

January 25, 2012

# Statement of Qualifications

## RFQ #COR61489 Denmar Correctional Center Water Storage Tanks Replacement

State of West Virginia  
Purchasing Division

# E.L.ROBINSON

*the Challenge, the Choice.*™

E.L. Robinson Engineering Co.  
207 Brookshire Lane  
Beckley, WV 25801  
Phone: (304) 252-7473  
Fax: (304) 252-7474  
www.elrobinson.com

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PURCHASING DIVISION  
STATE OF WV

January 25, 2011

Department of Administration  
Purchasing Division  
Building 15  
2019 Washington Street, East  
Charleston, WV 25305-0130  
RFQ #COR61489

E.L. Robinson Engineering Co. (ELR) is pleased to have the opportunity to submit our Statement of Qualifications to provide the West Virginia Purchasing Division with Design and Engineering services for the replacement of the two (2) existing water storage tanks located at Denmark Correctional Center

ELR has designed numerous water projects involving the replacement of water storage tanks, waterlines, and booster stations. ELR has also completed numerous water projects which involved replacing old tanks with new tanks while maintaining service to customers.

ELR is the leading engineering firm providing consulting engineering services in West Virginia. We have the in-house capabilities to provide all required services for the replacement of the two (2) existing water storage tanks. Furthermore, we have personnel available to start immediately on your project.

You will see that teamwork is the spirit and foundation of our organization. ELR acknowledges the importance of a quick turn-around and excellent quality service, which our administrative procedures, overall organization and depth of experience will provide. As you will see from our resumes and company experience, we are uniquely qualified to offer the professional services required and to ensure that your project becomes a reality.

This type of project makes us uniquely qualified to offer the professional services required. ELR employs an array of professional engineers that are experienced and motivated, to again, provide quality engineering services to the WV Purchasing Division.

ELR has provided consulting engineering services in West Virginia for 30 years, allowing us to have a complete understanding of similar projects designed and constructed in our state. Our staff has an understanding of your project, it's requirements and all regulations that are applicable.

Should you have any questions regarding this qualification statement, please do not hesitate to contact me.

Sincerely,  
E.L. Robinson Engineering Co.



Randall Lewis  
Vice President



<b>Request for Quotation</b> .....	<b>Appendix A</b>
<b>Purchasing Affidavit</b> .....	<b>Appendix B</b>
<b>Proof of Insurance</b> .....	<b>Appendix C</b>
<b>Experience</b> .....	<b>1-2</b>
<b>Project Experience</b> .....	<b>3-24</b>
Town of Chapmanville Water System Upgrade .....	3
James Avenue Water Storage Tank .....	4
Wayne Water Storage Tank No.2 Project .....	5
Hidden Valley Water Upgrade .....	6
Marsh Fork Water Extension Project .....	7
Queen Shoals Public Service District .....	8
Upper Little Harts Creek Water Extension .....	9
Holden Water Project .....	10
Drews Creek Water Project .....	11
Mt.View/Streeter Water Project .....	12
Elkhorn Creek Water Project .....	13
Town of Burnsville, Curry Ridge .....	14
Jolo Phase I and II Water Project .....	15
Crum PSD, Rt. 152 Water Project .....	16
Route 37 Water Project .....	17
Town of Gilbert, Slabtown Water Project .....	18
Sewer and Waterline Relocation .....	19
Gilbert Distribution System Upgrade .....	20
Horsepen and Gilbert Creek Waterline .....	21
Lick Creek Waterline Extension .....	22
Route 52 North Water Project .....	23
Crockett and Millers Fork Waterline .....	24
<b>Staff and Resources</b> .....	<b>25</b>
<b>Engineering Resumes</b> .....	<b>23-34</b>
Edward L. Robinson, P.E., P.S., President .....	26



# Table of Contents

Ray Tilley, P.E., Project Manager . . . . .	27-28
Rick Roberts, P.E., Project Engineer . . . . .	29-30
Brian Morton, P.E., Project Engineer . . . . .	31-32
Joe Mills, P.E., Project Engineer . . . . .	33-34
<b>Construction Inspection Resumes . . . . .</b>	<b>35-37</b>
Michael Hodges, Inspector/Technician . . . . .	35
Ronald L. Williams, II, Surveyor/Inspector . . . . .	36
Brandon Hodges, Construction Inspection . . . . .	37
<b>Construction Management . . . . .</b>	<b>38-39</b>
<b>Business References . . . . .</b>	<b>40</b>





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  
 COR61489

PAGE  
 1

ADDRESS CORRESPONDENCE TO ATTENTION OF:  
 TARA LYLE  
 304-558-2544

VENDOR

RFQ COPY  
 TYPE NAME/ADDRESS HERE  
 E.L. Robinson Engineering  
 5088 Washington Street, West  
 Charleston, WV 25313

SHIP TO

DENMAR CORRECTIONAL CENTER  
 HC-64, BOX 125  
 DENMAR ROAD  
 HILLSBORO, WV  
 24946

DATE PRINTED 12/07/2011	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
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BID OPENING DATE: 01/25/2012 BID OPENING TIME 01:30PM

LINE	QUANTITY	UOP	CAT. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
0001	1	JB		906-00-00-001		
ARCHITECT/ENGINEERING SERVICES, PROFESSIONAL  EXPRESSION OF INTEREST (EOI)  THE WEST VIRGINIA PURCHASING DIVISION, FOR THE AGENCY, WV DIVISION OF CORRECTIONS, IS SOLICITING EXPRESSIONS OF INTEREST FOR PROFESSIONAL ARCHITECTURAL ENGINEERING DESIGN SERVICES TO REPLACE TWO (2) EXISTING WATER STORAGE TANKS AT THE DENMAR CORRECTIONAL CENTER IN POCAHONTAS COUNTY, PER THE FOLLOWING BID REQUIREMENTS AND THE ATTACHED SPECIFICATIONS.  TECHNICAL QUESTIONS CONCERNING THIS SOLICITATION MUST BE SUBMITTED IN WRITING TO TARA LYLE VIA MAIL AT THE ADDRESS SHOWN IN THE BODY OF THIS EOI, VIA FAX AT 304-558-4115, OR VIA EMAIL AT TARA.L.LYLE@WV.GOV.  DEADLINE FOR ALL TECHNICAL QUESTIONS IS 01/10/2012 AT THE CLOSE OF BUSINESS. ANY TECHNICAL QUESTIONS RECEIVED WILL BE ANSWERED BY FORMAL ADDENDUM ISSUED BY THE PURCHASING DIVISION AFTER THE DEADLINE HAS LAPSED.  CANCELLATION: THE DIRECTOR OF PURCHASING RESERVES THE RIGHT TO CANCEL THIS CONTRACT IMMEDIATELY UPON WRITTEN NOTICE TO THE VENDOR IF THE COMMODITIES AND/OR SERVICES SUPPLIED ARE OF AN INFERIOR QUALITY OR DO NOT CONFORM TO THE SPECIFICATIONS OF THE BID AND CONTRACT HEREIN.						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE <i>Randall Lyle</i>	TELEPHONE 304-776-7473	DATE 1/25/12
TITLE Vice President	FEIN 55-0594633	ADDRESS CHANGES TO BE NOTED ABOVE

