

Expression of Interest  
October 7, 2008



# DEP14381 COALDALE/BRAMWELL HILL WATERLINE DESIGN

*Professional Engineering Design  
and Construction Monitoring Services*



RECEIVED

08 OCT -7 AM 11:57

PURCHASING DIVISION  
STATE OF WV

E.L. Robinson Engineering Co.  
5088 Washington Street, West  
Charleston, WV 25313  
Phone: (304) 776-7473  
Fax: (304) 776-6426  
[www.elrobinson.com](http://www.elrobinson.com)



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

# Request for Quotation

RFQ NUMBER
DEP14381

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1

ADDRESS CORRESPONDENCE TO ATTENTION OF
CHUCK BOWMAN 304-558-2157

RFQ COPY

TYPE NAME/ADDRESS HERE

ENVIRONMENTAL PROTECTION  
DEPARTMENT OF  
OFFICE OF AML&R  
601 57TH STREET SE  
CHARLESTON, WV  
25304 304-926-0499

DATE PRINTED	TERMS OF SALE	SHIP VIA	FOB	FREIGHT TERMS		
09/04/2008						
BID OPENING DATE: 10/07/2008		BID OPENING TIME 01:30PM				
LINE	QUANTITY	UOP	CAT. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
0001	1	JB		906-94		
COALDALE/BRAMWELL HILL WATERLINE DESIGN SVC						
EXPRESSION OF INTEREST						
THE WEST VIRGINIA PURCHASING DIVISION, FOR THE AGENCY, THE WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, IS SOLICITING EXPRESSIONS OF INTEREST FOR PROFESSIONAL ENGINEERING DESIGN SERVICES AND CONSTRUCTION MONITORING SERVICES AT THE COALDALE/BRAMWELL HILL WATERLINE EXTENSION PROJECT IN MERCER COUNTY, WEST VIRGINIA, PER THE FOLLOWING BID REQUIREMENTS AND ATTACHED SPECIFICATIONS.						
BANKRUPTCY: IN THE EVENT THE VENDOR/CONTRACTOR FILES FOR BANKRUPTCY PROTECTION, THIS CONTRACT IS AUTOMATICALLY NULL AND VOID AND IS TERMINATED WITHOUT FURTHER ORDER.						
SEE REVERSE SIDE FOR TERMS AND CONDITIONS						
SIGNATURE		TELEPHONE		DATE		
TITLE		FEIN		ADDRESS CHANGES TO BE NOTED ABOVE		

WHEN RESPONDING TO RFQ, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'

October 7, 2008

West Virginia Department of Environmental Protection  
Office of AML & R  
601 57<sup>th</sup> Street  
Charleston, WV 25304

Attn: Eric J. Coberly, P.E., Chief

Re: Coaldale/Bramwell Hill Waterline Design SVC  
DEP14381  
Expression of Interest

Dear Mr. Coberly:

E. L. Robinson Engineering Co. (ELR) is pleased to submit this proposal in response to your request to perform professional engineering design services, mapping and construction monitoring services associated with the design of the Coaldale/Bramwell Hill Waterline Design project located in Mercer County.

We have completed plans and specifications for numerous waterline projects for WVDEP/AML and public utilities throughout West Virginia over the past ten years. We have descriptions of these projects in the attached proposal. Please note that the majority of staff that worked on these projects are still with ELR.

Mr. Ray Tilley, P.E., will be the Project Manager for this contract. Mr. Tilley has extensive experience in AML and non-AML waterline design and construction monitoring. Mr. Tilley served as Project Manager for the Falls Mills Road and Littleburg Road/WV 20 waterline extensions of Bluewell PSD in the early 1990's. He was employed by the PSD as their General Manager from 1996 to 2000. During this time, he prepared the Preliminary Engineering Report for the project which extended Bluewell PSD's water to the Town of Bramwell. As the PSD's Manager, he also prepared the AML application which has led to the current project.

ELR conducted the Coaldale/Bramwell Hill study for WVDEP/AML. ELR is now working for Bluewell Public Service District assisting with certain problems in its wastewater collection system. With our current relationship with Bluewell PSD; the long history of our personnel with Bluewell PSD's water system and this current project, ELR is uniquely qualified to serve as the engineer for the Coaldale/Bramwell Hill waterline extension project.

Coaldale/Bramwell Hill Waterline Design DEP14381

Expression of Interest

October 7, 2008

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In addition to the above very unique qualifications to perform the requested work; it is important to note the following information about ELR's overall qualifications to perform the work.

- A. ELR has ten (10) registered professional (civil or mining) engineers in the Primary Office.
- B. ELR has recent experience in designing eight (8) AML waterline projects and twenty five (25) non-AML related waterline projects. Ray Tilley and I have been responsible for hundreds of additional waterline projects while employed by others.
- C. ELR also has six (6) waterline engineering design teams lead by Gary Facemyer, P.E./Todd Garnes.; Ray Tilley, P.E./Craig Cobb; Tim Carte, P.E./Jason Mayes; Mark McGettigan, P.E./Joey Jude; Joe Carney, P.E./Ivan Gillispie; and Brian Morton, P.E./Shawn Kelly. All of these engineers have served as project manager/project engineer for waterline projects. A substantial number of field experienced support staff are available as needed.

E. L. Robinson Engineering Co. has grown from 13 employees in 1996 to over 70 employees today. Recent areas of growth of our company which we believe will enable ELR to supply the West Virginia AML with enhanced services are expansion of our inspection capabilities and acquiring the latest GPS systems to enhance our surveying capabilities. Through this growth period we have continued to meet project deadlines while providing a high quality engineering product.

Mr. Tilley's office location in Beckley, WV is centrally and conveniently located to the 1 AML office in Oak Hill and the referenced project.

E. L. Robinson Engineering Co. looks 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.

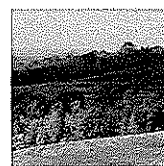
Sincerely,

E. L. Robinson Engineering Co.

By:

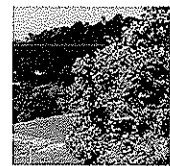
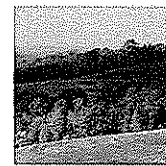


Gary Facemyer, P.E.  
Project Manager



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## EXECUTIVE SUMMARY

For more than ten years, E.L. Robinson Engineering Company 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 Co. fully understands the requirements for this project and is committed to giving the WVDEP/Office of Abandoned Mine Lands and Reclamation the time and attention that is necessary for the Reclamation 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 Co. approaches all engineering projects with the same attention to detail and fiscal responsibility to insure 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 Co. has over 50 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. E.L. Robinson Engineering Co. 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.

E.L. Robinson Engineering Co. 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 WVDEP/AML and Ohio DNR 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 issues.



## PROJECT APPROACH

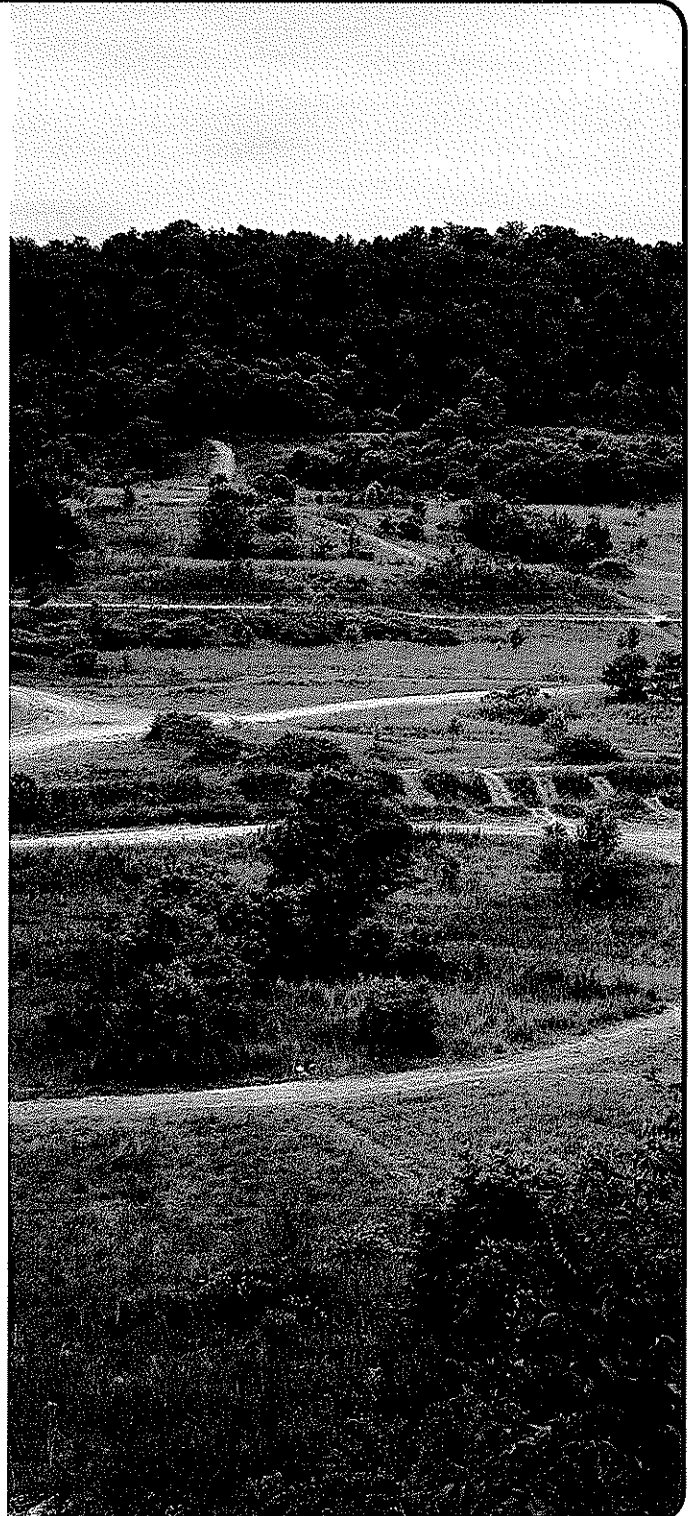
E.L. Robinson is familiar with the project area and the type of project you are seeking engineering services for. We believe that we have a thorough understanding of the work to be provided to the WVDEP/AML for the subject reclamation project.

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 by the WVDEP/AML





## OUR 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. Gary Facemyer, P.E.** will be assigned as the Project Manager.

**Mr. John Kelly, III, E.I.** will be assigned the CADD designer and principal production person for the project. He has performed this role for numerous mine reclamation projects.

