

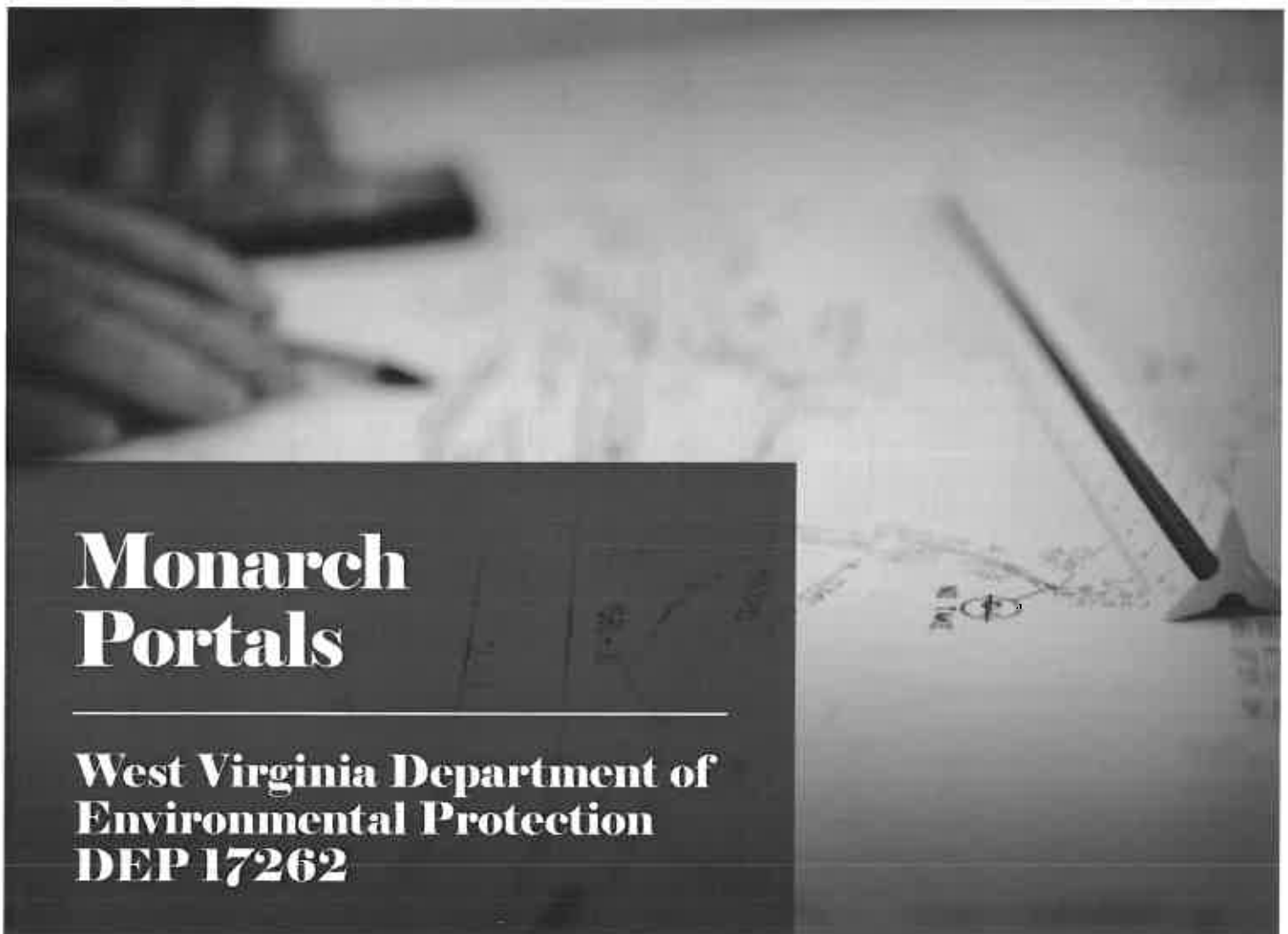
ORIGINAL



E.L. ROBINSON
ENGINEERING

Statement of Qualifications

SEPTEMBER 23, 2015



**Monarch
Portals**

**West Virginia Department of
Environmental Protection
DEP 17262**

09/21/15 15:28:28
WV Purchasing Division

ESTABLISHED EXPERIENCE. PROVEN PERFORMANCE.

T: 304.776.7473
F: 304.776.6426

5088 Washington Street, West
Charleston, WV 25313

elrobinsonengineering.com



September 23, 2015

West Virginia Department of Environmental Protection
Office of AML & R
601 57th Street, SE
Charleston, WV 25304

Attn: Robert Rice, Chief

Re: Monarch Portals
DEP17262
Expression of Interest

Dear Mr. Rice:

E. L. Robinson Engineering Co. (ELR) is pleased to submit this proposal in response to your request to perform professional engineering design services, and construction monitoring services associated with the design of the Monarch Portals project located in Kanawha County.

We have completed plans and specifications for numerous reclamation and waterline projects for WVDEP/AML for nearly 20 years. In addition, we have completed numerous projects with ODNR. We have descriptions of these projects in the attached proposal. Please note that all of the staff that worked 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, one (1) Landscape architect, 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 130 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,
E. L. Robinson Engineering Co.
By:

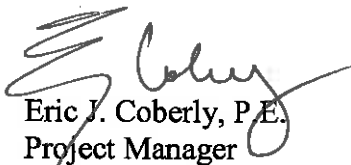

Eric J. Coberly, P.E.
Project Manager

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For nearly 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 Monarch Portals 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.

E.L. Robinson Engineering has more than 130 professionals on staff and 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.

E.L. Robinson is familiar with the Monarch Portals 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 and bat gate mine seals, small slide/erosion area, 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
- Other services that may be required

Project Team



Our firm has put together a project team that is experienced in the design and construction of mine reclamation projects and has the capacity to perform the project's scope in a timely and efficient manner.

Mr. Eric Coberly, P.E. will be assigned as the Project Manager. Mr. Coberly has 30 years of experience in the field of engineering. He was recently 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. Rich Watts, P.G. will be assigned as the Project Geologist, and will assist in design and quality control. Mr. Watts has more than 38 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 be assigned as a CADD Designer and principal production person for the project. He has performed this role for numerous prior and current mine reclamation projects.

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 over 15 years of experience as a project engineer and manager including many waterline feasibility studies for the WVDEP.

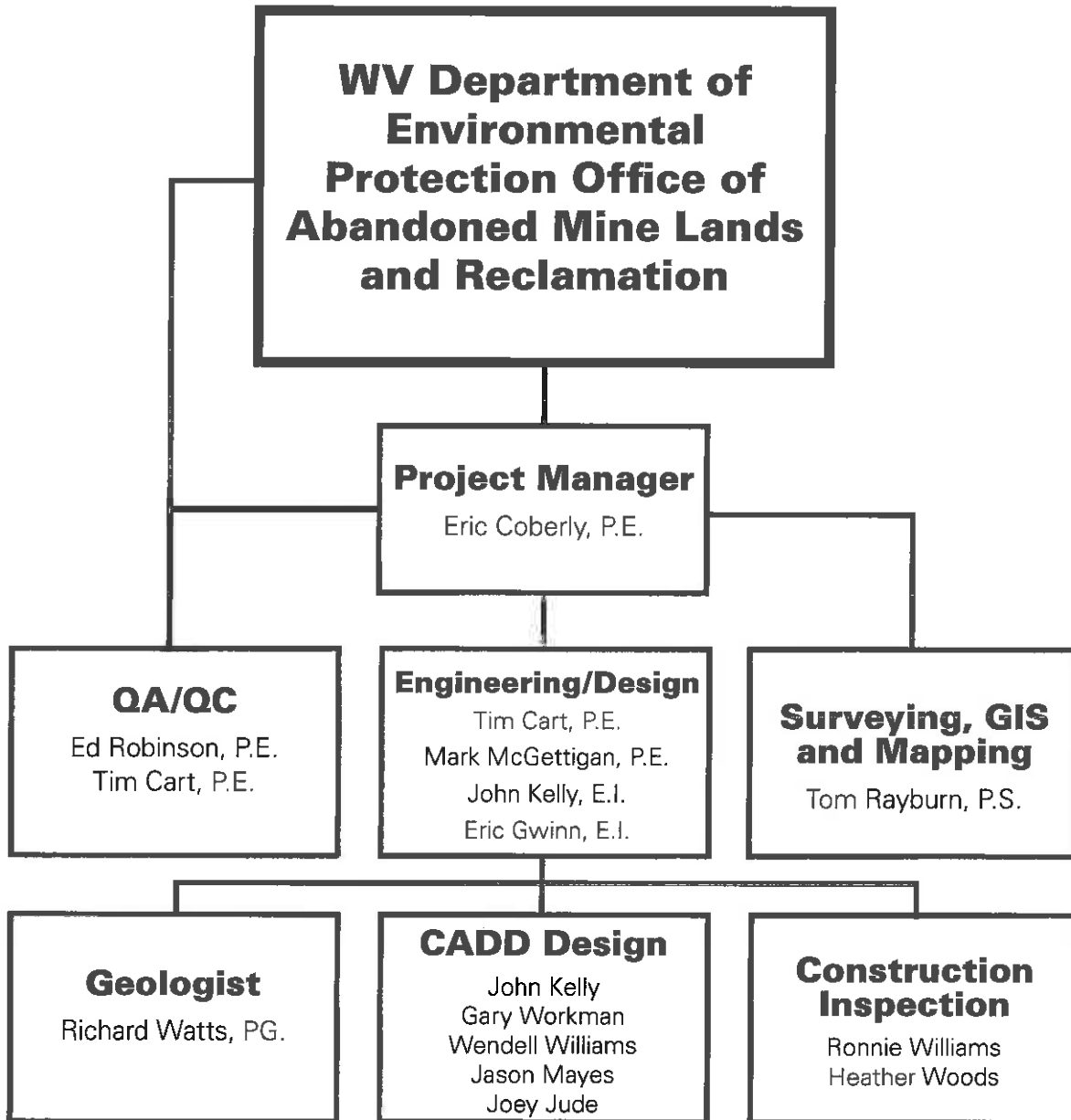
Mr. Wendell Williams will be assigned as a CADD Designer. Mr. Williams has over 37 years of experience as a CADD designer and senior draftsman with a strong emphasis in mining, infrastructure and roadway.

Mr. Gary Workman will be assigned as a CADD Designer. Mr. Workman has more than 27 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. J. Thomas Rayburn, P.S. will be assigned to oversee all surveying and mapping activities. 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.



