



STATEMENT OF **QUALIFICATIONS**

2023 AML Contract S2

CEOI 0313 DEP2400000001

West Virginia Department
of Environmental Protection
Abandoned Mine Lands

08/23/23 11:40:47
Purchasing Division

Project contact:

Eric J. Coberly, P.E.

5088 Washington Street, West

Charleston, WV 25313

304.776.7473



E.L. ROBINSON
ENGINEERING

www.elrobinsonengineering.com



5088 Washington Street, West • Charleston, WV 25313 • T: 800.856.6485

elrobinsonengineering.com

August 23, 2023

West Virginia Department of Environmental Protection
Office of AML
c/o Joseph E. Hager III
Department of Administration, Purchasing Division
2019 Washington Street, East
Charleston, WV 25305

Dear Mr. Hager,

E.L. Robinson Engineering (ELR) is pleased to have the opportunity to submit our Statement of Qualifications to provide the West Virginia Department of Environmental Protection AML with design services for the **2023 AML Contract S2 Projects**.

ELR has completed plans and specifications for numerous reclamation projects for WVDEP-AML for over 25 years in addition to several projects with ODNR and Maryland AML. We have included descriptions of our project experience later in this proposal.

The ELR staff has combined experience in the design of more than **284 AML projects**.

The Charleston office has:

- A. Fourteen (14) registered professional engineers (civil or mining), one (1) geologist, three (3) landscape architects, six (6) engineers in training as well as several CADD technicians that may be used on these projects.
- B. ELR Corporate experience in designing one hundred forty (140) abandoned mine land remediation projects. Personal experience on approximately two hundred eighty-four (284) AML projects. This number does not include surveying/mapping/drilling projects.

E.L. Robinson Engineering has grown from 13 employees in 1996 to over 200 employees today. Throughout this growth period, we have continued to meet project deadlines while providing a high quality engineering product. Our office location in Charleston is centrally and conveniently located in respect to the WVDEP offices and the referenced project areas.

We at E.L. Robinson Engineering look forward to serving your agency under this contract. If you have any questions or need clarification, please feel free to contact me at (304) 776-7473.

Sincerely,

A handwritten signature in blue ink, appearing to read 'E. Coberly', is positioned above the typed name.

Eric J. Coberly, P.E.
ELR President & Project Manager
E.L. Robinson Engineering

Proposal for
2023 AML Contract S2 Projects
 West Virginia Department of Environmental Protection



Executive Summary	4
Project Approach	5
Project Team	6
Project Team Resumes	7-17
Capabilities	18
Experience	19-29
CCQQ	Attachment A
Project Experience Matrix	Attachment B
Required Forms	Attachment C



WHO WE ARE.

E.L. Robinson Engineering Co. (ELR) provides a full range of quality engineering services, from planning and analysis to design and implementation. Over the past forty-five years, ELR has grown to be a highly respected firm offering a diverse scope of services.

Founded in 1978 by Edward L. Robinson, a registered Professional Engineer (PE) and a Professional Surveyor (PS), we come from humble beginnings. The company began as a small surveying firm with four employees and has expanded to locations in six states as a highly-diversified engineering, planning and design and surveying firm with more than 200 employees.

In early 2023, Eric Coberly, PE, was named ELR President when Mr. Robinson retired. Coberly is a 30+ year experienced engineer, specifically in the mining, utility and site/civil sectors.

WE'VE GOT YOU COVERED.

ELR professionals fill **10 offices** within an easy drive to project locations. Staff are readily available for phone and email correspondence, video calls, and in-person meetings.

WHAT WE ARE.

200+
employees



100%
employee
owned

50+
licensed PEs



WHERE WE ARE.

Office Locations:
Columbus
Cleveland
Little Hocking

OHIO

Office Locations:
Charleston
Chapmanville
Beckley

WEST VIRGINIA

Office Location:
Chantilly

VIRGINIA

KENTUCKY

Office Location:
Ashland

NORTH CAROLINA

Office Location:
Raleigh

Office Location:
Columbia

SOUTH CAROLINA

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FIRMS
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Engineering Co.

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For more than 20 years, E.L. Robinson Engineering (ELR) has been a prime and preferred engineering and surveying consultant to the WV Division of Environmental Protection, Office of Abandoned Mine Lands and Reclamation (WVDEP-AML) program. We have provided this Executive Summary to directly respond to the Expression of Interest and provide ease for the evaluators to score this proposal.

Understanding of Project Requirements

E.L. Robinson Engineering fully understands the requirements for the **2023 AML Contract S2 Projects** and is committed to giving the WVDEP Office of Abandoned Mine Lands and Reclamation the time and attention that is necessary for this project. Professional services may include: civil; structural; geological; surveying and mapping; preparation of all necessary permit applications; construction monitoring and other services that may be required.

Firm's Capacity

E.L. Robinson Engineering approaches all engineering projects with the same attention to detail and fiscal responsibility to ensure the client receives the most cost effective plan, design and operationally functional project possible. Our approach truly makes the WVDEP-AML engineering staff an integral part in the design of the project. We want to make sure that the review staff is comfortable with the design concept before the project is submitted for review. During this process, we evaluate all technical alternatives to determine the most cost effective plan and technically acceptable project for the WVDEP-AML staff.

ELR has nearly 200 professionals on staff including many individuals experienced in mine reclamation. This capacity allows for the development of innovative and alternative methods to address complex issues involved in reclamation projects of this nature. Our QA/QC process also allows for a different perspective to be brought to the project before submission to the client and for review. ELR has the capacity to take this project from conception to completion with a wide variety of experienced professionals with in-house staff for planning, design, permitting, bidding and construction monitoring.

Our company will work diligently to deliver the highest quality, cost effective solution that the WVDEP-AML deserves. We have extensive knowledge in mine reclamation and are currently working with the WVDEP-AML on similar projects. We have an excellent understanding of the requirements for this type of project and a good working relationship with NEPA permitting and regulatory agencies.

WHAT WE'LL DO.

E.L. Robinson is familiar with the various project areas associated with the **2023 AML Contract S2 Projects** and the desired design services for which you are seeking. We understand that the individual projects that encompass this broader project include:

- 1) Drawdy Creek
- 2) Peytona (Bowles) Portals & Drainage
- 3) Toney Fork Portals
- 4) Mitchell Cemetery Complex
- 5) New Butler Drainage
- 6) Lens Creek Refuse Pile
- 7) Lens Creek Left Fork Portals
- 8) Poe Hollow Portals and Drainage
- 9) Route 60 Drainage Phase II
- 10) Cannelton (Miller) Drainage
- 11) Cabot Portals
- 12) Big Ugly (O'Neal) Drainage
- 13) Prenter UMF

Further, ELR understands the scope of services includes the following tasks:

- Perform site and geotechnical investigations
- Design temporary and permanent access or accesses for construction and future maintenance
- Design to stabilize landslides
- Design multiple portal seals and regrades
- Design of highwall reclamation
- Design to repair or replace existing drainage structures/systems
- Design to mitigate AMD drainage, including possible horizontal borings
- Design reclamation of exposed mine spoil and refuse
- Design of drainage conveyances, including drainage channels, underdrains, and/or other controls to safely convey water off-site
- Condition and revegetate all disturbed areas

We are anxious to become an extension of your staff by providing prompt planning, design and construction monitoring services as needed. We interact with the various review and permitting agencies. As you will see from our resumes, we are uniquely diversified to provide the quality engineering services for which you seek.

