



E.L. ROBINSON ENGINEERING

STATEMENT OF QUALIFICATIONS

JULY 10, 2018



WEST VIRGINIA
DEPARTMENT OF
ENVIRONMENTAL
PROTECTION-AML

PINE BLUFF
(WILSON) REFUSE

5088 Washington Street, West
Charleston, WV 25313
800.856.6485

07/06/18 11:52:35
WV Purchasing Division

ESTABLISHED EXPERIENCE. PROVEN PERFORMANCE.

elrobinsonengineering.com

July 10, 2018

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

Dear Ms. Ingraham,

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 Pine Bluff (Wilson) Refuse Project located in Harrison County.

ELR has completed plans and specifications for numerous reclamation projects for WVDEP/AML for over 20 years in addition to several projects with ODNR and Maryland AML. We have included descriptions of our project experience later in this proposal. Please note that all staff that completed tasks on these projects are still with ELR.

The ELR staff has combined experience in the design of more than 254 AML projects.

We are able to assemble multiple design teams with our current staff. The Charleston office has:


- A. Eleven (11) registered professional engineers (civil or mining), one (1) geologist, two (2) landscape architects, four (4) engineers in training as well as several CADD technicians that may be used on these teams.
- B. ELR Corporate experience in designing one hundred twenty-one (121) abandoned mine land remediation projects. Personal experience on approximately two hundred fifty-four (254) AML projects. This number does not include surveying/mapping/drilling projects.

E.L. Robinson Engineering has grown from 13 employees in 1996 to over 150 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. In addition, we have an office located in Bridgeport, WV.

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,



Eric J. Coberly, P.E.
Project Manager

TABLE OF CONTENTS



Executive Summary	4
Project Approach	5
Project Team	6-7
Capabilities/Experience	8
CCQQ	Attachment B
Experience	
Abandoned Mine Lands Reclamation	9-29
Geotechnical/Soil Analysis	30-31
Hydraulics/Hydrology	32-36
Aerial Photography/Contour Mapping	37-38
Key Personnel	39-56
AML & Related Project Experience Matrix	Attachment C
Expression of Interest	
Purchasing Affidavit	

EXECUTIVE SUMMARY



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 Pine Bluff (Wilson) Refuse Project 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 more than 150 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.

PROJECT APPROACH



E.L. Robinson is familiar with the Pine Bluff (Wilson) Refuse project area and the desired design services for which you are seeking. We understand that the work to be provided to the WVDEP/AML for this reclamation project shall specifically include design of drainage conveyances, installation of mine seals, reclamation of refuse, installation of streambank protection, and re-vegetation of 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 quality engineering services to your agency.

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.

The scope of services will include but are not limited to:

- Conceptual engineering and identification of permitting requirements
- Surveying and contour mapping
- Geotechnical services
- Design
- Preparation of plans and specifications
- Participation in the pre-bid meeting
- Participation in the pre-construction meeting
- Preparation of all necessary permit applications
- Construction monitoring

PROJECT TEAM



Mr. Eric Coberly, P.E., will serve as Project Manager. Mr. Coberly has over 30 years of experience in the field of engineering. He was previously employed by the West Virginia Department of Environmental Protection Abandoned Mine Lands Division as Chief where his responsibilities included managing and directing the operations for the entire department. With his past experience, Mr. Coberly offers invaluable experience and unparalleled expertise in mine reclamation.



Mr. Timothy Cart, P.E., will be assigned as a Project Engineer. Mr. Cart has performed over 100 Abandoned Mine Land Reclamations projects throughout Appalachia. These projects have involved draining flooded mine workings, support of ground experiencing or subject to Mine subsidence and the stabilization of landslides. He has also designed numerous reclamation plans for refuse sites and stream restoration projects.



Mr. Mark McGettigan, P.E., will be assigned as a Project Engineer. Mr. McGettigan has 18 years of experience as a project engineer and manager including many project designs and waterline feasibility studies for the WVDEP.



Mr. Rich Watts, P.G., will serve as Project Geologist. Mr. Watts' responsibilities will include assisting in the design and quality control. Mr. Watts has 40 years of experience in providing consulting services as a senior geologist. He has also served as project manager on numerous reclamation projects.



Mr. John Kelly, will serve as a Project Designer. He has performed this role for numerous prior and current mine reclamation projects in his 20 years with ELR.



Mr. Gary Workman, will be assigned as a Project Designer. Mr. Workman has 31 years of experience as an Auto CAD designer with an emphasis on mine reclamation projects. He has experience specifically in the design of several abandoned mine land reclamation projects including large refuse pile grading, design of drainage structures, and retaining wall design.



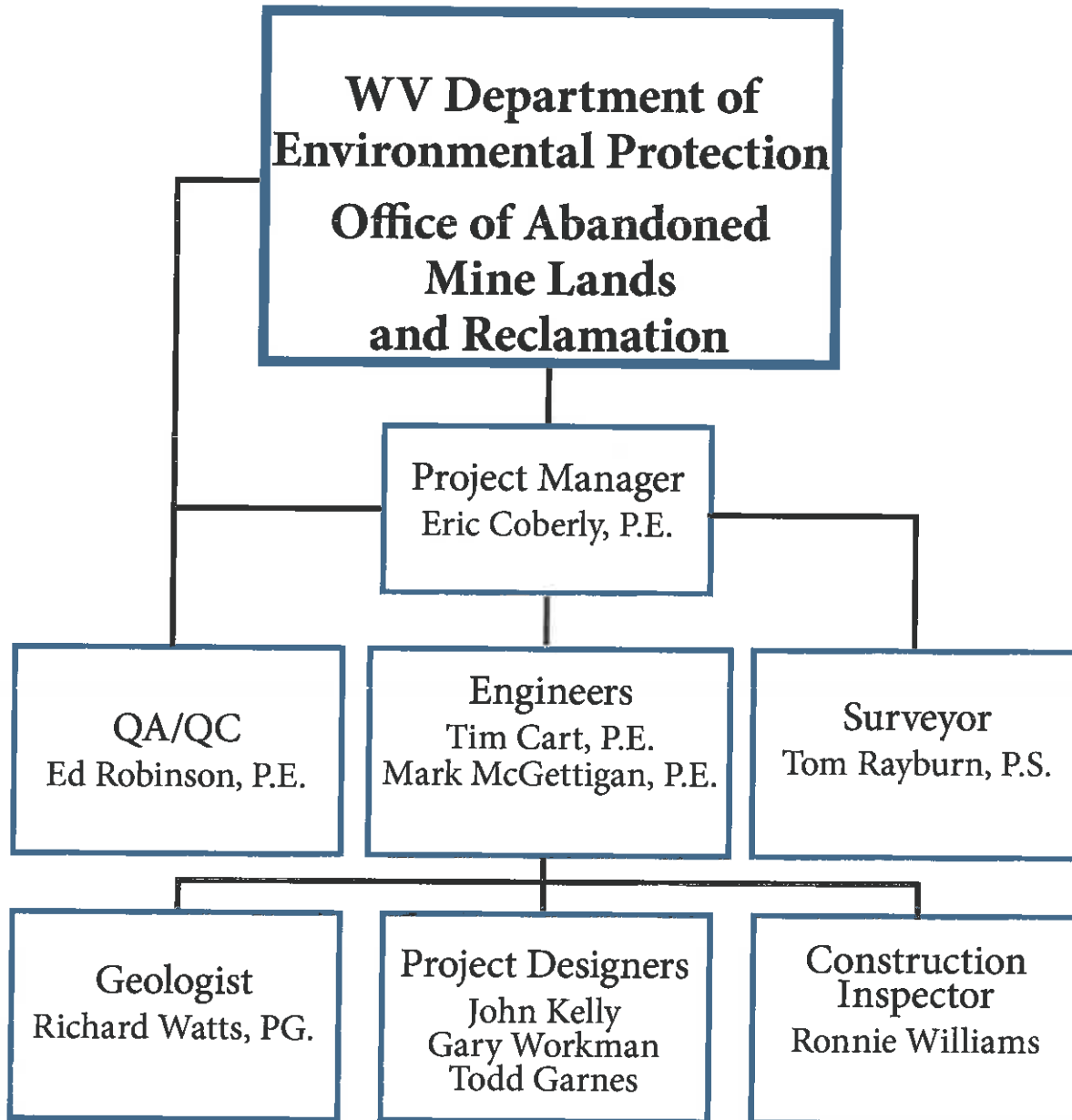
Mr. Todd Garnes, will serve as a Project Designer. He has over 15 years of experience as a civil draftsman and designer. He is proficient in numerous drafting and mapping software platforms. His proficiency spans multiple areas including mine site reclamation, waterline planning and design, sanitary sewer planning and design.



Mr. J. Tom Rayburn, P.S., will be assigned as Chief Surveyor. Our team of surveyors provide the latest in technology and experience in surveying and mapping.

Mr. Ronnie Williams, will be assigned to oversee construction monitoring. ELR maintains a permanent and highly qualified construction inspection staff, who exhibit a high level of capability to oversee the construction of your project.

In addition to your primary project team, other members of our organization may be called upon from time to time to provide their expertise and assistance to ensure this important project is completed on time and on budget.