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 projects with more than 130 employees, including 17 registered professional engineers, degreed design engineers, construction inspectors and a support team of administrative and technical personnel to assist the WVDEP/AML.

We are very familiar with the requirements of the permitting and regulatory agencies. This experience 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 Monarch Portals DEP17262	DATE (DAY, MONTH, YEAR) September 23, 2015	FEIN 55-0594633
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1. FIRM NAME E.L. Robinson Engineering Co.	2. HOME OFFICE BUSINESS ADDRESS 5088 Washington Street, West Charleston, WV 25313	3. FORMER FIRM NAME
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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
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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

6 ADMINISTRATIVE	— ECOLOGISTS	1 LANDSCAPE ARCHITECTS	6 STRUCTURAL ENGINEERS
ARCHITECTS	— ECONOMISTS	— MECHANICAL ENGINEERS	7 SURVEYORS
BIOLOGIST	— ELECTRICAL ENGINEERS	1 MINING ENGINEERS	— TRAFFIC ENGINEERS
6 CADD OPERATORS	— ENVIRONMENTALISTS	— PHOTOGRAMMETRISTS	— OTHER
— CHEMICAL ENGINEERS	— ESTIMATORS	PLANNERS: URBAN/REGIONAL	
10 CIVIL ENGINEERS	1 GEOLOGISTS	— SANITARY ENGINEERS	
15 CONSTRUCTION INSPECTORS	— HISTORIANS	1 SOILS ENGINEERS	
— DESIGNERS	— HYDROLOGISTS	— SPECIFICATION	54 TOTAL PERSONNEL
DRAFTSMEN		WRITERS	

TOTAL NUMBER OF WV REGISTERED PROFESSIONAL ENGINEERS IN PRIMARY OFFICE: 11
***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.)	YEARS OF EXPERIENCE		
	YEARS OF AML DESIGN EXPERIENCE:	YEARS OF AML RELATED DESIGN EXPERIENCE:	YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE:
Edward L. Robinson, President	19	30	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. 1150

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:
Richard W. Watts, P.G.	30	35	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.)	YEARS OF EXPERIENCE		
	YEARS OF AML DESIGN EXPERIENCE:	YEARS OF AML RELATED DESIGN EXPERIENCE:	YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE:
John Kelly II, E.I.	15	15	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.)	YEARS OF EXPERIENCE		
	YEARS OF AML DESIGN EXPERIENCE:	YEARS OF AML RELATED DESIGN EXPERIENCE:	YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE:
Timothy B. Cart, P.E.	31	31	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.) J. Todd Garnes	YEARS OF EXPERIENCE		
	YEARS OF AML DESIGN EXPERIENCE: 7	YEARS OF AML RELATED DESIGN EXPERIENCE: 7	YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE: 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.) Thomas Rayburn, P.S.	YEARS OF EXPERIENCE		
	YEARS OF AML DESIGN EXPERIENCE:	YEARS OF AML RELATED DESIGN EXPERIENCE: 35	YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE:

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.)	YEARS OF EXPERIENCE		
	YEARS OF AML DESIGN EXPERIENCE:	YEARS OF AML RELATED DESIGN EXPERIENCE:	YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE:
James Eric Gwinn, E.I.	10	10	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.)	YEARS OF EXPERIENCE		
	YEARS OF AML DESIGN EXPERIENCE:	YEARS OF AML RELATED DESIGN EXPERIENCE:	YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE:
Workman, Gary A., CADD Senior Technician	24	24	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.) Ryan Haws, EIT	YEARS OF EXPERIENCE		
	YEARS OF AML DESIGN EXPERIENCE: 0	YEARS OF AML RELATED DESIGN EXPERIENCE: 7	YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE: 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.) Wendell Williams	YEARS OF EXPERIENCE		
	YEARS OF AML DESIGN EXPERIENCE: 0	YEARS OF AML RELATED DESIGN EXPERIENCE: 15	YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE: 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
Iaeger 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:

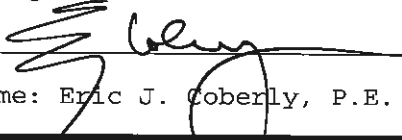
17. COMPLETED WORK WITHIN LAST 5 YEARS ON WHICH YOUR FIRM WAS THE DESIGNATED ENGINEER OF RECORD				
PROJECT NAME, TYPE AND LOCATION	NAME AND ADDRESS OF OWNER	ESTIMATED CONSTRUCTION COST	YEAR	CONSTRUCTED (YES OR NO)
Thorpe Refuse Pile McDowell County	WVDEP-AML Oak Hill, WV Mark Proctor	\$744,240	2011	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 Date: September 23, 2015

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

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.

Experience Abandoned Mine Lands



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



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.

Experience

Abandoned Mine Lands



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.

Experience

Abandoned Mine Lands



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.

Experience Abandoned Mine Lands



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: Scottown, Ohio
Completion Date: 2007
Client: ODNR-AML, Columbus, OH
Project Description: Performed site survey, drilling and prepared landslide abatement design.

Rodgers Subsidence Emergency

Project Location: 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.

Experience
Abandoned Mine Lands



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.

Experience Abandoned Mine Lands



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.

Experience

Abandoned Mine Lands



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.

Experience Abandoned Mine Lands



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.

US 35 Design Build

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

WVDOT-District 2 Mingo County

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

WVDOT-District 2 Logan County

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

WVDOT-District 2 Lincoln County

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

WVDOT Cottageville Bridge

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

WVDEP-AML Dans Branch

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

I-77 Tappers Creek Pocatamico Bridges

The subsurface investigation consisted of 4 test borings, 2 for each abutment. The structure core borings were advanced to depths ranging from 34.9 ft to 59.1 ft below the ground surface. Standard Penetration Tests were performed to approximate five foot intervals in each of the boring locations. Split spoon samples were taken until either auger refusal or spoon refusal was reached.

Dempsey Bottom Beam Spam

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

Guyandotte River Bridge

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

South Lee Exxon Bridge

The subsurface investigation consisted of 4 test borings, two drilled for each abutments and two at the pier site. The structure core borings were advanced to depths ranging from 35 ft to 60 ft below the ground surface using continuous flight augers. Standard Penetration Tests were performed at approximately 2.5 feet intervals at each of the boring locations. Split spoons samples were taken until either auger refusal or spoon refusal was reached.

Experience Hydraulics/Hydrology



Blennerhassett Island Bridge Over Ohio River

Year: 1999-2003

Client: Michael Baker Jr., Inc.

Description: Prepared an analysis of the hydraulic impact of the proposed bridge on the Ohio River flow, and prepared an appropriate hydraulic report. The analysis utilized HEC-RAS and as a part of the hydraulic report, a scour analysis was performed. E. L. Robinson Engineering Co. developed a computer model of the Ohio River using hydrographic survey mapping provided by our survey group.

Two – Dimensional Hydraulic was also developed to model complex flows for various bridge configurations and to provide more accurate predictions of hydraulic behavior anticipated in the area. The 2-D and 3-D models allow derivation of design details and design analyses and provide more accurate simulations of scour hole geometry.

US 52 Mainline Bridge/ KY 40 Bridge/Kermit Bypass over Marrowbone Creek

Year: 2000

Client: West Virginia Department of Transportation

Description: Prepared an analysis of the hydraulic impact of the Kermit Bypass Project over Marrowbone Creek and a partial relocation of the 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.

Experience Hydraulics/Hydrology



I-79 Over Left Hand Creek & US 119

Year: 2000

Client: West Virginia Department of Transportation

Description: Prepared an analysis of the hydraulic impact of the placement of a retaining wall for slope protection of the Left Hand Fork Bridge over Left Hand 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.

ELR also prepared Section 404 permitting documents outlining the effects a temporary cofferdam, which would be used during the construction phase, would have on the outlying areas upstream of the projects.

Simpson Creek Bridge/I-79 Over Simpson Creek

Year: 2000

Client: West Virginia Department of Transportation

Description: Prepared an analysis of the hydraulic impact of the widening of the Simpson Creek Bridge over Simpson 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.

ELR also prepared Section 404 permitting documents outlining the effects temporary cofferdams, which would be used during the construction phase, would have on the outlying areas upstream of the projects.

Experience Hydraulics/Hydrology



Ripley Town Bridge/US 33 Over Mill Creek

Year: 1999

Client: West Virginia Department of Transportation

Description: Prepared an analysis of the hydraulic impact of the replacement Ripley Town Bridge over Mill 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. ELR also prepared Section 404 permitting documents outlining the effects temporary causeways, which would be used during the construction phase, would have on the outlying areas upstream of the projects.

Jackson Bridge/WV 18 Over Point Pleasant Creek

Year: 1999

Client: West Virginia Department of Transportation

Description: Prepared an analysis of the hydraulic impact of the replacement Jackson Bridge over Point Pleasant 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.

Experience
Hydraulics/Hydrology



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.

Experience Hydraulics/Hydrology



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/Contour 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/Contour 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 (COGS), 1981

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

Registrations

Registered Professional Engineer in West Virginia, Kentucky, Ohio, South Carolina, 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 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 125 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 Board

President of West Virginia Council of Consulting Engineers

Chairman Transportation Committee - WV Association of Consulting Engineers

Edward L. Robinson, P.E., P.S.
(continued)



State Director of West Virginia Society of Professional Engineers

President of West Virginia Society of Professional Engineers

Assistant Treasurer of the American Society of Civil Engineers

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

President of West Virginia Section of ASCE

Honors Awarded

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

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

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

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

Engineering Entrepreneur of the Year – Ernst & Young, 2001

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

Education

M.S. Engineering of Mines, West Virginia University, 1990
B.S. Engineering of Mines, West Virginia University, 1983

Registrations

Registered Professional Engineer in West Virginia, Kentucky, Ohio, and Maryland

Professional Experience

Mr. Coberly has more than 30 years of experience as an infrastructure and mining engineer. He has extensive experience in project planning, specifically in mining, site development, water and wastewater projects.

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

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

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

Representative Projects

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

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

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

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

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

Eric Coberly, P.E.
(continued)



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

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

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

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

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

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

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 more than 38 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.

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

Richard Watts
(continued)



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 17 years of experience as an engineer and principal production person for numerous mine reclamation projects in West Virginia and Ohio. 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. Mr. Kelly has worked on waterline extensions and sewer collection systems. These extensions have included 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 Accomplishments

WVDEP Mine Reclamation:

Dunloup Creek Complex
Jacobs Fork
Bull Run #27
Gilmer B
Thorpe Refuse
Rhodell Refuse
Milam Ridge Refuse
Brownton 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

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 34 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 Engineer on numerous geotechnical investigations over the years. These projects have included highways, bridges, industrial sites, buildings and various developments.