E.L. Robinson will work closely with the WVDEP-AML and all regulatory and permitting agencies to complete this project. We feel that our extensive knowledge and experience in the planning and design of similar projects are significant assets in developing a cost-effective solution to your reclamation project.



**2023 AML
CONTRACT S2
PROJECTS**

**PRESIDENT &
PROJECT MANAGER**

Eric Coberly, P.E.



QA/QC

Tim Cart, PE
ENGINEER

ENGINEERS

Tim Cart, PE
PROJECT ENGINEER

J.D. Kinder, PE
PROJECT ENGINEER

Shawn Kelly, PE
PROJECT ENGINEER

Kenneth Kinder, PE, CFM
PROJECT ENGINEER

GEOLOGIST

Jeremy Martin, EIT
SENIOR GEOLOGIST
& DRILLING MANAGER

DESIGNERS

Brandon Asbury, PE
PROJECT ENGINEER

Todd Garnes
PROJECT DESIGNER

Shawn Fore
PROJECT DESIGNER

INSPECTION

Heather Woods-Shaffer
INSPECTION MANAGER

SURVEYING

Tom Rayburn, PS
SURVEY MANAGER

ERIC COBERLY, PE

ELR President

Professional overview

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

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

Relevant experience

Wastewater:

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

Water:

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

Economic Development:

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



Education

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

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

Registrations

Registered Professional
Engineer in West Virginia,
Ohio, and Maryland

Years experience

39

SHAWN KELLY, PE

Project Engineer

Professional overview

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

Professional experience

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



Education

Bachelor of Science,
Civil Engineering
West Virginia University
2001

Registrations

Professional Engineer
West Virginia
Virginia
Kentucky
Maryland
North Carolina
South Carolina

Years experience

20+

TIM CART, PE, PS

Project Manager

Professional overview

Mr. Cart has more than 40 years of experience in providing consulting engineering services. Clients served have included industrial, public and private institutions along with state and federal agencies. He has served as Project Engineer on numerous geotechnical investigations including highways, bridges, industrial sites, buildings and site development projects.

Mr. Cart has served as project manager, project engineer and lead geotechnical investigator on numerous geotechnical projects including highways, bridges, industrial sites, buildings and various developments.

Mr. Cart has designed numerous retaining structures and grading plans to reduce the likelihood of future landslide movement. He has also designed retaining walls including reinforced concrete cantilever walls, mechanically stabilized earth (MSE) walls, sheet pile walls, H-pile and lagging walls. Several of these designs included the use of rock anchors and tiebacks.

Geotechnical reports for highway projects included recommendations for rock cut slopes and fill slopes, as well as types of foundation systems for structures and recommended bearing capacities for deep and shallow foundations. Mr. Cart has made design recommendation for fill construction which focused on fill settlement and recommended methods to accelerate consolidation settlements so that the settlement would occur during the construction activities.

Mr. Cart has served as project engineer on several hundred AML projects for the WVDEP and USOSMRE. These projects include regrading major refuse piles into stable configurations, draining mine portals, stabilization of areas affected by mine subsidence, evaluation of areas for possible effects on structures due to mine subsidence, and the developing of plans and specifications to address landslides which have resulted from mining related activities.

Mr. Cart has also designed numerous bank stabilization projects for river banks throughout the state. These projects incorporated re-grading, rip-rap materials, cantilever and tieback wall designs. He has also performed numerous damage investigations for landslide and blast damage claims for insurance and law firms and has provided testimony in depositions and law suits.

Relevant experience

- WVDOT District 2 FEMA Emergency Landslides (35 Projects)
- WVDOT District 1 FEMA Emergency Landslides (9 Projects)
- Lavalette Widening Project
- I-77 Bridges- Surface Drive Overpass Bridges
- Corridor H - Kerens to Parsons Design Build
- Tappers Creek-Pocatalico Bridges
- Corridor H - Old Fields to Moorefield
- US 35 - Lower Five Mile Creek to Three Mile Creek
- US 35 - WV 34 to Buffalo Bridge Design Build



Education

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

Registrations

Registered Professional Engineer in West Virginia

Registered Professional Surveyor in West Virginia

Years experience

40+

JD KINDER, PE

Project Engineer

Professional overview

Mr. Kinder has experience in many areas of civil engineering including roadway design projects, site development projects, structural design, geotechnical investigations, natural gas projects, retain structure design and performing 2D and 3D slope stability analysis for various roadway fills and bridges. Additionally, Mr. Kinder has experience developing geotechnical reports for highway projects which include the design and recommendations for rock cut slopes and fill slopes, as well as types of foundation systems for structures and recommended bearing capacities for deep and shallow foundations.

Mr. Kinder has designed numerous retaining structures to stabilize or to reduce the likelihood of future landslide movement. He has also designed retaining walls including reinforced concrete cantilever walls, mechanically stabilized earth (MSE) walls, sheet pile walls, H-pile and lagging walls.

Prior to joining E.L. Robinson Engineering, Mr. Kinder gained experience in the manufacturing industry supervising various products. His duties included QA/QC testing, product development, estimating, on site installation assistance, inventory, production scheduling, oversight and site layout and design for more than 140 retaining wall projects throughout West Virginia, Ohio and Kentucky.

Relevant experience

- WVDOT Corridor H Design Build- Kerens to US 219
- WVDOT Corridor H Design Build US 219 WV 72
- WV 10 Operational Improvements
- WVDOT I-70 Mining Project
- Jefferson Road Design Build (Geotechnical) - Kanawha County, WV
- WVDOT Laurel Creek Girder Bridge (Geotechnical) - Mingo County, WV
- WVDOT Arnettsville Arch Bridge (Geotechnical) - Monongalia County, WV
- WVDOT Harmon Creek Bridge (Geotechnical) - Brooke County, WV
- WVDOT Junior W-Beam Bridge (Geotechnical) - Barbour County, WV



Education

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

Registrations

Registered Professional
Engineer in West Virginia

Years experience

14

KENNETH KINDER, PE

Project Engineer

Professional overview

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

Relevant experience

- City of Princeton Rogers Street Drainage Improvements Project – Project Manager
- Birch River PSD Wilson Ridge Waterline Extension Phase 2 – Project Manager
- Birch River PSD Mill Creek Waterline Extension Project – Project Manager
- Bluefield Sanitary Board Midway Sewer Replacement – Project Manager
- Town of Rainelle Water Improvements Project – Project Manager
- Town of Rupert Stormwater Mitigation Project – Project Manager
- Armstrong PSD Deepwater and Powellton Water Improvements Project – Project Manager
- Oakvale Road PSD Christian Fork Sewerline Repair Project – Project Manager
- Harbor Freight Retail Store Site Development – Civil Design Task Manager
- 13 individual WVDOH ADA Design-build Curb Ramp Projects – Project Manager
- Kanawha County, Clendenin, Logan County, and Richwood FEMA HMGP Flood Mitigation Projects – Project Manager
- WV Conservation Agency Elk Twomile Dam Seep Repair – Project Manager
- Kanawha County FEMA Flood Map Update Review – Project Manager
- Buffalo Creek and Gauley Recreational Trail – Flood Damage Assessments – Project Manager
- Nitro City Park Riverbank Restoration and Recreational Trail – Project Manager
- WVDEP LCAP Wheeling Landfill Closure Cap Design – Lead Design Engineer, Civil Task Manager, Assistant Project Manager
- 90 MW Solar Generation Facility in Raleigh County, WV – Stormwater and E&S Design Task Manager and Assistant Project Manager
- 100 MW Solar Generation Facility in Lancaster County, VA – Civil Design Task Manager
- 70 MW Solar Generation Facility in Richmond County, VA – Civil Design Task Manager
- CCR Impoundment Closure Project for 5 impoundments, Prince William County, VA - Civil Design Task Manager and Assistant Project Manager
- CCR Bottom Ash Pond Retrofit Design for 3 impoundments, Armstrong County, PA – Civil Task Manager and Assistant Project Manager
- CCR Bottom Ash Pond Retrofit Design for 4 impoundments, Lycoming County, PA – Civil Task Manager