**Mr. Timothy Cart, P.E., Mr. Randall Lackey, P.E. and Mr. Mark McGettigan, P.E.** will be assigned as the Project Engineers.

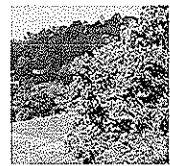
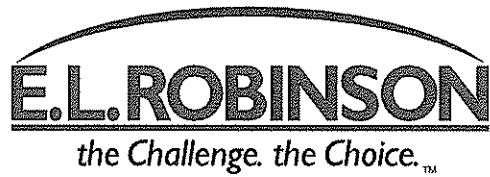
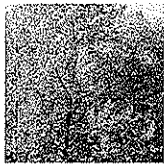
**Mr. James Rayburn, P.S.** will be assigned to oversee all surveying and mapping activities.

Our staff is well qualified and experienced in related reclamation projects. They have the knowledge and capabilities to perform all of the tasks required for your project.

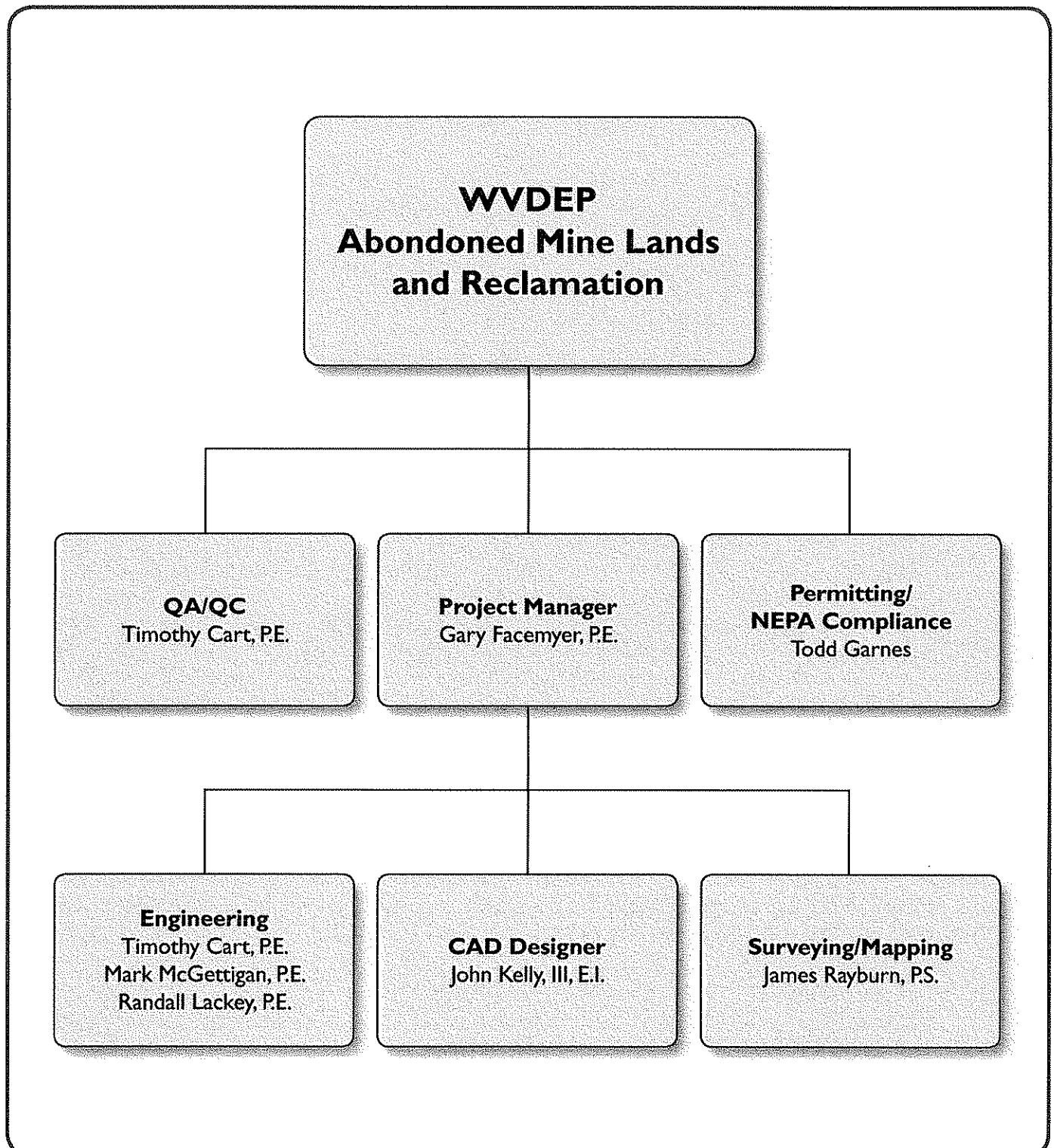
In addition to your primary project team, other members of our organization may be called upon from time-to-time to provide their expertise and assistance to ensure this important project is completed on-time and on-budget.

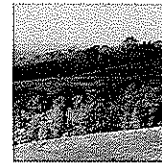
Our team of construction inspectors lead by Ronnie Williams, offers years of experience with construction monitoring.

Also, our team of surveyors managed by James Rayburn, P.S., provides the WVDEP/AML with the latest in technology and experience in surveying and mapping. By using GIS based mapping and high-tech instrumentation, E.L. Robinson's survey team can evaluate any type of surface. Other services pertaining to surveying that our company specializes in are aerial photogrammetric consulting, hydrographic surveying, land surveying and GPS surveying.



## OUR PROJECT TEAM





## OUR CAPABILITIES

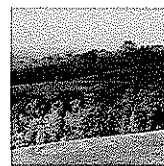
Over the past 30 years, E.L. Robinson Engineering Co. has focused its efforts on delivering quality projects to our clients and building strong relationships based on trust and partnership. We believe building lasting relationships with our clients is a key to delivering exceptional service for many years to come.

E.L. Robinson provides WVDEP/AML 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 over 50 employees, including 10 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 cost effective solution. Specifically, we look at ways we can maximize the project benefit and minimize the construction cost, at the same time completing projects on-time and within budget.





## PREVIOUS EXPERIENCE

E.L. Robinson is well qualified and experienced in mine reclamation projects. We are very familiar with the requirements of the project. 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 recent and past work on reclamation projects including:

- **Jacob's Fork Complex – recent P.O. September 2008**
- **Rhodell Refuse and Portals – final review comments, September 2008**
- **Gilmer B Sites 3-8 – final review comments, September 2008**
- **Ohio DNR Emergency Reclamation – 19 sites completed**
- **Toney Fork Landslide Emergency – complete February 2006**
- **North Matewan – complete February 2005**
- **Big Creek "C" Refuse – complete July 2004**
- **Charleston Romeo Landslide – complete May 2004**
- **Gooney Otter Refuse – complete January 2004**
- **Chapmanville (Gorby) Mine Blowout – December 2003**
- **Tuppers Creek (Layne) Landslide – July 2003**
- **Rich Fork (Thaxton) Landslide – July 2003**
- **Malds ville (Tennant) Landslide – February 2003**



WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AML CONSULTANT CONFIDENTIAL QUALIFICATION QUESTIONNAIRE				Attachment "B"
PROJECT NAME Coaldale/Bramwell Hill Waterline Design SVC - DEP14381		DATE (DAY, MONTH, YEAR) October 7, 2008	FEIN 55-0594633	
1. FIRM NAME E.L. Robinson Engineering Co.		2. HOME OFFICE BUSINESS ADDRESS 5088 Washington Street, West Charleston, WV 25313		3. FORMER FIRM NAME
4. HOME OFFICE TELEPHONE 304-776-7473	5. ESTABLISHED (YEAR) 1978	6. TYPE OWNERSHIP Individual x Corporation Partnership Joint-Venture	6a. WV REGISTERED DBE (Disadvantaged Business Enterprise) YES x NO	
7. PRIMARY AML DESIGN OFFICE: ADDRESS/ TELEPHONE/ PERSON IN CHARGE/ NO. AML DESIGN PERSONNEL EACH OFFICE 5088 Washington Street, West 304-776-7473/Gary Facemyer, P.E./50 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 Gary Facemyer, P.E. 304 776-7473 Ext. 212		
9. PERSONNEL BY DISCIPLINE (Bold Lettering Indicates Minimum Design Team Members)				
3 ADMINISTRATIVE ARCHITECTS	— ECOLOGISTS	— LANDSCAPE ARCHITECTS	6 STRUCTURAL ENGINEERS	
1 BIOLOGIST	— ECONOMISTS	— MECHANICAL ENGINEERS	6 SURVEYORS	
13 CADD OPERATORS	— ELECTRICAL ENGINEERS	1 MINING ENGINEERS	— TRAFFIC ENGINEERS	
— CHEMICAL ENGINEERS	— ENVIRONMENTALISTS	— PHOTOGRAMMETRISTS	— OTHER	
9 CIVIL ENGINEERS	— ESTIMATORS	— PLANNERS: URBAN/REGIONAL		
10 CONSTRUCTION INSPECTORS	— GEOLOGISTS	— SANITARY ENGINEERS		
— DESIGNERS	— HISTORIANS	1 SOILS ENGINEERS	50 TOTAL PERSONNEL	
— DRAFTSMEN	— HYDROLOGISTS	— SPECIFICATION WRITERS		
TOTAL NUMBER OF WV REGISTERED PROFESSIONAL ENGINEERS IN PRIMARY OFFICE: <u>10</u>				
*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? <input type="checkbox"/> YES <input type="checkbox"/> NO This is not applicable				



12. A. Is your firm experienced in Abandoned Mine Lands Remediation/Mine Reclamation Engineering?

☒ YES Description and Number of Projects: Forty Two (42) Projects - See Attached Sheet

- NO

B. Is your firm experienced in Soil Analysis?

☒ YES Description and Number of Projects: Eighteen (18) Projects - See attached Sheet