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



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

**Request for  
 Quotation**

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COR61489

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2

ADDRESS CORRESPONDENCE TO ATTENTION OF:
TARA LYLE 304-558-2544

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RFQ COPY  
 TYPE NAME/ADDRESS HERE  
 E.L. Robinson Engineering  
 5088 Washington Street, West  
 Charleston, WV 25313

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DENMAR CORRECTIONAL CENTER  
 HC-64, BOX 125  
 DENMAR ROAD  
 HILLSBORO, WV  
 24946

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
12/07/2011				

BID OPENING DATE: 01/25/2012 BID OPENING TIME 01:30PM

LINE	QUANTITY	UOP	CAT. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
<p>BANKRUPTCY: IN THE EVENT THE VENDOR/CONTRACTOR FILES FOR BANKRUPTCY PROTECTION, THE STATE MAY DEEM THE CONTRACT NULL AND VOID, AND TERMINATE SUCH CONTRACT WITHOUT FURTHER ORDER.</p> <p>NOTICE</p> <p>A SIGNED BID MUST BE SUBMITTED TO:</p> <p>DEPARTMENT OF ADMINISTRATION            PURCHASING DIVISION            BUILDING 15            2019 WASHINGTON STREET, EAST            CHARLESTON, WV 25305-0130</p> <p>THE BID SHOULD CONTAIN THIS INFORMATION ON THE FACE OF THE ENVELOPE OR THE BID MAY NOT BE CONSIDERED:</p> <p>SEALED BID</p> <p>BUYER: ----- TL/32 -----</p> <p>RFQ. NO.: ----- COR61489 -----</p> <p>BID OPENING DATE: ----- 01/25/2012 -----</p> <p>BID OPENING TIME: ----- 1:30 PM -----</p> <p>PLEASE PROVIDE A FAX NUMBER IN CASE IT IS NECESSARY</p>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE <i>Randall Lee</i>	TELEPHONE p 304-776-7473 f 304-776-6426	DATE 1/25/12
TITLE Vice President	FEIN 55-0594633	ADDRESS CHANGES TO BE NOTED ABOVE

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





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
COR61489

PAGE
3

ADDRESS CORRESPONDENCE TO ATTENTION OF:
TARA LYLE 304-558-2544

VENDOR

RFQ COPY  
 TYPE NAME/ADDRESS HERE  
 E.L. Robinson Engineering  
 5088 Washington Street, West  
 Charleston, WV 25313

SHIP TO

DENMAR CORRECTIONAL CENTER  
 HC-64, BOX 125  
 DENMAR ROAD  
 HILLSBORO, WV  
 24946

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
12/07/2011				

BID OPENING DATE: 01/25/2012 BID OPENING TIME 01:30PM

LINE	QUANTITY	UOP	CAT. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
TO CONTACT YOU REGARDING YOUR BID: E.L. Robinson Engineering ----- CONTACT PERSON (PLEASE PRINT CLEARLY): Randall Lewis, Vice President ----- ***** THIS IS THE END OF RFQ COR61489 ***** TOTAL: _____						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE <i>Randall L</i>	TELEPHONE 304-776-7473	DATE 1/25/12
TITLE Vice President	FEIN 55-0594633	ADDRESS CHANGES TO BE NOTED ABOVE

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



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

West Virginia Code §5A-3-10a states: 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 owned is an amount greater than one thousand dollars in the aggregate

**DEFINITIONS:**

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

"Debtor" means any individual, corporation, partnership, association, Limited Liability Company or any other form or business association owing a debt to the state or any of its political subdivisions. "Political subdivision" means any county commission; municipality; county board of education; any instrumentality established by a county or municipality; any separate corporation or instrumentality established by one or more counties or municipalities, as permitted by law; or any public body charged by law with the performance of a government function or whose jurisdiction is coextensive with one or more counties or municipalities. "Related party" means a party, whether an individual, corporation, partnership, association, limited liability company or any other form or business association or other entity whatsoever, related to any vendor by blood, marriage, ownership or contract through which the party has a relationship of ownership or other interest with the vendor so that the party will actually or by effect receive or control a portion of the benefit, profit or other consideration from performance of a vendor contract with the party receiving an amount that meets or exceeds five percent of the total contract amount.

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

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

**WITNESS THE FOLLOWING SIGNATURE**

Vendor's Name: E.L. Robinson Engineering

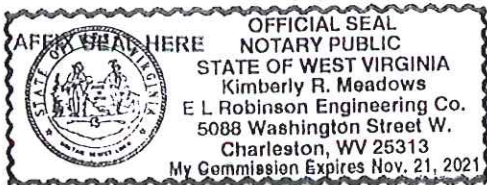
Authorized Signature: *Kimberly R. Meadows* Date: 1/17/12

State of West Virginia

County of Kanawha, to-wit:

Taken, subscribed, and sworn to before me this 17 day of January, 2012.

My Commission expires November 21, 2021.



NOTARY PUBLIC *Kimberly R. Meadows*

# ACORD™ CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)  
12/28/2011

<b>PRODUCER</b> BB&T-Carson Insurance Services 1 Tennessee Avenue Charleston, WV 25302 304 346-0806	THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW.	
	<b>INSURERS AFFORDING COVERAGE</b>	<b>NAIC #</b>
<b>INSURED</b> E L Robinson Engineering Company 5088 Washington Street, West Charleston, WV 25313	INSURER A: <b>Continental Casualty Company</b>	<b>20443</b>
	INSURER B:	
	INSURER C:	
	INSURER D:	
	INSURER E:	

**COVERAGES**

THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. AGGREGATE LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR ADD'L LTR	INSRD	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YYYY)	POLICY EXPIRATION DATE (MM/DD/YYYY)	LIMITS	
		<b>GENERAL LIABILITY</b> <input type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS MADE <input type="checkbox"/> OCCUR _____ GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC				EACH OCCURRENCE	\$
						DAMAGE TO RENTED PREMISES (Ea occurrence)	\$
						MED EXP (Any one person)	\$
						PERSONAL & ADV INJURY	\$
						GENERAL AGGREGATE	\$
						PRODUCTS - COMP/OP AGG	\$
		<b>AUTOMOBILE LIABILITY</b> <input type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS <input type="checkbox"/> NON-OWNED AUTOS _____				COMBINED SINGLE LIMIT (Ea accident)	\$
						BODILY INJURY (Per person)	\$
						BODILY INJURY (Per accident)	\$
						PROPERTY DAMAGE (Per accident)	\$
		<b>GARAGE LIABILITY</b> <input type="checkbox"/> ANY AUTO				AUTO ONLY - EA ACCIDENT	\$
						OTHER THAN AUTO ONLY: EA ACC	\$
						AGG	\$
		<b>EXCESS / UMBRELLA LIABILITY</b> <input type="checkbox"/> OCCUR <input type="checkbox"/> CLAIMS MADE _____ <input type="checkbox"/> DEDUCTIBLE RETENTION \$				EACH OCCURRENCE	\$
						AGGREGATE	\$
							\$
							\$
		<b>WORKERS COMPENSATION AND EMPLOYERS' LIABILITY</b> ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory In NH) <input checked="" type="checkbox"/> Y/N If yes, describe under SPECIAL PROVISIONS below				WC STATU-TORY LIMITS	OTH-ER
						E.L. EACH ACCIDENT	\$
						E.L. DISEASE - EA EMPLOYEE	\$
						E.L. DISEASE - POLICY LIMIT	\$
A		<b>OTHER Professional Liability</b>	AEH113988064	12/09/2011	12/09/2012	Limit: \$1,000,000 Deductible: \$100,000	