Education

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

Registrations

Registered Professional
Engineer - WV and VA

Certifications

Certified Floodplain Manager
(CFM)

Years experience

18

JEREMY MARTIN, EIT

Senior Geologist & Drilling Manager

Professional overview

Mr. Martin has experience in consulting engineering services. Working predominantly in the field of geotechnical engineering, he has been involved with major highway projects (state and federal agencies) designing rock cut slopes and fill slopes, as well as foundation recommendations for bridges. Additionally, Mr. Martin has worked on landslide repairs including designing of H-pile and lagging walls as well as site development projects that included drainage, utility relocation, etc.

Mr. Martin has also gained reclamation experience working on several AML projects for WVDEP regarding landslide repair and other slope failures. As a geologist, he has overseen drilling operations for highway projects, developed geologic cross-sections and boring logs, and written geotechnical reports for structures, roadway, and site development projects.

Mr. Martin is skilled in AutoCAD, Civil 3D and other 3D Modeling software. In addition, Mr. Martin has experience in the analysis of slope instability using Geo-studio, rock fall analysis and pile drive-ability programs.

Relevant experience

- Alpha Metallurgical Resources - Hatcher Mine Road - Air Shaft Investigation*
- King Coal Highway Section 1 - Littleburg to Airport Road*
- Bristol Bridge EB & WB Replacement
- Clarksburg Hill AML
- Cheat River Bridge*
- VDOT I-81 MM 48 Northbound Acceleration Lane
- Harbor Freight Site Development – Kenova, WV
- Eastwood Lane Bridge Geotechnical PIE Study
- Lt. Darwin K Kyle Memorial Bridge Replacement
- I-70 Sulphure Road Bridge
- Grant Street Bridge
- City of Huntington Fern Street Landslide
- WVDOH Corridor H Design Build- Kerens to US 219
- WVDOH Corridor H Design Build US 219 WV 72
- WV 10 Operational Improvements
- WVDOH District 2 Spring Valley Drive Landslide Repair
- Jefferson Road Design Build
- Harmon Creek Bridge
- Freedom KIA Emergency Landslide Repair (Morgantown, WV)
- WV Great Barrel Company, LLC
- WVDEP Witcher Creek Landslide
- WVDEP Big Creek Surgoine Landslide
- WVDEP North Matewan (Ross) Landslide
- WVDEP Smithers Landslide
- WVDEP West Milford Landslide
- Logan County PSD – Mill Creek Tank
- American Red Cross Parking Lot Drainage



Education

B.S. Civil and Environmental Engineering, West Virginia University, 2017

B.S. Geology, West Virginia University, 2016

Registrations

Engineering-in-Training Certification in West Virginia

Years experience

6

*Geology-related work

BRANDON ASBURY, PE

Project Engineer

Professional overview

Brandon is a professional engineer with experience in design and permitting for several site development projects in West Virginia. Mr. Asbury has manufactured information pertaining to design and calculated information used for hydrology, site grading and permitting (including NPDES). He has experience in sizing drainage structures such as drainage ditches, ponds, sediment basins, sediment traps, standpipes and outlet pipes. Mr. Asbury has implemented these calculations and information into the permitting phase of the project. He has also assisted in calculating quantities, and construction cost estimates in several projects ranging between 2-200 acre sites.

Relevant experience

- Harbor Freight Retail Store (Kenova, West Virginia) Site Development
- Durbin Stormwater Design (Durbin, West Virginia)
- Rogers Street Drainage Design (Princeton, West Virginia)
- Christian Fork Lake Drainage Design (Princeton, West Virginia)
- RHL Boulevard - NPDES Permitting
- Cheat River Bridge
- BC&G Railroad Rail-Trail Repairs Project
- Raleigh County Memorial Airport Industrial Park Site Preparation Project
- Hatfield McCoy Triadelphia ATV Resort Project
- WVDOH Corridor H Design Build- Kerens to US 219
- WVDOH Corridor H Design Build US 219 WV 72
- WVDOH Spring Valley Landslide
- WVDOH Laurel Creek Slides
- Candy Mountain Road
- Mid-State Properties – Hole Site
- Mid-State Properties – Post Office Site
- Mid-State Properties – Crupperneck Site
- WV Great Barrel Company Project
- Hawks Nest Access Road Landslide
- WVDOH I-70 Mining Project
- WVDOH Jefferson Road Design Build Project
- WV 10 Operational Improvements
- Madison Branch Road
- South Cuba Bridge
- East Fork Bridge
- Mountaintop Beverage Sewer Line Extension Project



Education

B.S. Civil Engineering,
West Virginia Institute of
Technology, 2017

Years experience

5

TODD GARNES

Project Designer

Professional overview

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

Professional experience

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



Education

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

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

Years experience

23

SHAWN FORE

Project Designer

Professional overview

Mr. Fore has two decades of experience as a CAD Designer in numerous areas of civil engineering. His representative experience includes civil site development, water and wastewater line treatment plants, abandoned mine lands reclamation, highway design, bridge inspection, utility location and mapping, hydrographic surveying, land surveying, environmental, wind energy, water sampling, GPS and RTK.

He is adept in AutoCad Civil 3D (Version 2006 thru 2019). Further proficiency includes Autocad Land Desktop, Microstation, Inroads, Autodesk Vault Explorer, Eagle Point, TGO, Pathfinder Office, Hydro-Pro, Microsoft Access, Excel and Word. He provides training/support and workstation configuration, as well as data management of CAD and GIS related material.

Professional experience

- White Sulphur Springs Rt 60 East Wastewater System Replacement
- Burnsville Wastewater Collection System Rehabilitation
- Ashland-Crumpler Wastewater Collection and Treatment System
- Town of Bradshaw Collection System Upgrade
- Town of Bradshaw Pump Stations & WWTP Upgrade
- Village of Woodsfield WWTP Improvements and Dedicated Storm Sewers
- Village of Bowerston Wastewater Collection System Improvements
- Village of Bowerston Wastewater Treatment Plant Improvements
- Green Valley Glenwood PSD Raw Water System Upgrade
- Village of Cadiz South and Center Collection System Improvements
- City of Catlettsburg Wastewater Treatment Plant Upgrade
- Kanawha Falls PSD Wastewater Treatment Plant Improvements
- Kanawha Falls PSD Wastewater Collection System Improvements
- Kanawha Falls PSD Gauley River Waterline Crossing Replacement
- Village of Woodsfield Long Term Control Plan Phase 3
- City of Salem Stormwater Elimination Project
- Logan County PSD Holden Wastewater System Extension and Upgrade
- Logan County PSD Mud Fork Wastewater System Extension and Upgrade
- Excelsa Westmoreland Hospital Secondary Disinfection System
- Buffalo Creek PSD Wastewater System Improvements
- Lincoln County PSD Alum Creek Sewer
- McDowell County PSD Elkhorn Creek Clean Stream and Trout Habitat Initiative



Education

Drafting CADD Certificate (Microstation), Ben Franklin Career and Technical Center, 2000