- NO

C. Is your firm experienced in hydrology and hydraulics?

☒ YES Description and Number of Projects: Ten (10) Projects - 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: Forty two (42) Total  
Eight (8) Domestic Waterline Experience (AML Related)  
Seventeen (17) Evaluation of Aquifer Degradation  
Twenty Five (25) 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		
Edward L. Robinson, President		YEARS OF AML DESIGN EXPERIENCE: 10	YEARS OF AML RELATED DESIGN EXPERIENCE: 24	YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE: 32
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				
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		
Gary Facemyer, P.E., PS		YEARS OF AML DESIGN EXPERIENCE: 19	YEARS OF AML RELATED DESIGN EXPERIENCE: 32	YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE: 32
Brief Explanation of Responsibilities				
Mr. Facemyer is the Project Manager/Engineer on public works projects with E. L. Robinson. Mr. Facemyer has served in that role with other companies over the past 32 years. He has participated in over 30 AML related projects including reclamation, water studies, waterline design and acid mine drainage projects. He has been the Project Manager on hundreds of domestic waterline projects over the past 32 years.				
EDUCATION (Degree, Year, Specialization)				
B. S. Civil Engineering WV Institute of Technology 1975				
MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS				
American Society of Civil Engineers - Past President WV American Council of Engineering Companies WV Society of Professional Surveyors				
REGISTRATION (Type, Year, State) Professional Engineer, WV OH PA MD VA KY 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		
John Kelly II, E.I.	YEARS OF AML DESIGN EXPERIENCE: 8	YEARS OF AML RELATED DESIGN EXPERIENCE: 8	YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE: 8
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		
Timothy B. Cart, P.E.	YEARS OF AML DESIGN EXPERIENCE: 25	YEARS OF AML RELATED DESIGN EXPERIENCE: 25	YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE: 20
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		
Mark McGettigan, P.E.	YEARS OF AML DESIGN EXPERIENCE: 7	YEARS OF AML RELATED DESIGN EXPERIENCE: 7	YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE: 7
Brief Explanation of Responsibilities			
<p>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.</p> <p>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.</p>			
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		
Randall L. Lackey, P.E.	YEARS OF AML DESIGN EXPERIENCE: 1	YEARS OF AML RELATED DESIGN EXPERIENCE: 1	YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE: 1
Brief Explanation of Responsibilities			
<p>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.</p> <p>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.</p>			
EDUCATION (Degree, Year, Specialization)			
B.S. Civil Engineering/1999			
MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS		REGISTRATION (Type, Year, State)	
		Professional Engineer WV	

13. PERSONAL HISTORY STATEMENT OF PRINCIPALS AND ASSOCIATES RESPONSIBLE FOR AML PROJECT DESIGN (Furnish complete data but keep to essentials)				
NAME & TITLE (Last, First, Middle Int.)		YEARS OF EXPERIENCE		
J. Todd Garnes		YEARS OF AML DESIGN EXPERIENCE: 5	YEARS OF AML RELATED DESIGN EXPERIENCE: 5	YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE: 5
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 landslides and subsidence projects in Ohio. Mr. Garnes has performed numerous water feasibility studies, which involved interviews, water sampling and analysis, mapping, mine research, and development of final reports.				
EDUCATION (Degree, Year, Specialization)				
A.S. Architectural Design/ 1999 A.S. Computer Aided Drafting and Design/ 1999				
MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS		REGISTRATION (Type, Year, State)		
13. PERSONAL HISTORY STATEMENT OF PRINCIPALS AND ASSOCIATES RESPONSIBLE FOR AML PROJECT DESIGN (Furnish complete data but keep to essentials)				
NAME & TITLE (Last, First, Middle Int.)		YEARS OF EXPERIENCE		
Thomas Rayburn, P.S.		YEARS OF AML DESIGN EXPERIENCE:	YEARS OF AML RELATED DESIGN EXPERIENCE: 30	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		
Scott LeRose, P.E.	YEARS OF AML DESIGN EXPERIENCE: 1	YEARS OF AML RELATED DESIGN EXPERIENCE: 1	YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE: 1
Brief Explanation of Responsibilities			
<p>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.</p> <p>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.</p> <p>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.</p>			
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		
Ray Tilley, P.E.	YEARS OF AML DESIGN EXPERIENCE:	YEARS OF AML RELATED DESIGN EXPERIENCE: 5	YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE: 30
Brief Explanation of Responsibilities			
<p>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.</p>			
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		
James Eric Gwinn, E.I.	YEARS OF AML DESIGN EXPERIENCE: 8	YEARS OF AML RELATED DESIGN EXPERIENCE: 8	YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE: 8
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		
Brian D. Morton, P.E.	YEARS OF AML DESIGN EXPERIENCE: 2	YEARS OF AML RELATED DESIGN EXPERIENCE: 2	YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE: 6
Brief Explanation of Responsibilities			
Mr. Morton has worked on waterline extension projects in Putnam County. He also has completed numerous waterline relocation projects involving the West Virginia Division of Highways.			
Mr. Morton has prepared signing and pavement marking plans and performed hydrologic and hydraulic calculations for culverts and other drainage structures and highway construction.			
EDUCATION (Degree, Year, Specialization)			
B.S. Civil Engineering/1998			
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 DOMESTIC WATERLINE DESIGN EXPERIENCE:
Joseph T. Carney, P.E.	YEARS OF AML DESIGN EXPERIENCE:	YEARS OF AML RELATED DESIGN EXPERIENCE:	32
Brief Explanation of Responsibilities			
Mr. Carney has extensive experience in design engineering, preparation of contract documents, construction inspection, and contract administration. He has worked on a variety of Civil Engineering projects including grading, earthwork, storm sewer, drainage studies, roadway, bridge design, hydrologic/hydraulic reports, sanitary sewer and water systems. EDUCATION (Degree, Year, Specialization)			
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 DOMESTIC WATERLINE DESIGN EXPERIENCE:
Jude, Joseph	YEARS OF AML DESIGN EXPERIENCE:	YEARS OF AML RELATED DESIGN EXPERIENCE:	
Brief Explanation of Responsibilities			
Mr. Jude is responsible for CADD design and engineering on infrastructure projects. He has completed numerous drainage and site development projects since joining ELR.			
EDUCATION (Degree, Year, Specialization)			
B.S. Civil Engineering Technology, WVU Tech A.S. Civil Engineering Technology, 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.)  Mayes, Jason M.	YEARS OF EXPERIENCE			YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE:
	YEARS OF AML DESIGN EXPERIENCE:	YEARS OF AML RELATED DESIGN EXPERIENCE:		
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.)	YEARS OF EXPERIENCE			YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE:
	YEARS OF AML DESIGN EXPERIENCE:	YEARS OF AML RELATED DESIGN EXPERIENCE:		
Brief Explanation of Responsibilities				
EDUCATION (Degree, Year, Specialization)				
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
Jacobs Fork Complex McDowell County	WVDEP/AML&R	Surveying, Mapping and Design	\$750,000	0
Gilmer B Sites 3-8 Gilmer County	WVDEP/AML&R	Surveying, Mapping and Design	\$675,000	95
Rhodell Refuse & Portals, Wyoming County	WVDEP/AML&R	Surveying, Mapping and Design	\$1.2 M	95
Holden Water System Upgrade Logan County	Logan County PSD P. O. Box 506 Logan, WV Attn: Rick Roberts	Design and Construction Management	\$6.0 M	85
Gilbert Slabtown Waterline Extension	Town of Gilbert P.O. Box 188 Gilbert, WV Attn: John White	Design and Construction Management	\$1.5 M	85
Lavalette PSD Rt. 37 Waterline Extension	Lavalette PSD 5308 Route 152 Lavalette, WV	Design and Construction Management	\$5.0 M	85
Danese Waterline Extension	Danese Public Service District	Design and Construction Management	\$6.0 M	85
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
Upshur County Industrial Park Upshur County	Upshur County EDA	Design	\$4.0 M	95
Miller Mountain Water Extension, Webster County	Webster County EDA Webster Springs, WV	Design and Construction Management	\$3.0 M	80
McDowell PSD Jolo Phase II Water McDowell County	McDowell Public Service District	Design and Construction Management	\$4.0 M	85
Dille/Widen Water Extension Clay County	Birch River PSD	Design and Construction Management	\$4.0 M	85
Dutch Ridge/Sanderson Water Extension, Kanawha County	Kanawha County RDA	Design and Construction Management	\$2.5 M	85
Williamson Sanitary Sewer Improvements	City of Williamson	Design and Construction Management	\$1.1 M	85
Lubeck Sanitary Sewer Extension, Wood County	Lubeck PSD Lubeck, WV	Design and Construction Management	\$2.1 M	0
TOTAL NUMBER OF PROJECTS: 14			TOTAL ESTIMATED CONSTRUCTION COSTS: \$ 42 Million	



17. COMPLETED WORK WITHIN LAST 5 YEARS ON WHICH YOUR FIRM WAS THE DESIGNATED ENGINEER OF RECORD					ESTIMATED CONSTRUCTION COST		YEAR	CONSTRUCTED (YES OR NO)
PROJECT NAME, TYPE AND LOCATION	NAME AND ADDRESS OF OWNER							
Glen Rogers Waterline Extension Wyoming County	WVDEP-AML 601 57 <sup>th</sup> Street Charleston, WV 25304				\$1.2 M		2007	Yes
Guyandotte River Bridge I-64 Cabell County	WV Dept. of Transportation Engineering Division Charleston, WV 25301 Attn: Gregory Bailey				\$2.25 M		2006	Yes
Corridor H Davis-Bismark X347-H-64.85 00 Tucker County	WV Dept. of Transportation Engineering Division Charleston, WV 25301 Attn: Gregory Bailey				\$9.0 M		2008	No
Bridgeport to Meadowbrook Rd Lodgeville & Simpson Creek Bridges I-79 Harrison County	WV Dept. of Transportation Engineering Division Charleston, WV 25301 Attn: James Sothen				\$11.0 M		2003	No
Chief Logan Recreational Center Logan County	WV State Parks				\$4.0 M		2007	Yes
Mt View Streeter Water Raleigh County	Flat Top PSD				\$2.5 M		2007	Yes
Consumers Gas Utility Co. Ritchie County Projects Gas Line Relocation Ritchie County	Consumers Gas Utility Co. P.O. Box 427 Pennsboro, WV 26415				\$0.3 M		2002	Yes
WVDEP-AML Jeffrey Mine Complex Abandoned Mine Land Rec. Boone County	WVDEP-AML 10 McJunkin Road Nitro, WV 25143				\$0.4 M		2002	Yes

18. COMPLETED WORK WITHIN LAST 5 YEARS ON WHICH YOUR FIRM HAS BEEN A SUB-CONSULTANT TO OTHER FIRMS (INDICATE PHASE 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
Appalachian Corridor D Blennerhassett Island Bridge X354-D-0.00	Sub to Michael Baker, Jr., Inc. Surveying, structural design, hydraulic & scour analysis	WV Dept. of Transp. Division of Highways Engineering Div. Charleston, WV 25301	2004	No	Sub to Michael Baker, Jr., Inc.
I-70 Ft. Henry IC Bridge X335-70-9.50 00	Sub to Michael Baker, Jr., Inc. Post Design Services	WV Dept. of Transp. Division of Highways Engineering Div. Charleston, WV 25301	2004	No	Sub to Michael Baker, Jr., Inc.
Appalachian Corridor H Section 3 Davis to Bismark	Sub to Modjeski & Masters Survey, Geotech & ROW Plans	WV Dept. of Transp. Division of Highways Engineering Div. Charleston, WV 25301	2004	No	Sub to Modjeski & Masters

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. See attached additional information in Section 19.