CAPABILITIES/EXPERIENCE



Over the past 40 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. Such demonstrations can be seen in our prior work on our most recent reclamation projects including:

- Squires Creek (Moats) Portal and Refuse
- Red Warrior Gob & Slide
- Glen Alum Complex
- West Columbia B
- Milam Ridge Refuse Pile
- Carson One Special Reclamation Project
- Preston Energy/Rockville/Viking Coal Rec
- North Matewan (Akers) Landslide
- Branchland (Blankenship) Landslide
- Coburns Creek Landslide
- McGraws Vertical Opening
- New Cumberland Mine Blowout
- Fairview Mine Shaft
- Whitehall Mine Fire
- Sauls Run Landslide
- Missouri Fork Landslide
- Worthington (Hess) Landslide
- Copen Road Landslide
- Lynch Run Mine Blowout
- Dans Branch (Dillon) Landslide
- Marsh Run Portals
- Donnie Thorn Highwall
- Vickers Branch (Butcher) Drainage
- Morgan #46 Highwall
- Sugarcamp Run Burning Refuse Phase II
- Glen Rogers Emergency
- Abney Ruse Piles
- Cartright Branch Refuse Pile
- Thorpe Refuse Pile
- Shinnston Lumberport Subsidence

**WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION
AML CONSULTANT CONFIDENTIAL QUALIFICATION QUESTIONNAIRE**

Attachment "B"

PROJECT NAME Pine Bluff (Wilson) Refuse DEP16396		DATE (DAY, MONTH, YEAR) June 12, 2018	FEIN 55-0594633
1. FIRM NAME E.L. Robinson Engineering Co.		2. HOME OFFICE BUSINESS ADDRESS 5088 Washington Street, West Charleston, WV 25313	3. FORMER FIRM NAME
4. HOME OFFICE TELEPHONE 304-776-7473	5. ESTABLISHED (YEAR) 1978	6. TYPE OWNERSHIP Individual x Corporation Partnership Joint-Venture	6a. WV REGISTERED DBE (Disadvantaged Business Enterprise) YES x NO
7. PRIMARY AML DESIGN OFFICE: ADDRESS/ TELEPHONE/ PERSON IN CHARGE/ NO. AML DESIGN PERSONNEL EACH OFFICE 5088 Washington Street, West 304-776-7473/Eric Coberly, P.E./54 Staff in Charleston Area Charleston, WV 25313			

8. NAMES OF PRINCIPAL OFFICERS OR MEMBERS OF FIRM Ed Robinson, P.E. 304 776-7473 Ext 211	8a. NAME, TITLE, & TELEPHONE NUMBER - OTHER PRINCIPALS
---	--

9. PERSONNEL BY DISCIPLINE

4 ADMINISTRATIVE ARCHITECTS	— ECOLOGISTS	2 LANDSCAPE ARCHITECTS	7 STRUCTURAL ENGINEERS
BIOLOGIST	— ECONOMISTS	— MECHANICAL ENGINEERS	7 SURVEYORS
6 CADD OPERATORS	— ELECTRICAL ENGINEERS	1 MINING ENGINEERS	— TRAFFIC ENGINEERS
— CHEMICAL ENGINEERS	— ENVIRONMENTALISTS	— PHOTOGRAMMETRISTS	— OTHER
22 CIVIL ENGINEERS	— ESTIMATORS	PLANNERS: URBAN/REGIONAL	
22 CONSTRUCTION INSPECTORS	1 GEOLOGISTS	— SANITARY ENGINEERS	
— DESIGNERS	— HISTORIANS	1 SOILS ENGINEERS	
DRAFTSMEN	— HYDROLOGISTS	— SPECIFICATION WRITERS	73 TOTAL PERSONNEL

TOTAL NUMBER OF WV REGISTERED PROFESSIONAL ENGINEERS IN PRIMARY OFFICE: 14
 *RPEs other than Civil and Mining must provide supporting documentation that qualifies them to supervise and perform this type of work.

10. HAS THIS JOINT-VENTURE WORKED TOGETHER BEFORE? YES NO X This is not applicable

11. OUTSIDE KEY CONSULTANTS/SUB-CONSULTANTS ANTICIPATED TO BE USED. Attach "AML Consultant Confidential Qualification Questionnaire" for each if copy is not on file with AML.

NAME AND ADDRESS: Novel Geo - Environmental (NGE) 806 B Street, St. Albans, WV	SPECIALTY: Drilling	WORKED WITH BEFORE <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
NAME AND ADDRESS:	SPECIALTY:	WORKED WITH BEFORE <input type="checkbox"/> YES <input type="checkbox"/> NO
NAME AND ADDRESS:	SPECIALTY:	WORKED WITH BEFORE <input type="checkbox"/> YES <input type="checkbox"/> NO
NAME AND ADDRESS:	SPECIALTY:	WORKED WITH BEFORE <input type="checkbox"/> YES <input type="checkbox"/> NO
NAME AND ADDRESS:	SPECIALTY:	WORKED WITH BEFORE <input type="checkbox"/> YES <input type="checkbox"/> NO
NAME AND ADDRESS:	SPECIALTY:	WORKED WITH BEFORE <input type="checkbox"/> YES <input type="checkbox"/> NO
NAME AND ADDRESS:	SPECIALTY:	WORKED WITH BEFORE <input type="checkbox"/> YES <input type="checkbox"/> NO
NAME AND ADDRESS:	SPECIALTY:	WORKED WITH BEFORE <input type="checkbox"/> YES <input type="checkbox"/> NO
NAME AND ADDRESS:	SPECIALTY:	WORKED WITH BEFORE <input type="checkbox"/> YES <input type="checkbox"/> NO

12. A. Is your firm experienced in Abandoned Mine Lands Remediation/Mine Reclamation Engineering?
 YES Description and Number of Projects: One hundred twenty one (121) Projects - See Attached Sheet

NO

B. Is your firm experienced in Soil Analysis?

YES Description and Number of Projects: Ten (10) Projects Listed - See attached Sheet

NO

C. Is your firm experienced in hydrology and hydraulics?

YES Description and Number of Projects: Ten (10) Projects Listed - See attached sheet

NO

D. Does your firm produce its own Aerial Photography and Develop Contour Mapping?

YES Description and Number of Projects: > 200 - in Firm History - 65 Recent Projects Listed
All ELR WV & OH AML Projects since 2003 have been surveyed with ELR Surveying Staff

NO

E. Is your firm experienced in domestic waterline design? (Include any experience your firm has in evaluation of aquifer degradation as a result of mining.)

YES Description and Number of Projects: Ninety-seven (97) Total
Twelve (12) Domestic Waterline Experience (AML Related)
Thirty-five (35) Evaluation of Aquifer Degradation
Fifty (50) Non-AML Domestic Water Lines

NO

F. Is your firm experienced in Acid Mine Drainage Evaluation and Abatement Design?

YES Description and Number of Projects: Seven (7) Projects

NO

13. PERSONAL HISTORY STATEMENT OF PRINCIPALS AND ASSOCIATES **RESPONSIBLE FOR AML PROJECT DESIGN** (Furnish complete data but keep to essentials)

NAME & TITLE (Last, First, Middle Int.) Edward L. Robinson, President	YEARS OF EXPERIENCE		
	YEARS OF AML DESIGN EXPERIENCE: 19	YEARS OF AML RELATED DESIGN EXPERIENCE: 30	YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE: 36

Brief Explanation of Responsibilities

Mr. Robinson worked in the Right of Way Division of the WV Department of Highways for ten years where he reviewed major utility plans. He has extensive experience in property surveys, property title searches, aerial mapping and land acquisition. He has provided quality control on all projects designed by this firm for the past 25 years. Provide and coordinate Quality Control on all design projects.

EDUCATION (Degree, Year, Specialization)

Bachelor of Science 1969 Civil Engineering
Master of Science 1981 Civil Engineering

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS

American Society of Civil Engineers - Past President WV
American Council of Engineering Companies
National Society of Professional Engineers

REGISTRATION (Type, Year, State)

1975 Civil Engineering
Registered in West Virginia and Kentucky
Professional Licensed Surveyor No. [REDACTED]

13. PERSONAL HISTORY STATEMENT OF PRINCIPALS AND ASSOCIATES **RESPONSIBLE FOR AML PROJECT DESIGN** (Furnish complete data but keep to essentials)

NAME & TITLE (Last, First, Middle Int.) Richard W. Watts, P.G.	YEARS OF EXPERIENCE		
	YEARS OF AML DESIGN EXPERIENCE: 30	YEARS OF AML RELATED DESIGN EXPERIENCE: 35	YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE: 1

Brief Explanation of Responsibilities

Mr. Watts has served as project geologist on more than ninety (90) abandoned mine land projects. Responsibilities include project management, field reconnaissance, drilling coordination, laboratory testing and analysis, stability analysis, specification writing, quantity determinations, cost estimates, pre-bid and pre-construction meetings. Projects included surface and deep mine reclamation, subsidence, AMD treatment and waterline feasibility studies.