CADD Certificate (Autocad), Carver Career and Technical Center, 1999

CADD Certificate (Civil 3D)

Years experience

22

TOM RAYBURN, PS

Surveying Manager

Professional overview

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

Professional experience

- WV Rt. 10 (City of Man, Logan County) & Rt. 19 (Mercer Co)
- JF Allen Company, Flatwoods Garvee (Braxton Co)
- WVDOH St. Project S331-79-155 50.00 Blue Horizon Dr. (PA State Line)
- WVDOH Wellsburg Bridge Project
- WVDOH I-81 Widening Project
- WVDOH I-79 Flatwoods
- WVDOH I-70 Mining Project
- Corridor H Kerens to US 219 Connector
- WVDOH I-70 Mining Project
- WVDOH WV Route 10 Operational Improvements
- Mingo County Redevelopment Wood Park WVDOH Access Road ROW Plans
- Logan County Commission Building Elevator and Stairway Project- Logan, WV
- WVDOH WV Route 10 Operational Improvements
- Chief Logan Recreational Center- Logan, WV
- Forks of Coal Site Development
- Logan County Commission /WVANG C130 Camp Branch Landing Zone
- WVDOH Median Improvement Surveys I-64 and I-77
- Surveys for Huntington Tri-State Airport Improvements
- Huntington Federal Building/USACOE Seven Floor Reconstruction Surveys
- WVDOH / Modjesky and Masters New River Parkway Highway Design Surveys
- Moses Auto Group 5.5 Acre ALTA Survey South Charleston, WV
- Gallipolis Ohio Waterfront Survey



Education

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

Registrations

Registered Professional Surveyor in West Virginia, Kentucky, North Carolina

Current Secretary for the West Virginia Board of Professional Surveyors

Member of National Society of Professional Surveyors

Years experience

45

HEATHER WOODS-SHAFFER

Construction Inspection Manager

Professional overview

Mrs. Woods-Shaffer has experience in all phases of construction projects. Mrs. Woods-Shaffer has managed numerous WV highway and bridge projects throughout the state and has extensive knowledge in all aspects of the construction process. For nearly 15 years, she has worked as E.L. Robinson's Construction Inspection Manager/Safety Officer. As the Construction Inspection Manager her duties include the management of all construction inspection operations; estimation, preparation and securing of construction inspection and material testing projects throughout the State of West Virginia; assignment of personnel, preparation of invoices for reimbursement, coordination and communication between field inspectors, designers, contractors and clients; approval of sub contractor and vendor invoices, material and cost tracking; and ensuring that ELR has a core group of inspectors capable of handling all future assignments.

Further, Mrs. Woods-Shaffer serves as ELR's Safety Officer. Her duties include the evaluation and monitoring of safety protocols and guidelines associated with ELR's day to day construction/oil and gas operations; orientation and education of new construction hires regarding ELR's safety policies along with planning and facilitating required annual occupational health and safety training programs for all employees; selecting, ordering and training employees on the appropriate PPE use and care; and conducting accident and incident investigations, along with reporting accident statistics, running OSHA audits and providing corrective action recommendations.

Relevant experience

- WV 2 Proctor to Kent
- Corridor H US 219 to WV 72
- I-70 Mining, Wheeling, WV
- Corridor H Kerens to US 219 Connector
- Junior Bridge, Junior, WV
- Harmon Creek Bridge, Weirton, WV
- Various WVDOH Statewide contracts
- Cottageville T-Beam Bridge, Cottageville, WV
- South Fork Lee Exxon Bridge, Lubeck, WV
- I-77 Bridges: Surface Drive Overpass Bridges, Sissonville, WV
- McQuain Brothers Bridge, Clendenin, WV
- US Route 35 Design Build (CR 34 – Hurricane Creek), Winfield, WV
- US Route 35 Couch to Little Five Mile, Mason, WV
- Big Tyler Widening Project, Cross Lanes, WV
- Corridor D Ballfield relocation, Parkersburg, WV
- Corridor D Soccer field complex, Parkersburg, WV
- Garden Ground Highwall Phase II, Beckley, WV
- Hamlin Public Service District, Hamlin, WV



Certifications

- Radiation Safety Officer (RSO)
- West Virginia Department of Transportation HazMat
- West Virginia Division of Highways Aggregate Sampling Inspector
- WV Transportation Engineering Technician Certification Level III
- OSHA 10-hour Occupational Safety & Health Training Course
- OSHA 30-hour Occupational Safety & Health Training Course in Construction
- First Aid/CPR - Adult/AED/ Blood Borne Pathogens Training
- Safe Gulf/Safe Land USA

Years experience

27

Over the past 45 years, E.L. Robinson Engineering has focused its efforts on delivering quality projects to our clients and building strong relationships based on trust and partnership. We believe building lasting relationships with our clients is key to delivering exceptional service for many years to come.

E.L. Robinson provides WVDEP-AML with the capabilities, expertise and resources of one of the top-notch civil engineering firms in the region. Our offices are staffed with professionals experienced in AML reclamation mapping, permitting, design and construction monitoring. Further, we are very familiar with the requirements of the permitting and regulatory agencies which expedites the completion of projects.

As part of our commitment to quality, E.L. Robinson realizes that every project, client and location is very different. As a result, we look at each project independently to determine the most feasible and functional solution. Specifically, we look at ways we can maximize the project benefit and minimize the construction cost while at the same time completing projects on time and within budget. We have demonstrated abilities in developing practical and cost-effective reclamation and improvement projects and are dedicated to meeting project schedules and budgets.

Maryland Shallmar Landslide Emergency

Project Location: Garrett County, Maryland
Completion Date: September 2018
Client: Maryland Department of the Environment

Project Description: Landslide Abatement Design

Maryland Scenic Railroad Landslide

Project Location: Frostburg, Maryland
Completion Date: August 2016
Client: Maryland Department of the Environment

Project Description: Landslide Abatement Design

Red Warrior Gob & Slide

Project Location: Kanawha County, West Virginia
Completion Date: June 2015
Client: WVDEP-AML, Charleston, WV

Project Description: Performed surveying, drilling and design for a potential blowout area. Designed horizontal bore for dewatering.

North Matewan (Akers) Landslide

Project Location: Mingo County, WV
Completion Date: June 2013
Client: WVDEP-AML, Charleston, WV

Project Description: Performed surveying, drilling and emergency design for stabilizing landslide.

Branchland (Blankenship) Landslide

Project Location: Lincoln County, West Virginia
Completion Date: May 2014
Client: WVDEP-AML, Charleston, WV

Project Description: Performed surveying, drilling and emergency design for stabilizing landslide.

Coburns Creek Landslide

Project Location: Preston County, West Virginia
Completion Date: May 2014
Client: WVDEP-AML, Bridgeport, WV

Project Description: Performed surveying, drilling and emergency design for stabilizing landslide.

Sauls Run Landslide

Project Location: Lewis County, West Virginia
Completion Date: May 2015
Client: WVDEP-AML, Charleston, WV

Project Description: Performed surveying and emergency design for stabilizing landslide.

Missouri Fork Landslide

Project Location: Boone County, West Virginia
Completion Date: May 2015
Client: WVDEP-AML, Charleston, WV

Project Description: Performed surveying and emergency design for stabilizing landslide.

Worthington (Hess) Landslide

Project Location: Marion County, West Virginia
Completion Date: May 2015
Client: WVDEP-AML, Bridgeport, WV

Project Description: Performed surveying, drilling and emergency design for mine blowout and landslide abatement.