20. The foregoing is a statement of facts.

Signature: Gary Facemyer Title: PROJECT MANAGER  
 Printed Name: Gary D. Facemyer, P.E.

Date:  
 October 7, 2008

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



## 12E DOMESTIC WATERLINE DESIGN EXPERIENCE AML RELATED

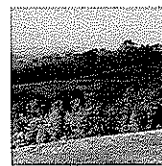
**Project:** Lick Creek  
Waterline Extension Project  
Mingo County, WV  
**Year:** 2003  
**Client:** Mingo County Commission  
**Contact:** Sheila Erwin 304 235-0338  
**Description:** Prepared plans and specifications for the construction of a waterline extension to serve 249 customers along Rt. 49. The project involved approximately 60,000 linear feet of 8 inch or smaller waterline, one booster pump station and one water storage tank.

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**Project:** Glen Rogers  
Waterline Extension Project  
Wyoming County, WV  
**Year:** August 2002  
**Client:** WVDEP-AML  
116 Industrial Drive  
Oak Hill, WV 25901  
**Contact:** Dean Stiltner 465-1911  
**Description:** Preparing plans and specifications for the construction of a waterline extension to serve the Glen Rogers area of Wyoming County. The project involved approximately two and one-half miles of waterline, pump station and water storage tank.

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**Project:** Davis Water Tank Project  
Tucker County, WV  
**Year:** June 2002  
**Client:** WVDEP-AML  
10 McJunkin Road  
Nitro, WV 25143  
**Contact:** Gregg Smith 304 457-4583  
**Description:** Prepared plans and specifications for the construction of a water tank to serve as a replacement to the existing tank that was damaged due to the mine subsidence. A mine grouting program was developed to stabilize the ground beneath the constructed tank

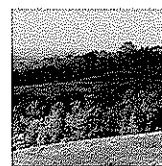


## 12E DOMESTIC WATERLINE DESIGN EXPERIENCE AML RELATED

**Project:** Coopers Rock, Pisgah and Laurel Run  
Waterline Extension Project  
Preston County, WV  
**Year:** September 2001  
**Client:** WVDEP-AML  
10 McJunkin Road  
Nitro, WV 25143  
**Contact:** Danny Bess 759-0521  
**Description:** Prepared plans and specifications for the construction of a waterline extension to serve the Coopers Rock, Pisgah and Laurel Run areas of Preston County. The project involved approximately seven miles of waterline, one booster pump station and one water storage tank.

**Project:** Mount Zion  
Waterline Extension Project  
Preston County, WV  
**Year:** August 2001  
**Client:** WVDEP-AML  
105 South Railroad St., Suite 301  
Philippi, WV 26416  
**Contact:** Greg Smith 457-3219  
**Description:** Prepared plans and specifications for the construction of a waterline extension to serve the Mount Zion area of Preston County. The project involved approximately two and one-half miles of waterline and a pressure reducing station. Riprap ditch projection was also provided on the steeper grades.

**Project:** Matewan/Red Jacket/Newtown  
Mingo County, WV  
**Year:** June 1998  
**Client:** WVDEP-AML  
10 McJunkin Road  
Nitro, WV 25143  
**Contact:** Danny Bess 759-0521  
**Description:** Prepared plans and specifications for the construction of a waterline to serve the Matewan/Red Jacket/Newtown area of Mingo County. This area's groundwater had been affected by pre-law mining. The project involved approximately 13 miles of waterline, two (2) booster pump stations and two (2) water storage tanks.

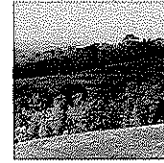


## 12E DOMESTIC WATERLINE DESIGN EXPERIENCE AML RELATED

**Project:** Marrowbone Waterline Project  
Mingo County, WV  
**Year:** June 1998  
**Client:** WVDEP-AML  
10 McJunkin Road  
Nitro, WV 25143  
**Contact:** Danny Bess 759-0521  
**Description:** Prepared plans and specifications for the construction of a waterline system to serve the Marrowbone Creek area. This area's groundwater quality has been affected by pre-law mining. The project involved approximately 10.5 miles of waterline, two booster pump stations, and one storage tank.

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**Project:** Pigeon Creek Waterline Project  
Mingo County, WV  
**Year:** June 1998  
**Client:** WVDEP-AML  
10 McJunkin Road  
Nitro, WV 25143  
**Contact:** Danny Bess 759-0521  
**Description:** Prepared plans and specifications for the construction of a waterline system to serve the Pigeon Creek area. This area's groundwater quality has been affected by pre-law mining. The project involved approximately 29 miles of waterline, three (3) storage tanks, and four (4) booster pump stations.



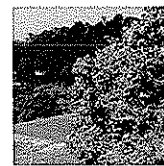
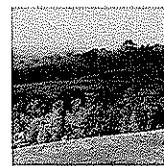
## 12E NON AML DOMESTIC WATERLINE EXPERIENCE

**Project:** Holden Water System Upgrade Project  
**Year:** 2007  
**Client:** Logan County PSD  
**Contact:** Rick Roberts, Managing Engineer  
304-946-2641  
**Description:** Prepared engineering design, plans, and specifications for 65,000 linear foot of 10 inch or smaller waterline to serve 690 customers in Logan County.

**Project:** Route 37 Waterline Extension Project  
**Year:** 2007  
**Client:** Lavalette PSD  
**Contact:** Darrell Wellman, General Manager  
304-525-3711  
**Description:** Prepared engineering design, plans, and specifications for 84,000 linear foot of 8 inch or smaller waterline to serve 258 customers in Wayne County.

**Project:** Route 52 North Waterline Extension Project  
**Year:** 2004  
**Client:** Lavalette PSD  
**Contact:** Darrell Wellman, General Manager  
304-525-3711  
**Description:** Prepared engineering design, plans, specifications for 72,000 linear foot of 8 inch waterline and 44,000 of 6 inch waterline along Route 52 and on Hurricane Creek and Little Hurricane Creek and necessary appurtances to serve 260 customers in Wayne County.

**Project:** Hukill Run & Greens Run Waterline Extension  
**Year:** 2004  
**Client:** Hammond PSD  
**Contact:** Bob Hildebrand, General Manager  
304-737-4421  
**Description:** Prepared engineering design, plans, specifications for 25,000 linear foot of waterline along Routes 30, 28 and 67 to serve 39 customers in Brooke County.



## 12E NON AML DOMESTIC WATERLINE EXPERIENCE

**Project:** Rt. 34 / Winfield Exit  
**Year:** 2003  
**Client:** South Putnam PSD  
**Contact:** Fred Stottlemeyer, General Manager  
304-757-6551  
**Description:** Prepared engineering design, plans, specs for 7,500 linear foot of waterline due to the widening of Route 34.

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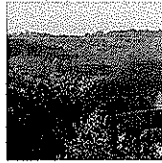
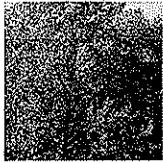
**Project:** Widening of Rt. 34  
**Year:** 2003  
**Client:** South Putnam PSD  
**Contact:** Fred Stottlemeyer, General Manager  
304-757-6551  
**Description:** Prepared engineering design, plans, specifications for over two miles of waterline due to the widening of Rt. 34 in Teays Valley.

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**Project:** Right Fork of Wilson and Newcomb Creek  
**Year:** 2002  
**Client:** Wayne County Commission  
P.O. Box 248  
Wayne, WV 25570  
**Contact:** James Booton, Commissioner  
304-272-6350  
**Description:** Prepared engineering design, plans, specs for over 9 miles of new 6" and 2" water lines, a 78,000 gallon water tank, and a 70 gpm pump station to serve 160 customers of Wilson and Newcomb Creek.

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**Project:** Crockett and Millers Fork Waterline Extension  
**Year:** 2002  
**Client:** Wayne County Commission  
P.O. Box 248  
Wayne, WV 25570  
**Contact:** James Booton, Commissioner  
304-272-6350  
**Description:** Prepared engineering design, plans, specs for over 13 miles of new 6" and 2" water lines, water storage tank and pump station to serve more than 150 customers



## 12E NON AML DOMESTIC WATERLINE EXPERIENCE

**Project:** Southern Wayne County Waterline Extension  
**Year:** 2002  
**Client:** Wayne County Commission  
P.O. Box 248  
Wayne, WV 25570  
**Contact:** James Booton, Commissioner  
304-272-6350  
**Description:** Prepared engineering design, plans, specs for over 100 miles of new 6" and 2" water lines, water storage tanks and pump station to serve more than 1200 customers

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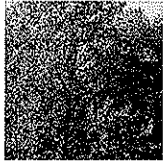
**Project:** Laurel Creek Waterline Extension  
**Year:** 2001  
**Client:** Town of Wayne  
P.O. Box 186  
Wayne, WV 25570  
**Contact:** James Ramey, Jr., III, Mayor  
304-272-3221  
**Description:** Prepared engineering design, plans and specs for approximately seven (7) miles of L.F. of new 6" and 2" water lines, one booster pumps station for the Town of Wayne.

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**Project:** Route 34/Winfield Exit  
**Year:** 2001  
**Client:** South Putnam PSD  
**Contact:** Fred Stottlemeyer, General Manager  
304-757-6551  
**Description:** Prepared engineering design and construction inspection for the relocation of 1,600 L.F. of 8" sanitary sewer, 7,500 L.F. of 6", 8", 10" and 12" waterline due to widening of Route 34.

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**Project:** Cabell County Waterline Extension  
**Year:** 1999  
**Client:** West Virginia American Water Co.  
1900 Pennsylvania Ave.  
Charleston, WV 25301  
**Contact:** Jim Nagy  
(304)340-2018  
**Description:** Prepared engineering design, plans, specs for over 45,219 L.F. of new 8", 6" and 2" water lines for Cabell County, WV.



