginia

CLIENT:

Logan County Commission

Mr. Rocky Adkins, County Administrator
Logan County Commission
300 Stratton Street
Logan, WV 25601
radkins@lccwv.us
304.792.8626

OUR ROLE:

Concept planning, surveying and base mapping, detailed design, bidding and construction administration.

Logan County Courthouse Handicap Access Ramp

The Logan County Courthouse in Logan West Virginia did not provide ADA compliant accessibility to handicap persons. E.L. Robinson worked with the Logan County Commission to develop plans and specifications for a wheel chair ramp on the Stratton Street side of the courthouse. E.L. Robinson assisted the Logan County Commission in obtaining bids from contractors and provided inspection oversight during construction.

Logan County Commission Building Elevator

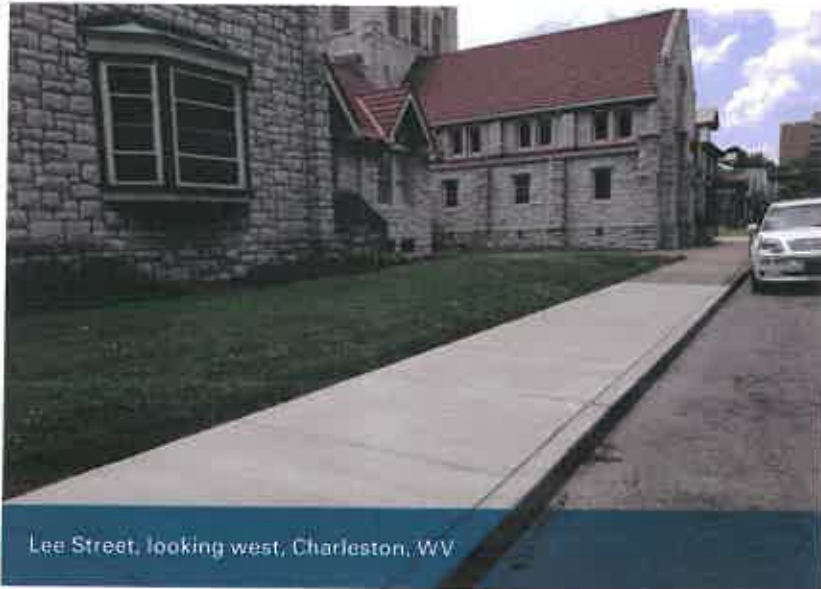
The Logan County Commission purchased an existing two story building in downtown Logan. In order to make the second floor handicap accessible, the Logan County Commission needed an elevator installed in the building. E.L. Robinson Engineering performed laser survey of the existing building and designed an elevator and elevator shaft to provide access to the second level. The plans and specifications were used to solicit bids from elevator companies. Logan County maintenance personnel constructed the elevator shaft as designed by E.L. Robinson. The elevator system was completed in 2013.

Logan County Courthouse Restroom Accessibility

The Logan County Courthouse did not have any handicap accessible restrooms. The county commission worked with ELR concerning the ADA compliance issues. E.L. Robinson made site visits and prepared plans of the existing facilities and developed a plan to convert one ground floor restroom to an ADA compliant restroom. E.L. Robinson prepared plans and specifications for the modifications. The Logan County Commission's maintenance personnel made the modifications and conversions to the restroom. The restroom currently serves the handicap visitors to the courthouse. Signage throughout the courthouse is used to alert handicap persons of the location of the ADA restroom on the first floor.



Charleston's East End Kids Walk & Bike Project and Safe Routes to Piedmont Elementary Project



CLIENT:
City of Charleston

Mr. Chris Knox, PE
City Engineer
114 Dickinson Street
Charleston, WV 25301

PROJECT COST:
\$520,276

OUR ROLE:
Surveying, engineering design and landscape architecture services, construction plans, environmental permitting, bid documents and construction administration.

E.L. Robinson Engineering's (ELR) team of engineers and landscape architects prepared construction plans for nearly 2,000 lineal feet of new sidewalks along Lee Street on the East End of Charleston, WV. The project was two (2) combined WVDOH Transportation Alternatives funded projects, with the goal of improving pedestrian and bicycle accessibility from the residential sections of the historic East End, to Piedmont Elementary School. Starting near Beaugard Street and travelling eastward along Lee Street East and ending at Elizabeth Street at the Kanawha County Board of Education, improvements included new sidewalks, concrete curbs, ADA-accessible curb ramps, crosswalks at critical intersections, and minor stormwater improvements.