Copen Road Landslide

Project Location: Braxton County, West Virginia
Completion Date: July 2015
Client: WVDEP-AML, Bridgeport, WV

Project Description: Performed surveying, drilling and emergency design for stabilizing landslide.

Dans Branch (Dillon) Landslide

Project Location: Kanawha County, West Virginia
Completion Date: June 2015
Client: WVDEP-AML, Charleston, WV

Project Description: Performed surveying, drilling and design for a potential blowout area. Designed horizontal bore for dewatering.

Pendleton Creek Highwall

Project Location: Tucker County, West Virginia
Completion Date: September, 2018
Client: WVDEP-AML

Project Description: Highwall Backfill

Maryland Barton Mine Pool

Project Location: Allegany County, Maryland
 Completion Date: June 2018
 Client: Maryland Department of the Environment

Project Description: Mine Pool Evaluation and Design

Glen Alum Complex

Project Location: Mingo County, West Virginia
 Completion Date: September 2014
 Client: WVDEP-AML, Charleston, WV

Project Description: Performed surveying and design for large refuse area and upgrading of surface drainage.

Carson One Special Reclamation Project

Project Location: Upshur County, West Virginia
 Completion Date: June 2015
 Client: WVDEP-Special Reclamation, Philippi, WV

Project Description: Performed surveying, drilling and design for regrading refuse, sealing mine shafts and slopes and upgrading drainage structures.

Vickers Branch (Butcher) Drainage

Project Location: Logan County, West Virginia
 Completion Date: 2013
 Client: WVDEP-AML, Charleston, WV

Project Description: Performed survey, drilling, design for mine seals and mine drainage control.

Sugarcamp Run Burning Refuse Phase II

Project Location: Nicholas County, West Virginia
 Completion Date: 2013
 Client: WVDEP-AML, Oak Hill, WV

Project Description: Performed site survey, drilling and prepared burning refuse abatement design.

Craigmoor (Strader) Landslide Emergency

Project Location: Harrison County, West Virginia
 Completion Date: 2017
 Client: WVDEP-AML

Project Description: Landslide abatement design

Maryland G&S Landslide Study

Project Location: Kitzmiller, Maryland
 Completion Date: 2019
 Client: Maryland AML

Project Description: Landslide causation study

Sauls Run (Bennett) Landslide

Project Location: Lewis County, West Virginia
 Completion Date: 2017
 Client: WVDEP-AML

Project Description: Landslide abatement design

West Milford (Chapman) Landslide

Project Location: Harrison County, West Virginia
 Completion Date: 2019
 Client: WVDEP-AML

Project Description: Landslide abatement design

Roderfield (Simpson) Landslide

Project Location: McDowell County, West Virginia
 Completion Date: 2017
 Client: WVDEP-AML

Project Description: Landslide abatement design

Scotch Hill Mine Fire

Project Location: Preston County, West Virginia
 Completion Date: 2019
 Client: WVDEP-AML

Project Description: Mine fire abatement design

Mammoth (Shamblin) Landslide

Project Location: Kanawha County, West Virginia
 Completion Date: 2017
 Client: WVDEP-AML

Project Description: Landslide abatement design

Delbarton (Curry) Landslide

Project Location: Mingo County, West Virginia
 Completion Date: 2019
 Client: WVDEP-AML

Project Description: Landslide abatement design

Big Creek (Surgoine) Landslide

Project Location: Logan County, West Virginia
 Completion Date: 2019
 Client: WVDEP-AML

Project Description: Landslide abatement design

Crooked Run (Davis) Landslide

Project Location: Harrison County, West Virginia
 Completion Date: 2017
 Client: WVDEP-AML

Project Description: Landslide abatement design

Procious (Doughty) Landslide

Project Location: Clay County, West Virginia
 Completion Date: 2017
 Client: WVDEP-AML

Project Description: Landslide abatement design

Rivesville (Parker) Landslide

Project Location: Marion County, West Virginia
 Completion Date: 2018
 Client: WVDEP-AML

Project Description: Landslide abatement design

Bridgeport (Ridgeway) Landslide

Project Location: Harrison County, West Virginia
 Completion Date: 2019
 Client: WVDEP-AML

Project Description: Landslide abatement design

North Matewan (Ross) Landslide

Project Location: Mingo County, West Virginia
 Completion Date: 2019
 Client: WVDEP-AML

Project Description: Landslide abatement design

Summerlee Refuse Phase II

Project Location: Fayette County, West Virginia
 Completion Date: 2019
 Client: WVDEP-AML

Project Description: Refuse and drainage design

Weston (Williams) Landslide

Project Location: Fayette County, West Virginia
 Completion Date: 2019
 Client: WVDEP-AML

Project Description: Landslide abatement design

Smithers Landslide

Project Location: Fayette County, West Virginia
 Completion Date: Current
 Client: WVDEP-AML

Project Description: Landslide abatement design

Abney Refuse Pile

Project Location: Raleigh County, West Virginia
 Completion Date: 2011-2013
 Client: WVDEP-AML, Oak Hill, WV

Project Description: Field surveying and mapping, subsurface investigation, design work for refuse regrading, mine seals, and drainage.

Cartright Branch Refuse Pile

Project Location: Logan County, West Virginia
 Completion Date: 2011-2012
 Client: WVDEP-AML, Charleston, WV

Project Description: Performed survey, drilling, design for refuse regrading and mine drainage control.

Milam Ridge

Project Location: Wyoming County, West Virginia
 Completion Date: December 2012
 Client: WVDEP-AML, Charleston, WV

Project Description: Performed surveying, drilling and design for numerous mine portals.

Squires Creek (Moats) Portal and Refuse

Project Location: Preston County, West Virginia
 Completion Date: December 2014
 Client: WVDEP-AML, Bridgeport, WV

Project Description: Performed surveying, drilling and design of refuse area and portals.

Preston Energy/Rockville/Viking Coal Special Reclamation

Project Location: Preston County, West Virginia
 Completion Date: October 2015
 Client: WVDEP-Special Reclamation, Philippi, WV

Project Description: Performed surveying and design for design of reclamation of portals and piping system to convey mine water to treatment plant.

McGraws Vertical Opening

Project Location: Wyoming County, West Virginia
 Completion Date: July 2013
 Client: WVDEP-AML, Charleston, WV

Project Description: Performed emergency design for mine shaft cap.

New Cumberland Mine Blowout

Project Location: Hancock County, West Virginia
 Completion Date: June 2013
 Client: WVDEP-AML, Bridgeport, WV

Project Description: Performed surveying, drilling and design for mine blowout abatement.

Fairview Mine Shaft

Project Location: Marion County, West Virginia
 Completion Date: October 2013
 Client: WVDEP-AML, Bridgeport, WV

Project Description: Performed emergency design for mine shaft cap.

Whitehall Mine Fire

Project Location: Marion County, West Virginia
 Completion Date: October 2013
 Client: WVDEP-AML, Bridgeport, WV

Project Description: Performed surveying, drilling and design for extinguishment of mine fire.

Lynch Run Mine Blowout

Project Location: Gilmer County, West Virginia
 Completion Date: May 2015
 Client: WVDEP-AML, Bridgeport, WV

Project Description: Performed surveying, drilling and emergency design for mine blowout and landslide abatement.

Marsh Run Portals

Project Location: Braxton County, West Virginia
 Completion Date: 2013
 Client: WVDEP-AML, Charleston, WV

Project Description: Performed survey, drilling and design for mine seals and regrading.