## 12E NON AML DOMESTIC WATERLINE EXPERIENCE

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**Project:** 18 Mile Creek Waterline Extension  
**Year:** 1999  
**Client:** West Virginia American Water Co.  
1900 Pennsylvania Ave.  
Charleston, WV 25301  
**Contact:** Dave Carovallano  
(304)340-2018  
**Description:** Prepared engineering design, plans, specs for over 48,750 L.F. of 8", 6" and 2" water lines in the 18 Mile Creek area of Putnam County, WV.

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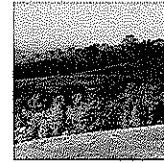
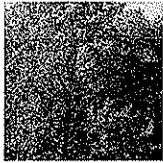
**Project:** Kanawha County Water Projects  
**Year:** 1997  
**Client:** Kanawha County Regional Development Authority  
409 Virginia Street, East  
Charleston, WV 25301  
**Contact:** Dave Bostic, Planning Director  
(304) 357-0570  
**Description:** Prepared engineering design, plans, specs for over 100,000 L.F. of new 8" and 6" water lines at thirteen locations in Kanawha County and will serve over 500 new customers. Also provided construction inspection.

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**Project:** Edgewood Summit Water Storage Tank  
**Year:** 1994  
**Client:** West Virginia American Water Company  
P. O. Box 1906  
Charleston, WV 25327  
**Contact:** Mark Sankoff, P.E.  
(304) 340-2012  
**Description:** Preparing engineering design, plans and specs for a 194,000 gallon water tank to serve Edgewood Summit Retirement Community.

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**Project:** Corridor "G" Waterline Extension  
**Year:** 1993  
**Client:** Southern Public Service Company  
1075 Main Street  
Milton, WV 25541  
**Contact:** Tim Wilcox, President  
(304) 743-3501  
**Description:** Design 7,800 L.F. of 6" waterline, a pump station and a water tank due to the construction of Corridor G near Holden and Logan, West Virginia. Construction inspection was also provided.



## 12E NON AML DOMESTIC WATERLINE EXPERIENCE

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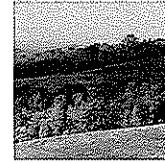
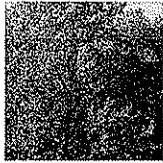
**Project:** Rockstep Road Upgrade  
**Year:** 1990  
**Client:** South Putnam PSD  
**Contact:** Fred Stottlemeyer, General Manager  
304-757-6551  
**Description:** Prepared engineering design, plans, specs for 15,000 L.F. of new 8" and 6" water lines and a new 200,000 gallon water storage tank. Also provided construction inspection.

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**Project:** Coopers Creek Waterline Extension  
**Year:** 1989  
**Client:** Kanawha County Planning Commission  
409 Virginia Street, East, 2nd Floor  
Charleston, WV 25301  
**Contact:** David Bostic  
(304) 357-0570  
**Description:** Prepared engineering design, plans, specs for over 5,350 L.F. of water lines to serve 38 new customers. Also provided construction inspection.

---

**Project:** Widening of WV 34 in Teays Valley  
**Year:** 1989  
**Client:** South Putnam PSD  
**Contact:** Fred Stottlemeyer, General Manager  
304-757-6551  
**Description:** Prepared engineering design, plans, specs for over 2 miles of new 6", 8" and 12" water lines, due to the widening of WV 34 in Teays Valley.



## 12E EVALUATION OF AQUIFER DEGRADATION

**Project:** Boone County PSD Waterline Feasibility Study  
**Boone County, WV**  
**Year:** 2007-2008  
**Client:** WVDEP-AML  
Oak Hill, WV  
**Contact:** Dean Stiltner (304) 465-1911  
**Description:** Performed a Phase I investigation of the project area to determine if pre-law mining had affected the quantity and quality of the water in the study area. The investigation included interviews with area residents and water testing and analysis. The investigation concluded the groundwater in the area had been affected by pre-law mining and a Phase II investigation was recommended. It was also recommended to revise the study area to exclude a post-law mining area in the southern portion of the project.

The Phase II investigation was commenced and additional interviews and water testing and analysis was performed. The Phase II investigation recommended that the study area be again revised. The newly revised study area had 65% of the groundwater resources impacted by pre-law mining, therefore being eligible for Abandoned Mine Lands funding.

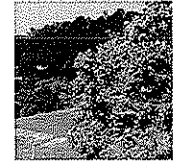
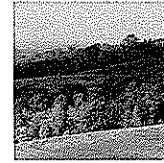
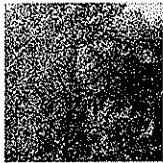
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**Project:** New Haven PSD Waterline Feasibility Study  
**Fayette County, WV**  
**Year:** 2006  
**Client:** WVDEP-AML  
601 57th Street  
Charleston, WV  
**Contact:** Dean Stiltner (304) 465-1911  
**Description:** This waterline feasibility study was divided into four projects. These projects are described below.

Arrowwood Creek Road / Dotson Ridge Road - A Phase I investigation was performed by conducting interviews with area residents and water testing and analysis. The investigation concluded the groundwater in the area had been affected by pre-law mining and a Phase II investigation was recommended.

The Phase II investigation was commenced and additional interviews and water testing and analysis was performed. The investigation found that a majority of the study area had been impacted by post-law mining and therefore not eligible for Abandoned Mine Lands funding.

Beauty Mountain / Sub-Station Road - A Phase I investigation was performed by conducting interviews with area residents and water testing and analysis. The investigation concluded the groundwater in the area had been affected by pre-law mining and a Phase II investigation was recommended.



## 12E EVALUATION OF AQUIFER DEGRADATION

The Phase II investigation was commenced and additional interviews and water testing and analysis was performed. The investigation found that 100% of the study area had been affected by pre-law mining and therefore eligible for Abandoned Mine Lands funding.

Derryhale / Sun Mine Road - A Phase I investigation was performed by conducting interviews with area residents and water testing and analysis. The investigation concluded the groundwater in the area had been affected by pre-law mining and a Phase II investigation was recommended.

The Phase II investigation was commenced and additional interviews and water testing and analysis was performed. The investigation found that 89% of the study area had been affected by pre-law mining and therefore eligible for Abandoned Mine Lands funding.

Edmond Road - A Phase I investigation was performed by conducting interviews with area residents and water testing and analysis. The investigation concluded the groundwater in the area had been affected by pre-law mining and a Phase II investigation was recommended.

The Phase II investigation was commenced and additional interviews and water testing and analysis was performed. The investigation found that less than 50% of the study area had been affected by pre-law mining and therefore not eligible for Abandoned Mine Lands funding.

**Project:** New Haven Waterline Feasibility Study  
Mason County, WV

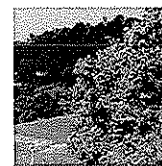
**Year:** 2005

**Client:** WVDEP-AML  
10 McJunkin Road  
Nitro, WV 25143

**Contact:** Dean Stiltner (304) 465-1911

**Description:** Performed a Phase I investigation of the project area to determine if pre-law mining had affected the quantity and quality of the water in the study area. The investigation included interviews with area residents and water testing and analysis. The investigation concluded the groundwater in the area had been affected by pre-law mining and a Phase II investigation was recommended.

The Phase II investigation was commenced and additional interviews and water testing and analysis was performed. The investigation found that less than 50% of the study area had been affected by pre-law mining and therefore not eligible for Abandoned Mine Lands funding.



## 12E EVALUATION OF AQUIFER DEGRADATION

**Project:** Danese PSD Waterline Feasibility Study  
Fayette County, WV

**Year:** 2005

**Client:** WVDEP-AML  
Oak Hill, WV

**Contact:** Dean Stiltner (304) 465-1911

**Description:** Performed a Phase I investigation of the project area to determine if pre-law mining had affected the quantity and quality of the water in the study area. The investigation included interviews with area residents and water testing and analysis. The investigation concluded the groundwater in the area had been affected by pre-law mining and a Phase II investigation was recommended.

The Phase II investigation was commenced and additional interviews and water testing and analysis was performed. The investigation found that 89% of the study area had been affected by pre-law mining and therefore eligible for Abandoned Mine Lands funding.

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**Project:** Mercer County Commission Waterline Feasibility Study  
Mercer County, WV

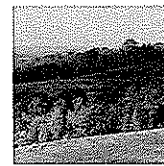
**Year:** 2003

**Client:** WVDEP-AML  
Oak Hill, WV

**Contact:** Dean Stiltner (304) 465-1911

**Description:** Performed a Phase I investigation of the project area to determine if pre-law mining had affected the quantity or quality of the water in the study area. The investigation included the evaluation of acid mine drainage sources and water sampling and analysis of seeps and groundwater sources. The investigation concluded that this area has not been affected by pre-law mining; therefore a Phase II investigation was not pursued.

The Phase II investigation was conducted which included interviews with residents in the area and additional water testing and analysis. The Phase II investigation concluded that less than 50% of the residents' access to water had been affected by pre-law mining.

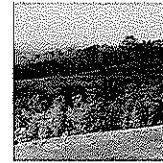


## 12E EVALUATION OF AQUIFER DEGRADATION

**Project:** Dingess Area Waterline Feasibility Study  
Mingo County, WV  
**Year:** 2001 & 2003  
**Client:** WVDEP-AML  
10 McJunkin Road  
Nitro, WV 25143  
**Contact:** Danny Bess (304) 759-0521  
**Description:** Performed a Phase I investigation of the project area to determine if pre-law mining had affected the quantity or quality of the water in the study area. The investigation included the evaluation of acid mine drainage sources and water sampling and analysis of seeps and groundwater sources. The investigation concluded that this area has not been affected by pre-law mining; therefore a Phase II investigation was not pursued.

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**Project:** Sharon Heights and Gilbert Creek Waterline Feasibility Study  
Mingo County, WV  
**Year:** May 2002  
**Client:** WVDEP-AML  
10 McJunkin Road  
Nitro, WV 25143  
**Contact:** Danny Bess (304) 759-0521  
**Description:** Performed a Phase I investigation of the project area to determine if pre-law mining had affected the quantity or quality of the water in the study area. The investigation included the evaluation of acid mine drainage sources and water sampling and analysis of seeps and groundwater sources. The investigation concluded that this area has not been affected by pre-law mining; therefore a Phase II investigation was not pursued.



## 12E EVALUATION OF AQUIFER DEGRADATION

**Project:** Amherstdale Waterline Feasibility Study  
**Logan County, WV**

**Year:** April 2002

**Client:** WVDEP-AML  
10 McJunkin Road  
Nitro, WV 25143

**Contact:** Danny Bess (304) 759-0521

**Description:** Performed a Phase I investigation of the project area to determine if pre-law mining had affected the quantity or quality of the water in the study area. The investigation included the evaluation of acid mine drainage sources and water sampling and analysis of seeps and groundwater sources. The investigation concluded that this area has not been affected by pre-law mining; therefore a Phase II investigation was not pursued.