Mr. Cart has been the lead engineer for the design of structures including garage maintenance facilities, 911 centers, student resident housing additions, building renovations including additions of elevations and stairways. The projects vary in complexity to single story slab on grade structures to multi-story 911 centers.

Additionally, Mr. Cart has also provided clients with evaluation of existing structures to determine the modifications required for proposed changes in the structural loading. He has worked with architects and the fire marshall's office to provide structures designed to the latest code requirements.

Representative Projects

Mr. Cart has served as senior project engineer for numerous structural projects including the following:

- Buckwheat Express Bus Garage- Kingwood, WV
- Mason County 911 Center and Garage- Point Pleasant, WV
- Putnam County 911 Center and Maintenance Garage- Winfield, WV
- Mingo County 911 Center- Williamson, WV
- Wetzel County 911 Center- New Martinsville, WV
- CAMC General Student Resident Housing- Charleston, WV

Tim Cart, P.E.
(continued)



- State Credit Union Building Addition- Charleston, WV
- Chief Logan Recreational Center- Logan, WV
- Aldersgate United Methodist church Gym and Fellowship Building- Sissionville, WV
- Lincoln County Courthouse File Room Modifications- Hamlin, WV
- Logan County Commission Building Elevator and Stairway Project- Logan, WV
- Logan County Courthouse Annex, Elevator and Stairway Project- Logan, WV
- Logan Welcome Center- Logan, WV
- Historic Coal House Restoration- Williamson, WV
- Flatwoods Canoe Rune PSD Maintenance & Treatment Building- Sutton, WV
- Putnam County Pre-Sed Basin and Building- Teays Valley, WV
- Delbarton Sewage Treatment Plant & Facility Buildings- Delbarton, WV
- Putnam County PSD Maintenance Garage- Teays Valley, WV

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 taken many large water and wastewater projects from the initial development phase through the construction phase. This includes writing the preliminary engineering report, developing funding scenarios, designing the system, developing the plans and specifications, developing the bid documents/overseeing the bid process and managing the construction inspection. Additionally, 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 design engineer on the following projects:

Mingo County PSD Dingess Phase I & II Water Distribution System Extension. Managed all phases of the project including preliminary design, permits, final design and construction management.

Mingo County PSD Upper Marrowbone. Managed all phases of the project including preliminary design, permits, final design and construction management.

Mingo County PSD Jennies Creek. Managed all phases of the project including preliminary design, permits, final design and construction management.

Lavalette PSD US Route 52 Waterline Extension Project. Managed all phases of the project including preliminary design, permits, etc.

Mark McGettigan, P.E.
(continued)



Lavalette PSD Crockett and Millers Fork Waterline Extension. Managed all phases of the project including preliminary design, permits, final design and construction management.

Lavalette PSD Route 37 Waterline Extension Project. Managed all phases of the project including preliminary design, permits, final design and construction management.

Lavalette PSD Nestlow Phases I & II Waterline Extension Project. Managed all phases of the project including preliminary design, permits, final design and construction management.

Crum PSD Mill Creek Waterline Extension Project. Managed all phases of the project including preliminary design, permits, etc.

Crum PSD Route 152 Phase I Waterline Extension Project. Managed all phases of the project including preliminary design, permits, etc.

Delbarton Sewer Line Replacement project. Worked on all phases of the project including preliminary design, permits, etc.

Town of Pax Waterline Relocation project. Designed and managed project through construction phase.

Glen Rogers Waterline Extension project for WVDEP-AML. Worked on design, hydraulics, permits, specifications, etc.

Charles Pointe North Landbay Phase I Infrastructure project. Developed specifications and managed construction inspection for this commercial land development project.

Charles Pointe South Landbay Phases I & II Infrastructure project. Developed specifications and managed construction inspection for this commercial land development project.

Wendell Williams Designer



Education

A.A.S. CAD Technology, West Virginia State University, 1997

B.A. Board of Regents, West Virginia Institute of Technology, 1999

Professional Experience

Mr. Williams has been with E.L. Robinson Engineering since 1978, drawing from over thirty-seven years of engineering and design experience to bring to your project. Mr. Williams has been utilizing CAD software since 1990 and has attended supplementary training courses and seminars dealing with third party engineering software programs. Mr. Williams' project experience includes numerous highway construction projects for the WVDOH, including highway plans and right-of-way plans. Also included in his experience is utility design and relocation, residential subdivision layout, survey boundary map preparation, and site development design.

Other administrative responsibilities include reviewing contract plans, scheduling of survey crews, cost estimate proposals and general project coordination. Mr. Williams has also spent a considerable amount of time providing construction administration and observation services for a large dichotomy of representative projects. He has served as construction inspector on various water, sanitary sewer, storm sewer and roadway construction projects. In assisting the Surveying and Right-of-Ways Departments, he often performs survey office calculations, note reduction, plat plotting and courthouse research.

Representative Projects

Throughout his extended career, both in the field and the office, Mr. Williams has been involved in the design, construction and coordination of over 20 single and multi family residential subdivision projects. A few of his subdivision and gated community projects include Centre Court, South Hills; South Gate, South Hills; Quail Pointe, Mink Shoals; Bedford Glen, Charleston; Briar Meadows, Cross Lanes; and Sherwood Forest, South Hills.

Additionally, 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.

Mr. Williams has designed and coordinated the development of commercial property. Some of his projects are Saturn of Hurricane/Charleston in Hurricane, Pizzaria Uno's in Bridgeport, Hurricane Chevrolet in Hurricane, Sleep-Inn in Charleston, TGI Fridays in Cross Lanes, WV Air National Guard in Bridgeport, and Edgewood Summit Retirement Community in Charleston.

Responsibilities for these projects included attending public meetings, acquiring permits from public and private agencies, development of civil site plans and profiles, construction details, estimate of quantities, cost estimates, and project coordination with owners and contractors.

Education

Auto CAD, Carver Career Center, 1986

Designing Skills

Auto CAD, Microstation, Inroads, and Hec-Ras

Professional Experience

Mr. Workman has more than 27 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:

Dunloup Creek Complex
Fayette Water Studies
Gooney Otter
Gilmer B
Glen Rogers Emergency
Marsh Run
Milam Ridge Refuse
Brownton Landslide
Abney Refuse
Gordon C Refuse
West Columbia B
East Bank Emergency

McGraws Shaft

Barkers Ridge Water Study
Covel Water Study
Otsego Water Study

Waterline Projects:

Barkers Ridge
Covel
Otsego
Big Hearts Creek
Marsh Fork

J. Tom Rayburn, P.S. Surveyor 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 Board Project, 3D Laser Scan and mapping of the CAMC Parking Garage partial collapse, and 3D Laser Scanning of I64/I77 Retaining Wall for Monitoring.

Representative Projects

Design Surveys:

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

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

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

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

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.

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.

Ronald Williams Construction Inspector



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

AML and RELATED PROJECT EXPERIENCE MATRIX			Attachment "C"														Primary Staff Participation							
PROJECT	Experience Basis Corporate-C Personal-P	Additional Information in Section	PROJECT EXPERIENCE														Staff							
			Abandoned Surface Mine Reclamation	Abandoned Deep Mine Reclamation	Portal/Shaft Closure	Hydrological/Hydraulic Design/Eval	Remining Evaluation	Mine/Refuse Fine Abatement	Subsidence Investigation Mitigator	Hazardous Waste Disposal	Project Specifications	Water Quality Evaluation/Mitigation/Replacement	Construction Inspection/Management	Water Treatment	Equipment/Structure Removal	Stream Restoration	Geotechnical/Stability	Ed Robinson, P.E.	Eric Coberly	Tim Cart, P.E.	Richard W. Watts, P.G.	Mark McGettigan, P.E.	John Kelly, E.I.	Scott A. Pratt, Geologist
Jacob's Fork Complex	C	YES		X	X	X				X					X	X	M		P		P	P		
Rhodell Refuse & Portals	C	YES		X	X	X				X					X	X	M		P		P	P		
Gämer B Sites 3-8	C	YES		X	X	X				X					X	X	M		P		P	P		
Morrisvale/Cameo/Big Horse Creek Waterline Feasibility Study	C	YES															M		P		P	P		
Camp Creek Waterline Feasibility Study	C	YES															M		P		P	P		
Lick Creek Waterline Feasibility Study	C	YES															M		P		P	P		
Ragland Waterline Feasibility Study	C	YES															M	P	P		P	P		
Beech Creek and Ben II Waterline Feasibility Study	C	YES															M		P		P	P		
Dingess Waterline Feasibility Study	C	YES															M	P	P		P	P		
Sharon Heights Waterline Feasibility Study	C	YES															M	P	P		P	P		
Amherstdale Water Feasibility Study	C	YES															M	P	P		P	P		
Mercer County Commission	C	YES															M	P	P		P	P		
Danese PSD Waterline Feasibility Study	C	YES															M	P	P		P	P		
New Haven Waterline Feasibility	C	YES															M	P	P		P	P		
Nubbin Ridge/Camp Creek Waterline Feasibility Study	C	YES															M		P		P			
Bramwell Hill Waterline Feasibility Study	C	YES															M		P		P	P		
Coaldale and Coaldale Mountain Waterline Feasibility Study	C	YES															M		P		P	P		
Jennie Creek Waterline Feasibility Study	C	YES															M		P		P			
Beech Creek and Ben Areas Waterline Feasibility Study	C	YES															M		P		P	P		
Blair/Sharples Area Waterline Feasibility Study	C	YES															M		P		P	P		
Brown's Creek #10	C	YES	X	X	X	X	X			X							M		P		P	P		
Bull Run #35	C	YES	X	X	X	X	X			X	X		X	X	X	X	M		P		P	P		
Securo Mine Drainage	C	YES		X	X	X	X			X							M		P		P	P		
Fickey Run	C	YES	X	X	X	X	X			X	X		X				M		P		P	P		
Ven's Run	C	YES	X			X				X							M		P		P	P		
Bull Run #27	C	YES	X	X	X	X	X			X	X		X				M		P		P	P		
Riffe Branch	C	YES	X	X	X	X	X			X							M		P		P	P		
Hot Coal	C	YES		X	X	X	X			X							M		P		P	P		
Minden Refuse Pile	C	YES		X		X				X							M		P		P	P		
Jeffrey Mine Complex	C	YES		X	X	X	X			X							M		P		P	P		
Pigeon Creek Waterline	C	YES				X				X	X	X					M		P		P	P		