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES / EXCLUSIONS ADDED BY ENDORSEMENT / SPECIAL PROVISIONS

<b>CERTIFICATE HOLDER</b>  SAMPLE CERTIFICATE	<b>CANCELLATION</b> SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING INSURER WILL ENDEAVOR TO MAIL <u>30</u> DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT, BUT FAILURE TO DO SO SHALL IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE INSURER, ITS AGENTS OR REPRESENTATIVES. AUTHORIZED REPRESENTATIVE <i>Larry D. Kun</i>
---	---

## **IMPORTANT**

If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

## **DISCLAIMER**

The Certificate of Insurance does not constitute a contract between the issuing insurer(s), authorized representative or producer, and the certificate holder, nor does it affirmatively or negatively amend, extend or alter the coverage afforded by the policies listed thereon.



# ACORD™ CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)  
12/28/2011

<b>PRODUCER</b> BB&T-Carson Insurance Services 1 Tennessee Avenue Charleston, WV 25302 304 346-0806	THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW.	
	<b>INSURERS AFFORDING COVERAGE</b>	<b>NAIC #</b>
<b>INSURED</b> E L Robinson Engineering Company 5088 Washington Street, West Charleston, WV 25313	INSURER A: <b>Cincinnati Insurance Company</b>	<b>10677</b>
	INSURER B: <b>Brickstreet Mutual Insurance Co</b>	<b>12372</b>
	INSURER C:	
	INSURER D:	
	INSURER E:	

**COVERAGES**

THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. AGGREGATE LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	ADD'L INSRD	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YYYY)	POLICY EXPIRATION DATE (MM/DD/YYYY)	LIMITS
A		GENERAL LIABILITY <input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS MADE <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> XCU GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PROJECT <input type="checkbox"/> LOC	EPP0103191	10/01/2011	10/01/2012	EACH OCCURRENCE \$1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$500,000 MED EXP (Any one person) \$10,000 PERSONAL & ADV INJURY \$1,000,000 GENERAL AGGREGATE \$2,000,000 PRODUCTS - COMP/OP AGG \$2,000,000
A		AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS <input checked="" type="checkbox"/> NON-OWNED AUTOS	EPP0103191	10/01/2011	10/01/2012	COMBINED SINGLE LIMIT (Ea accident) \$1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$
		GARAGE LIABILITY <input type="checkbox"/> ANY AUTO				AUTO ONLY - EA ACCIDENT \$ OTHER THAN EA ACC AGG \$
A		EXCESS / UMBRELLA LIABILITY <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> CLAIMS MADE DEDUCTIBLE <input checked="" type="checkbox"/> RETENTION \$ 0	EPP0103191	10/01/2011	10/01/2012	EACH OCCURRENCE \$2,000,000 AGGREGATE \$2,000,000 \$ \$
B		WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) <input checked="" type="checkbox"/> Y <input type="checkbox"/> N If yes, describe under SPECIAL PROVISIONS below	WC1001657109 Includes Employers 23-4-2(d)(2)(ii)	10/01/2011 WV Broad Liability of	10/01/2012 Form Section WV Code	<input checked="" type="checkbox"/> WC STATUTORY LIMITS <input type="checkbox"/> OTHER E.L. EACH ACCIDENT \$1,000,000 E.L. DISEASE - EA EMPLOYEE \$1,000,000 E.L. DISEASE - POLICY LIMIT \$1,000,000
		OTHER				

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES / EXCLUSIONS ADDED BY ENDORSEMENT / SPECIAL PROVISIONS

**\*\* Workers Comp Information \*\***

Proprietors/Partners/Executive Officers/Members Excluded:

Edward Robinson, Officer

Ralph Allison, Officer

**CERTIFICATE HOLDER**

SAMPLE CERTIFICATE

**CANCELLATION**

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING INSURER WILL ENDEAVOR TO MAIL 30 DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT, BUT FAILURE TO DO SO SHALL IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE INSURER, ITS AGENTS OR REPRESENTATIVES.

AUTHORIZED REPRESENTATIVE

*Denny D. Kern*

## **IMPORTANT**

If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

## **DISCLAIMER**

The Certificate of Insurance does not constitute a contract between the issuing insurer(s), authorized representative or producer, and the certificate holder, nor does it affirmatively or negatively amend, extend or alter the coverage afforded by the policies listed thereon.

We have provided this Experience section to directly respond to the Request for Qualifications and provide ease for the evaluators to score this proposal.

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 client an integral part in the designing and engineering of this project. We want to make sure that the operators of the system feel comfortable with the operation and maintenance of the system 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 State of West Virginia Purchasing Division.

E.L. Robinson Engineering Co. has extensive knowledge in all aspects of water system planning, funding and design and are currently working with clients on a number of similar projects in the state of West Virginia. We believe in the necessity to work closely with the client to keep them apprised of the status of their project and maintain a close working relationship. We take pride that our clients are keenly aware of the status of their project, obstacles that can be faced and the plan that E.L. Robinson Engineering Co. is taking to overcome those issues. We also take pride in our ability to be timely in our response to our client's needs, operate within our client's budget and provide quality engineering services that meets the needs of our client and the community which it serves.

ELR has wealth of experience in the development of water projects. Most of these projects have included a water storage tank or tanks. Being a larger engineering firm, we have several engineers who have designed water storage tanks. We have experience with both bolted and welded steel tanks. Your project would be assigned to our Beckley office. Your Project Manager, Mr. Ray Tilley, has 36 years of experience in the implementation of water projects. Ten of those years were spent in the operational side. Also in the Beckley office is Mr. Joe Mills, P.E. Mr. Mills has a great deal of experience in designing various structures.

Within approximately one and one-half hours' drive from the project site, ELR has the expertise needed to successfully complete this project.



E.L. Robinson is well qualified and experienced in related water projects. We are very familiar with water project design, construction administration and inspection. We have demonstrated abilities in developing practical and cost effective water improvement projects and are dedicated to meeting project schedules and budgets.

Such demonstrations can be seen in our previous work on water projects, designing of new systems and redesign of existing systems. Projects E.L. Robinson has worked on in the past include:

- **Town of Chapmanville Water System Upgrade Project- Phase 1**
- **James Avenue Water Storage Tank Replacement and Restoration Project**
- **Wayne Water Storage Tank No. 2 Rehabilitate, Sandblast and Repaint Project**
- **Hidden Valley Water Upgrade Project**
- **Marsh Fork Water Extension Project**
- **Queen Shoals Water Extensions and Upgrade Project**
- **Upper Little Harts Creek Water Extension Project**
- **Holden Water Project**
- **Drews Creek Water Project**
- **Mt. View/Streeter Water Project**
- **Elkhorn Creek Water Project**
- **Town of Burnsville Curry Ridge**
- **McDowell County PSD Jolo Phase I and II**
- **Crum PSD Route 152 Water Project**
- **Lavalette PSD Route 37 Water Project**
- **Town of Gilbert Slabtown Water Project**
- **Putnam County PSD Sewer and Waterline Relocations**
- **Gilbert Distribution System Upgrade**
- **Horsepen and Gilbert Creek Waterline Extension**
- **Lick Creek Waterline Extension**
- **Lavalette PSD Route 52 North Water Project**
- **Lavalette PSD Crockett and Millers Fork Waterline Extension**



## **Town of Chapmanville Water System Upgrade Project - Phase 1** *Logan County, West Virginia*

E. L. Robinson Engineering Company was contracted by the Town of Chapmanville to provide planning, funding application assistance, design and construction services for a multi project upgrade of its existing water distribution system.