In April 2003, a Phase II investigation was conducted due to condition changes allegedly brought on by pre-law mining. The Phase II investigation was conducted which included interviews with residents in the area and additional water testing and analysis. The Phase II investigation concluded that a substantial portion of the resident's access to water had been affected by pre-law mining.

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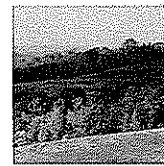
**Project:** Ragland Area Waterline Feasibility Study  
**Mingo County, WV**

**Year:** April 2002

**Client:** WVDEP-AML  
10 McJunkin Road  
Nitro, WV 25143

**Contact:** Danny Bess (304) 759-0521

**Description:** Performed a Phase I investigation of the project area to determine if pre-law mining had affected the quantity or quality of the water in the study area. The investigation included the evaluation of acid mine drainage sources and water sampling and analysis of seeps and groundwater sources. The investigation concluded that this area has not been affected by pre-law mining; therefore a Phase II investigation was not pursued.



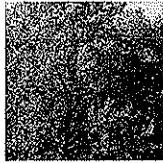
## 12E EVALUATION OF AQUIFER DEGRADATION

**Project:** Beech Creek and Ben Creek Waterline Feasibility Study  
Mingo County, WV  
**Year:** April 2002  
**Client:** WVDEP-AML  
10 McJunkin Road  
Nitro, WV 25143  
**Contact:** Danny Bess (304) 759-0521  
**Description:** Performed a Phase I investigation of the project area to determine if pre-law mining had affected the quantity or quality of the water in the study area. The investigation included the evaluation of acid mine drainage sources and water sampling and analysis of seeps and groundwater sources. The investigation concluded that this area has not been affected by pre-law mining; therefore a Phase II investigation was not pursued.

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**Project:** Lick Creek Phase I and Phase II Investigations  
Mingo County, WV  
**Year:** June 2001  
**Client:** WVDEP-AML  
116 Industrial Drive  
Oak Hill, WV 25901  
**Contact:** Dean Stiltner (304) 465-1911  
**Description:** A Phase I investigation was conducted to assess the affects of pre-law mining on the water quality and quantity of the study area. The investigation included the evaluation of acid mine drainage sources and water sampling and analysis of seeps and groundwater sources. Sufficient data was gathered to recommend a Phase II investigation be conducted.

The Phase II investigation was conducted, which included interviews with residents in the study area. The Phase II investigation concluded that a substantial portion of the residents' access to water had been affected by pre-law mining.



## 12E EVALUATION OF AQUIFER DEGRADATION

**Project:** Blair/Sharples Phase I and Phase II Investigations  
**Logan County, WV**

**Year:** May 2001

**Client:** WVDEP-AML  
10 McJunkin Road  
Nitro, WV 25143

**Contact:** Danny Bess (304) 759-0521

**Description:** A Phase I investigation was conducted to assess the affects of pre-law mining on the water quality and quantity of the study area. The investigation included the evaluation of acid mine drainage sources and water sampling and analysis of seeps and groundwater sources. Sufficient data was gathered to recommend a Phase II investigation be conducted.

The Phase II investigation was conducted which included interviews with residents in the area and additional water testing and analysis. During the interview portion of the Phase II investigation it was concluded that the population of the study area had substantially declined and would probably continue to decline in the future. The average cost per customer would have been prohibitive and it was recommended that the Phase II study be terminated with an abbreviated report issued.

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**Project:** Camp Creek Phase I and Phase II Investigations  
**Wayne County, WV**

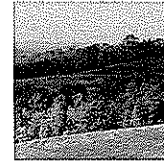
**Year:** May 2001

**Client:** WVDEP-AML  
10 McJunkin Road  
Nitro, WV 25143

**Contact:** Danny Bess (304) 759-0521

**Description:** A Phase I investigation was conducted to assess the affects of pre-law mining on the water quality and quantity of the study area. The investigation included the evaluation of acid mine drainage sources and water sampling and analysis of seeps and groundwater sources. Sufficient data was gathered to recommend a Phase II investigation be conducted.

The Phase II investigation was conducted which included interviews with residents in the area and additional water testing and analysis. The Phase II investigation concluded that over 50% of the water supplies of residents within the study area had been adversely affected by pre-law mining.



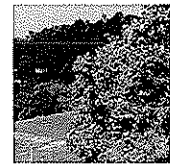
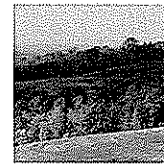
## 12E EVALUATION OF AQUIFER DEGRADATION

**Project:** Jennie Creek Phase I Investigation  
**Mingo County, WV**  
**Year:** April 2001  
**Client:** WVDEP-AML  
116 Industrial Drive  
Oak Hill, WV 25901  
**Contact:** Dean Stiltner (304) 465-1911  
**Description:** Performed a Phase I investigation of the project area to determine if pre-law mining had affected the quantity or quality of the water in the study area. The investigation included the evaluation of acid mine drainage sources and water sampling and analysis of seeps and groundwater sources. The investigation concluded that this area has not been substantially affected by pre-law mining; therefore a Phase II investigation was not pursued.

**Project:** Beech Creek and Ben Areas Phase I Investigation  
**Mingo County, WV**  
**Year:** April 2001  
**Client:** WVDEP-AML  
116 Industrial Drive  
Oak Hill, WV 25901  
**Contact:** Dean Stiltner (304) 465-1911  
**Description:** Performed a Phase I investigation of the project area to determine if pre-law mining had affected the quantity or quality of the water in the study area. The investigation included the evaluation of acid mine drainage sources and water sampling and analysis of seeps and groundwater sources. The investigation concluded that this area has not been affected by pre-law mining; therefore a Phase II investigation was not pursued.

**Project:** Coaldale and Coaldale Mountain Phase I and Phase II Investigation  
**Mercer County, WV**  
**Year:** May 2000  
**Client:** WVDEP-AML  
10 McJunkin Road  
Nitro, WV 25143  
**Contact:** Danny Bess (304) 759-0521  
**Description:** Performed a Phase I investigation of the project area to determine if pre-law mining had affected the quantity or quality of the water in the study area. The investigation included the evaluation of acid mine drainage sources and water sampling and analysis of seeps and groundwater sources. Sufficient data was gathered to recommend a Phase II investigation be conducted.

The Phase II investigation was conducted which included interviews with residents in the area and additional water testing and analysis. The Phase II investigation concluded that a substantial portion of the resident's access to water had been affected by pre-law mining.

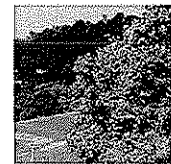
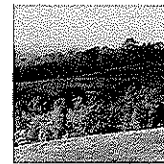


## 12E EVALUATION OF AQUIFER DEGRADATION

**Project:** Nubbin Ridge/Camp Creek/Spanishburg Phase I Investigation  
**Mercer County, WV**  
**Year:** March 2000  
**Client:** WVDEP-AML  
10 McJunkin Road  
Nitro, WV 25143  
**Contact:** Danny Bess (304) 759-0521  
**Description:** Performed a Phase I investigation of the project area to determine if pre-law mining had affected the quantity or quality of the water in the study area. The investigation included the evaluation of acid mine drainage sources and water sampling and analysis of seeps and groundwater sources. The investigation concluded that this area has not been affected by pre-law mining; therefore a Phase II investigation was not pursued.

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**Project:** Browning Lambert Mountain Phase I Investigation  
**Mercer County, WV**  
**Year:** March 2000  
**Client:** WVDEP-AML  
10 McJunkin Road  
Nitro, WV 25143  
**Contact:** Danny Bess (304) 759-0521  
**Description:** Performed a Phase I investigation of the project area to determine if pre-law mining had affected the quantity or quality of the water in the study area. The investigation included the evaluation of acid mine drainage sources and water sampling and analysis of seeps and groundwater sources. The investigation concluded that this area has not been affected by pre-law mining; therefore a Phase II investigation was not pursued.



## 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, Pennsylvania, North Carolina, South Carolina, Virginia, Georgia, Maryland and Colorado  
Registered Professional Surveyor in West Virginia

### **Professional Experience**

Mr. Robinson founded E. L. Robinson Engineering Co. in 1978 with four employees. Initially the firm provided land surveying and land development services. Over the course of the next 20 years, the firm added water and wastewater engineering as well as structural inspection services simultaneously growing to 14 employees.

Under his leadership, E. L. Robinson enters the new millennium as a multi-disciplined professional services firm that utilizes the latest technology in the design of highways, bridges, structures, environmental, civil, and geotechnical projects as well as global position satellite surveying, right-of-way, construction inspection and architectural services.

The firm now employs more than 85 engineers, architects, surveyors and support personnel and has been converted to an employee owned company through an Employee Stock Ownership Plan (ESOP).

### **Professional Memberships**

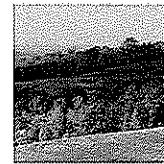
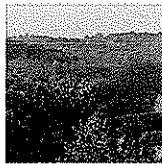
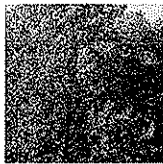
National Society of Professional Engineers  
American Society of Civil Engineers  
Water Environmental Federation

### **Offices Held**

Chairman of WVUIT Advisory Board  
President of West Virginia Council of Engineering Companies  
Chairman Transportation Committee – WV Association of Consulting Engineers  
State Director of West Virginia Society of Professional Engineers  
President of West Virginia Society of Professional Engineers  
Assistant Treasurer of the American Society of Civil Engineers  
National Director of the ASCE representing WV, NC, SC and VA  
President of West Virginia Section of ASCE

### **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



**GARY FACEMYER, P.E., P.S.**

*PROJECT MANAGER*

**Education**

B.S. Civil Engineering, West Virginia Institute of Technology, 1975

**Professional Registrations**

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

Registered Professional Surveyor in West Virginia

**Professional Memberships**

American Society of Civil Engineers

American Water Works Association

WV Rural Water Association

American Council of Engineering Companies/West Virginia

WV Society of Professional Surveyors

**Professional Experience**

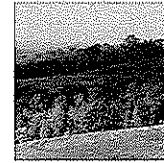
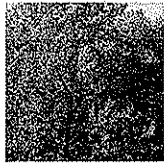
Mr. Facemyer has been in responsible charge of planning, permitting, design and construction of public works projects for more than 30 years.