AML and RELATED PROJECT EXPERIENCE MATRIX			Attachment "C"													Primary Staff Participation									
PROJECT	Experience Basis Corporate-C Personal-P	Additional Information in Section	PROJECT EXPERIENCE													Personnel									
			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 Inspection/Management	Water Treatment	Equipment/Structure Removal	Stream Restoration	Geotechnical/Stability	Ed Robinson, P.E.	Eric Coberly	Tim Cart, P.E.	Richard W. Watts, P.G.	Mark McGeetgan, P.E.	John Kelly E.I.	Scott A. Pratt, Geologist	Gary A. Workman, CADD
Verdun Branch	C	2011		X	X	X				X						X		P	P			P	P		
Thorpe Refuse Pile	C	2011		X	X	X				X						X			P	P			P	P	
Glen Rogers Emergency	C	2012		X	X	X				X									P	P			P	P	
Abney Refuse Piles	C	2012		X	X	X				X						X			P	P			P	P	
William Ridge Refuse	C	2012		X	X	X				X						X			P	P			P	P	
West Columbia "B"	C	2012		X	X	X				X						X			P	P			P	P	
Coburn Invest.	P			X					X							X			P						
Gouge Landslide	P		X			X				X			X			X			P						
Adamsville	P		X	X	X	X			X			X							P						
Mount Pisgah	P		X			X				X			X						P						
Pleasant Valley Church	P			X	X	X				X			X						P						
Hodgesville B	P			X	X	X				X			X		X				P						
Lynch Chapel	P			X	X	X				X			X		X				P						
Snider Portals	P			X	X	X				X			X						P						
Wash Run	P			X	X	X				X			X						P						
Junior Sewage Plant	P		X	X	X	X				X		X	X		X				P						
Shavers Fork/Stonecoal	P			X	X	X				X		X	X						P						
Vergo Drainage	P			X	X	X				X			X						P						
Fairhills Plaza Subsidence	P			X					X			X	X						P						
Karen Vance AMD	P		X	X	X	X				X			X						P						
Leroy Wilmoth Drainage	P			X	X	X				X			X						P						
Big Knob Acid Mine Drainage	P		X	X	X	X				X		X	X		X				P						
Matthew Smith Subsidence	P			X		X			X			X	X						P						
Worthington Portals	P		X	X	X	X				X			X						P						
Red Rock Drainage	P		X	X	X	X				X			X						P						
Blackwater Manor	P		X	X	X	X		X		X			X		X				P						
Buckhannon River Refuse	P			X	X	X				X			X		X				P						
Hutcheson AMD	P			X	X	X				X			X						P						
Nutter Fort Trestle -7th	P									X			X						P						
East Bank Portals - A# 2	P			X	X	X				X			X						P						
Manilla Creek - A#2	P			X	X	X				X			X			X			P						
Big Creek C	P			X	X	X				X			X						P						
Covey Creek Refuse	P			X	X	X				X			X						P						
Omar Drainage G2	P			X	X	X				X			X						P						
Crooked Ck Refuse & Portals	P			X	X	X				X			X		X				P						
Jims Br. (Tyree) LS	P			X	X	X				X			X			X			P						
Galloway Mine Portal/Refuse	P			X	X	X				X			X		X				P						
Newtown (Harmon) Drainage	P			X	X	X				X			X						P						
Whitman Ck. (Williams) VO	P			X	X					X			X						P						
Coel Branch (Cantrell)	P			X	X	X				X			X						P						
Jordanville Tipples/Refuse	P		X			X				X			X		X				P						
Heizer Creek A Maintenance	P			X	X	X				X			X		X				P						
Orlando Mining Facility	P		X			X				X			X		X				P						
Verdunville Drainage	P			X	X	X				X			X						P						
Holden Portals	P			X	X	X				X			X						P						
Molinar Subsidence	P			X					X			X				X			PM						



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: 114514

Doc Description: Expression of Interest Monarch Portals DEP17262

Proc Type: Central Contract - Fixed Amt

Date Issued	Solicitation Closes	Solicitation No	Version
2015-08-12	2015-09-23 13:30:00	CEOI 0313 DEP1600000007	1

BID RECEIVING LOCATION

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

VENDOR

Vendor Name, Address and Telephone Number:

E.L. Robinson Engineering
 5088 Washington Street, West
 Charleston, WV 25313
 304.776.7473

FOR INFORMATION CONTACT THE BUYER

Beth Collins
 (304) 558-2157
 beth.a.collins@wv.gov

Signature X

FEIN # 55-0594633

DATE 9/23/15

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

		SHIP TO
ENVIRONMENTAL PROTECTION OFFICE OF AML&R 601 57TH ST SE CHARLESTON US	WW25304	ENVIRONMENTAL PROTECTION OFFICE OF AML&R 601 57TH ST SE CHARLESTON US
		WW 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.

DEP160000007	Document Phase Final	Document Description Expression of Interest Monarch Portals DEP17262	Page 3 of 3
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ADDITIONAL TERMS AND CONDITIONS

See attached document(s) for additional Terms and Conditions

EXPRESSION OF INTEREST MONARCH PORTALS

TABLE OF CONTENTS:

1. Table of Contents
2. Section One: General Information
3. Section Two: Instructions to Vendors Submitting Bids
4. Section Three: Project Specifications
5. Section Four: Vendor Proposal, Evaluation, and Award
6. Section Five: Terms and Conditions
7. Certification and Signature Page

SECTION ONE: GENERAL INFORMATION

1. **PURPOSE:** The Acquisition and Contract Administration Section of the Office of West Virginia State Purchasing Division (Purchasing Division) is soliciting Expression(s) of Interest (EOI) for the West Virginia Department of Environmental Protection, Office of Abandoned Mine Lands and Reclamation (WVDEP/AML), from qualified firms (Vendors) to provide architectural/engineering services as defined herein.
2. **PROJECT:** The mission or purpose of the project for which bids are being solicited is to provide design services for the following:

MONARCH PORTALS:

Design of drainage conveyances.
Installation of mine seals and bat gate mine seals.
Small slide/erosion area.
Re-vegetation of disturbed areas.

EXPRESSION OF INTEREST MONARCH PORTALS

3. SCHEDULE OF EVENTS:

Release of the EOI.....	08/12/2015
Addendum IssuedTBD
Expressions of Interest Opening Date.....	09/23/2015
Estimated Date for Interviews.....	TBD

SECTION TWO: INSTRUCTIONS TO VENDORS SUBMITTING BIDS

Instructions begin on the next page.

INSTRUCTIONS TO VENDORS SUBMITTING BIDS

1. **REVIEW DOCUMENTS THOROUGHLY:** The attached documents contain a solicitation for bids. Please read these instructions and all documents attached in their entirety. These instructions provide critical information about requirements that if overlooked could lead to disqualification of a Vendor's bid. All bids must be submitted in accordance with the provisions contained in these instructions and the Solicitation. Failure to do so may result in disqualification of Vendor's bid.
2. **MANDATORY TERMS:** The Solicitation may contain mandatory provisions identified by the use of the words "must," "will," and "shall." Failure to comply with a mandatory term in the Solicitation will result in bid disqualification.
3. **PREBID MEETING:** The item identified below shall apply to this Solicitation.

A pre-bid meeting will not be held prior to bid opening.

A NON-MANDATORY PRE-BID meeting will be held at the following place and time:

A MANDATORY PRE-BID meeting will be held at the following place and time:

All Vendors submitting a bid must attend the mandatory pre-bid meeting. Failure to attend the mandatory pre-bid meeting shall result in disqualification of the Vendor's bid. No one person attending the pre-bid meeting may represent more than one Vendor.

An attendance sheet provided at the pre-bid meeting shall serve as the official document verifying attendance. The State will not accept any other form of proof or documentation to verify attendance. Any person attending the pre-bid meeting on behalf of a Vendor must list on the attendance sheet his or her name and the name of the Vendor he or she is representing. Additionally, the person attending the pre-bid meeting should include the Vendor's E-Mail address, phone number, and Fax number on the attendance sheet. It is the Vendor's responsibility to locate the attendance sheet and provide the required information. Failure to complete the attendance sheet as required may result in disqualification of Vendor's bid.

All Vendors should arrive prior to the starting time for the pre-bid. Vendors who arrive after the starting time but prior to the end of the pre-bid will be permitted to sign in, but are charged with knowing all matters discussed at the pre-bid.

Questions submitted at least five business days prior to a scheduled pre-bid will be discussed at the pre-bid meeting if possible. Any discussions or answers to questions at the pre-bid meeting are preliminary in nature and are non-binding. Official and binding answers to questions will be published in a written addendum to the Solicitation prior to bid opening.

4. **VENDOR QUESTION DEADLINE:** Vendors may submit questions relating to this Solicitation to the Purchasing Division. Questions must be submitted in writing. All questions must be submitted on or before the date listed below and to the address listed below in order to be considered. A written response will be published in a Solicitation addendum if a response is possible and appropriate. Non-written discussions, conversations, or questions and answers regarding this Solicitation are preliminary in nature and are non-binding. Submitted e-mails should have solicitation number in the subject line.

Question Submission Deadline: September 3, 2015 at 5:00 PM, EST

Submit Questions to: Beth A. Collins, Senior Buyer
2019 Washington Street, East
Charleston, WV 25305
Fax: (304) 558-4115 (Vendors should not use this fax number for bid submission)
Email: beth.a.collins@wv.gov

5. **VERBAL COMMUNICATION:** Any verbal communication between the Vendor and any State personnel is not binding, including verbal communication at the mandatory pre-bid conference. Only information issued in writing and added to the Solicitation by an official written addendum by the Purchasing Division is binding.
6. **BID SUBMISSION:** All bids must be submitted electronically through wvOASIS or signed and delivered by the Vendor to the Purchasing Division at the address listed below on or before the date and time of the bid opening. Any bid received by the Purchasing Division staff is considered to be in the possession of the Purchasing Division and will not be returned for any reason. The Purchasing Division will not accept bids, modification of bids, or addendum acknowledgment forms via e-mail. Acceptable delivery methods include electronic submission via wvOASIS, hand delivery, delivery by courier, or facsimile. The bid delivery address is:

Department of Administration, Purchasing Division
2019 Washington Street East
Charleston, WV 25305-0130

A bid that is not submitted electronically through wvOASIS should contain the information listed below on the face of the envelope or the bid may be rejected by the Purchasing Division.:

SEALED BID:
BUYER:
SOLICITATION NO.:
BID OPENING DATE:
BID OPENING TIME:
FAX NUMBER:

In the event that Vendor is responding to a request for proposal, and chooses to respond in a manner other than by electronic submission through wvOASIS, the Vendor shall submit one original technical and one original cost proposal plus convenience copies of each to the Purchasing Division at the address shown above. Additionally, if Vendor does not submit its bid through wvOASIS, the Vendor should identify the bid type as either a technical or cost proposal on the face of each bid envelope submitted in response to a request for proposal as follows:

BID TYPE: (This only applies to CRFP)

Technical

Cost

7. **BID OPENING:** Bids submitted in response to this Solicitation will be opened at the location identified below on the date and time listed below. Delivery of a bid after the bid opening date and time will result in bid disqualification. For purposes of this Solicitation, a bid is considered delivered when confirmation of delivery is provided by wvOASIS (in the case of electronic submission) or when the bid is time stamped by the official Purchasing Division time clock (in the case of hand delivery).