The Phase I Project consists of the construction of approximately 8,500 linear feet of 10-inch and smaller diameter water main, demolition of two existing 100,000 gallons storage tanks, restoration and painting of one existing 300,000 gallons storage tank, construction of one new 200,000 gallons storage tank, fire hydrants, valves, individual customer services and other related appurtenances. Water for Town is purchased from the Logan County Public Service District.



### **Client**

Town of Chapmanville  
Water and Sewer  
Department

### **Completion Date**

Planning – Application  
Stage  
Estimated – December,  
2013

### **Project Cost**

\$2,440,000

### **E.L. Robinson's Role**

Planning, Funding  
Application Assistance,  
Design and Construction  
Monitoring

### **James Avenue Water Storage Tank Replacement and Restoration Project** *Mingo County, West Virginia*

E. L. Robinson Engineering Company was contracted by the Town of Gilbert to provide planning, design and construction services for demolition and reconstruction of a 100,000 gallons ground supported water storage tank and the cleaning, sandblasting and repainting of a second 100,000 gallons ground supported water storage tank.

Both storage tanks were located on the same site and were the only tanks serving the system. Accordingly, only one tank could be taken out service at a time in order to maintain service the Town's customers. To this end, the oldest tank was taken out of service first, demolished and a new foundation and tank built in its place. Following testing and disinfection, the new tank was placed into service. The Contractor was then able to take the second tank out of service, sandblast and paint and return it to service. This

**Client**

Town of Gilbert  
P. O. Box 188  
Gilbert, WV 25621  
Vivian Livingood, Mayor

**Completion Date**

Complete  
September, 2009

**Project Cost**

\$300,000

**E.L. Robinson's Role**

Planning, Design and  
Construction Monitoring





### **Wayne Water Storage Tank No. 2 Rehabilitate, Sandblast and Repaint Project**

*Wayne County, West Virginia*

E. L. Robinson Engineering Company was contracted by the Town of Wayne to provide planning, design and construction services for the rehabilitation, sandblasting and repainting of a 152,000 gallons ground supported water storage tank. This tank was significantly deteriorated and required numerous repairs prior to cleaning and painting. The tank was taken out of service, rehabilitated, sandblasted, painted and returned to service without interruption of service. The project was completed on time and within budget.



#### **Client**

Town of Wayne  
1300 Norfolk Avenue  
Wayne, WV 25570  
James Ramey, III, Mayor

#### **Completion Date**

Complete  
August, 2009

#### **Project Cost**

\$95,700

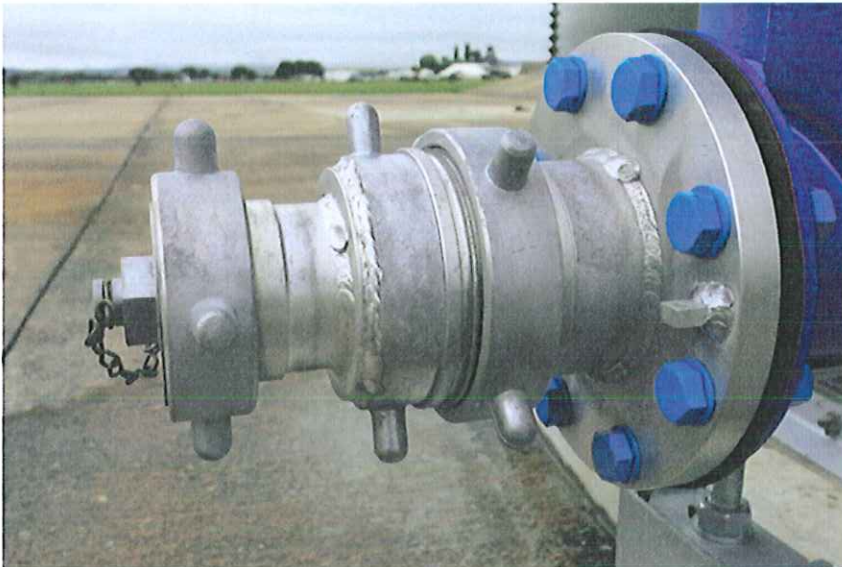
#### **E.L. Robinson's Role**

Planning, Design and  
Construction Monitoring

## Hidden Valley Water Upgrade *Logan County, West Virginia*

E. L. Robinson Engineering Company was chosen by Logan County Public Service District to provide planning, design and construction services for the Hidden Valley Water Upgrade Project. The project will replace the existing water system serving approximately 64 residential customers in the Hidden Valley, Sunset Court and surrounding areas of Logan County.

The project consists of the construction of approximately 15,000 linear feet of 8-inch and smaller diameter water main, one 50 gallons per minute booster station, one 130,000 gallons storage tank, 13 fire hydrants, valves, individual customer services and other related appurtenances.



**Client**  
Logan County PSD

**Completion Date**  
June, 2010

**Project Cost**  
\$590,000

**E.L. Robinson's Role**  
Planning, design, and  
construction inspection



## **Marsh Fork Water Extension Project** *Logan County, West Virginia*

E. L. Robinson Engineering Company was selected by Logan County Public Service District to provide planning, design and construction services for the Marsh Fork Water Extension Project. The project will make service available to approximately 109 potential residential and small commercial customers (280 persons) in the Logan and Lincoln County communities of Marsh Fork, Striker Fork, West Fork Road, Piney Fork, Barker Hollow and surrounding areas.

The project consists of the construction of approximately 35,900 linear feet of 8-inch and smaller diameter water main, one 130,000 gallons storage tank, 26 fire hydrants, valves, individual customer services and other related appurtenances. An existing booster station will be converted (remove bladder tanks and install telemetry) to pump water into the new tank.