Projects

Tamarack



E.L. Robinson's landscape architects were retained by the architect to provide planning and site development documents for this innovative folk art center to be located near Beckley, West Virginia. While showcasing the native Appalachian culture, the \$15 million dollar art center is designed for artisans of the region to display and sell their wares. To assist in creating an atmosphere for shopping, site seeing and relaxing, ELR's landscape architects designed courtyards, plazas, outdoor dining areas and pedestrian walkways within an extensive naturalized landscape created to reflect the context of West Virginia's beautiful natural landscape.

ELR's landscape architects were also responsible for the design of the access road, arrival zone and parking for 500+ cars, tour buses and delivery vehicles, plus all the site utilities, earthwork and storm drainage.

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

CLIENT:

Clint Bryan and Associates

C/O Bastian & Harris, Architects
300 Summers Street, Suite 1200
Charleston, WV 25301
304.342.2151

COMPLETION DATE:

1996

PROJECT COST:

\$16.2 Million

OUR ROLE:

Concept design, detailed design, construction plans and technical specifications.



WVDOH Lewis County ADA Design-Build



Lewis County, West Virginia

ELR and McClanahan Construction prepared construction plans, permits, DD-811 exception forms, and as-built record drawings for 160 curb ramps located in Jane Lew and Weston, in Lewis County, WV. The project was a design-build joint venture to bring into Americans with Disabilities Act (ADA) compliance sidewalks in 160 different locations along U.S. Routes 33 and 19 in Weston, and U.S. Route 19 and County Route 7 in Jane Lew. ELR worked closely with McClanahan Construction, the WVDOH District 7 Engineer's Office, and WVDOT ADA Coordinator Raymond C. Patrick to develop plans to construct the 160 curb ramps and sidewalks in accordance with the Proposed Accessibility Guidelines for Pedestrian Facilities in the Public Right of Way (PROWAG), and DOH Design Directives (DD) 811 and 813. ELR's staff utilized a two-phase approach to the design process, Phase 1 identifying standard curb ramp locations and types, for early review/approval efforts. Phase 2 identified non-standard curb ramps requiring surveying or additional detail beyond the typical WVDOH curb ramp and accessibility details. Construction was completed by the April 26, 2019 deadline, with only one change order (client added a Type B drain inlet and storm pipe).

CLIENT:
 WVDOH District 7

Mr. Douglas S. Gould, PE
 District 7 Design Engineer
 131 Highland Drive Weston, WV
 26452

COMPLETION DATE:
 2019

PROJECT COST:
 \$1,247,000 (design and
 construction)

OUR ROLE:
 Engineering design and landscape
 architecture services, construction
 plans, permitting, DD-811 exception
 form preparation, punch list
 preparation, inspections, as-built
 record drawing completion.



Curb ramp near historic Lunatic Asylum, Weston, WV



Type 3 curb ramp in Weston, WV

Projects

Montgomery Amtrak Train Station Improvements



CLIENT:

The Honorable Greg Ingram,
Mayor
706 Third Avenue
Montgomery, WV 25136
304.442.5181

COMPLETION DATE:

2003

PROJECT COST:

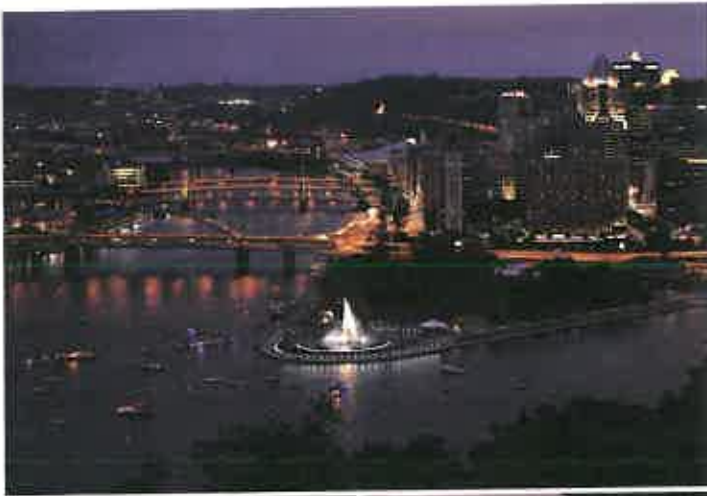
\$110,000

OUR ROLE:

Field surveying and mapping,
concept planning, detailed
design, bidding, construction
administration and inspection
services.