Bid Opening Date and Time: September 23, 2015 at 1:30 PM, EST
Bid Opening Location: Department of Administration, Purchasing Division
2019 Washington Street East
Charleston, WV 25305-0130

8. **ADDENDUM ACKNOWLEDGEMENT:** Changes or revisions to this Solicitation will be made by an official written addendum issued by the Purchasing Division. Vendor should acknowledge receipt of all addenda issued with this Solicitation by completing an Addendum Acknowledgment Form, 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.

9. **BID FORMATTING:** Vendor should type or electronically enter the information onto its bid to prevent errors in the evaluation. Failure to type or electronically enter the information may result in bid disqualification.
10. **ALTERNATES:** Any model, brand, or specification listed in this Solicitation establishes the acceptable level of quality only and is not intended to reflect a preference for, or in any way favor, a particular brand or vendor. Vendors may bid alternates to a listed model or brand provided that the alternate is at least equal to the model or brand and complies with the required specifications. The equality of any alternate being bid shall be determined by the State at its sole discretion. Any Vendor bidding an alternate model or brand should clearly identify the alternate items in its bid and should include manufacturer's specifications, industry literature, and/or any other relevant documentation demonstrating the equality of the alternate items. Failure to provide information for alternate items may be grounds for rejection of a Vendor's bid.
11. **EXCEPTIONS AND CLARIFICATIONS:** The Solicitation contains the specifications that shall form the basis of a contractual agreement. Vendor shall clearly mark any exceptions, clarifications, or other proposed modifications in its bid. Exceptions to, clarifications of, or modifications of a requirement or term and condition of the Solicitation may result in bid disqualification.
12. **COMMUNICATION LIMITATIONS:** In accordance with West Virginia Code of State Rules §148-1-6.6, communication with the State of West Virginia or any of its employees regarding this Solicitation during the solicitation, bid, evaluation or award periods, except through the Purchasing Division, is strictly prohibited without prior Purchasing Division approval. Purchasing Division approval for such communication is implied for all agency delegated and exempt purchases.
13. **REGISTRATION:** Prior to Contract award, the apparent successful Vendor must be properly registered with the West Virginia Purchasing Division and must have paid the \$125 fee, if applicable.
14. **UNIT PRICE:** Unit prices shall prevail in cases of a discrepancy in the Vendor's bid.
15. **PREFERENCE:** Vendor Preference may only be granted upon written request and only in accordance with the West Virginia Code § 5A-3-37 and the West Virginia Code of State Rules. A Vendor Preference Certificate form has been attached hereto to allow Vendor to apply for the preference. Vendor's failure to submit the Vendor Preference Certificate form with its bid will result in denial of Vendor Preference. Vendor Preference does not apply to construction projects.
16. **SMALL, WOMEN-OWNED, OR MINORITY-OWNED BUSINESSES:** For any solicitations publicly advertised for bid, in accordance with West Virginia Code §5A-3-37(a)(7) and W. Va. CSR § 148-22-9, any non-resident vendor certified as a small, women-owned, or minority-owned business under W. Va. CSR § 148-22-9 shall be provided the

same preference made available to any resident vendor. Any non-resident small, women-owned, or minority-owned business must identify itself as such in writing, must submit that writing to the Purchasing Division with its bid, and must be properly certified under W. Va. CSR § 148-22-9 prior to contract award to receive the preferences made available to resident vendors. Preference for a non-resident small, women-owned, or minority owned business shall be applied in accordance with W. Va. CSR § 148-22-9.

17. WAIVER OF MINOR IRREGULARITIES: The Director reserves the right to waive minor irregularities in bids or specifications in accordance with West Virginia Code of State Rules § 148-1-4.6.

18. ELECTRONIC FILE ACCESS RESTRICTIONS: Vendor must ensure that its submission in wvOASIS can be accessed by the Purchasing Division staff immediately upon bid opening. The Purchasing Division will consider any file that cannot be immediately opened and/or viewed at the time of the bid opening (such as, encrypted files, password protected files, or incompatible files) to be blank or incomplete as context requires, and are therefore unacceptable. A vendor will not be permitted to unencrypt files, remove password protections, or resubmit documents after bid opening if those documents are required with the bid.

EXPRESSION OF INTEREST MONARCH PORTALS

SECTION THREE: PROJECT SPECIFICATIONS

1. **Location:** Agency is located at 601 57th Street, SE, Charleston, WV 25304 and the project is located in Kanawha County (Shrewsbury) WV.

Directions to Site: From Charleston, take I-64E/I-77S to exit 96. Merge onto US-60E for ~ 12.50 miles. Turn left onto unmarked driveway. Travel up access road (behind locked yellow gate) for ~ 400', then continue east along access road for ~ 300' to portal one.

2. **Background:** Firms are to be licensed Architectural/Engineering Firms (A/E) and should be familiar with, and have a successful track record of design of similar projects. The anticipated contract will be for "full-service" A/E design. Aspects of the design are to include, but not be limited to, Civil, Structural, Geological and Hydrological.

The successful A/E will be responsible for Design of the following:

Design of drainage conveyances.
Installation of mine seals and bat gate mine seals.
Small slide/erosion area.
Re-vegetation of disturbed areas.

Preliminary design documents will be due 60 days from the issuance of the Purchase Order.

3. **Qualifications and Experience:** Vendors will provide information regarding its employees, such as staff qualifications and experience in completing similar projects; references; copies of any staff certifications or degrees applicable to this project; proposed staffing plan; descriptions of past projects completed entailing the location of the project, project manager name and contact information, type of project, and what the project goals and objectives where and how they were met.

EXPRESSION OF INTEREST MONARCH PORTALS

The response should be presented in concise format which defines the corporation history and the experience, qualifications, and performance data of the firm's staff as requested by the AML Consultant Qualification Questionnaire (CQQ), Attachment "B" and the AML and Related Project Experience Matrix (RPEM). Attachment "C".

AML Consultant Qualification Questionnaire (CQQ) must be completed to be eligible (See Attachment "B").

AML and Related Project Experience Matrix (RPEM) must also be completed to be eligible (See Attachment "C").

Electronic copies of the above referenced documents Attachment "B" and Attachment "C" are available online for registered vendors at:
<http://www.state.wv.us/admin/purchase/newbul.htm>.

4. Project and Goals: The project goals and objectives are:

Develop drawings and specifications to remediate an abandoned mine land problem area.

5. Oral Presentations (Agency Option): The Agency has the option of requiring oral presentations of all Vendors participating in the EOI process. If this option is exercised, it would be listed in the Schedule of Events (Section 1.3) of this EOI. During oral presentations, Vendors may not alter or add to their submitted proposal, but only clarify information. A description of the materials and information to be presented is provided below:

5.1. Materials and Information Required at Oral Presentation:

"Evaluation and Award Process" will be conducted with the three firms selected as the most qualified by the WVDEP Selection Committee. The Committee will schedule the interviews.

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The format for the interviews will be a 15-30 minute PowerPoint presentation consisting, at a minimum, of the following:

- Corporate/personnel experience as it relates to the project or projects
- Proposed project management plan
- Key personnel available for the proposed work
- Proposed subcontractors (mapping, geotechnical, etc.)
- Product quality control
- Project cost control

SECTION FOUR: VENDOR PROPOSAL, EVALUATION, & AWARD

1. **Economy of Preparation:** EOIs should be prepared simply and economically, providing a straightforward, concise description of firm's abilities to satisfy the requirements and goals and objectives of the EOI. Emphasis should be placed on completeness and clarity of content. The response sections should be labeled for ease of evaluation.

All responses should be submitted in a loose-leaf, three ring binder. Submit one original, one convenience copy and one copy on CD.

2. **BIDS MUST NOT CONTAIN PRICE QUOTATIONS:** The State shall select the best value solution according to §5G-1-3 of the West Virginia State Code. In accordance with the Code requirements, no "price" or "fee" information is requested or permitted in the bid response.
3. **Evaluation and Award Process:** Expressions of Interest for projects estimated to cost \$250,000 or more will be evaluated and awarded in accordance with West Virginia Code §5G-1-3. That Code section requires the following:
 - 3.1. **Required Elements of EOI Response:** The director of purchasing shall encourage such firms engaged in the lawful practice of the profession to submit

EXPRESSION OF INTEREST MONARCH PORTALS

an expression of interest, which shall include a statement of qualifications, and performance data and may include anticipated concepts and proposed methods of approach to the project.

- 3.2. **Public Advertisement:** All EOI requests shall be announced by public notice published as a Class II legal advertisement in compliance with the provisions of West Virginia Code §59-3-1 et seq.
- 3.3. **Selection Committee Evaluation & Negotiation:** A committee comprised of three to five representatives of the agency initiating the request shall:
 - 3.3.1. Evaluate the statements of qualifications and performance data and other material submitted by the interested firms and select three firms which in their opinion are the best qualified to perform the desired service.
 - 3.3.2. Conduct interviews with each firm selected and the conduct discussions regarding anticipated concepts and the proposed methods of approach to the assignment.
 - 3.3.3. Rank in order of preference no less than three professional firms deemed to be the most highly qualified to provide the services required, and shall commence scope of service and price negotiations with the highest qualified professional firm.
 - 3.3.4. Should the agency be unable to negotiate a satisfactory contract with the professional firm considered to be the most qualified, at a fee determined to be fair and reasonable, price negotiations with the firm of second choice shall commence. Failing accord with the second most qualified professional firm, the committee shall undertake price negotiations with the third most qualified professional firm.
 - 3.3.5. Should the agency be unable to negotiate a satisfactory contract with any of the selected professional firms, it shall select additional professional firms in order of their competence and qualifications and it shall continue negotiations in accordance with this section until an agreement is reached.

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- 3.4. Vendor Ranking:** All evaluation criteria is defined in the Procurement Specifications section and based on a 100 point total score.