**Client**  
Logan County PSD

**Completion Date**  
September, 2011

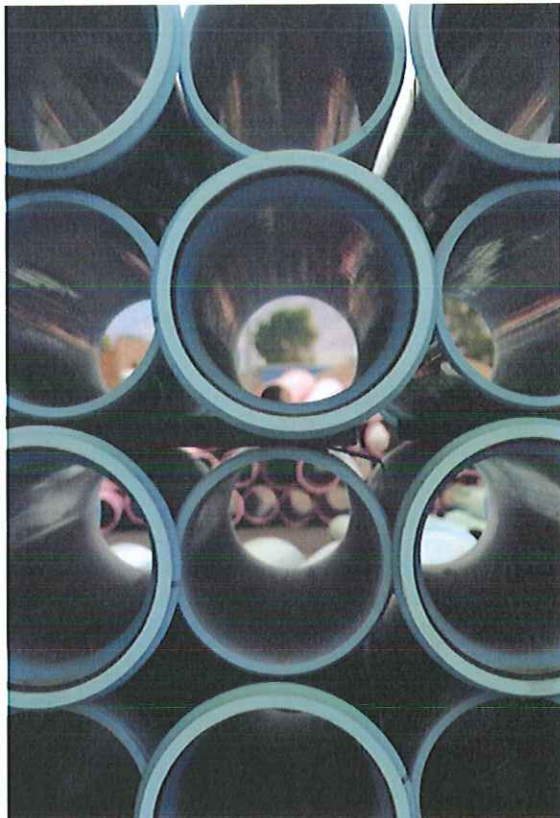
**Project Cost**  
\$2,910,000

**E.L. Robinson's Role**  
Planning, design, and  
construction inspection

## Queen Shoals Public Service District *Kanawha County, West Virginia*

E. L. Robinson Engineering Company was hired by Queen Shoals Public Service District to provide planning, design and construction services for the Water Extension and Upgrade Project. The project will make service available to approximately 40 potential residential customers in the Clay County community of River View Road. The project will also improve service to approximately 190 existing customers in the communities of Queen Shoals, Bomont, Odessa, Glen and surrounding areas by increasing storage capacity, addressing pressure issues within the existing system and improving source reliability.

The project consists of the construction of approximately 27,060 linear feet of 6-inch diameter water main, one 150,000 gallons storage tank, one 50 gallons per minute booster station, 13 fire hydrants, valves, individual customer services and other related appurtenances.



**Client**  
Queen Shoals PSD

**Completion Date**  
December, 2010

**Project Cost**  
\$1,900,000

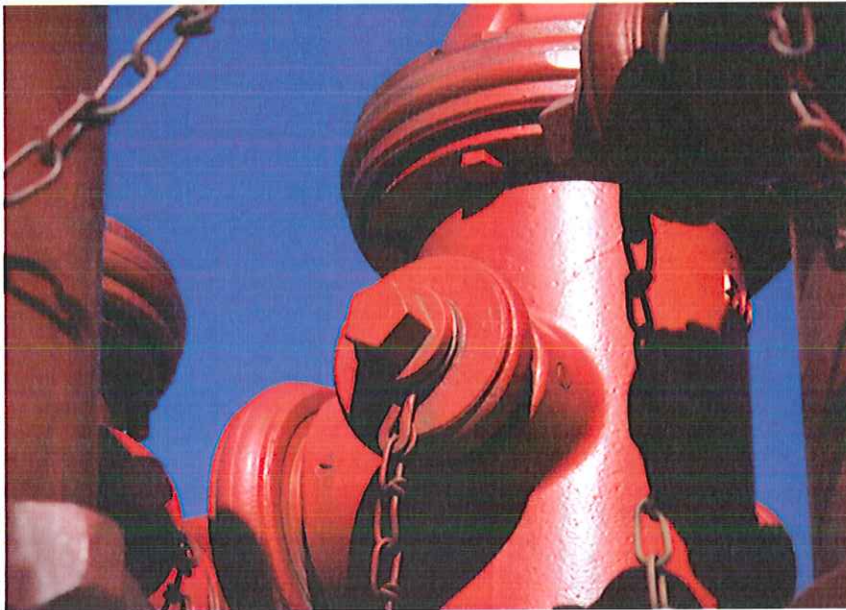
**E.L. Robinson's Role**  
Planning, design, and  
construction inspection



## Upper Little Harts Creek Water Extension *Logan County, West Virginia*

E. L. Robinson Engineering Company was hired by Logan County Public Service District to provide planning, design and construction services for the Upper Little Harts Creek Water Extension Project. The proposed Upper Little Harts Creek Water Extension Project will provide potable water service to approximately 97 potential customers (291 persons) in the Lincoln County communities of Little Harts Creek, Harvey Fork, Mudlick Branch, Gartin Fork and Laurel Fork.

The proposed project consists of the construction of approximately 30,100 linear feet of 8-inch and smaller diameter water main, one 90 gallons per minute booster station, one 95,000 gallons storage tank, 20 fire hydrants, valves, meters and other related appurtenances.



**Client**  
Logan County PSD

**Completion Date**  
December, 2010

**Project Cost**  
\$2,710,000

**E.L. Robinson's Role**  
Planning, design, and  
construction inspection

## Holden Water Project *Logan County, West Virginia*

E.L. Robinson Engineering Co. was contracted by the Logan County Public Service District to prepare engineering plans, designs and specifications for a proposed water line replacement project throughout the Holden area of Logan County, West Virginia. This new water line system would consist of over twelve miles (12) miles of new 8", 6" and 2" water lines, as well as two water storage tanks with a water pump station to serve approximately 690 customers..

E.L. Robinson Engineering Co. staff provided the information for the project and is working closely with the Logan County PSD to plan; design; observe this much needed water project.

**Client**  
Logan County PSD

**Completion Date**  
2009

**Project Cost**  
\$7,000,000

**E.L. Robinson's Role**  
Planning, design, and  
construction inspection





## **Drews Creek Water Project** *Raleigh County, West Virginia*

E.L. Robinson assisted the Raleigh County Public Service District in the extension of its Arnett Water System to serve 140 new customers along Peachtree Creek and Drews Creek in Raleigh County. The project involves constructing approximately 57,000 lineal feet of eight-inch and smaller diameter water lines, a booster station and a 105,000 gallon storage tank.

**Client**  
Raleigh County PSD

**Completion Date**  
July, 2009

**Project Cost**  
\$2.3 Million

**E.L. Robinson's Role**  
Design and construction  
inspection



## **Mt.View/Streeter Water Project** *Raleigh County, West Virginia*

The Cool Ridge-Flat Top Public Service District had requests from several different areas seeking public water service. These areas were Raleigh, Summers, and Mercer Counties. The largest area was Mt. View/Streeter and lends it name to the entire project. Other areas of service included portions of East Whitby Road, John Lane Road, Breeden Road, Brogan Farm Road, Flat Top Mountain Road, Moyer Lilly Road, Dud Lilly Road and Toad Level Road. There were approximately 170 new customers in the nine areas. The project involved over 17 miles of eight-inch and smaller diameter water mains, three pressure reducing stations and control work.



### **Client**

Cool Ridge-Flat Top PSD

### **Completion Date**

April 2009

### **Project Cost**

\$4.1 Million

### **E.L. Robinson's Role**

Design, bidding, construction inspection, and construction administration



## Elkhorn Creek Water Project *McDowell County, West Virginia*

E.L. Robinson is assisting the McDowell County Public Service District in the replacement of its water system along Elkhorn Creek and the North Fork of Elkhorn Creek. The PSD currently serves 776 customers in eight separate systems in the area. This project proposes to consolidate these eight water systems into one system. The study portion of the project also includes making allowance for providing service to the Town of Northfork, City of Keystone, Ashland and Crumpler.