E.L. Robinson Engineering Co. was retained by the City of Montgomery to provide urban planning and civil engineering services for the renovation of the existing Montgomery Amtrak Train Station. ELR provided layout, grading, drainage, structural and detailed design to rehabilitate this aging station. The project was also coupled with the need for a new KRT Bus Stop and plans for future streetscapes within the City Limits. The finished product provides a safe, attractive and accessible area for travelers via bus or train





POINT STATE PARK PITTSBURGH - USA

A true "river town", Pittsburgh, Pennsylvania is situated at a unique convergence of waters unlike any other in the world. The Allegheny, Monongahela and Ohio rivers that meet in downtown Pittsburgh are part of a vast watershed and make up close to 40 miles of river shoreline within the city limits. Historically, its shorelines were important, helping build the city's heavy industrial base. However, over the years, this reliance has also contributed negatively to its waters and wildlife.

In 1999, a group of Pittsburgh community leaders, business owners, environmentalists and urban planners created the "Riverlife Task Force", a group intent on overseeing the development of the "Three Rivers Park" system into a world-class waterfront of interconnected riverfront parks, trails, amenities and commercial destinations. Their mission: reclaim, restore, and promote Pittsburgh's river fronts. Three Rivers Park now connects residents and visitors to new stadiums, museums, restaurants, housing, businesses, and parks with pedestrian walkways and bike trails.

PALACE OF VERSAILLES VERSAILLES - FRANCE

The Gardens of Versailles, part of the globally renowned Palace Of Versailles, are in the midst of an extensive renovation intended to transform the Garden's lighting and create an atmosphere designed to emulate the lavish parties once held there by King Louis XIV in the 1600's. Scheduled to take place over the next three years, the external lighting of the gardens will be artistically and technically enhanced by French lighting designer Les Eclairagistes Associates (LEA) to bring the sculptures, statues, and fountains to life like never before.

Considered the crown jewels of the Gardens of Versailles, the seven main fountains are the focal point of the renovation's first stage. Working in conjunction with LEA, Crystal provided its modern RGBW LED lighting to update each of the 400 year old fountains. Traditionally, each fountain was lit by external spot lighting. Now, the new submersible light allows for more complete illumination of the sculptures within each fountain. Nowhere is this improvement more apparent than the famous Fountain of Apollo, a tribute to the Greek god that depicts him emerging from the waters to announce the rising sun.



WASHINGTON HARBOUR GEORGETOWN - USA

Georgetown's Washington Harbour near Washington D.C is a historic neighborhood, known as a commercial and entertainment district. MRP Realty recently undertook an estimated \$30 million revitalization project at this landmark destination.

The location has expansive views to the Potomac River and includes office, condo and retail space with extensive amenities, including a new spectacular 7,000-square-foot central fountain located along the lower plaza. This automated musical show water feature design contains the main pool, existing tower, an overflow pool as well as a variety of Crystal products: 41 custom ChoreoSwitch® Aerator devices, 3 Central Burst jets and 42 LED sequencing lights. To extend use into the colder months, the water feature pool has also been designed to convert to a large outdoor ice skating rink between November and March.

SMALE RIVERFRONT CINCINNATI - USA

Occupying 45 acres of land along the Ohio River, the new Smale Riverfront Park in Cincinnati was designed to connect the city to the river and become a destination landmark. Crystal supplied a variety of custom LED lights for the Grand Stairway Fountain and over 40 of the popular ChoreoSwitch nozzles for the dry deck interactive fountain in the adjacent plaza.

- The dramatic granite Grand Stairway Fountain has a series of waterfalls that tumble into pools along the main thoroughfare. Encouraging public use, the stairway also comes equipped with a bike "runnel" allowing accessibility for cyclists.
- Delicate water curtains drop from glass balconies above allowing visitors to walk behind the water curtains and explore.
- The adjoining plaza is filled with interactive water jets encouraging public interaction.