Points shall be assigned based upon the vendor's response to the evaluation criteria as follows:

- | | |
|--|------------------|
| A. WV Registered Professional Engineers (Civil or Mining)
In the Primary Office: | 20 points |
| B. Reclamation Engineering design experience of the Primary
Office's WVRPE as it relates to the specific project problem
Areas: | 25 points |
| C. Available WV-AML Design Teams within the Primary office
(A Design team should consist of one Project Engineer (Civil
or Mining), one CAD person and availability of other support
personnel a required by the particular project): | 20 points |
| D. The Oral Interview (See 5.1 under Section 3 of this EOI): | 35 points |

**EXPRESSION OF INTEREST
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SECTION FIVE: TERMS AND CONDITIONS

Terms and conditions begin on the next page.

GENERAL TERMS AND CONDITIONS:

1. **CONTRACTUAL AGREEMENT:** Issuance of a Award Document signed by the Purchasing Division Director, or his designee, and approved as to form by the Attorney General's office constitutes acceptance of this Contract made by and between the State of West Virginia and the Vendor. Vendor's signature on its bid signifies Vendor's agreement to be bound by and accept the terms and conditions contained in this Contract.

2. **DEFINITIONS:** As used in this Solicitation/Contract, the following terms shall have the meanings attributed to them below. Additional definitions may be found in the specifications included with this Solicitation/Contract.
 - 2.1. "Agency" or "Agencies" means the agency, board, commission, or other entity of the State of West Virginia that is identified on the first page of the Solicitation or any other public entity seeking to procure goods or services under this Contract.
 - 2.2. "Contract" means the binding agreement that is entered into between the State and the Vendor to provide the goods or services requested in the Solicitation.
 - 2.3. "Director" means the Director of the West Virginia Department of Administration, Purchasing Division.
 - 2.4. "Purchasing Division" means the West Virginia Department of Administration, Purchasing Division.
 - 2.5. "Award Document" means the document signed by the Agency and the Purchasing Division, and approved as to form by the Attorney General, that identifies the Vendor as the contract holder.
 - 2.6. "Solicitation" means the official notice of an opportunity to supply the State with goods or services that is published by the Purchasing Division.
 - 2.7. "State" means the State of West Virginia and/or any of its agencies, commissions, boards, etc. as context requires.
 - 2.8. "Vendor" or "Vendors" means any entity submitting a bid in response to the Solicitation, the entity that has been selected as the lowest responsible bidder, or the entity that has been awarded the Contract as context requires.

3. **CONTRACT TERM; RENEWAL; EXTENSION:** The term of this Contract shall be determined in accordance with the category that has been identified as applicable to this Contract below:

Term Contract

Initial Contract Term: This Contract becomes effective on _____ and extends for a period of _____ year(s).

Renewal Term: This Contract may be renewed upon the mutual written consent of the Agency, and the Vendor, with approval of the Purchasing Division and the Attorney General's office (Attorney General approval is as to form only). Any request for renewal should be submitted to the Purchasing Division thirty (30) days prior to the expiration date of the initial contract term or appropriate renewal term. A Contract renewal shall be in accordance with the terms and conditions of the original contract. Renewal of this Contract is limited to _____ successive one (1) year periods or multiple renewal periods of less than one year, provided that the multiple renewal periods do not exceed _____ months in total. Automatic renewal of this Contract is prohibited. Notwithstanding the foregoing, Purchasing Division approval is not required on agency delegated or exempt purchases. Attorney General approval may be required for vendor terms and conditions.

Delivery Order Limitations: In the event that this contract permits delivery orders, a delivery order may only be issued during the time this Contract is in effect. Any delivery order issued within one year of the expiration of this Contract shall be effective for one year from the date the delivery order is issued. No delivery order may be extended beyond one year after this Contract has expired.

Fixed Period Contract: This Contract becomes effective upon Vendor's receipt of the notice to proceed and must be completed within _____ 1,095 _____ days.

Fixed Period Contract with Renewals: This Contract becomes effective upon Vendor's receipt of the notice to proceed and part of the Contract more fully described in the attached specifications must be completed within _____ days. Upon completion, the vendor agrees that maintenance, monitoring, or warranty services will be provided for one year thereafter with an additional _____ successive one year renewal periods or multiple renewal periods of less than one year provided that the multiple renewal periods do not exceed _____ months in total. Automatic renewal of this Contract is prohibited.

One Time Purchase: The term of this Contract shall run from the issuance of the Award Document until all of the goods contracted for have been delivered, but in no event will this Contract extend for more than one fiscal year.

Other: See attached.

4. **NOTICE TO PROCEED:** Vendor shall begin performance of this Contract immediately upon receiving notice to proceed unless otherwise instructed by the Agency. Unless otherwise specified, the fully executed Award Document will be considered notice to proceed.
5. **QUANTITIES:** The quantities required under this Contract shall be determined in accordance with the category that has been identified as applicable to this Contract below.
- Open End Contract:** Quantities listed in this Solicitation are approximations only, based on estimates supplied by the Agency. It is understood and agreed that the Contract shall cover the quantities actually ordered for delivery during the term of the Contract, whether more or less than the quantities shown.
- Service:** The scope of the service to be provided will be more clearly defined in the specifications included herewith.
- Combined Service and Goods:** The scope of the service and deliverable goods to be provided will be more clearly defined in the specifications included herewith.
- One Time Purchase:** This Contract is for the purchase of a set quantity of goods that are identified in the specifications included herewith. Once those items have been delivered, no additional goods may be procured under this Contract without an appropriate change order approved by the Vendor, Agency, Purchasing Division, and Attorney General's office.
6. **PRICING:** The pricing set forth herein is firm for the life of the Contract, unless specified elsewhere within this Solicitation/Contract by the State. A Vendor's inclusion of price adjustment provisions in its bid, without an express authorization from the State in the Solicitation to do so, may result in bid disqualification.
7. **EMERGENCY PURCHASES:** The Purchasing Division Director may authorize the Agency to purchase goods or services in the open market that Vendor would otherwise provide under this Contract if those goods or services are for immediate or expedited delivery in an emergency. Emergencies shall include, but are not limited to, delays in transportation or an unanticipated increase in the volume of work. An emergency purchase in the open market, approved by the Purchasing Division Director, shall not constitute a breach of this Contract and shall not entitle the Vendor to any form of compensation or damages. This provision does not excuse the State from fulfilling its obligations under a One Time Purchase contract.
8. **REQUIRED DOCUMENTS:** All of the items checked below must be provided to the Purchasing Division by the Vendor as specified below.

- BID BOND:** All Vendors shall furnish a bid bond in the amount of five percent (5%) of the total amount of the bid protecting the State of West Virginia. The bid bond must be submitted with the bid.
- PERFORMANCE BOND:** The apparent successful Vendor shall provide a performance bond in the amount of _____. The performance bond must be received by the Purchasing Division prior to Contract award. On construction contracts, the performance bond must be 100% of the Contract value.
- LABOR/MATERIAL PAYMENT BOND:** The apparent successful Vendor shall provide a labor/material payment bond in the amount of 100% of the Contract value. The labor/material payment bond must be delivered to the Purchasing Division prior to Contract award.

In lieu of the Bid Bond, Performance Bond, and Labor/Material Payment Bond, the Vendor may provide certified checks, cashier's checks, or irrevocable letters of credit. Any certified check, cashier's check, or irrevocable letter of credit provided in lieu of a bond must be of the same amount and delivered on the same schedule as the bond it replaces. A letter of credit submitted in lieu of a performance and labor/material payment bond will only be allowed for projects under \$100,000. Personal or business checks are not acceptable.

- MAINTENANCE BOND:** The apparent successful Vendor shall provide a two (2) year maintenance bond covering the roofing system. The maintenance bond must be issued and delivered to the Purchasing Division prior to Contract award.
- INSURANCE:** The apparent successful Vendor shall furnish proof of the following insurance prior to Contract award and shall list the state as a certificate holder;

Commercial General Liability Insurance: In the amount of _____
\$1,000,000.00 or more.

Builders Risk Insurance: In an amount equal to 100% of the amount of the Contract.

\$1,000,000.00 Professional Liability

\$1,000,000.00 Auto Liability

\$2,000,000.00 Aggregate

The apparent successful Vendor shall also furnish proof of any additional insurance requirements contained in the specifications prior to Contract award regardless of whether or not that insurance requirement is listed above.

- LICENSE(S) / CERTIFICATIONS / PERMITS:** In addition to anything required under the Section entitled Licensing, of the General Terms and Conditions, the apparent successful Vendor shall furnish proof of the following licenses, certifications, and/or permits prior to Contract award, in a form acceptable to the Purchasing Division.

The apparent successful Vendor shall also furnish proof of any additional licenses or certifications contained in the specifications prior to Contract award regardless of whether or not that requirement is listed above.

9. WORKERS' COMPENSATION INSURANCE: The apparent successful Vendor shall comply with laws relating to workers compensation, shall maintain workers' compensation insurance when required, and shall furnish proof of workers' compensation insurance upon request.

10. LITIGATION BOND: The Director reserves the right to require any Vendor that files a protest of an award to submit a litigation bond in the amount equal to one percent of the lowest bid submitted or \$5,000, whichever is greater. The entire amount of the bond shall be forfeited if the hearing officer determines that the protest was filed for frivolous or improper purpose, including but not limited to, the purpose of harassing, causing unnecessary delay, or needless expense for the Agency. All litigation bonds shall be made payable to the Purchasing Division. In lieu of a bond, the protester may submit a cashier's check or certified check payable to the Purchasing Division. Cashier's or certified checks will be deposited with and held by the State Treasurer's office. If it is determined that the protest has not been filed for frivolous or improper purpose, the bond or deposit shall be returned in its entirety.

11. LIQUIDATED DAMAGES: Vendor shall pay liquidated damages in the amount of

for _____.

This clause shall in no way be considered exclusive and shall not limit the State or Agency's right to pursue any other available remedy.