EDUCATION (Degree, Year, Specialization)

B.S./1977/Geology
M.S./1994/Geography

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS

Geological Society of America
Association of Engineering Geologists

REGISTRATION (Type, Year, State)

Professional Geologist/1992/Virginia
Professional Geologist/1993/Kentucky

13. PERSONAL HISTORY STATEMENT OF PRINCIPALS AND ASSOCIATES RESPONSIBLE FOR AML PROJECT DESIGN (Furnish complete data but keep to essentials)

NAME & TITLE (Last, First, Middle Int.) John Kelly II, E.I.	YEARS OF EXPERIENCE		
	YEARS OF AML DESIGN EXPERIENCE: 15	YEARS OF AML RELATED DESIGN EXPERIENCE: 15	YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE: 15

Brief Explanation of Responsibilities
Mr. Kelly has worked on many AML projects since joining ELR. His responsibilities have included drilling inspection, sampling of coal refuse materials, hydrology, hydraulics design of drainage structures, and development of regrading plans. Estimation of quantities developed estimated cost. Mr. Kelly is proficient with Auto Cadd. Mr. Kelly has performed layout and inspection of core drilling operations for bridge and roadway projects. In addition, he has designed cut slopes for large-scale roadway projects such as the US Route 52 Kermit Bypass in Mingo County, WV and Meadowbrook Road in Harrison County, WV.

EDUCATION (Degree, Year, Specialization)

B.S. Civil Engineering/1998/WVU

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS

REGISTRATION (Type, Year, State)

Engineer Intern, WV

13. PERSONAL HISTORY STATEMENT OF PRINCIPALS AND ASSOCIATES RESPONSIBLE FOR AML PROJECT DESIGN (Furnish complete data but keep to essentials)

NAME & TITLE (Last, First, Middle Int.) Timothy B. Cart, P.E.	YEARS OF EXPERIENCE		
	YEARS OF AML DESIGN EXPERIENCE: 31	YEARS OF AML RELATED DESIGN EXPERIENCE: 31	YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE: 24

Brief Explanation of Responsibilities
Mr. Cart has completed numerous mine reclamation projects under the AML program, including regrading of coal refuse materials, re-establishment of vegetation cover, disposal of acid producing materials, and developing methods for extinguishing burning materials and disposal of old mining structures. Designed passive AMD treatment systems. Conducted Phase I and Phase II Studies to determine if groundwater had been affected by pre-law mining. Mr. Cart has extensive experience in the design and construction management of waterline extension projects. Mr. Cart has recently completed water projects in Mingo; Kanawha; Putnam; and Cabell counties. Mr. Cart has performed geotechnical engineering calculations and designs for settlement analysis of dams and other embankments.

EDUCATION (Degree, Year, Specialization)

Bachelor of Science 1981 Civil Engineering

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS

REGISTRATION (Type, Year, State)

Professional Engineer WV OH

13. PERSONAL HISTORY STATEMENT OF PRINCIPALS AND ASSOCIATES **RESPONSIBLE FOR AML PROJECT DESIGN** (Furnish complete data but keep to essentials)

NAME & TITLE (Last, First, Middle Int.)	YEARS OF EXPERIENCE		
	YEARS OF AML DESIGN EXPERIENCE:	YEARS OF AML RELATED DESIGN EXPERIENCE:	YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE:
Mark McGettigan, P.E.	10	10	10

Brief Explanation of Responsibilities

Mr. McGettigan has worked on several AML projects since joining our firm. He has developed grading plans, cross sections, estimated and checked quantity calculations. He has also served as a field inspector for several waterline Projects designed by E. L. Robinson Engineering Co. He has been the lead designer on waterlines over the past five years.

Mr. McGettigan also has experience with surveying and equipment including; theodolites, levels, and total stations. He has also performed various concrete and soil tests and is certified on Troxler nuclear density gage.

EDUCATION (Degree, Year, Specialization)

B.S. Civil Engineering Technician/Fairmont State/1999

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS

REGISTRATION (Type, Year, State)

Professional Engineer WV

13. PERSONAL HISTORY STATEMENT OF PRINCIPALS AND ASSOCIATES **RESPONSIBLE FOR AML PROJECT DESIGN** (Furnish complete data but keep to essentials)

NAME & TITLE (Last, First, Middle Int.)	YEARS OF EXPERIENCE		
	YEARS OF AML DESIGN EXPERIENCE:	YEARS OF AML RELATED DESIGN EXPERIENCE:	YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE:
Randall L. Lackey, P.E.	1	10	1

Brief Explanation of Responsibilities

Mr. Lackey has performed hydraulics and scour for Ripley Town Bridge; Tallman Bridge; Meadowbrook Road Bridge; Simpson Creek Bridge; Kermit Bypass Bridge; Left Hand Fork Bridge; and Blennerhassett Bridge.

Mr. Lackey has also performed calculations for deck drainage; performed girder design and analysis; pier design and analysis; prepared design study reports; type, size and location reports and final plans on many of our Division of Highways projects.

EDUCATION (Degree, Year, Specialization)

B.S. Civil Engineering/1999

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS

REGISTRATION (Type, Year, State)

Professional Engineer WV

13. PERSONAL HISTORY STATEMENT OF PRINCIPALS AND ASSOCIATES **RESPONSIBLE FOR AML PROJECT DESIGN** (Furnish complete data but keep to essentials)

NAME & TITLE (Last, First, Middle Int.)	YEARS OF EXPERIENCE		
	YEARS OF AML DESIGN EXPERIENCE:	YEARS OF AML RELATED DESIGN EXPERIENCE:	YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE:
J. Todd Garnes	7	7	7

Brief Explanation of Responsibilities
 Mr. Garnes experience surveying and providing CADD Design for mine reclamation projects and waterline and sewer extrusions. He has provided construction inspection services for landsides and subsidence projects in Ohio. Mr. Garnes has performed numerous water feasibility studies, which involved interviews, water sampling and analysis, mapping, mine research, and development of final reports.

EDUCATION (Degree, Year, Specialization)
 A.S. Architectural Design/ 1999
 A.S. Computer Aided Drafting and Design/ 1999

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS	REGISTRATION (Type, Year, State)

13. PERSONAL HISTORY STATEMENT OF PRINCIPALS AND ASSOCIATES **RESPONSIBLE FOR AML PROJECT DESIGN** (Furnish complete data but keep to essentials)

NAME & TITLE (Last, First, Middle Int.)	YEARS OF EXPERIENCE		
	YEARS OF AML DESIGN EXPERIENCE:	YEARS OF AML RELATED DESIGN EXPERIENCE:	YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE:
Thomas Rayburn, P.S.		35	

Brief Explanation of Responsibilities
 Mr. Rayburn has experience in mine mapping and surveying, formulated short term and long range mining plans for all types of coal mining, designed mine drainage and water supply systems for underground and surface mines, designed mine ventilation plans and systems which include precision pressure quality surveys and computer simulation of ventilation systems. He has performed slope stability analysis and hydrology calculations, provides computer analysis for mining applications, work with leases and land management as well as reclamation and environmental permits. By utilizing "state of the art" electronic total stations and/or GPS (Satellite) equipment, he performs control surveys for aerial mapping and collects data and develops GIS for utility mapping. Mr. Rayburn has also performed surveying and mapping for large scale highway projects.

EDUCATION (Degree, Year, Specialization)
 A.S. Mechanical Engineering, WVIT/1970

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS	REGISTRATION (Type, Year, State)
	Professional Surveyor WV

13. PERSONAL HISTORY STATEMENT OF PRINCIPALS AND ASSOCIATES **RESPONSIBLE FOR AML PROJECT DESIGN** (Furnish complete data but keep to essentials)

NAME & TITLE (Last, First, Middle Int.)	YEARS OF EXPERIENCE		
	YEARS OF AML DESIGN EXPERIENCE:	YEARS OF AML RELATED DESIGN EXPERIENCE:	YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE:
Scott LeRose, P.E.	1	1	2

Brief Explanation of Responsibilities
 Mr. LeRose is experienced in developing major highway and right of way plans; Bridge Construction Inspections; Core Drilling Operations; Groundwater Sampling/Monitoring; UST Removal/Replacement and Mine Permitting/Reclamation. Specific major highway design and right of way plan development projects include: Meadowbrook Road, a 2 mile design of new four lane highway; US 52(I-73), a 3.5 mile design and ROW plans for a new four lane highway with two major interchanges; design of 2 mile section of Appalachian Corridor H from Davis to Bismark; design of 5.2 mile section of Corridor H from Grant/Hardy County line to Moorefield.

While working on these projects, he has gained experience in major drainage design, site grading design, utility relocation, MOT, signing and pavement stripping. He has performed quantity calculations for pavement, drainage, seeding, pollution control quantities, and other items associated with roadway plans. He is also experienced in the development of ROW plans, including deed plots and legal descriptions.

EDUCATION (Degree, Year, Specialization)

B.S. Civil Engineering/1997

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS

REGISTRATION (Type, Year, State)

Professional Engineer WV

13. PERSONAL HISTORY STATEMENT OF PRINCIPALS AND ASSOCIATES **RESPONSIBLE FOR AML PROJECT DESIGN** (Furnish complete data but keep to essentials)

NAME & TITLE (Last, First, Middle Int.)	YEARS OF EXPERIENCE		
	YEARS OF AML DESIGN EXPERIENCE:	YEARS OF AML RELATED DESIGN EXPERIENCE:	YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE:
Ray Tilley, P.E.		5	35

Brief Explanation of Responsibilities
 Mr. Tilley has over 30 years experience in water and wastewater design as a Project Manager/Engineer. In addition, Mr. Tilley is a certified Water Plant Operator. Mr. Tilley has successfully completed numerous waterline design projects over his career. His current duties include managing both water and wastewater design projects for ELR.