Mr. Facemyer has been Project Manager/Project Engineer on various numerous abandoned mine reclamation project while employed by others and has extensive experience in water line extension and distribution systems; site development, solid waste landfills, earthen dams, geotechnical investigations, hazardous waste sites and many other miscellaneous civil engineering projects.

Duties included project planning and design, managing construction bid and award, construction oversight and inspection, and project closeout.

**Representative Projects**

- Abandoned Mine Land Reclamation
  - » Land Reclamation Grading and Drainage
  - » Subsurface Investigation,
  - » Aquifer Degradation Evaluation,
  - » Waterline Design
  - » Acid Mine Drainage
- Geotechnical Investigations
- Wetland Design
- Water Distribution, Pumping and Storage
- Surveying and Mapping
- Construction Management
- Earthen Dams
- Wastewater Collection and Treatment
- Sanitary and Industrial Landfill
- Commercial Site Development
- Hazardous Waste Site Development
- Hazardous Waste Tank Certification
- Residential Development
- Wireless Communications



**TIMOTHY B. CART, P.E., P.S.**

*PROJECT ENGINEER*

**Education**

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

**Registrations**

Registered Professional Engineer in West Virginia and Ohio

Registered Professional Surveyor in West Virginia

**Professional Memberships**

American Society of Civil Engineers

**Professional Experience**

Mr. Cart has over 25 years of experience in providing consulting engineering services. Clients served have included Industrial, Public and Private Institutions and State and Federal Agencies.

Mr. Cart has served as Project Engineer on numerous geotechnical investigations over the years. These projects have included highways, bridges, industrial sites and private development.

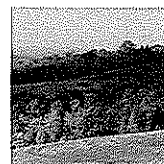
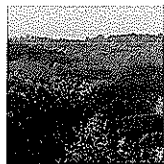
He has designed numerous waterline extensions and sewer collection systems. These extensions have included providing service to many residential as well as industrial customers. The sewer collection systems have included design of systems to collect sewage from residential and industrial sites. Mr. Cart served as a project engineer on several major waste water treatment plant upgrades for industrial clients in the Kanawha Valley. He has designed several plants to serve industrial as well.

Mr. Cart has performed over 100 Abandoned Mine Land Reclamations projects throughout Appalachia. These projects have been mainly in Ohio, West Virginia and Eastern Kentucky. These projects have involved draining flooded mine workings, support of ground experiencing or subject to Mine subsidence and the stabilization of landslides.

Mr. Cart has designed numerous retention and retaining ponds for sites. These designs have involved the determination of storm runoff and design of structures to safely retain and pass the required storm peak flows.

His experience includes permitting activities for projects which have included:

- Railroad Occupancy Permits for Utilities
- NPDES Permits for Industrial and Public Wastewater Facilities
- Highway Permits for Utility Occupancy and Access Road Tie Ins
- Health Department Permits for Water and Sewer Projects
- US Corps of Engineers Permits – Nationwide and Individual
- West Virginia Public Lands Permits



**JOHN R. KELLY, III, E.I.**

*PROJECT DESIGNER*

**Education**

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

**Computer Skills**

AutoCAD, Microstation, COM624-P, Inroads, Hec-Ras and ELRSoil

**Professional Memberships**

American Society of Civil Engineers

**Professional Experience**

Mr. Kelly has performed layout and inspection of core drilling operations for bridge and roadway projects. He has also designed numerous mine reclamation projects, as well as assisted in completion of water feasibility studies. Mr. Kelly has performed construction inspections of waste water treatment facilities and has experience with roadway design, foundation design and retaining walls.

**Representative Projects**

Mr. Kelly has designed cut slopes for large scale roadway projects including Kermit Bypass, Mingo County, WV; Meadowbrook Road, Harrison County, WV; US 35, Mason County, WV and Corridor H, Section 7, Hardy County, WV.



**RANDALL L. LACKEY, P.E.**

*PROJECT ENGINEER*

**Education**

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

**Registrations**

Registered Professional Engineer in West Virginia, Ohio and Kentucky

**Professional Memberships**

American Society of Civil Engineers  
Society of American Military Engineers

**Computer Skills**

C++, AutoCAD, MathCAD, Microstation, MS Excel, MS Word, MS Project, MS PowerPoint, Windows, MDS, MERLIN, BRASS Systems, SIMON, HEC-RAS, RC Pier and HY8

**Professional Experience**

Prior to joining E.L. Robinson Engineering Co., Mr. Lackey worked with the WV Division of Highways as an Engineering Co-op Technician. As part of his co-op experiences, he performed calculations for steel, flowrate and roadway. He performed roadway and guardrail design and construction inspection for bridge and roadway projects.

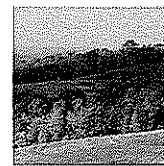
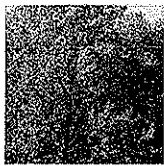
**Representative Projects**

Mr. Lackey was intricately involved in the hydraulic design process of the Blennerhassett Island Bridge Project, which connects West Virginia to Ohio, as well as spans the Ohio River and Blennerhassett Island. Included in this project are the following: Preparation of flood plain analysis for existing, temporary and various post construction conditions, scour analysis using FHWA approved publications, analyzing the affects that debris flow will have on the bridge and Blennerhassett Island and studying the potential for lateral channel migration and understanding the affects the migration would have on the design on the bridge substructure.

Mr. Lackey has also been involved with the hydraulic design process of the Corridor H South Branch of the Potomac River Bridge. Included in this project are the following: Preparation of flood plain analysis for existing, temporary and various post construction conditions, scour analysis using FHWA approved publications, analyzing the affects that debris flow will have on the bridge, studying the affects the proposed conditions will have on the town of Moorefield, WV, flood level and studying the potential for lateral channel migration and understanding the affects the migration would have on the design on the bridge substructure.

Mr. Lackey has also performed hydraulics and scour computations for Ripley Town Bridge, Jackson Bridge, Beaver Creek Bridge, Walnut Bottom Bridge, Tallman Bridge, Meadowbrook Road Bridge, Simpson Creek Bridge, Kermit Bypass Bridges and culverts, Left Hand Fork Bridge and Corridor H Bridges over Walnut Bottom Run and an unnamed tributary.

Mr. Lackey has prepared Section 404 permitting analysis and paperwork for Ripley Town Bridge, Simpson Creek Bridge, Meadowbrook Road Bridge and the Left Hand Fork Bridge. Along with this work, Mr. Lackey has prepared CLOMR analysis and documentation for Horseshoe Village Subdivision and for The Ohio State University Medical Center's two proposed bridges that connect the University with OH SR 314 over Olentangy River.



**MARK A. McGETTIGAN, P.E.**

*PROJECT MANAGER*

**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 Memberships**

American Society of Civil Engineers

**Professional Experience**

Successfully worked on and managed numerous Phase I and II ground water quality investigations and feasibility studies for the West Virginia Department of Environmental Protection.

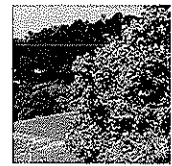
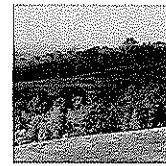
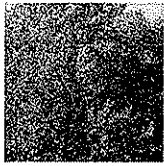
Mr. McGettigan has taken several large water and wastewater projects from the initial development phase through the construction phase. This includes writing the preliminary engineering report, developing funding scenarios, designing the system, developing the plans and specifications, developing the bid documents/overseeing the bid process and managing the construction inspection.

Developed specifications and managed construction inspection for land development and utility construction projects.

**Representative Projects**

Mr. McGettigan has been the design engineer on the following projects:

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



**JAMES T. RAYBURN, P.S.**

*CHIEF SURVEYOR*

**Education**

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

**Registrations**

Registered Professional Surveyor in West Virginia

**Professional Memberships**

American Congress on Surveying and Mapping

The American Association for Geodetic Surveying (AAGS), a Member Organization of ACSM

Cartography and Geographic Information Society (CaGIS)

Geographic and Land Information Society (GLIS)

National Society of Professional Surveyors (NSPS)

West Virginia Association of Land Surveyors, Inc.

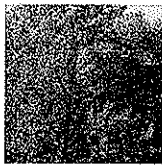
**Professional Experience**

Mr. Rayburn currently serves as Manager of Surveying for E.L. Robinson Engineering (ELR) and has more than 30 years of Design Surveying and Construction Surveying experience. The responsibilities include management of surveying and control for various design projects, including highways, buildings, and bridges. In addition, Mr. Rayburn manages and performs work consisting of courthouse research for property ownership resolution for the above mentioned project types. This includes preparation of property resolution maps, deed descriptions for property acquisitions required for project plan preparation. Mr. Rayburn has experience in Geodetic Control Surveys, 3D Laser Scanning, Photogrammetric Control, Topographic Surveys, Cemetery Surveys, Boundary Surveys, Construction Stakeout, Subdivision Surveys, along with Hydrographic surveys of river and lake bottoms. A few of the more notable surveying projects performed by ELR under the supervision of Mr. Rayburn, has been the Blennerhassett Bridge Project, 11 continuous miles of Corridor H design surveys, GPS Control for the West Virginia Statewide Mapping and Addressing Board Project, 3D Laser Scan and mapping of the CAMC Parking Garage partial collapse, and 3D Laser Scanning of I64/I77 Retaining Wall for Monitoring.

**Representative Projects**

**Design Surveys**

- **Corridor H (WVDOT) Hardy County, WV:** Lead Surveyor for Design Surveys, Right of Way Staking, etc. for approximately 11 miles of Corridor H in Hardy County, WV. This was for Sections 6 & 7 of Corridor H, both Sections of which are now under construction. Estimated construction cost of \$150 million dollars.
- **WV Route 10 (WVDOT) Logan to Man WV, Logan County, WV:** Lead Surveyor for Design Surveys for a section approximately five miles in length from Man, WV, to Rita, WV, including the Man Bridge. Also provided control surveying for the entire project length of approximately 12 miles. The approximate five miles section of roadway is now under construction at an estimated cost of \$51 million dollars.
- **Blennerhassett Bridge, Corridor D (WVDOT), Wood County, WV:** Lead Surveyor for Design Surveys for this landmark Bridge Project which is now under construction at an estimated cost of \$120 million dollars.
- **James Ramsey Bridge (WVDOT) Potomac River, Shepardstown, WV:** Lead Surveyor for Design Surveys for this Bridge Project which is now completed at an estimated cost \$15.5 million dollars. This project involved working in an environmentally historic area, which adjoined a National Park.