**Client**  
McDowell County PSD

**Completion Date**  
Study: July 2009

**Project Cost**  
Estimated at \$15 Million

**E.L. Robinson's Role**  
Planning, design, and construction monitoring

## Town of Burnsville, Curry Ridge *Braxton County, West Virginia*

E.L. Robinson was retained by the Town of Burnsville/Burnsville Public Utility Board PSD to provide services for this water project. The work involved upgrading the Burnsville Water Plant from a capacity of 250 gpm to 400 gpm. Also included was assumption of a portion of the Corps of Engineers water system and extension of the water system from the Bulltown Campground to Curry Ridge. The project serves 80 customers.

The project consisted of approximately 32,000 lineal feet of water main, a booster station, a 150,000-gallon water storage tank, fire hydrants, valves and other amenities.



**Client**  
Town of Burnsville

**Completion Date**  
April 2007

**Project Cost**  
\$2.7 Million

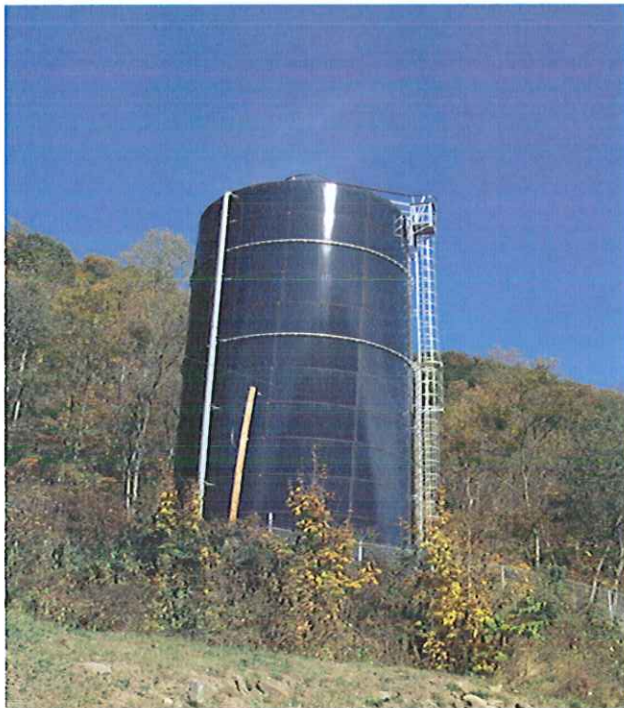
**E.L. Robinson's Role**  
Design and  
Construction  
monitoring



## Jolo Phase I and II Water Project *McDowell County, West Virginia*

E.L. Robinson assisted the McDowell County Public Service District in the extension of its Bartley Water System from Raysal through the Town of Bradshaw to the community of Jolo. The project involved upgrading the Bartley Water Treatment Plant from a flow rate of 230 to 460 gpm, constructing approximately 38,000 lineal feet of 10-inch and smaller diameter water lines, and constructing a 200,000 gallon water storage tank to serve 130 new customers and provide the basis for further phases.

ELR also assisted in the further extension of its Bartley Water System from Jolo along WV 83 west, WV 635 south and the area of Oozley Branch. The project involves constructing approximately 61,000 lineal feet of eight-inch and smaller diameter water lines, two booster stations and two storage tanks (53,000 gallon and 125,000 gallons) to serve 150 new customers.



**Client**  
McDowell County PSD

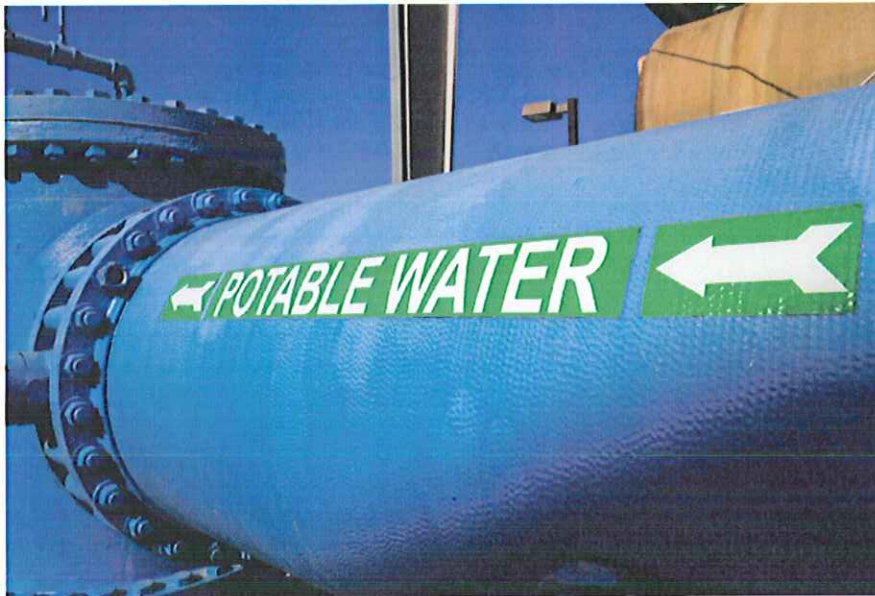
**Completion Date**  
August 2009

**Project Cost**  
\$7.8 million

**E.L. Robinson's Role**  
Design and construction  
monitoring

## **Crum PSD, Rt. 152 Water Project** *Wayne County, West Virginia*

The Wayne County Commission has initiated an effort to bring potable water to the majority of residents in Wayne County. The three phases of the Crum PSD - Route 152 project will supply potable water and fire protection to approximately 850 residents and business along the 22 ½ mile section of WV Route 152 south of Wayne to its intersection with US Route 52. The project will also serve many of the secondary county routes connecting to WV Route 152 where the population density justifies the main extension. There will be over 63 miles of eight-inch and smaller diameter water line constructed through all three phases of the project.



**Client**  
Crum PSD

**Completion Date**  
Expected starting date  
December 2010

**Project Cost**  
\$17.5 Million

**E.L. Robinson's Role**  
Design and construction  
monitoring



## Route 37 Water Project *Wayne County, West Virginia*

E.L. Robinson was hired by the Lavalette Public Service District to provide an extension of water service to 192 residents along State Route 37 from the terminus of their existing system to County Route 27 near the community of Echo.

The project consisted of approximately 63,300 lineal feet of water main, a water storage tank, one booster pump station, fire hydrants, valves and other amenities.