EDUCATION (Degree, Year, Specialization)

B.S. Civil Engineering/WV Tech 1975; M.S. Sanitary Engineering Virginia Tech, 1976

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS

REGISTRATION (Type, Year, State)

Professional Engineer WV

13. PERSONAL HISTORY STATEMENT OF PRINCIPALS AND ASSOCIATES **RESPONSIBLE FOR AML PROJECT DESIGN** (Furnish complete data but keep to essentials)

NAME & TITLE (Last, First, Middle Int.) James Eric Gwinn, E.I.	YEARS OF EXPERIENCE		
	YEARS OF AML DESIGN EXPERIENCE: 10	YEARS OF AML RELATED DESIGN EXPERIENCE: 10	YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE: 11

Brief Explanation of Responsibilities

Mr. Gwinn has experience in construction layout for waterline projects. He performs calculation and permit requirements. He has worked on the Cabell County Water Project and the raw water intake structure for the Fayette Plateau Regional Water Project. He has performed calculations on various AML project. Mr. Gwinn has designed approach slabs, decks and extensive detailing on several bridge projects.

EDUCATION (Degree, Year, Specialization)

B.S. Civil Engineering/1998/ West Virginia Institute of Technology

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS

REGISTRATION (Type, Year, State)

13. PERSONAL HISTORY STATEMENT OF PRINCIPALS AND ASSOCIATES **RESPONSIBLE FOR AML PROJECT DESIGN** (Furnish complete data but keep to essentials)

NAME & TITLE (Last, First, Middle Int.) Workman, Gary A., CADD Senior Technician	YEARS OF EXPERIENCE		
	YEARS OF AML DESIGN EXPERIENCE: 24	YEARS OF AML RELATED DESIGN EXPERIENCE: 24	YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE: 4

Brief Explanation of Responsibilities

Mr. Workman is responsible for CADD design on AML projects, as well as geotechnical soil analysis. He Worked on 44 WVDEP/AML projects while employed at Ackenheil, and has worked on 23 AML projects while at E. L. Robinson.

EDUCATION (Degree, Year, Specialization)

Technical School/1987/CADD

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS

REGISTRATION (Type, Year, State)

WVDOH certifications compaction, aggregates and concrete

13. PERSONAL HISTORY STATEMENT OF PRINCIPALS AND ASSOCIATES RESPONSIBLE FOR AML PROJECT DESIGN (Furnish complete data but keep to essentials)

NAME & TITLE (Last, First, Middle Int.) Mayes, Jason M.	YEARS OF EXPERIENCE		
	YEARS OF AML DESIGN EXPERIENCE: 2	YEARS OF AML RELATED DESIGN EXPERIENCE: 2	YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE: 2

Brief Explanation of Responsibilities

Provides CADD Design for site development, waterline and sewer extensions, and layout on AML Projects. Mr. Mayes has Nearly ten years experience in WV DOT design with a prior firm.

EDUCATION (Degree, Year, Specialization)

B.S. Industrial Technology 1997 WVU Tech
A.S. Drafting and Design 1996 WVU Tech

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS

REGISTRATION (Type, Year, State)

13. PERSONAL HISTORY STATEMENT OF PRINCIPALS AND ASSOCIATES RESPONSIBLE FOR AML PROJECT DESIGN (Furnish complete data but keep to essentials)

NAME & TITLE (Last, First, Middle Int.) Coberly, P.E. , Eric J.	YEARS OF EXPERIENCE		
	YEARS OF AML DESIGN EXPERIENCE: 31	YEARS OF AML RELATED DESIGN EXPERIENCE: 31	YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE: 15

Brief Explanation of Responsibilities

Mr. Coberly has performed AML Grant and Emergency project designs since 1984. Projects have included highwall backfill, refuse regarding, portals, mine drainage, subsidence, refuse and mine fire abatement. Mr. Coberly has participated in the design of over 100 such project while working for WVDEP or at ELR. Included in that total is over 30 emergency project designs completed in Ohio and West Virginia. Mr. Coberly has served in various capacities with the WV AML Program including construction and design administrator as well as the Chief of the Office. This involved the review of hundreds of additional projects in the 22 years spent with AML program

EDUCATION (Degree, Year, Specialization)

B.S. Engineering of Mines, 1983
M.S. Engineering of Mines, 1990

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS

REGISTRATION (Type, Year, State)

WV P.E 10619
Ohio P.E. 71562

13. PERSONAL HISTORY STATEMENT OF PRINCIPALS AND ASSOCIATES RESPONSIBLE FOR AML PROJECT DESIGN (Furnish complete data but keep to essentials)

NAME & TITLE (Last, First, Middle Int.)	YEARS OF EXPERIENCE		
	YEARS OF AML DESIGN EXPERIENCE:	YEARS OF AML RELATED DESIGN EXPERIENCE:	YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE:
Ryan Haws, EIT	0	7	0

Brief Explanation of Responsibilities

Mr. Haws is our Bridgeport Office Manager. He brings experience with commercial developments, drainage analysis, ADA compliance, storm water collection systems, and all aspects of subdivision planning and design. This includes engineering design and CADD experience. His work has also entailed communication and coordination with local municipalities to ensure seamless integration with existing infrastructure and development. Mr. Haws also draws from his experience in marketing, finance, and business development.

EDUCATION (Degree, Year, Specialization)

B.S. Civil Engineering, 2005
M.B.A. 2012

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS

ASCE

REGISTRATION (Type, Year, State)

Engineer-In-Training

13. PERSONAL HISTORY STATEMENT OF PRINCIPALS AND ASSOCIATES RESPONSIBLE FOR AML PROJECT DESIGN (Furnish complete data but keep to essentials)

NAME & TITLE (Last, First, Middle Int.)	YEARS OF EXPERIENCE		
	YEARS OF AML DESIGN EXPERIENCE:	YEARS OF AML RELATED DESIGN EXPERIENCE:	YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE:
Wendell Williams	0	15	5

Brief Explanation of Responsibilities

Mr. Williams has been employed with ELR since 1978, having over thirty-seven years of engineering and design experience. Mr. Williams has worked on over one hundred fifty WVDEP-AML project. He has been involved with every aspect of the process including initial site visits, ground control surveys, coordination of aerial photography, map editing and the submittal of final drawings.

EDUCATION (Degree, Year, Specialization)

A.A.S. CAD Technology, West Virginia State University, 1997
B.A. Board of Regents, West Virginia Institute of Technology, 1999

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS

REGISTRATION (Type, Year, State)

14. PROVIDE A LIST OF SOFTWARE AND EQUIPMENT AVAILABLE IN THE PRIMARY OFFICE WHICH WILL BE USED TO COMPLETE AML DESIGN SERVICES

Various computer hardware and software including: Microstation, InRoads, AutoCAD, ELRSoil, Microsoft Office applications, Haested, Water CADD, Culvert Master, Flow Master

Various surveying equipment:

Instruments - Topcon Total Station (6), Trimble Robotic DR200+ (2)

GPS Equipment - Trimble 5700 Receiver (6), Trimble TSCe Controller/Handheld (5)
*all equipment lists have various misc. survey equipment to go along (poles, tape measures, data collectors, etc.)

Riegl LMS - 360 3D Laser Scanner - surface imaging system based upon accurate distance measurement by means of electro-optical range measurement and a two axis scanning mechanism.

15. CURRENT ACTIVITIES ON WHICH YOUR FIRM IS THE DESIGNATED ENGINEER OF RECORD

PROJECT NAME, TYPE AND LOCATION	NAME AND ADDRESS OF OWNER	NATURE OF YOUR FIRM'S RESPONSIBILITY	ESTIMATED CONSTRUCTION COST	PERCENT COMPLETE
Red Warrior Gob & Slide Kanawha County	WVDEP/AML	Surveying, Drilling and Design	\$250,000	100
Glen Alum Complex Mingo County	WVDEP/AML	Surveying and Design	\$1,600,000	95
Carson One/Glady Upshur County	WVDEP/Special Rec	Surveying, Drilling and Design	\$2,500,000	95
Preston Energy/ Rockville/Viking Coal Special Rec Preston County	WVDEP/Special Rec	Surveying and Design	\$1,500,000	30
Squires Creek (Moats) Portal and Refuse Preston County	WVDEP/AML	Surveying, Drilling and Design	\$750,000	95
Marsh Run Portals Braxton County	WVDEP/AML	Surveying, Mapping and Design	\$967,050	100
Donnie Thorn HW Preston County	WVDEP/AML	Surveying, Mapping and Design	\$1,491,555	100

TOTAL NUMBER OF PROJECTS:

TOTAL ESTIMATED CONSTRUCTION COSTS: \$

15. CURRENT ACTIVITIES ON WHICH YOUR FIRM IS THE DESIGNATED ENGINEER OF RECORD

PROJECT NAME, TYPE AND LOCATION	NAME AND ADDRESS OF OWNER	NATURE OF YOUR FIRM'S RESPONSIBILITY	ESTIMATED CONSTRUCTION COST	PERCENT COMPLETE
Vickers Branch Drainage Logan County	WVDEP/AML&R	Surveying, Mapping and Design	\$444,575	100
Morgan HW Preston County	WVDEP/AML&R	Surveying, Mapping and Design	\$1,150,125	95
Sugarcamp Run Burning Refuse Nicholas County	WVDEP/AML&R	Surveying, Mapping and Design	\$6 M	100
Big Ugly Creek Waterline Extension	Logan County PSD 41 Armory Rd. Logan, WV 25601	Design and Construction Management	\$11 M	100
Phase III-A Sanitary Sewer Extension	Logan County PSD 41 Armory Rd. Logan, WV 25601	Design and Construction Management	\$ 9 M	90
Lower Mud River Waterline Extension	Lincoln County PSD 240 Lower Coal River Rd. Alum Creek, WV 25003	Design and Construction Management	\$7.9 M	60
McDowell PSD Jolo Phase V Water McDowell County	McDowell Public Service District	Design and Construction Management	\$ 2.4 M	20

TOTAL NUMBER OF PROJECTS:

TOTAL ESTIMATED CONSTRUCTION COSTS: \$

15. CURRENT ACTIVITIES ON WHICH YOUR FIRM IS THE DESIGNATED ENGINEER OF RECORD

PROJECT NAME, TYPE AND LOCATION	NAME AND ADDRESS OF OWNER	NATURE OF YOUR FIRM'S RESPONSIBILITY	ESTIMATED CONSTRUCTION COST	PERCENT COMPLETE
Martin Luther King Jr. Memorial Bridge Replacement	WV Dept. of Transportation Engineering Division Charleston, WV	Design and Construction Management	\$ 2.5 M	95
Jaeger Regional Sewer Project	McDowell County PSD HC 31 Box 436J Welch, WV	Design and Construction Management	\$ 5 M	50

TOTAL NUMBER OF PROJECTS:

TOTAL ESTIMATED CONSTRUCTION COSTS:

17. COMPLETED WORK WITHIN LAST 5 YEARS ON WHICH YOUR FIRM WAS THE DESIGNATED ENGINEER OF RECORD				
PROJECT NAME, TYPE AND LOCATION	NAME AND ADDRESS OF OWNER	ESTIMATED CONSTRUCTION COST	YEAR	CONSTRUCTED (YES OR NO)
Thorpe Refuse Pile McDowell County	WVDEP-AML Oak Hill, WV Mark Proctor	\$744,240	2011	Yes
Shinnston-Lumberport Subsidence Harrison County, WV	WVDEP-AML Philippi, WV Timothy LeMasters	\$442,000	2011	Yes
Corridor H Davis-Bismark X347-H-64.85 00 Tucker County	WV Dept. of Transportation Engineering Division Charleston, WV 25301 Attn: Gregory Bailey	\$15.5 M	2012	No
WVDEP-Emergency East Bank (Willis) Mine Blowout	WVDEP-AML 601 57 th Street Charleston, WV 25304	\$0.8 M	2009	Yes
Newtown (Kinder) Portals Mingo County	WVDEP-AML 601 57 th Street Charleston, WV 25304 Roger Earle	\$490,410	2010	Yes
Keaton Branch Complex Raleigh County	WVDEP-AML Oak Hill, WV Mark Proctor	\$527,250	2010	Yes
McQuain Brothers Bridge Kanawha County, WV	WV Dept. of Transportation Engineering Division Charleston, WV 25301	\$7.5 M	2011	Yes
Tuppers Creek - Pocatalico Bridges Kanawha County, WV	WV Dept. of Transportation Engineering Division Charleston, WV, 25301	\$11.0 M	2012	Yes

18. COMPLETED WORK WITHIN LAST 5 YEARS ON WHICH YOUR FIRM HAS BEEN A SUB-CONSULTANT TO OTHER FIRMS (INDICATE PHASE OF WORK FOR WHICH YOUR FIRM WAS RESPONSIBLE)

PROJECT NAME, TYPE AND LOCATION	NAME AND ADDRESS OF OWNER	ESTIMATED CONSTRUCTION COST OF YOUR FIRM'S PORTION	YEAR	CONSTRUCTED (YES OR NO)	FIRM ASSOCIATED WITH
Linmont Bridge Replacement Cabell County	WV Dept of Transportation Engineering Division Charleston, WV 25301	Bridge Design (VE)	2011	Yes	Paul's Concrete
Clothier Bridge Logan County	WV Dept of Transportation Engineering Division Charleston, WV 25301	Bridge Design (VE)	2011	Yes	Paul's Concrete
Market Street Bridge Brooks County, WV	WV Dept of Transportation Engineering Division Charleston, WV	Post Design Services	2011	Yes	Ahern & Assoc.
Leon Thru Girder Bridge Mason County, WV	WV Dept of Transportation Engineering Division Charleston, WV	Plans for Bridge (VE) Hydraulics Post Design	2010	Yes	Triton Construction
Holley Grove Bridge Kanawha County	WV Dept of Transportation Engineering Division Charleston, WV	\$500,000	2010	Yes	Triton Construction

19. Use this space to provide any additional information or description of resources supporting your firm's qualifications to perform work for the West Virginia Abandoned Mine Lands Program.
E. L. Robinson Engineering Co. is committed to the WVDEP/AML program to provide professional design, surveying and mapping and construction monitoring services in a timely and cost-efficient manner. Our business plan relies heavily on the work offered by the WVDEP/AML program.

20. The foregoing is a statement of facts.

Signature: _____ Title: PROJECT MANAGER

Printed Name: Eric J. Coberly, P.E.

Date:
November 3, 2015

NOTE: THIS DOCUMENT WILL BECOME VOID AFTER DECEMBER 31 IN CALENDAR YEAR OF DATE HEREON.

EXPERIENCE
ABANDONED MINE LANDS



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.

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.

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.

West Columbia "B"

Project Location: Mason County, West Virginia
Completion Date: July 2013
Client: WVDEP-AML, Charleston, WV
Project Description: Performed surveying, drilling and design for numerous mine portals.

EXPERIENCE
ABANDONED MINE LANDS



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.

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.

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.

North Matewan (Akers) Landslide

Project Location: Mingo County, West Virginia
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.

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.

EXPERIENCE
ABANDONED MINE LANDS



E.L. ROBINSON
ENGINEERING

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.

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.

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.

Dans Branch (Dillon) Landslide

Project Location: Mingo County, West Virginia
Completion Date: July 2015
Client: WVDEP-AML, Charleston, WV
Project Description: Performed surveying, drilling and emergency design for stabilizing landslide.

EXPERIENCE
ABANDONED MINE LANDS



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.

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.

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.

EXPERIENCE
ABANDONED MINE LANDS



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.

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.

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.

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.

EXPERIENCE
ABANDONED MINE LANDS



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.

EXPERIENCE
ABANDONED MINE LANDS



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: Scotttown, 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: Wellston, Ohio
Completion Date: 2007
Client: ODNR-AML, Columbus, OH
Project Description: Performed site survey and prepared subsidence abatement design.

EXPERIENCE
ABANDONED MINE LANDS



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.

EXPERIENCE
ABANDONED MINE LANDS



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.

EXPERIENCE
ABANDONED MINE LANDS



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.

EXPERIENCE
ABANDONED MINE LANDS



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.

EXPERIENCE
ABANDONED MINE LANDS



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.

Fickey Run

Project Location: Preston County, West Virginia
Completion Date: 1999
Client: WVDEP-AML
Project Description: Performed surveying and design for refuse and spoil regrading and drainage control.

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.

EXPERIENCE
ABANDONED MINE LANDS



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.

Brown's Creek #10 Reclamation Project

Project Location: McDowell County, West Virginia

Completion Date: 1997

Client: WVDEP-AML

Project Description: Performed surveying and design for refuse regrading and mine seal installation.

Indian Creek Bridge/CR 3/25 Over Big Coal River

Year: 1999

Client: West Virginia Department of Transportation

Description: Prepared an analysis of the hydraulic impact of the Indian Creek Replacement Bridge over the Big Coal River and prepared the appropriate hydraulic and scour reports. E. L. Robinson Engineering's survey unit developed the cross sections and mapping that were utilized in the analysis process. Computer modeling was prepared using the USACE 1-D HEC-2 program and the FHWA WSPRO program.

Tallman Bridge/CR 24 Over Middle Island Creek

Year: 1999

Client: West Virginia Department of Transportation

Description: Prepared an analysis of the hydraulic impact of the replacement Tallman Bridge over Middle Island Creek and prepared the appropriate hydraulics and scour reports. E. L. Robinson Engineering's survey unit developed the cross sections and mapping that were utilized in the analysis process. Computer modeling was prepared using the USACE 1-D HEC-RAS program.

Meadowbrook Road Bridge/CR 24 Over West Fork River

Year: 1999

Client: West Virginia Department of Transportation

Description: Prepared an analysis of the hydraulic impact of the new Meadowbrook Road Bridge over the West Fork River and prepared the appropriate hydraulics and scour reports. E. L. Robinson Engineering's survey unit developed the cross sections and mapping that were utilized in the analysis process and the Harrison County Flood Insurance Study model of the West Fork River was also used. Computer modeling was prepared using the USACE 1-D HEC-RAS program.

Prepared Section 404 permitting documents outlining the effects temporary sheet piling, which would be used during the construction phase, would have on the outlying areas upstream of the projects.