Donnie Thorn Highwall

Project Location: Preston County, West Virginia
 Completion Date: 2013
 Client: WVDEP-AML, Bridgeport, WV

Project Description: Field surveying and mapping, subsurface investigation, design work for refuse regrading, mine seals, and drainage.

Glen Rogers Emergency

Project Location: Wyoming County, West Virginia
 Completion Date: 2012
 Client: WVDEP-AML, Charleston, WV

Project Description: Performed survey, drilling, and design for shaft seals.

Morgan #46 Highwall

Project Location: Preston County, West Virginia
 Completion Date: 2013
 Client: WVDEP-AML, Bridgeport, WV

Project Description: Performed survey and design for refuse and spoil regrading and drainage control.

Thorpe Refuse Pile

Project Location: McDowell County, West Virginia
 Completion Date: 2011-2012
 Client: WVDEP-AML, Oak Hill, WV

Project Description: Performed survey, drilling, design for refuse and spoil regrading and mine drainage control.

Shinnston Lumberport Subsidence

Project Location: Harrison County, West Virginia
 Completion Date: 2010-2012
 Client: WVDEP-AML, Philippi, WV

Project Description: Performed site survey, drilling and prepared subsidence abatement design.

Newtown (Kinder) Portals Design

Project Location: Mingo County, West Virginia
 Completion Date: 2010-2012
 Client: WVDEP-AML, Charleston, WV

Project Description: Performed site survey, and prepared design for portals reclamation and drainage abatement design.

Gordon "C" Refuse Pile

Project Location: Boone County, West Virginia
 Completion Date: 2010-2012
 Client: WVDEP-AML, Oak Hill, WV

Project Description: Field surveying and mapping, subsurface investigation, design work for mine seals, drainage, and refuse reclamation.

Keaton Branch Complex

Project Location: Raleigh County, West Virginia
 Completion Date: 2010-2011
 Client: WVDEP-AML, Oak Hill, WV

Project Description: Performed survey, drilling, design for refuse, regrading and mine drainage control.

Dunloup Creek Complex

Project Location: Raleigh County, West Virginia
 Completion Date: 2009-2011
 Client: WVDEP-AML, Oak Hill, WV

Project Description: Performed survey, drilling, design for refuse and spoil regrading and mine drainage control.

Brownton (McCord) Landslide

Project Location: Barbour County, West Virginia
 Completion Date: 2009-2011
 Client: WVDEP-AML, Philippi, WV

Project Description: Performed site survey, drilling and prepared landslide abatement design.

Keystone (Avery) Landslide Portal

Project Location: McDowell County, West Virginia
 Completion Date: 2009-2011
 Client: WVDEP-AML, Charleston, WV

Project Description: Performed site survey and prepared landslide abatement design, portals reclamation, and drainage control.

Dan's Branch (Pennington) Landslide Emergency

Project Location: Mingo County, West Virginia
 Completion Date: 2011
 Client: WVDEP-AML, Charleston, WV

Project Description: Field surveying and mapping, subsurface investigation, design work for landslide reclamation.

East Bank (Willis) Mine Blowout

Project Location: Kanawha County, West Virginia
 Completion Date: 2009
 Client: WVDEP-AML, Charleston, WV

Project Description: Field surveying and mapping, design work for mine seal and drainage control.

Island Creek #18 Mine Complex

Project Location: Logan County, West Virginia
 Completion Date: 2009-2011
 Client: WVDEP-AML, Oak Hill, WV

Project Description: Field surveying and mapping, subsurface investigation, design work for mine seals, drainage, and refuse reclamation.

Jacob's Fork Complex

Project Location: Boone County, West Virginia
 Completion Date: 2008-2009
 Client: WVDEP-AML, Charleston, WV

Project Description: Field surveying and mapping, subsurface investigation, design work for mine seals, drainage, and reclamation.

Gilmer B Site 3.8

Project Location: Gilmer County, West Virginia
 Completion Date: 2008
 Client: WVDEP-AML, Charleston, WV

Project Description: Performed survey, drilling, design for refuse and spoil regarding and mine drainage control.

Rhodell Refuse & Portals

Project Location: Wyoming County, West Virginia
 Completion Date: 2008
 Client: WVDEP-AML, Charleston, WV

Project Description: Performed survey, drilling, design for refuse and spoil regarding and mine drainage control.

Gouge Landslide Emergency

Project Location: Scottown, Ohio
 Completion Date: 2007
 Client: ODNR-AML, Columbus, OH

Project Description: Performed site survey, drilling and prepared landslide abatement design.

Rodgers Subsidence Emergency

Project Location: Logan County, West Virginia
 Completion Date: 2011-2012
 Client: WVDEP-AML, Charleston, WV

Project Description: Performed survey, drilling, design for refuse regrading and mine drainage control.

McAdams Subsidence Emergency

Project Location: Stark County, Ohio
 Completion Date: 2006
 Client: ODNR-AML, Columbus, OH

Project Description: Performed investigation and prepared report of findings.

Athens Rt. 13 Refuse Fire Emergency

Project Location: Athens County, Ohio
 Completion Date: 2006
 Client: ODNR-AML, Columbus, OH

Project Description: Performed site survey, prepared abatement design and monitored on site construction for fire extinguishment.

Brown Landslide Emergency

Project Location: Rayland, OH
 Completion Date: 2007
 Client: ODNR-AML, Columbus, OH

Project Description: Performed site survey and prepared landslide abatement design.

Toney Fork Landslide Emergency

Project Location: Boone County, West Virginia
 Completion Date: 2006
 Client: WVDEP-AML, Charleston, WV

Project Description: Performed site survey, drilling and prepared plans and specifications to stabilize an emergency landslide area.

Lavender Refuse Fire Emergency

Project Location: Meigs County, Ohio
 Completion Date: 2005
 Client: ODNR-AML, Columbus, OH

Project Description: Performed abatement plan and monitored construction.

Goetz Subsidence Emergency

Project Location: Columbiana County, Ohio
 Completion Date: 2005
 Client: ODNR-AML, Columbus, OH

Project Description: Performed investigation and prepared report of findings.

Cox Refuse Fire Emergency

Project Location: Gallia County, Ohio
 Completion Date: 2005
 Client: ODNR-AML, Columbus, OH

Project Description: Performed abatement design for fire extinguishment.

North Matewan (Sipple Drainage)

Project Location: Mingo County, West Virginia
 Completion Date: 2005
 Client: WVDEP-AML

Project Description: Performed surveying, drilling and design for drainage project abatement.

Phalen Landslide Emergency

Project Location: Martins Ferry, Ohio
 Completion Date: 2005
 Client: ODNR-AML, Columbus, OH

Project Description: Performed site surveying and landslide abatement design.

Adkins Landslide Emergency

Project Location: Gallia County, Ohio
 Completion Date: 2005
 Client: ODNR-AML, Columbus, OH

Project Description: Performed surveying, drilling, landslide abatement and construction monitoring.

Baisden Subsidence Emergency

Project Location: Jackson County, Ohio
 Completion Date: 2005
 Client: ODNR-AML, Columbus, OH

Project Description: Performed drilling to develop subsidence abatement solutions.

Treadway Landslide Emergency

Project Location: Rayland, Ohio
 Completion Date: 2004
 Client: ODNR-AML, Columbus, OH

Project Description: Performed site surveying, drilling and landslide abatement design.

Big Creek "C" Refuse

Project Location: Logan County, West Virginia
 Completion Date: 2004
 Client: WVDEP-AML

Project Description: Performed surveying and drilling for design.