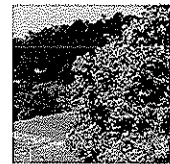
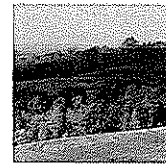
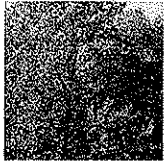
**JAMES T. RAYBURN, P.S.**

*CHIEF SURVEYOR*

- **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.



## RONALD L. WILLIAMS, II

*SURVEYOR/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 gasoline 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.

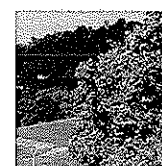
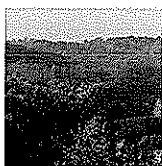
Mr. Williams has inspected the construction of storm sewers for the City of Charleston and the City of Parkersburg. He has also inspected the relocation of gas lines for the Southern PSC and Consumer's Gas.

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**

Mr. Williams has worked on the following projects:

- Sewer Installation for the City of Gilbert
- Sewer Installation for the City of Weston
- Highway Construction Inspection on Corridor D in Parkersburg, WV



## MICHAEL HODGES

*INSPECTOR/TECHNICIAN*

### **Education**

B.A. Finance, Marshall University, 1995

Completed right-of-way Acquisition seminar while employed by E.L. Robinson Engineering Co.

### **Certifications**

Certified WVDOH Compaction Technician

Certified WVDOH Aggregate Inspector

ACI Concrete Technician

Certified Water Sample Collector

### **Professional Experience**

Mr. Hodges has been with E.L. Robinson Engineering Co. since graduating from Marshall University. While still in school, he worked on E.L. Robinson Engineering Co.'s survey crew during the summer months and school breaks on E.L. Robinson's DEP projects.

Mr. Hodges has experience running Total Stations on several surveys in regards to: highways, roads and bridges, property lines, boundary surveys, topographic surveys, utility surveys and subdivision lots. He has experience running GPS units for aerial mapping and topographic surveys.

### **Representative Projects**

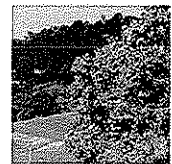
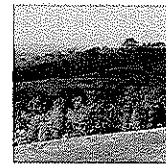
Mr. Hodges has performed construction inspections on the following projects:

Putnam County Sewer line at I-64 Interchange, Pigeon Creek Waterline for DEP in Mingo County, 18 Mile Creek Waterline for Putnam County Commission West Virginia American Water Company and Coolridge PSD Waterline.

In 1998, he inspected a \$1 million waterline project in Kanawha County. In addition, he has extensive experience in pipe laying, and working with heavy machinery.

Mr. Hodges has inspected bridge construction including core drilling, pile driving, rebar placement and concrete pours. He has inspected cut and fill operations including compactions tests and has checked grade work and asphalt placement. Mr. Hodges has also inspected utility and lighting placement, erosion and sediment control projects as required by WVDEP. He has been involved in the inspection of at least seven bridges on the Corridor D project.

Mr. Hodges has been the inspector on the Charles Pointe project in Bridgeport, West Virginia. He has performed the inspection of infrastructure for a business park including utilities, storm, road, lighting, sidewalk, curbs, gutter, asphalt and landscaping.



## 19 PROJECT SPECIFIC QUALIFICATIONS

Mr. Ray Tilley, P.E. will be the Project Manager/Project Engineer for this project. The work will be done out of the Beckley office of ELR with support staff (other than CAD design) coming from the Charleston office. These two offices function as a single entity.

Mr. Tilley served as Project Manager for the Falls Mills Road and Littleburg Road/WV 20 waterline extensions of Bluewell PSD in the early 1990's. He was employed by the PSD as their General Manager from 1996 to 2000. During this time, he prepared the Preliminary Engineering Report for the project which extended Bluewell PSD's water to the Town of Bramwell. As the PSD's Manager, he also prepared the AML application which has led to the current project.

ELR conducted the Coaldale/Bramwell Hill study for WVDEP/AML. ELR is now working for Bluewell Public Service District assisting with certain problems in its wastewater collection system. With its current relationship with Bluewell PSD; the long history of our personnel with Bluewell PSD's water system; and this current project, ELR is uniquely qualified to serve as the engineer for the Coaldale/Bramwell Hill waterline extension project.

In addition to the above very unique qualifications to perform the requested work; it is important to note the following information about ELR's overall qualifications to perform the work.

- A. ELR has ten (10) registered professional (civil or mining) engineers in the Primary Office.
- B. ELR has recent experience in designing eight (8) AML waterline projects and twenty five (25) non-AML related waterline projects. Ray Tilley and I have been responsible for hundreds of additional waterline projects while employed by others.
- C. ELR also has six (6) waterline engineering design teams lead by Gary Facemyer, P.E./Todd Garnes.; Ray Tilley, P.E./Craig Cobb; Tim Carte, P.E./Jason Mayes; Mark McGettigan, P.E./Joey Jude; Joe Carney, P.E./Ivan Gillispie; and Brian Morton, P.E./Shawn Kelly. All have served as project manager/project engineer for waterline projects. A substantial number of field experienced support staff are available as needed.

AML and RELATED PROJECT EXPERIENCE MATRIX																					
Attachment "C"																					
PROJECT	Experience Basis Corporate-C Personal-P	Additional Information in Section	PROJECT EXPERIENCE										Primary Staff Participation M/Mgmt								
			Abandoned Surface Mine Reclamation	Abandoned Deep Mine Reclamation	Portal/Shaft Closure	Hydrological/Hydraulic Design/Eval	Reming 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	Gary Facemeyer	Tim Cart	Ed Robinson	Mark McGittigan
Jacob's Fork Complex	C	YES		X	X	X										X	X	P	P	P	P
Rhodell Refuse & Portals	C	YES	X	X	X	X										X	X	P	M	P	P
Glimer B Sites 3-8	C	YES	X	X	X											X	X	P	M	P	P
Monisvale/Cameo/Big Horse Creek Waterline Feasibility Study	C	YES									X							P	M	P	P
Camp Creek Waterline Feasibility Study	C	YES									X								M	P	P
Lick Creek Waterline Feasibility Study	C	YES									X							P	M	P	P
Ragland Waterline Feasibility Study	C	YES									X							P	M	P	P
Beech Creek and Ben II Waterline Feasibility Study	C	YES									X							P	M	P	P
Dingess Waterline Feasibility Study	C	YES									X							P	M	P	P
Sharon Heights Waterline Feasibility Study	C	YES									X							P	M	P	P
Amhestdale Water Feasibility	C	YES									X							P	M	P	P
Merced County Commission	C	YES									X							P	M	P	P
Danessa PSD Waterline	C	YES									X							P	M	P	P
New Haven Waterline	C	YES									X							P	M	P	P
Nubbin Ridge/Camp Creek Waterline Feasibility Study	C	YES									X							P	M	P	P
Bramwell Hill Waterline Feasibility Study	C	YES									X							P	M	P	P
Coaldale and Coaldale Mountain Waterline Feasibility Study	C	YES									X							P	M	P	P
Jennie Creek Waterline Feasibility Study	C	YES									X							P	M	P	P
Beech Creek and Ben Areas Waterline Feasibility Study	C	YES									X							P	M	P	P
Blair/Sharples Area Waterline Feasibility Study	C	YES									X							P	M	P	P
Brown's Creek #10	C	YES	X	X	X	X					X							P	M	P	P
Bull Run #35	C	YES	X	X	X	X					X							P	M	P	P
Securo Mine Drainage	C	YES	X	X	X	X					X							P	M	P	P
Fickey Run	C	YES	X	X	X	X					X							P	M	P	P
Vent's Run	C	YES	X	X	X	X					X							P	M	P	P
Bull Run #27	C	YES	X	X	X	X					X							P	M	P	P
Rifle Branch	C	YES	X	X	X	X					X							P	M	P	P
Hot Coal	C	YES	X	X	X	X					X							P	M	P	P
Minden Refuse Pile	C	YES	X	X	X	X					X							P	M	P	P
Jeffrey Mine Complex	C	YES	X	X	X	X					X							P	M	P	P
Pigeon Creek Waterline	C	YES	X	X	X	X					X							P	M	P	P
Red Jacket, Malewan, Newtown Waterline	C	YES			X	X					X							P	M	P	P
Narrowbone Waterline	C	YES			X	X					X							P	M	P	P





STATE OF WEST VIRGINIA  
Purchasing Division**PURCHASING AFFIDAVIT****VENDOR OWING A DEBT TO THE STATE:**

**West Virginia Code** §5A-3-10a provides that: 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 the debt owed is an amount greater than one thousand dollars in the aggregate.

**PUBLIC IMPROVEMENT CONTRACTS & DRUG-FREE WORKPLACE ACT:**

**West Virginia Code** §21-1D-5 provides that: Any solicitation for a public improvement construction contract shall require each vendor that submits a bid for the work to submit at the same time an affidavit that the vendor has a written plan for a drug-free workplace policy in compliance with Article 1D, Chapter 21 of the West Virginia Code. A public improvement construction contract may not be awarded to a vendor who does not have a written plan for a drug-free workplace policy in compliance with Article 1D, Chapter 21 of the West Virginia Code and who has not submitted that plan to the appropriate contracting authority in timely fashion. For a vendor who is a subcontractor, compliance with Section 5, Article 1D, Chapter 21 of the West Virginia Code may take place before their work on the public improvement is begun.

**ANTITRUST:**

In submitting a bid to any agency for the state of West Virginia, the bidder offers and agrees that if the bid is accepted the bidder will 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 the bidder.

I certify that this bid is made without prior understanding, agreement, or connection with any corporation, firm, limited liability company, partnership or person or entity submitting a bid for the same materials, supplies, equipment or services and is in all respects fair and without collusion or fraud. I further certify that I am authorized to sign the certification on behalf of the bidder or this bid.

**LICENSING:**

Vendors 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 agencies or political subdivision. Furthermore, the vendor must provide all necessary releases to obtain information to enable the Director or spending unit to verify that the vendor is licensed and in good standing with the above entities.

**CONFIDENTIALITY:**

The vendor agrees that he or she 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. Vendors should visit [www.state.wv.us/admin/purchase/privacy](http://www.state.wv.us/admin/purchase/privacy) for the Notice of Agency Confidentiality Policies.

Under penalty of law for false swearing (West Virginia Code §61-5-3), it is hereby certified that the vendor acknowledges the information in this said affidavit and is in compliance with the requirements as stated.

Vendor's Name: E. L. Robinson Engineering Co.

Authorized Signature: Jay Facemy Date: 10/07/2008