Lower Gassaway Bridge/WV 4 Over Elk River

Year: 1999

Client: West Virginia Department of Transportation

Description: Prepared an analysis of the hydraulic impact of the Lower Gassaway Replacement Bridge over the Elk River and prepared the appropriate hydraulic and scour reports. E. L. Robinson Engineering's survey unit developed the cross sections and mapping that were utilized in the analysis process. Computer modeling was prepared using the USACE 1-D HEC-2 program and the FHWA WSPRO program.

EXPERIENCE 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
- Veterans Park

EXPERIENCE 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

EDWARD L. ROBINSON, P.E., P.S.
PRESIDENT



Education

M.S. Civil Engineering, University of West Virginia
College of Graduate Studies, 1981

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

Registrations

Registered Professional Engineer in West Virginia, Kentucky, Ohio, Florida, Virginia, and North Carolina

Registered Professional Surveyor in West Virginia

Professional Experience

Mr. Robinson founded E. L. Robinson Engineering 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 added infrastructure, 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 135 engineers, 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 PSD

President of West Virginia Council of Consulting Engineers

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



EDWARD L. ROBINSON, P.E., P.S.
(CONTINUED)



Assistant Treasurer of the American Society of Civil Engineers
National Director of the ASCE representing WV, NC, SC and VA
President of West Virginia Section of ASCE

Honors Awarded

Alumnus of the Year – West Virginia University Institute of Technology, 1992
Engineer of the Year – West Virginia Society of Professional Engineers, 1997
Engineer of the Year – American Society of Civil Engineers, 1998
National Entrepreneur of the Year Finalist – Ernst & Young, 2001
Engineering Entrepreneur of the Year – Ernst & Young, 2001
Honorary PhD, Doctor of Science – West Virginia Institute of Technology 2002

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.

Mr. Coberly served as the Chief for the West Virginia Department of Environmental Protection Abandoned Mine Lands Division for more than 4 years. In this position, he was responsible for managing and directing the operations of the Abandoned Mine Lands Office. This program is responsible for reclaiming lands damaged due to coal mining that occurred prior to 1977. The Office investigates, plans, designs, bids and oversees construction projects reclaiming these abandoned mines. The budget for the Office is approximately \$66 Million with a staff of nearly 60 employees.

Mr. Coberly has managed projects with ELR which have involved site development, infrastructure planning, water, sewer, geotechnical analysis, abandoned mine reclamation projects, building construction, active surface mining projects, insurance investigations, providing expert witness services and various post mining land use projects.

Mr. Coberly has participated in well over 100 AML project designs.

Representative Projects

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

- Over 100 West Virginia Department of Environmental Protection Abandoned Mine Lands reclamation projects
- 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

TIM CART, P.E.
GEOTECHNICAL/STRUCTURAL ENGINEER



Education

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

Registrations

Registered Professional Engineer West Virginia (1986)

Registered Professional Surveyor in West Virginia (1995)



Professional Memberships

American Society of Civil Engineers (ASCE)

Professional Experience

Mr. Cart has over 35 years of experience in providing consulting engineering services. Clients served have included industrial, public and private institutions and State and Federal Agencies. He has served as project manager, project engineer and lead geotechnical investigator on numerous geotechnical projects including highways, bridges, industrial sites, buildings and various developments. He has also designed numerous sites for commercial retail including drug store sites, hotels, restaurants, 911 centers, regional bus garages, public service district maintenance facilities, gas station commercial sites, banks, etc.

Representative Projects

Mr. Cart has completed numerous geotechnical projects including the following:

- Lavalette Widening Project
- Camp Creek Bridge
- Corridor H - Kerens to Parsons Design Build
- Corridor H - Davis to Bismark
- 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
- WVDOH District 2 FEMA Emergency Landslides (35 Projects)
- WVDOH District 1 FEMA Emergency Landslides (9 Projects)

Mr. Cart has completed numerous structural projects including the following:

- Mason County 911 Center and Garage
- Putnam County 911 Center and Maintenance Garage
- Mingo County 911 Center
- Wetzel County 911 Center
- Mingo County Wood Park Industrial Park
- Upshur County Industrial Park
- Earl Ray Tomblin Industrial Park
- Putnam County Industrial Park
- Walgreens - Cross Lanes, WV
- TGI Fridays - Cross Lanes, WV
- Saturn - Hurricane, WV
- Hurricane Chevrolet - Hurricane, WV
- 7-11 Shell Gas Station - South Charleston, WV
- Hatfield McCoy Trail Head Office - Lincoln County, WV
- Bank of Mingo - Belo, WV

Mark McGettigan, P.E.
Project Engineer



Education

M.S.E. Engineering Management/Environmental Engineering,
Marshall University December 2007

B.S. Civil Engineering Technology, Fairmont State College, 1999

Registrations

Registered Professional Engineer in West Virginia

Professional Experience

Mr. McGettigan has worked on numerous land development and commercial building construction projects during his 18 years with E. L. Robinson Engineering. His duties on these projects varied from procuring all necessary permits to designing potable water, sanitary sewer and storm sewer connections to development lots and commercial properties.

Mr. McGettigan has also been project manager for numerous water and wastewater projects throughout West Virginia. He has secured the funding, designed, obtained permits and managed the construction for numerous water and sanitary sewer projects throughout southern West Virginia totaling well over \$60,000,000. Further, he has successfully worked on or managed numerous Phase I and Phase II ground water quality investigations and feasibility studies and reclamation projects for the West Virginia Department of Environmental Protection Abandoned Mine Lands program.

Professional Memberships

American Society of Civil Engineers

Representative Projects

Mr. McGettigan has been the construction manager/engineer on the following projects:

Charles Pointe – North Landbay Phase I Infrastructure Project – Mr. McGettigan developed the bid documents and technical specifications for this commercial development project. He also conducted the bidding process and performed all other administration duties for this project. Mr. McGettigan managed the construction inspection and drafted change orders to construct additional infrastructure with excess funds.

Charles Pointe – South Landbay Phase I Infrastructure Project - Mr. McGettigan developed the bid documents and technical specifications for this commercial development project. He also conducted the bidding process and performed all other administration duties for this project. Mr. McGettigan managed the construction inspection and drafted change orders to construct additional infrastructure with available excess funds.

Charles Pointe – West Fork Watershed Improvement Project - Mr. McGettigan developed the bid documents and technical specifications for this stormwater detention project associated with the commercial development of the



Mark McGettigan, P.E.
(continued)



Genesis Partners, LLC Property. He also conducted the bidding process and performed all other administration duties for this project. Mr. McGettigan managed the project construction inspection through closeout of the project.

Mr. McGettigan has also worked on all phases of numerous commercial site development projects throughout West Virginia. These projects range from industrial parks to hotels, restaurants, banks and maintenance facilities.

All of these projects required stormwater analysis, NPDES construction stormwater permits and temporary/permanent stormwater detention facilities. Mr. McGettigan calculated the pre-development and post-development discharges, time of concentration and required storage capacities on these projects.

Mr. McGettigan has also worked on numerous West Virginia Department of Environmental Protection - Abandoned Mine Land (WVDEP-AML) projects. Mr. McGettigan also calculated the pre-development and post-development discharges and designed the discharge channels/culverts for these projects. Mr. McGettigan uses a variety of software for drainage calculations including TR-55 and StormCAD

Education

M.S. Geography, Marshall University, 1994

B.S. Geology, Marshall University, 1977

Registrations

Registered Professional Geologist in Virginia and Kentucky

Professional Memberships

Geological Society of America and Association of Engineering Geologist

Professional Experience

Mr. Watts has 40 years of experience in providing consulting services as a senior geologist. He has also served as project manager on numerous projects.

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

Mr. Watts' AML experience includes over 100 projects spanning more than 33 years. He has served as both Project Manager and Designer for these projects. Further, he is proficient in field reconnaissance and drilling.

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

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

Representative Projects

- Huntington Mall, Barboursville, WV
- Best Buy, Barboursville, WV
- Fiesta Bravo Restaurant, Barboursville, WV
- McDonalds, Gilbert, WV
- Numerous Cell Phone Towers Cites

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

Education

B.S. Civil Engineering, West Virginia University, 1998

Designing Skills

Auto CAD, Microstation, COM624-P, Inroads, Hec-Ras, and ELRSoil

Professional Experience

Mr. Kelly has more than 19 years of experience as an engineer and principal production person for numerous mine reclamation projects in West Virginia, Ohio and Maryland. He has experience specifically in the design of several abandoned mine land reclamation projects. These projects include large refuse pile grading, hydraulic calculations, design of drainage structures, retaining wall design, permitting (including NPDES, USACOE, Highway Department), and construction cost estimates. Mr. Kelly has assisted in the completion of waterline feasibility studies in various areas. Further, he has worked on waterline extensions and sewer collection systems including providing service to many residential as well as industrial customers.



Representative Projects

Mr. Kelly has vast experience in numerous arenas of civil engineering including site development, mine land reclamation, water and sewer extensions, and roadway design.