12. **ACCEPTANCE/REJECTION:** The State may accept or reject any bid in whole, or in part. Vendor's signature on its bid signifies acceptance of the terms and conditions contained in the Solicitation and Vendor agrees to be bound by the terms of the Contract, as reflected in the Award Document, upon receipt.
13. **FUNDING:** This Contract shall continue for the term stated herein, contingent upon funds being appropriated by the Legislature or otherwise being made available. In the event funds are not appropriated or otherwise made available, this Contract becomes void and of no effect beginning on July 1 of the fiscal year for which funding has not been appropriated or otherwise made available.
14. **PAYMENT:** Payment in advance is prohibited under this Contract. Payment may only be made after the delivery and acceptance of goods or services. The Vendor shall submit invoices, in arrears.
15. **TAXES:** The Vendor shall pay any applicable sales, use, personal property or any other taxes arising out of this Contract and the transactions contemplated thereby. The State of West Virginia is exempt from federal and state taxes and will not pay or reimburse such taxes.
16. **CANCELLATION:** The Purchasing Division Director reserves the right to cancel this Contract immediately upon written notice to the vendor if the materials or workmanship supplied do not conform to the specifications contained in the Contract. The Purchasing Division Director may also cancel any purchase or Contract upon 30 days written notice to the Vendor in accordance with West Virginia Code of State Rules § 148-1-7.16.2.
17. **TIME:** Time is of the essence with regard to all matters of time and performance in this Contract.
18. **APPLICABLE LAW:** This Contract is governed by and interpreted under West Virginia law without giving effect to its choice of law principles. Any information provided in specification manuals, or any other source, verbal or written, which contradicts or violates the West Virginia Constitution, West Virginia Code or West Virginia Code of State Rules is void and of no effect.
19. **COMPLIANCE:** Vendor shall comply with all applicable federal, state, and local laws, regulations and ordinances. By submitting a bid, Vendor acknowledges that it has reviewed, understands, and will comply with all applicable law.
20. **PREVAILING WAGE:** Vendor shall be responsible for ensuring compliance with prevailing wage requirements and determining when prevailing wage requirements are applicable.

- 21. ARBITRATION:** Any references made to arbitration contained in this Contract, Vendor's bid, or in any American Institute of Architects documents pertaining to this Contract are hereby deleted, void, and of no effect.
- 22. MODIFICATIONS:** This writing is the parties' final expression of intent. Notwithstanding anything contained in this Contract to the contrary, no modification of this Contract shall be binding without mutual written consent of the Agency, and the Vendor, with approval of the Purchasing Division and the Attorney General's office (Attorney General approval is as to form only). No Change shall be implemented by the Vendor until such time as the Vendor receives an approved written change order from the Purchasing Division.
- 23. WAIVER:** The failure of either party to insist upon a strict performance of any of the terms or provision of this Contract, or to exercise any option, right, or remedy herein contained, shall not be construed as a waiver or a relinquishment for the future of such term, provision, option, right, or remedy, but the same shall continue in full force and effect. Any waiver must be expressly stated in writing and signed by the waiving party.
- 24. SUBSEQUENT FORMS:** The terms and conditions contained in this Contract shall supersede any and all subsequent terms and conditions which may appear on any form documents submitted by Vendor to the Agency or Purchasing Division such as price lists, order forms, invoices, sales agreements, or maintenance agreements, and includes internet websites or other electronic documents. Acceptance or use of Vendor's forms does not constitute acceptance of the terms and conditions contained thereon.
- 25. ASSIGNMENT:** Neither this Contract nor any monies due, or to become due hereunder, may be assigned by the Vendor without the express written consent of the Agency, the Purchasing Division, the Attorney General's office (as to form only), and any other government agency or office that may be required to approve such assignments. Notwithstanding the foregoing, Purchasing Division approval may or may not be required on certain agency delegated or exempt purchases.
- 26. WARRANTY:** The Vendor expressly warrants that the goods and/or services covered by this Contract will: (a) conform to the specifications, drawings, samples, or other description furnished or specified by the Agency; (b) be merchantable and fit for the purpose intended; and (c) be free from defect in material and workmanship.
- 27. STATE EMPLOYEES:** State employees are not permitted to utilize this Contract for personal use and the Vendor is prohibited from permitting or facilitating the same.
- 28. BANKRUPTCY:** In the event the Vendor files for bankruptcy protection, the State of West Virginia may deem this Contract null and void, and terminate this Contract without notice.
- 29. CONFIDENTIALITY:** The Vendor agrees that it will not disclose to anyone, directly or indirectly, any such personally identifiable information or other confidential information gained from the Agency, unless the individual who is the subject of the information consents

to the disclosure in writing or the disclosure is made pursuant to the Agency's policies, procedures, and rules. Vendor further agrees to comply with the Confidentiality Policies and Information Security Accountability Requirements, set forth in <http://www.state.wv.us/admin/purchase/privacy/default.html>.

- 30. DISCLOSURE:** Vendor's response to the Solicitation and the resulting Contract are considered public documents and will be disclosed to the public in accordance with the laws, rules, and policies governing the West Virginia Purchasing Division. Those laws include, but are not limited to, the Freedom of Information Act found in West Virginia Code §§ 29B-1-1 et seq. and the competitive bidding laws found West Virginia Code §§ 5A-3-1 et seq., 5-22-1 et seq., and 5G-1-1 et seq.

If a Vendor considers any part of its bid to be exempt from public disclosure, Vendor must so indicate by specifically identifying the exempt information, identifying the exemption that applies, providing a detailed justification for the exemption, segregating the exempt information from the general bid information, and submitting the exempt information as part of its bid but in a segregated and clearly identifiable format. Failure to comply with the foregoing requirements will result in public disclosure of the Vendor's bid without further notice. A Vendor's act of marking all or nearly all of its bid as exempt is not sufficient to avoid disclosure and WILL NOT BE HONORED. Vendor's act of marking a bid or any part thereof as "confidential" or "proprietary" is not sufficient to avoid disclosure and WILL NOT BE HONORED. A legend or other statement indicating that all or substantially all of the bid is exempt from disclosure is not sufficient to avoid disclosure and WILL NOT BE HONORED. Additionally, pricing or cost information will not be considered exempt from disclosure and requests to withhold publication of pricing or cost information WILL NOT BE HONORED.

Vendor will be required to defend any claimed exemption for nondisclosure in the event of an administrative or judicial challenge to the State's nondisclosure. Vendor must indemnify the State for any costs incurred related to any exemptions claimed by Vendor. Any questions regarding the applicability of the various public records laws should be addressed to your own legal counsel prior to bid submission.

- 31. LICENSING:** In accordance with West Virginia Code of State Rules §148-1-6.1.7, Vendor must be licensed and in good standing in accordance with any and all state and local laws and requirements by any state or local agency of West Virginia, including, but not limited to, the West Virginia Secretary of State's Office, the West Virginia Tax Department, West Virginia Insurance Commission, or any other state agency or political subdivision. Upon request, the Vendor must provide all necessary releases to obtain information to enable the Purchasing Division Director or the Agency to verify that the Vendor is licensed and in good standing with the above entities.
- 32. ANTITRUST:** In submitting a bid to, signing a contract with, or accepting a Award Document from any agency of the State of West Virginia, the Vendor agrees to convey, sell, assign, or transfer to the State of West Virginia all rights, title, and interest in and to all causes of action it may now or hereafter acquire under the antitrust laws of the United States

and the State of West Virginia for price fixing and/or unreasonable restraints of trade relating to the particular commodities or services purchased or acquired by the State of West Virginia. Such assignment shall be made and become effective at the time the purchasing agency tenders the initial payment to Vendor.

33. VENDOR CERTIFICATIONS: By signing its bid or entering into this Contract, Vendor certifies (1) that its bid or offer was made without prior understanding, agreement, or connection with any corporation, firm, limited liability company, partnership, person or entity submitting a bid or offer for the same material, supplies, equipment or services; (2) that its bid or offer is in all respects fair and without collusion or fraud; (3) that this Contract is accepted or entered into without any prior understanding, agreement, or connection to any other entity that could be considered a violation of law; and (4) that it has reviewed this Solicitation in its entirety; understands the requirements, terms and conditions, and other information contained herein. Vendor's signature on its bid or offer also affirms that neither it nor its representatives have any interest, nor shall acquire any interest, direct or indirect, which would compromise the performance of its services hereunder. Any such interests shall be promptly presented in detail to the Agency. The individual signing this bid or offer on behalf of Vendor certifies that he or she is authorized by the Vendor to execute this bid or offer or any documents related thereto on Vendor's behalf; that he or she is authorized to bind the Vendor in a contractual relationship; and that, to the best of his or her knowledge, the Vendor has properly registered with any State agency that may require registration.

34. PURCHASING CARD ACCEPTANCE: The State of West Virginia currently utilizes a Purchasing Card program, administered under contract by a banking institution, to process payment for goods and services. The Vendor must accept the State of West Virginia's Purchasing Card for payment of all orders under this Contract unless the box below is checked.

Vendor is not required to accept the State of West Virginia's Purchasing Card as payment for all goods and services.

35. VENDOR RELATIONSHIP: The relationship of the Vendor to the State shall be that of an independent contractor and no principal-agent relationship or employer-employee relationship is contemplated or created by this Contract. The Vendor as an independent contractor is solely liable for the acts and omissions of its employees and agents. Vendor shall be responsible for selecting, supervising, and compensating any and all individuals employed pursuant to the terms of this Solicitation and resulting contract. Neither the Vendor, nor any employees or subcontractors of the Vendor, shall be deemed to be employees of the State for any purpose whatsoever. Vendor shall be exclusively responsible for payment of employees and contractors for all wages and salaries, taxes, withholding payments, penalties, fees, fringe benefits, professional liability insurance premiums, contributions to insurance and pension, or other deferred compensation plans, including but not limited to, Workers' Compensation and Social Security obligations, licensing fees, etc. and the filing of all necessary documents, forms, and returns pertinent to all of the foregoing. Vendor shall hold harmless the State, and shall provide the State and Agency with a defense

against any and all claims including, but not limited to, the foregoing payments, withholdings, contributions, taxes, Social Security taxes, and employer income tax returns.