### Client

Lavalette PSD

### Completion Date

December 2009

### Project Cost

\$3.1 Million

### E.L. Robinson's Role

Design and construction monitoring



## Town of Gilbert, Slabtown Water Project *Mingo County, West Virginia*

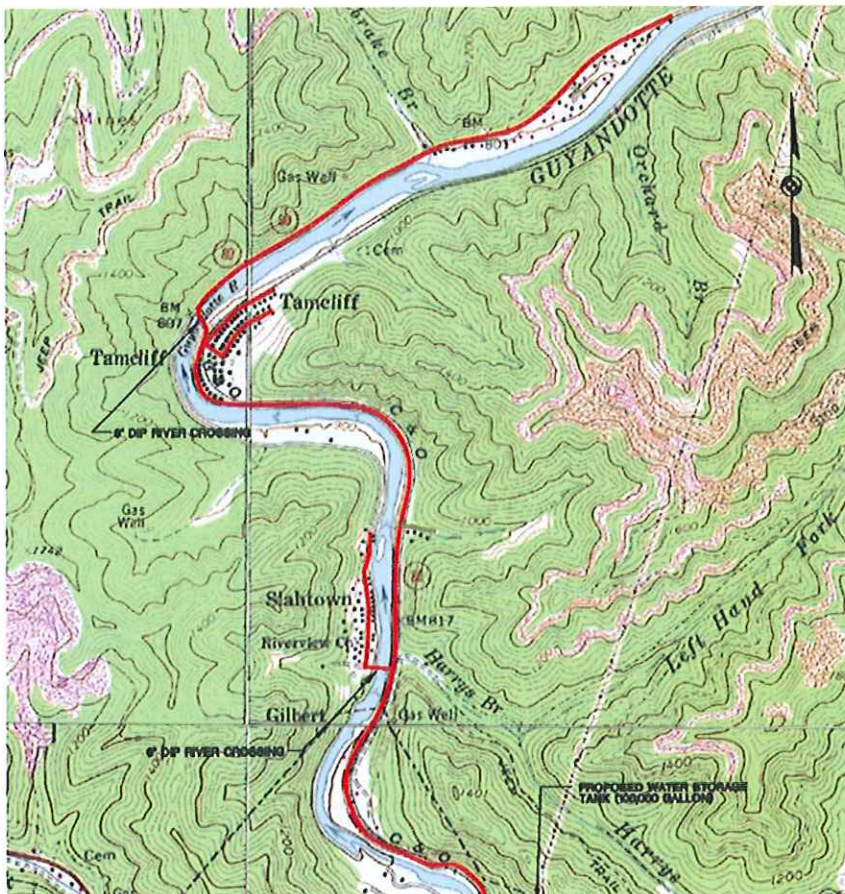
The project would provide quality and dependable potable water and fire protection service to approximately 172 potential new customers. The proposed water line extension would tie-in to the existing Gilbert Water Works distribution system near the intersection of State Route 80 and County Route 80/9 near the center of town. The water line extension would serve residents along State Route 80 including the communities of Slabtown, Tamcliff and Paynter Bottom. The proposed project would also serve residents along State Route 52 in the Tharon Arnold area south of the Town of Gilbert. The project would also include construction of a 100,000 gallon water storage tank and upgrades to the water treatment plant such as the installation of larger vertical turbine pumps and telemetry to control pumps and tanks within the distribution system

**Client**  
The Town of Gilbert

**Completion Date**  
Currently under construction

**Project Cost**  
\$2.8 Million

**E.L. Robinson's Role**  
Design and construction monitoring





## Sewer and Waterline Relocation *Putnam County, West Virginia*

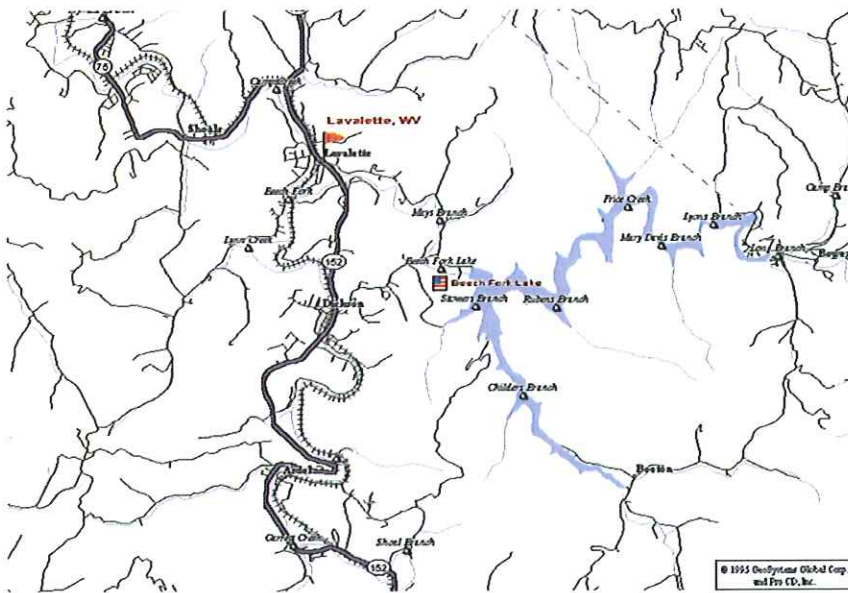
Design, bidding, contract administration and construction inspection on 9 separate projects for the relocation of 27,000 L.F. of 8" to 24" sanitary sewer and 50,000 L.F. of 6", 8" and 12" waterline due to highway projects in Putnam County. Projects also included two water booster pump stations (300 gpm and 400 gpm) and a 250 gpm sewage pump station. Funding by the WV Division of Highways.

**Client**  
Putnam County PSD

**Completion Date**  
2005

**Project Cost**  
\$6.4 million

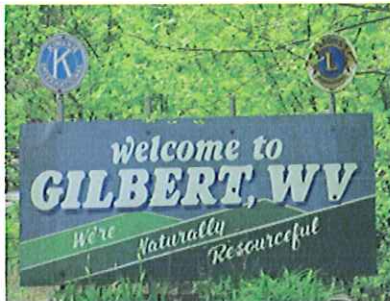
**E.L. Robinson's Role**  
Design, bidding, contract  
administration and  
construction inspection



## Gilbert Distribution System Upgrade *Mingo County, West Virginia*

E.L. Robinson was retained by the Town of Gilbert to evaluate the existing water distribution system and recommend necessary upgrades and improvements.

The proposed project includes improvements to the existing water treatment plant and distribution system such as construction of a new raw water intake, painting of the pre-settling tank and office and the repair/ replacement of the existing water storage tanks shown below. The total estimate cost of the project is \$1,035,000.



**Client**  
The Town of Gilbert

**Completion Date**  
2007

**Project Cost**  
\$ 1 Million

**E.L. Robinson's Role**  
Design and construction monitoring



## Horsepen & Gilbert Creek Waterline Extension

*Mingo County, West Virginia*

The proposed waterline extension project would provide quality and dependable potable water and fire protection service to approximately 286 residences. The proposed waterline extension would tie-in to the existing Gilbert Water Works distribution system near the intersection of State Route 52 and County Route 252/13 near the Gilbert Middle School. The waterline extension would serve residents along State Route 52 from the tie-in point in a northwesterly direction to Donaldson Branch, near the base of Horsepen Mountain. The proposed project would also serve residents along County Route 13 from its intersection with State Route 52 south to Baisden. The project would include construction of a 200,000 gallon water storage tank and booster pump station.

**Client**  
The Town of Gilbert

**Completion Date**  
Summer 2010

**Project Cost**  
\$4.8 million

**E.L. Robinson's Role**  
Design and construction monitoring



## Lick Creek Waterline Extension *Mingo County, West Virginia*

E.L. Robinson Engineering Co. was hired to provide a waterline extension to the community of Lick Creek in Mingo County. The current water lines were corroded and the area needed more lines to service the customers. E.L. Robinson Engineering Co. staff stepped in and prepared the engineering design, plans and specifications for over eleven (11) miles of new 8", 6" and 2" water lines, as well as a storage tank with a new pump station to serve more than 250 customers in the Lick Creek area of Mingo County

Currently, E.L. Robinson Engineering Co. staff is working with the West Virginia Department of Environmental Protection to insure that the design and specifications for the water line extension project meets the codes and regulations of the DEP and that it will perform the functions necessary to insure new customer satisfaction for the area of Lick Creek in Mingo County.