Imboden Landslide Emergency

Project Location: Rutland, Ohio
 Completion Date: 2004
 Client: ODNR-AML, Columbus, OH

Project Description: Performed drilling and surveying to develop landslide abatement solutions and cost estimates.

Parsons Landslide Emergency

Project Location: New Philadelphia, Ohio
 Completion Date: 2004
 Client: ODNR-AML, Columbus, OH

Project Description: Performed site review and report concerning landslides relation to mining and potential solutions.

Jefferson County Road 26 Landslide Emergency

Project Location: Weinterville, Ohio
 Completion Date: 2004
 Client: ODNR-AML, Columbus, OH

Project Description: Performed surveying, drilling and prepared plans and specifications to stabilize and emergency landslide area.

Charleston Romeo Landslide

Project Location: Kanawha County, West Virginia
 Completion Date: 2004
 Client: WVDEP-AML

Project Description: Performed surveying, drilling and design of landslide abatement.

Titus Road Landslide Emergency

Project Location: Rutland, Ohio
 Completion Date: 2004
 Client: ODNR-AML, Columbus, OH

Project Description: Performed surveying, drilling and prepared plans and specifications to stabilize and emergency landslide area.

Lewis Landslide Emergency

Project Location: Pomeroy, Ohio
 Completion Date: 2004
 Client: ODNR-AML, Columbus, OH

Project Description: Performed surveying, drilling, prepared plans and specifications to stabilize an emergency landslide area, and provided construction monitoring.

Roush Landslide Emergency

Project Location: Pomeroy, Ohio
 Completion Date: 2004
 Client: ODNR-AML, Columbus, OH

Project Description: Prepared plans and specifications to stabilize an emergency landslide area.

Moran Subsidence

Project Location: Clinton, Ohio
 Completion Date: 2004
 Client: ODNR-AML, Columbus, OH

Project Description: Prepared plans and specifications to stabilize an emergency subsidence area.

Ron Bobar Subsidence

Project Location: Flushing, Ohio
 Completion Date: 2004
 Client: ODNR-AML, Columbus, OH

Project Description: Investigation and report of an emergency subsidence area.

Gooney Otter Refuse

Project Location: Wyoming County, West Virginia
 Completion Date: 2004
 Client: WVDEP-AML

Project Description: Performed surveying, drilling and site design for refuse regarding project.

Chapmanville (Gorby) Mine Blowout

Project Location: Logan County, West Virginia
 Completion Date: 2003
 Client: WVDEP-AML

Project Description: Performed surveying, drilling and design of landslide regrading and retaining wall design.

Tuppers Creek (Layne) Landslide

Project Location: Kanawha County, West Virginia
 Completion Date: 2003
 Client: WVDEP-AML

Project Description: Performed surveying, drilling and design of landslide abatement.

Maidsville (Tennant) Landslide

Project Location: Monongalia County, West Virginia
 Completion Date: 2003
 Client: WVDEP-AML

Project Description: Performed surveying, drilling and design of landslide abatement.

Whittington Hill (Walker Landslide)

Project Location: Kanawha County, West Virginia
 Completion Date: 2002
 Client: WVDEP-AML

Project Description: Performed surveying, drilling and design for an emergency landslide.

Minden Refuse Pile Reclamation Project

Project Location: Fayette County, West Virginia
 Completion Date: 2001
 Client: WVDEP-AML

Project Description: Performed surveying and design for emergency project to upgrade drainage control.

Jeffrey Mine Complex Reclamation Project

Project Location: Boone County, West Virginia
 Completion Date: 2001
 Client: WVDEP-AML

Project Description: Performed surveying and design regrading refuse.

Hot Coal Reclamation Project

Project Location: Raleigh County, West Virginia
 Completion Date: 2000
 Client: WVDEP-AML

Project Description: Performed surveying and design for regrading refuse.

Bull Run #27

Project Location: Preston County, West Virginia
 Completion Date: 2000
 Client: WVDEP-AML

Project Description: Performed surveying and design for regrading refuse.

Rich Fork (Thaxton) Landslide

Project Location: Kanawha County, West Virginia
 Completion Date: 2003
 Client: WVDEP-AML

Project Description: Performed surveying, drilling and design of landslide abatement.

Riffe Branch Impoundment

Project Location: Fayette County, West Virginia
 Completion Date: 2000
 Client: WVDEP-AML

Project Description: Performed surveying and design for regrading refuse and drainage control.

Ven's Run Landslide

Project Location: Harrison County, West Virginia
 Completion Date: 1999
 Client: WVDEP-AML

Project Description: Performed surveying and design for regraded landslide area.

Bull Run #35

Project Location: Preston County, West Virginia
 Completion Date: 1999
 Client: WVDEP-AML

Project Description: Performed surveying and design for refuse and spoil regrading.

Securro Mine Drainage Site 1 & 2

Project Location: Fairmont, West Virginia
 Completion Date: 1998
 Client: WVDEP-AML

Project Description: Performed surveying and design for mine drainage system.

Geotechnical/Soil Analysis

Performed geotechnical analysis on 135 projects over the past 20 years. These project involved slope stability, mine pool locations and mine subsidence.

US 35 Design Build: Utilized provided core boring data, coordinated drilling of over 100 additional core borings to design 7.5 miles of 4 lane highway in Putnam County, West Virginia. This included the foundation designs of bridge piers and abutments for 2 bridges carrying the 4 lane roadway over a major stream and an existing roadway.

WVDOT-District 2 Mingo County: Solicited core borings, provided field personnel to log core samples, designed 4 pile retaining walls for landslides effecting existing roadways. Including analyzing piling, lagging and other aspects of each wall. Developed plans with profile, traffic control, estimated quantities, drainage controls, etc. in a bid package suitable for WVDOT to solicit bids.

WVDOT-District 2 Logan County: Solicited core borings, provided field personnel to log core samples, designed 5 pile retaining walls for landslides effecting existing roadways. Including analyzing piling, lagging and other aspects of each wall. Developed plans with profile, traffic control, estimated quantities, drainage controls, etc. in a bid package suitable for WVDOT to solicit bids.

WVDOT-District 2 Lincoln County: Solicited core borings, provided field personnel to log core samples, designed 14 pile retaining walls for landslides effecting existing roadways. Including analyzing piling, lagging and other aspects of each wall. Developed plans with profile, traffic control, estimated quantities, drainage controls, etc. in a bid package suitable for WVDOT to solicit bids.

WVDOT Cottageville Bridge: Solicited bids from drilling contractors, coordinated drilling for a bridge replacement in Jackson and Mason County, West Virginia. The geotechnical testing performed consisted of five hydrometer analysis and rock core compression testing. The design included pile foundations for the piers and abutments, sonar analysis of the creek channel as it relates to the soil materials and slope stability analysis for each abutment.

WVDEP-AML Dans Branch: Performed geotechnical investigation of an AML emergency landslide. Performed core borings and geotechnical testing of soil samples obtained from the borings. Designed pile retaining wall to support embankment and existing home below pre-law mining.

Dempsey Bottom Beam Span: The subsurface investigation consisted of 6 test borings, all of which encountered bedrock. Four of the core borings were located at the site of the two proposed abutments, while the other two were drilled at the site of the proposed retaining wall. Hollow stem augers were utilized to drill the holes through the overburden. The Standard Penetration Test method utilizing split-spoon sampler was also used to sample the overburden soils.