- 36. INDEMNIFICATION:** The Vendor agrees to indemnify, defend, and hold harmless the State and the Agency, their officers, and employees from and against: (1) Any claims or losses for services rendered by any subcontractor, person, or firm performing or supplying services, materials, or supplies in connection with the performance of the Contract; (2) Any claims or losses resulting to any person or entity injured or damaged by the Vendor, its officers, employees, or subcontractors by the publication, translation, reproduction, delivery, performance, use, or disposition of any data used under the Contract in a manner not authorized by the Contract, or by Federal or State statutes or regulations; and (3) Any failure of the Vendor, its officers, employees, or subcontractors to observe State and Federal laws including, but not limited to, labor and wage and hour laws.
- 37. PURCHASING AFFIDAVIT:** In accordance with West Virginia Code § 5A-3-10a, all Vendors are required to sign, notarize, and submit the Purchasing Affidavit stating that neither the Vendor nor a related party owe a debt to the State in excess of \$1,000. The affidavit must be submitted prior to award, but should be submitted with the Vendor's bid. A copy of the Purchasing Affidavit is included herewith.
- 38. ADDITIONAL AGENCY AND LOCAL GOVERNMENT USE:** This Contract may be utilized by and extends to other agencies, spending units, and political subdivisions of the State of West Virginia; county, municipal, and other local government bodies; and school districts ("Other Government Entities"). This Contract shall be extended to the aforementioned Other Government Entities on the same prices, terms, and conditions as those offered and agreed to in this Contract. If the Vendor does not wish to extend the prices, terms, and conditions of its bid and subsequent contract to the Other Government Entities, the Vendor must clearly indicate such refusal in its bid. A refusal to extend this Contract to the Other Government Entities shall not impact or influence the award of this Contract in any manner.
- 39. CONFLICT OF INTEREST:** Vendor, its officers or members or employees, shall not presently have or acquire an interest, direct or indirect, which would conflict with or compromise the performance of its obligations hereunder. Vendor shall periodically inquire of its officers, members and employees to ensure that a conflict of interest does not arise. Any conflict of interest discovered shall be promptly presented in detail to the Agency.
- 40. REPORTS:** Vendor shall provide the Agency and/or the Purchasing Division with the following reports identified by a checked box below:
- Such reports as the Agency and/or the Purchasing Division may request. Requested reports may include, but are not limited to, quantities purchased, agencies utilizing the contract, total contract expenditures by agency, etc.

- Quarterly reports detailing the total quantity of purchases in units and dollars, along with a listing of purchases by agency. Quarterly reports should be delivered to the Purchasing Division via email at purchasing.requisitions@wv.gov.

41. BACKGROUND CHECK: In accordance with W. Va. Code § 15-2D-3, the Director of the Division of Protective Services shall require any service provider whose employees are regularly employed on the grounds or in the buildings of the Capitol complex or who have access to sensitive or critical information to submit to a fingerprint-based state and federal background inquiry through the state repository. The service provider is responsible for any costs associated with the fingerprint-based state and federal background inquiry.

After the contract for such services has been approved, but before any such employees are permitted to be on the grounds or in the buildings of the Capitol complex or have access to sensitive or critical information, the service provider shall submit a list of all persons who will be physically present and working at the Capitol complex to the Director of the Division of Protective Services for purposes of verifying compliance with this provision.

The State reserves the right to prohibit a service provider's employees from accessing sensitive or critical information or to be present at the Capitol complex based upon results addressed from a criminal background check.

Service providers should contact the West Virginia Division of Protective Services by phone at (304) 558-9911 for more information.

42. PREFERENCE FOR USE OF DOMESTIC STEEL PRODUCTS: Except when authorized by the Director of the Purchasing Division pursuant to W. Va. Code § 5A-3-56, no contractor may use or supply steel products for a State Contract Project other than those steel products made in the United States. A contractor who uses steel products in violation of this section may be subject to civil penalties pursuant to W. Va. Code § 5A-3-56. As used in this section:

- a. "State Contract Project" means any erection or construction of, or any addition to, alteration of or other improvement to any building or structure, including, but not limited to, roads or highways, or the installation of any heating or cooling or ventilating plants or other equipment, or the supply of and materials for such projects, pursuant to a contract with the State of West Virginia for which bids were solicited on or after June 6, 2001.
- b. "Steel Products" means products rolled, formed, shaped, drawn, extruded, forged, cast, fabricated or otherwise similarly processed, or processed by a combination of two or more or such operations, from steel made by the open heath, basic oxygen, electric furnace, Bessemer or other steel making process. The Purchasing Division Director may, in writing, authorize the use of foreign steel products if:
- c. The cost for each contract item used does not exceed one tenth of one percent (.1%) of the total contract cost or two thousand five hundred dollars (\$2,500.00), whichever is greater.

For the purposes of this section, the cost is the value of the steel product as delivered to the project; or

- d. The Director of the Purchasing Division determines that specified steel materials are not produced in the United States in sufficient quantity or otherwise are not reasonably available to meet contract requirements.

43. PREFERENCE FOR USE OF DOMESTIC ALUMINUM, GLASS, AND STEEL: In Accordance with W. Va. Code § 5-19-1 et seq., and W. Va. CSR § 148-10-1 et seq., for every contract or subcontract, subject to the limitations contained herein, for the construction, reconstruction, alteration, repair, improvement or maintenance of public works or for the purchase of any item of machinery or equipment to be used at sites of public works, only domestic aluminum, glass or steel products shall be supplied unless the spending officer determines, in writing, after the receipt of offers or bids, (1) that the cost of domestic aluminum, glass or steel products is unreasonable or inconsistent with the public interest of the State of West Virginia, (2) that domestic aluminum, glass or steel products are not produced in sufficient quantities to meet the contract requirements, or (3) the available domestic aluminum, glass, or steel do not meet the contract specifications. This provision only applies to public works contracts awarded in an amount more than fifty thousand dollars (\$50,000) or public works contracts that require more than ten thousand pounds of steel products.

The cost of domestic aluminum, glass, or steel products may be unreasonable if the cost is more than twenty percent (20%) of the bid or offered price for foreign made aluminum, glass, or steel products. If the domestic aluminum, glass or steel products to be supplied or produced in a "substantial labor surplus area", as defined by the United States Department of Labor, the cost of domestic aluminum, glass, or steel products may be unreasonable if the cost is more than thirty percent (30%) of the bid or offered price for foreign made aluminum, glass, or steel products.

This preference shall be applied to an item of machinery or equipment, as indicated above, when the item is a single unit of equipment or machinery manufactured primarily of aluminum, glass or steel, is part of a public works contract and has the sole purpose or of being a permanent part of a single public works project. This provision does not apply to equipment or machinery purchased by a spending unit for use by that spending unit and not as part of a single public works project.

All bids and offers including domestic aluminum, glass or steel products that exceed bid or offer prices including foreign aluminum, glass or steel products after application of the preferences provided in this provision may be reduced to a price equal to or lower than the lowest bid or offer price for foreign aluminum, glass or steel products plus the applicable preference. If the reduced bid or offer prices are made in writing and supersede the prior bid or offer prices, all bids or offers, including the reduced bid or offer prices, will be reevaluated in accordance with this rule.


**ADDITIONAL TERMS AND CONDITIONS (Architectural and Engineering Contracts
Only)**

1. **PLAN AND DRAWING DISTRIBUTION:** All plans and drawings must be completed and available for distribution at least five business days prior to a scheduled pre-bid meeting for the construction or other work related to the plans and drawings.
2. **PROJECT ADDENDA REQUIREMENTS:** The Architect/Engineer and/or Agency shall be required to abide by the following schedule in issuing construction project addenda. The Architect/Engineer shall prepare any addendum materials for which it is responsible, and a list of all vendors that have obtained drawings and specifications for the project. The Architect/Engineer shall then send a copy of the addendum materials and the list of vendors to the State Agency for which the contract is issued to allow the Agency to make any necessary modifications. The addendum and list shall then be forwarded to the Purchasing Division buyer by the Agency. The Purchasing Division buyer shall send the addendum to all interested vendors and, if necessary, extend the bid opening date. Any addendum should be received by the Purchasing Division at least fourteen (14) days prior to the bid opening date.
3. **PRE-BID MEETING RESPONSIBILITIES:** The Architect/Engineer shall be available to attend any pre-bid meeting for the construction or other work resulting from the plans, drawings, or specifications prepared by the Architect/Engineer.
4. **AIA DOCUMENTS:** Contracts for architectural and engineering services will be governed by the AIA document B101-2007, as amended by the Supplementary Conditions for the State of West Virginia, in addition to the terms and conditions contained herein when procured under Chapter 5G of the West Virginia Code.
5. **GREEN BUILDINGS MINIMUM ENERGY STANDARDS:** In accordance with West Virginia Code § 22-29-4, all new building construction projects of public agencies that have not entered the schematic design phase prior to July 1, 2012, or any building construction project receiving state grant funds and appropriations, including public schools, that have not entered the schematic design phase prior to July 1, 2012, shall be designed and constructed complying with the ICC International Energy Conservation Code, adopted by the State Fire Commission, and the ANSI/ASHRAE/IESNA Standard 90.1-2007: Provided, That if any construction project has a commitment of federal funds to pay for a portion of such project, this provision shall only apply to the extent such standards are consistent with the federal standards.

CERTIFICATION AND SIGNATURE PAGE

By signing below, or submitting documentation through wvOASIS, I certify that I have reviewed this Solicitation in its entirety; understand the requirements, terms and conditions, and other information contained herein; that I am submitting this bid, offer or proposal for review and consideration; that I am authorized by the vendor to execute and submit this bid, offer, or proposal, or any documents related thereto on vendor's behalf; that I am authorized to bind the vendor in a contractual relationship; and that to the best of my knowledge, the vendor has properly registered with any State agency that may require registration.

E.L. ROBINSON ENGINEERING Co.
(Company)

 ERIC J. COBERLY Project Manager
(Authorized Signature) (Representative Name, Title)

304 776-7473 304 776-6426 9/23/15
(Phone Number) (Fax Number) (Date)

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.

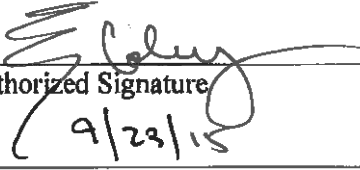
Addendum Numbers Received:
(Check the box next to each addendum received)

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

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

E.L. ROBINSON ENGINEERING Co.

Company


Authorized Signature

9/23/15
Date

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

STATE OF WEST VIRGINIA
Purchasing Division**PURCHASING AFFIDAVIT**

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

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

DEFINITIONS:

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

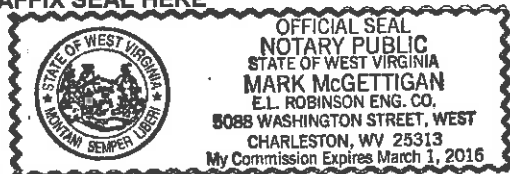
"Employer default" means having an outstanding balance or liability to the old fund or to the uninsured employers' fund or being in policy default, as defined in W. Va. Code § 23-2c-2, failure to maintain mandatory workers' compensation coverage, or failure to fully meet its obligations as a workers'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

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

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

WITNESS THE FOLLOWING SIGNATURE:Vendor's Name: E.L. ROBINSON ENGINEERING CO.Authorized Signature: [Signature] Date: 9/18/15State of West VirginiaCounty of Kanawha, to-wit:Taken, subscribed, and sworn to before me this 18 day of September, 2015.My Commission expires March 1, 2016.

AFFIX SEAL HERE

NOTARY PUBLIC [Signature]



E.L. ROBINSON
ENGINEERING

ESTABLISHED EXPERIENCE. PROVEN PERFORMANCE.