Specific AML Accomplishments:

WVDEP Mine Reclamation:

Dunloup Creek Complex

Jacobs Fork

Bull Run #27

Gilmer B

Thorpe Refuse

Rhodell Refuse

Milam Ridge Refuse

Brownston Landslide

Abney Refuse

Gordon C Refuse

West Columbia B

East Bank Emergency

ODNR Mine Reclamation:

Lewis Landslide

Titus

Gouge Landslide

Eskew Subsidence

Athens Burning Refuse

Phalan Landslide

Jefferson Route 26 Landslide

Water and Sewer:

Cooper's Rock Waterline

Davis Water Tank

Rohr Road Waterline

Education

Auto CAD, Carver Career Center, 1986

Designing Skills

Auto CAD, Microstation, Inroads, and Hec-Ras

Professional Experience

Mr. Workman has more than 31 years of experience as an Auto CAD designer with an emphasis on infrastructure and mine reclamation projects. He has experience specifically in the design of several abandoned mine land reclamation projects. These projects include large refuse pile grading, design of drainage structures, retaining wall design, permitting (including NPDES, USACOE, Highway Department), and construction cost estimates. Additionally, Mr. Workman has assisted in the completion of waterline feasibility studies in various areas. Mr. Workman has worked on waterline extensions and sewer collection systems that have provided service to many residential and industrial customers.



Representative Projects

Mr. Workman has vast experience in numerous arenas of civil engineering including site development, mine land reclamation, water and sewer extensions, and roadway design. The following is an overview of prior experience:

- | | |
|-------------------------|---------------------------|
| WVDEP Mine Reclamation: | McGraws Shaft |
| Dunloup Creek Complex | Barkers Ridge Water Study |
| Fayette Water Studies | Covel Water Study |
| Gooney Otter | Otsego Water Study |
| Gilmer B | Waterline Projects: |
| Glen Rogers Emergency | Barkers Ridge |
| Marsh Run | Covel |
| Milam Ridge Refuse | Otsego |
| Brownnton Landslide | Big Hearts Creek |
| Abney Refuse | Marsh Fork |
| Gordon C Refuse | |
| West Columbia B | |
| East Bank Emergency | |

Education

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

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

Computer Skills

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



Professional Experience

Mr. Garnes has more than 19 years of experience as a civil draftsman and designer. He is proficient in numerous drafting and mapping software platforms. His proficiency spans multiple areas such as Civil 3D, GIS, construction inspection, waterline planning and design, sanitary sewer planning and design, site development, cathodic protection planning, county-wide planning, infrastructure cataloging, and document preparation.

Representative Projects

WVDOH:

- City of Charleston - Lee Street Sidewalk Enhancements
- Town of Davis - Tucker County Rocks 2014

Village of Rio Grande Wastewater System Improvements and Wastewater Treatment Plant

Camp Caesar Infrastructure Improvements Project

Doddridge County PSD 2015 County Wide Water Study

Pocahontas County PSD

- Cheat Mountain Water Acquisition
- Dominion Waterline Extension

Village of Cadiz Water System Improvements Project

WVDNR:

- Watoga State Park Wastewater Treatment Plant Replacement Project
- North Bend State Park Waterline Extension
- Greenbrier State Forest Waterline Extension

Bluefield Commercialization Station

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 Improvements

GIS – Marshall County 10 Year Comprehensive Water and Sewer Study

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 PSD McCorkle Railroad Crossing

Lincoln EDA Lower Mud River Waterline Extension

Queen Shoals PSD Waterline Extension

Town of Chapmanville Water Upgrade Project

West Virginia American Water:

- Sanderson/Dutch Ridge Waterline Extension
- Miller Mountain Waterline Extension
- Upper Winifrede Waterline Extension

Mingo County Redevelopment Authority:

- King Coal Highway Water and Sewer Project
- Mingo Central High School Water and Sewer Project
- Mingo County Airport Water and Sewer Project

Putnam County Business Park Utilities Extension Project

Norton Harding Jimtown PSD Scott Run/Findley Road Waterline Extension Project

Town of Matewan Red Jacket Sanitary Sewer Upgrade Project

South Charleston Sanitary PSD Corridor G Sanitary Sewer Study

J. TOM RAYBURN, P.S.
SURVEYING MANAGER



Education

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

Registrations

Registered Professional Surveyor in West Virginia

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 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.

Representative Projects

Design Surveys:

Corridor H (WVDOT) Hardy County, WV: Lead Surveyor for Design Surveys, Right of Way Staking, etc. for approximately 11 miles of Corridor H in Hardy County, WV. This was for Sections 6 & 7 of Corridor H, both Sections of which are now under construction. Estimated construction cost of \$150 million dollars.

WV Route 10 (WVDOT) Logan to Man WV, Logan County, WV: Lead Surveyor for Design Surveys for a section approximately five miles in length from Man, WV, to Rita, WV, including the Man Bridge. Also provided control surveying for the entire project length of approximately 12 miles. The approximate five miles section of roadway is now under construction at an estimated cost of \$51 million dollars.

Blennerhassett Bridge, Corridor D (WVDOT), Wood County, WV: Lead Surveyor for Design Surveys for this landmark Bridge Project which is now under construction at an estimated cost of \$120 million dollars.

James Ramsey Bridge (WVDOT) Potomac River, Shepardstown, WV: Lead Surveyor for Design Surveys for this Bridge Project which is now completed at an estimated cost \$15.5 million dollars. This project involved working in an environmentally historic area, which adjoined a National Park.

US Route 35 (WVDOT) Mason County, WV: Lead Surveyor for Design Surveys for two Design Sections each approximately 2.5 miles in length from Lower Five Mile Road to Upper Nine Mile Road. Also provided control surveying for the entire US 35 design project length of approximately 22 miles.

I64/US 35 (WVDOT) I64 to US 34 Crooked Creek, Putnam County, WV: Lead Surveyor for Design Surveys, Right of Way Staking, etc. for approximately four miles of US 35 including Interstate 64 Ramps and Flyovers in Putnam County, WV. This included the I64 Bridges and Flyovers, which is now under construction.

ATB-Parrish Road (ODOT) Ashtabula County, Ohio: Project Design Surveyor for rail grade separation project. Project involved roadway realignment, 900' new bridge, new waterline, storm and sanitary sewers. Project is currently under construction. Estimated construction cost: \$8.6 million.

PIC-23-3.21 and Various (ODOT) Pickaway County, Ohio: Project Design Surveyor for ODOT Project PIC-23-3.21 and Various. Project involves deck replacements along 11 miles of US 23 in Pickaway County. Project includes large diameter culvert liner, interchange upgrade that includes mainline profile correction, ramp reconstruction, and addition of barrier wall and storm drainage. Project is currently under design (90%). Project scheduled for construction in 2007. Estimated construction cost: \$12 million.

ATB-90-22.06 (ODOT) Ashtabula County, Ohio: Project Design Surveyor for Interstate Reconstruction Project. Project includes total pavement replacement, bridge widening, and contra - crossover maintenance of traffic, culvert replacements and storm sewer rehabilitation and sign replacements. Project is currently under design (50%) and scheduled for construction in 2011. Estimated construction cost: \$36 million.

Construction Surveys:

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

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.

J. TOM RAYBURN, P.S.
(CONTINUED)



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.

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.

Education

High School Diploma, Sissonville High School, 1978

Professional Experience

Mr. Williams has been employed at ELR since 1978. Mr. Williams has had primary responsibility for the inspection of water, wastewater, and gas line construction and drilling projects.

Waterline projects he has inspected include: Cooper's Creek, Oak Hill, Uneeda/Quinland, Town of Danville, Southern PSC, South Putnam PSD, Kanawha Orchard PSD, Webster County Commission, Kanawha County's 1997 Water Extension projects and most recently RDA 1999 water extension projects.

He has also inspected the construction of sanitary sewer installation for the City of Charleston, Greater St. Albans PSD and South Putnam PSD.

Mr. Williams has inspected the construction of storm sewers for the City of Charleston and the City of Parkersburg. He has also inspected the relocation of gas lines for the Southern PSC and Consumer's Gas.

Mr. Williams has been involved both as a surveyor and inspector on all major projects performed by ELR. Mr. Williams has performed extensive courthouse research on numerous survey projects and is responsible for the field work associated with the AML projects.

Representative Projects

Sewer Installation for the Town of Delbarton

Sewer Installation for the City of Gilbert

Sewer Installation for the City of Weston

Highway Construction Inspection on Corridor D in Parkersburg, WV

Construction of water and sewer lines for South Putnam PSD on Teays Valley RD+1 and 34 Widening in Scott Depot

Inspected replacement of sewage treatment plant at Holly River State Park

Inspected construction of a storm sewers in Charleston and Parkersburg

Inspected relocations of gas and waterlines for Southern PSD for the construction of U.S. 119 in Holden

Inspected relocation of gas lines for Consumers Gas on Docks Creek, Whites Creek and Harrisville