Crystal's products were customized to suit the needs of fountain design and site conditions.

References

Business References



David Marshall, AIA

PDM Associates
1339 Smith Street
Charleston, WV 25301
304-343-5310

Sam Felton, Jr., Mayor

Town of Marlinton
709 2nd Avenue
Marlinton, WV 24954
304-799-4315

Mark Scoular, Project Manager

WVDOT-DOH Planning & Research Division
Building 5, Room 740
1900 Kanawha Boulevard, East
Charleston, WV 25305
304-558-9616

Doug Gould, PE, Design Engineer

WVDOH District 7
131 Highland Drive
Weston, WV
304-269-8915

Jason Fauber, PE

WVDOT-DOH, Planning Division
1900 Kanawha Blvd, East
Building 5, room 740
Charleston, WV 25305
304-558-9653

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





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: 614853

Doc Description: WV Capitol Complex Hardscape Repairs Project

Proc Type: Central Contract - Fixed Amt

Date Issued	Solicitation Closes	Solicitation No	Version
2019-08-19	2019-09-09 13:30:00	CEOI 0211 GSD2000000002	1

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:

EL Robinson Engineering
 2019 Washington Street, East
 Charleston, WV 25305
 304.841.2114

FOR INFORMATION CONTACT THE BUYER

Melissa Pettrey
 (304) 558-0094
 melissa.k.pettrey@wv.gov

Signature X

FEIN # 55-0594633

DATE September 13, 2019

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.

Todd Schoolcraft, Project Manager

(Name, Title)

Todd Schoolcraft, PLA, Project Manager

(Printed Name and Title)

5088 Washington Street, West | Charleston, WV 25313

(Address)

304.561.8317 / 304.776.6426

(Phone Number) / (Fax Number)

tschoolcraft@elrobinson.com

(email address)

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

EL Robinson Engineering

(Company)

Todd Schoolcraft, Project Manager

(Authorized Signature) (Representative Name, Title)

Todd Schoolcraft, PLA, Project Manager

(Printed Name and Title of Authorized Representative)

September 13, 2019

(Date)

304.561.8317 / 304.776.6426

(Phone Number) (Fax Number)



STATE OF WEST VIRGINIA
Purchasing Division

PURCHASING AFFIDAVIT

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

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

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

DEFINITIONS:

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

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

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

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

WITNESS THE FOLLOWING SIGNATURE:

Vendor's Name: EL Robinson Engineering

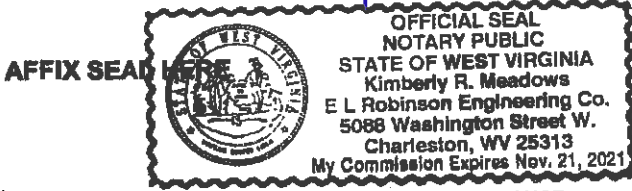
Authorized Signature: [Signature] Date: September 13, 2019

State of West Virginia

County of Kanawha, to-wit:

Taken, subscribed, and sworn to before me this 13 day of September, 2019

My Commission expires 11/21, 2021.



NOTARY PUBLIC [Signature]
Purchasing Affidavit (Revised 01/19/2018)

ADDENDUM ACKNOWLEDGEMENT FORM
SOLICITATION NO.: GSD2000000002

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

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

EL Robinson Engineering

Company



Authorized Signature

13 SEPT. 2019

Date

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



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: 614853

Doc Description: Addendum No. 1 Hardscape Repairs Project

Proc Type: Central Contract - Fixed Amt

Date Issued	Solicitation Closes	Solicitation No	Version
2019-08-30	2019-09-13 13:30:00	CEOI 0211 GSD2000000002	2

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

Vendor Name, Address and Telephone Number:

EL Robinson Engineering
 2019 Washington Street, East
 Charleston, WV 25305
 304.841.2114

FOR INFORMATION CONTACT THE BUYER

Melissa Pettrey
 (304) 558-0094
 melissa.k.pettrey@wv.gov

Signature X



FEIN # 55-0594633

DATE September 13, 2019

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