Guyandotte River Bridge: ELR performed geotechnical design including future mine subsidence remediation for this bridge. During the design process a check of the mining records determined the presence of a coal seam in the vicinity of the bridge. After review of the mine maps and additional drilling, presence of mine voids was confirmed. Using the depths from the ground surface to the mine level a limit of grout protection was developed. The grouting program developed included some down hole camera work and confirmation borings to confirm the grout effectiveness. Grouting of the mine void eliminated the possibility of future mine subsidence in the vicinity of the substructure and allowed the bridge to be supported on conventional caissons.

Hydraulics/Hydrology

E.L. Robinson has worked with various clients, both private firms and public entities, in developing hydrology and hydraulics studies to determine effects that developments would have on floodplains and how they might adversely affect the surrounding communities.

- East Fork Bridge
- South Cuba Bridge
- WV 10 Operational Improvements
 - Jesse Bridge
 - Herndon Slab Bridge
 - Car Wash Bridge
 - Matoaka Bridge No. 1
 - Matoaka Bridge No 2
 - SSG Gene Arden Vance Jr Memorial Bridge
 - Toney Fork Slab Bridge
 - Road Branch Bridge
 - Beech Branch Bridge
 - Giatto Overpass Bridge
 - Hiawatha Overpass Bridge
 - U.S. Army Sp4 Jackie (Hearn) Mcmillion Memorial Bridge
- Blue Creek Bridge
- Marsh Fork Bridge
- Junior Bridge
- Corridor H – Kerens to Parsons
 - Baldlick Fork Bridge (Bridge #1)
 - Panther Run Bridge (Bridge #2)
 - South Branch of Haddix Run Bridge (Bridge #3)
 - Unnamed Trib of Haddix Run Bridge (Bridge #4)
 - Bridge over Haddix Run and US 219 (Bridge #5)
- Cherry Tree Bridge
- Laurel Creek Girder Bridge

Aerial Photography/Mapping

E.L. Robinson Engineering has worked with various clients to develop contour mapping of sites and areas that otherwise could not be determined. With the use of aerial photography and state of the art technology, ELR has developed maps from photographs for numerous projects including but not limited to:

- City of Beckley
- City of Charleston
- Corridor D
- Corridor H
- Cross Lanes Connector
- Eldora
- Frazier's Bottom
- Glenwood
- Hatfield Cemetery
- I-70 Washington Avenue (Wheeling, WV)
- I-64 Glade Creek
- Jackson Mill
- King Coal
- KY 40 Connector
- Logan Run
- New River Parkway
- Ohio River Crossing
- Pinegrove
- Parkersburg
- Powell Creek
- Prince
- PSI-Baker/Ft. Henry Bridges
- Racetrack
- White Sulphur Springs

Aerial Photography/Mapping

E.L. Robinson Engineering has completed the preliminary mapping for the WVDEP for all of the AML projects located in Northern West Virginia since 2012. In addition, ELR has completed either preliminary or final mapping for the following:

2003-Present

All ELR AML Projects WV and OH

2002

Community of Preston
 Rhodell Refuse Portals
 Vivian Refuse Maintenance
 Glen Rogers Waterline
 Sundial (Hatfield) Refuse Pile
 Jacob Fork Complex
 Thomas (NE) Subsidence

2001

Bartley Mine Dump
 Beckley Soccer Complex
 Holden Portals/Structures
 Jeffrey Complex
 Minden Refuse Drainage
 Roach Branch Refuse

Sauls Run Strip
 Stonecoal Creek Complex
 Waterline Photography
 Weaver Portals/Mine Drain

2000

Micajah Refuse Pile
 McAlphin Eroding Dump
 Flemington Portals/Drainage
 Minden "C" Refuse Pile
 National Mine Complex
 Linger Clogged Stream
 Hotcoal Mine Dump
 Layton Mine Drainage
 Quintain Development

1999

Bull Run #27
 8th Street-Warwood Avenue

Mabie Highwall
 Coal Branch
 Matoaka Subsidence
 Elkins Coal
 Springton Refuse
 Veins Run

1998

Bull Run #35
 Fickey Run

1997

Browns Creek
 Marrowbone
 Matewan
 Pigeon Creek

CCQQ
Attachment A

Project Matrix

Attachment B

Required Forms

Attachment C



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

State of West Virginia
 Centralized Expression of Interest
 Architect/Engr

Proc Folder: 1257313			Reason for Modification:
Doc Description: EOI - 2023 AML Contract S2			
Proc Type: Central Purchase Order			Version
Date Issued	Solicitation Closes	Solicitation No	
2023-08-07	2023-08-23 13:30	CEOI 0313 DEP240000001	1

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

VENDOR
Vendor Customer Code: Vendor Name : EL Robinson Engineering Address : Street : 5088 Washington Street, West City : Charleston State : West Virginia Country : United States Zip : 25313 Principal Contact : Eric Coberly, PE, Project Manager Vendor Contact Phone: 304.833.9021 Extension:

FOR INFORMATION CONTACT THE BUYER Joseph E Hager III (304) 558-2306 joseph.e.hageriii@wv.gov
--

Vendor Signature X 	FEIN# 55-0594633	DATE 8/23/2023
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All offers subject to all terms and conditions contained in this solicitation

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

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

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

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

(Email address) ecoberly@elrobinson.com

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

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

EL Robinson Engineering

(Company)

(Signature of Authorized Representative)

Eric Coberly, PE, President & Project Manager

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

304.833.9021 / 304.776.6426

(Phone Number) (Fax Number)

ecoberly@elrobinson.com

(Email Address)

ABANDONED MINE LANDS (AML) CONTRACTOR INFORMATION FORM

You must complete this form for your AML contracting officer to request an eligibility evaluation from the Office of Surface Mining Reclamation and Enforcement (OSMRE) to determine if you are eligible to receive an AML contract. This requirement can be found under OSMRE's regulations at 30 CFR 874.16. **NOTE:** This form must be signed and **dated within 30 days** of submission to be considered for a current bid.

Part A: General Information

Business Name: EL Robinson Engineering
 Tax ID #: 55-0594633
 Address: 5088 Washington Street, West
 City, State, & Zip: Charleston, WV 25305
 Phone Number: 304.776.7473
 Email Address: ecoberly@elrobinson.com

Part B: Obtain an Organizational Family Tree (OFT) from the Applicant Violator System (AVS)

If you plan to certify the existing AVS information or submit updates under Part C, you must include an OFT. Instructions for downloading an OFT from the AVS can be found at: <https://www.osmre.gov/sites/default/files/2022-02/OMB%201029-0119%20instructions.pdf>. If you require assistance you may contact the AVS Office by phone at: 800-643-9748, or by email at: avshelp@osmre.gov.

Part C: Certifying and updating information in the AVS

Select one of the options, follow the instructions for the selected option, sign, and date below.

I, **Eric Coberly, PE, President & Project Manager**, have express authority to certify that:
 (Print Name)

1. Our business is listed in the AVS. The information is accurate, complete, and up to date. (If you select this option, you must attach an Entity OFT from the AVS to this form). Do not complete Part D.
2. Our business is in the AVS. The information needs to be updated. (If you select this option, you must attach an Entity OFT from the AVS to this form). Complete Part D to provide the missing or corrected information.
3. Our business is not listed in the AVS. The information needs to be added. Complete Part D to provide the information.

8/23/2023

Date


Signature


Title

ADDENDUM ACKNOWLEDGEMENT FORM

SOLICITATION NO.: **CEOI 0313 DEP240000001**

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

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

EL Robinson Engineering

Company


Authorized Signature

8/23/2023

Date

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