ARL AND RELATED PROJECT EXPERIENCE MATRIX

PROJECT	Experience Basis Corporate-C Personal-P	Additional Information in Section	PROJECT EXPERIENCE														Primary Staff Participation								
			Abandoned Surface Mine Reclamation	Abandoned Deep Mine Reclamation	Portal/Shaft Closure	Hydrological/Hydraulic Design/Eval	Remining Evaluation	Mine/Refuse Fire Abatement	Subsidence Investigation Mitigation	Hazardous Waste Disposal	Project Specifications	Water Quality Evaluation/Mitigation/Replacement	Construction Inspector/Management	Water Treatment	Equipment/Structure Removal	Stream Restoration	Geotechnical/Stability	Ed Robinson, P.E.	Eric Cobery	Tim Cart, P.E.	Richard W. Watts, P.G.	Mark McGettigan, P.E.	John Kelly, E.I.	Scott A. Pratt, Geologist	Gary A. Workman, CADD
Orchard Branch	P	1994	X	X	X	X	X																		
Beckley Layne	P	1994		X	X	X	X				X	X				X									
Quinwood Booth	P	1994		X	X	X	X				X	X				X									
Little Fork	P	1983	X	X	X	X	X			X		X													
Elkridge Refuse	P	1984	X	X	X	X	X	X			X				X										
Lando Mines	P	1984	X	X	X	X	X	X			X				X										
West Varney	P	1984		X	X	X	X	X			X				X										
Bethel Portals	P	1985		X	X	X	X				X				X										
Mammoth Landslide	P	1985				X					X				X										
Cheyenne	P	1985	X			X					X				X										
Mudlick A Landslide	P	1985	X		X	X					X	X			X										
Nelson Landslide	P	1985	X	X		X					X	X			X										
Mudlick B Refuse	P	1985	X	X	X	X	X				X				X										
Bluff Mountain	P	1985	X	X	X	X	X				X				X										
Montgomery Drainage	P	1986		X	X	X	X				X	X			X										
Waycross Drainage	P	1986		X	X	X	X				X				X										
Ridgeview A & B	P	1987	X	X	X	X	X	X			X	X			X										
Tupper Valley	P	1987	X	X	X	X	X				X	X			X										
Alport Bottom	P	1987		X	X	X	X				X	X			X										
Merilla Creek	P	1987	X	X	X	X	X				X	X			X										
McAlpin	P	2009									X	X			X										
Robey	P	2009	X	X	X	X					X				X										
Katy Lick	P	2009	X								X				X										
Clear Fork	C	2009				X					X														
Coal Mountain	C	2009									X														
Neugatuck/East Kermit	C	2009									X														
Prenter	P	2008									X														
Henover	P	2009									X														
Lower Dempsey	P	2009		X	X	X					X														
Island Creek #18	C	2009		X	X	X					X				X										
Brownston Landslide	C	2009		X	X	X					X	X			X										
East Bank Emergency	C	2009									X	X			X										
Duntoup Creek	C	2010	X	X	X	X																			
Olsego/Pierpoint/Maben	C	2010									X	X			X										
Barkers Ridge/Basin	C	2010									X														
Hemdon/Covel/Garwood	C	2010									X														
Bud/Alpoca/Mill Branch	C	2010									X														
Keystone (Aveny)	C	2010									X														
Keystone (Emergency)	C	2010																							
Cane Branch	C	2010																							
Spy Rock/Edmond/ Flanagan Mountain	C	2010									X														
Wilderness PSD	C	2010									X														
Gordon C	C	2010										X													
Keston Branch	C	2010		X	X	X					X														
Vener Grimmitt Burning Refuse	C	2010								X															
Shilinston-Lumberport	C	2011									X														
Newtown-Kinder	C	2011		X	X	X			X		X														
Dan's Branch Emergency	C	2011		X	X	X					X														



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: 425927

Doc Description: Addendum No.01 EO1 - Pine Bluff (Wilson) Refuse - EPAM16038

Proc Type: Central Purchase Order

Date Issued	Solicitation Closes	Solicitation No	Version
2018-06-07	2018-07-10 13:30:00	CEOI 0313 DEP1800000004	2

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

Vendor Name, Address and Telephone Number:

FOR INFORMATION CONTACT THE BUYER

Brittany E Ingraham
 (304) 558-2157
 brittany.e.ingraham@wv.gov

Signature X

FEIN #

550594633

DATE

7/10/18

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.

(Name, Title)

ERIC J. COBERLY, PROJECT MANAGER

(Printed Name and Title)

5088 WASHINGTON ST WEST CHARLESTON, WV 25313

(Address)

304 776-7473 304 776-6426

(Phone Number) / (Fax Number)

ecoberly@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.

E.L. ROBINSON ENGINEERING

(Company)

 PROJECT MANAGER

(Authorized Signature) (Representative Name, Title)

ERIC COBERLY, PROJECT MANAGER

(Printed Name and Title of Authorized Representative)

6-7-18

(Date)

304 776-7473 304 776-6426

(Phone Number) (Fax Number)

Addendum

Addendum No.01 issued to publish and distribute the attached information to the vendor community.

**Expression of Interest
(DEP Pine Bluff (Wilson) Refuse Project)**

The West Virginia Purchasing Division is soliciting Expression(s) of Interest for the Agency, The Department of Environmental Protection (WVDEP) from qualified firms to provide engineering services and other related professional services per the bid requirements, specifications, and terms and conditions as attached hereto.

* Online submission of Expression of Interest are Prohibited.*

		SHIP TO	
ENVIRONMENTAL PROTECTION OFFICE OF AML&R 601 57TH ST SE CHARLESTON US	WV25304	ENVIRONMENTAL PROTECTION OFFICE OF AML&R 601 57TH ST SE CHARLESTON US	WV 25304

Line	Comm Ln Desc	Qty	Unit Issue
1	EOI Engineering Design Services		

Comm Code	Manufacturer	Specification	Model #
81100000			

Extended Description :

*Dates of Service are estimated for bidding purposes only.

SOLICITATION NUMBER: CEOI DEP1800000004
Addendum Number: No.01

The purpose of this addendum is to modify the solicitation identified as ("Solicitation") to reflect the change(s) identified and described below.

Applicable Addendum Category:

- | Modify bid opening date and time
- | Modify specifications of product or service being sought
- | Attachment of vendor questions and responses
- | Attachment of pre-bid sign-in sheet
- | Correction of error
- | Other

Description of Modification to Solicitation:

Addendum issued to publish and distribute the attached documentation to the vendor community.

THE PURPOSE OF THIS ADDENDUM IS TO CHANGE THE FOLLOWING:

Question Deadline: WAS 06/05/2018 at 9 AM EST, IS NOW 06/28/2018 at 9 AM EST
Bid Opening Date: WAS 06/12/2018 at 1:30 PM EST, IS NOW 07/10/2018 at 1:30 PM EST
Buyer: WAS Guy Nisbet, IS NOW Brittany Ingraham

Email: Brittany.E.Ingraham@wv.gov

No other changes.

Additional Documentation: Documentation related to this Addendum (if any) has been included herewith as Attachment A and is specifically incorporated herein by reference.

Terms and Conditions:

1. All provisions of the Solicitation and other addenda not modified herein shall remain in full force and effect.
2. Vendor should acknowledge receipt of all addenda issued for this Solicitation by completing an Addendum Acknowledgment, a copy of which is included herewith. Failure to acknowledge addenda may result in bid disqualification. The addendum acknowledgement should be submitted with the bid to expedite document processing.

ADDENDUM ACKNOWLEDGEMENT FORM
SOLICITATION NO.: _____

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

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

Addendum Numbers Received:

(Check the box next to each addendum received)

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

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

E.L. ROBINSON ENGINEERING

Company


Authorized Signature

7/10/18
Date

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

Revised 6/8/2012

West Virginia Ethics Commission
Disclosure of Interested Parties to Contracts

(Required by W. Va. Code § 6D-1-2)

Contracting Business Entity: E.L. Robinson ENG Address: 5088 WASH WGTN ST WEST
CHARLESTON, WV 25313

Authorized Agent: ERIC COBERLY Address: _____

Contract Number: _____ Contract Description: PINE BLUFF (WILSON) REFUSE

Governmental agency awarding contract: WVDEP - AML

Check here if this is a Supplemental Disclosure

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

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

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

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

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

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

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

Signature: [Signature] Date Signed: 6-7-18

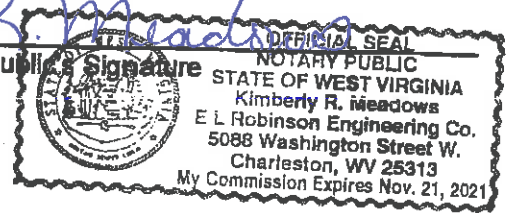
Notary Verification

State of West Virginia, County of Kanawha:

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

Taken, sworn to and subscribed before me this 7 day of June, 2018.

Kimberly R. Meadows
Notary Public



To be completed by State Agency:

Date Received by State Agency: _____

Date submitted to Ethics Commission: _____

Governmental agency submitting Disclosure: _____

STATE OF WEST VIRGINIA
Purchasing Division

PURCHASING AFFIDAVIT

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

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

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

DEFINITIONS:

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

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

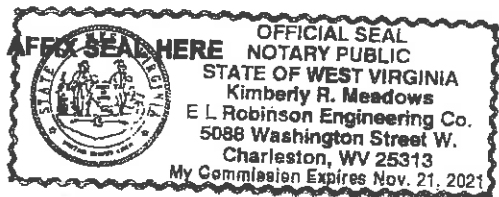
"Related party" means a party, whether an individual, corporation, partnership, association, limited liability company or any other form or business association or other entity whatsoever, related to any vendor by blood, marriage, ownership or contract through which the party has a relationship of ownership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

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

WITNESS THE FOLLOWING SIGNATURE:

Vendor's Name: E.L. ROBINSON ENGINEERING
Authorized Signature: [Signature] Date: 6-7-18
State of West Virginia
County of Kanawha, to-wit:

Taken, subscribed, and sworn to before me this 7 day of June, 2018
My Commission expires November 21, 2021.



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