**Client**  
Mingo County  
Commission

**Completion Date**  
February 2007

**Project Cost**  
\$3 Million

**E.L. Robinson's Role**  
Design and construction  
inspection





## Route 52 North Water Project *Wayne County, West Virginia*

E.L. Robinson was hired by the County of Wayne to provide an extension of water service to 260 residents along US 52 from just south of Prichard, WV, to just north of the intersection of 52/37 at the end of existing Fort Gay system and all interesting county routes.

The project consisted of approximately 122,318 L.F. of main water line, one water storage tank, one booster pump station, fire hydrants, valves, etc



**Client**  
Lavalette PSD

**Completion Date**  
2008

**Project Cost**  
\$ 5 Million

**E.L. Robinson's Role**  
Planning, design and inspection

## Crockett and Millers Fork Waterline Extension

### *Wayne County, West Virginia*

E.L. Robinson was hired by the Lavalette Public Service District and the Wayne County Commission to provide an extension of water service to 177 residents throughout the Crockett and Miller Fork areas of Wayne County.

The project consisted of approximately 76,500 lineal feet of water main, a water storage tank, one booster pump station, fire hydrants, valves and other amenities.

**Client**  
Lavalette PSD

**Completion Date**  
December 2009

**Project Cost**  
\$3.7 Million

**E.L. Robinson's Role**  
Design and construction monitoring







## Staff and Resources

E.L. Robinson provides the State of West Virginia Purchasing Division 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 similar types of water projects with over 100 employees, including 26 degreed engineers, 17 of which are registered professional engineers; 15 construction inspectors and a support team of administrative and technical personnel to assist the State of WV Purchasing Division with your water storage tanks replacement project. 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 in-house.

Ray Tilley, P.E., is an experienced water resources engineer in our Infrastructure Department and has a solid understanding of the local government system in West Virginia. Experienced in the management and design of water systems, Mr. Tilley provides the State of West Virginia Purchasing Division with the knowledge and experience required for this project.

Our firm has put together a project team that is experienced in the designing and engineering of water storage tank projects and has the capacity to perform the project's scope in a timely and efficient manner:

**Mr. Ed Robinson, P.E., P.S.,** will be assigned with QA/QC responsibilities

**Mr. Ray Tilley, P.E.,** will be assigned as Project Manager

**Mr. Rick Roberts, P.E., Mr. Brian Morton, P.E. and Mr. Joe Mills, P.E.** will be assigned as the Project Engineers

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.



## 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



### Education

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

Master of Science Sanitary Engineering, Virginia Polytechnic Institute and State University, 1976

### Registrations

Registered Professional Engineer in West Virginia and Florida

Class III Public Water Supply Operator #5275-F

Class IS Wastewater Treatment Works Operator

### Professional Experience

Mr. Tilley's experience in the water and wastewater field brings clients a unique perspective to their projects. He has worked as a regulator, a PSD Manager and operator as a consulting engineer, and has experience in grantsmanship. His varied experience offers clients an engineer who can assist in the funding of projects, prepare the necessary studies, design the project, work with regulators to secure approvals and oversee implementation. Most importantly, Mr. Tilley has the background necessary to see a project from the perspective of not only an engineer but also a utility manager and operator.

During his career, Mr. Tilley has taken many water and wastewater projects from inception to successful completion. Mr. Tilley has also read meters, flushed water systems and operated water treatment plants and wastewater systems. The understanding gained from that experience offers valuable insight to his clients.

As a Project Manager, Mr. Tilley emphasizes communication, operator involvement in the design process, and seeks to provide a completed design, which will be economical to build, to operate and maintain.

### Representative Projects

#### **Water System Planning**

- **Mercer County Water Study, Mercer County Commission:** In the early 1980's, Mr. Tilley prepared a county-wide water study for the Mercer County Commission looking at areas of Mercer County that needed water service. Over the last two decades, that plan has been used as the basis for many projects, and continues to provide a valuable planning tool today.
- **Logan County PSD Rum and Huff Creek Regional Water System Studies:** Mr. Tilley prepared the Rum Creek Water Study and oversaw the preparation of the Huff Creek Study. These documents were used as a planning tool to extend water service to much of Logan County.
- **Northern Fayette County Regional Water Study:** In the 1990's, Mr. Tilley prepared this engineering report. It has provided an outline for providing water to northern Fayette County.
- **McDowell County PSD Water Study:** Because of his previous experience in county-wide water system planning, Mr. Tilley was sought to prepare the engineering report for replacing failing water systems in McDowell County. The complete study recommended a phased approach which has been closely followed to successfully replace those failing systems.

# Tilley Continued

- **Logan County PSD:** Working as Project Manager, Mr. Tilley was involved in the design and construction of the Mud Fork Water System Extension, Rum Junction-Lyburn Water System Extension, Greenville Water System (including a 700 gpm surface water treatment plant), Dehue Water System Extension and designed and bid the Huff Junction-Green Valley Water System Extension. He also oversaw the design of the Atenville extension of the PSD's Big Creek water system.
- **Town of Ansted:** As Project Manager, Mr. Tilley worked to implement this project to add 330,000 gallons of storage to the Town's water system and to provide raw water intake in the New River.
- **McDowell County PSD:** Mr. Tilley served as Project Manager on the separate Coalwood and Caretta Water Systems.

Each of these systems involved a ground water treatment plant to remove iron and manganese. Mr. Tilley also designed water system extensions to serve Hemphill, Capels, Havaco, Wilco and Premier and did the preliminary design for the Bartley-English Water System. He also assisted the District in the installation of a microfiltration water plant for the community of Buchanan and consulted with the PSD during the development, design and construction of the Berwind Water Project.

- **Cool Ridge-Flat Top PSD:** Served as Project Manager for this effort to increase the pumping capacity of this water system.
- **Bluewell PSD:** Mr. Tilley served as Project Manager for the extension of water along the Falls Mills Road to the Virginia State Line. He also served as Project Manager on the project to extend water along Route 20 to the community of Littleburg and along the upper portion of the Littleburg Road. During that same project, water was extended to the communities of Duhring and Flipping. As the PSD's General Manager, he prepared the preliminary engineering report for a project to extend water to the Kirby Addition area of Bluewell and to make improvements to the Town of Bramwell Water System and incorporate it into Bluewell PSD.
- **Lincoln PSD:** Oversaw design of the Garrett's Bend/Molly Branch water system extension, design of an upgrade to the water treatment plant and booster stations and design of the Pine Grove/Priestley Ridge water project.

## Water System Operation

As Managing Engineer at Logan County PSD, Mr. Tilley operated a 700 gallon per minute (gpm) surface water treatment plant having an upflow clarifier and mixed media filtration. He also operated a 100 gpm groundwater plant having pressure greensand filters. Logan County PSD had approximately 1,200 customers in five water systems when Mr. Tilley left in 1989.

While General Manager at Bluewell PSD, Mr. Tilley oversaw operation of the District's 2,300-customer water system including serving as an operator at the plant. The plant is a 600 gpm facility that treats water drawn from lakes. While at Bluewell, Mr. Tilley oversaw upgrades to the plant including replacement of the filter media and underdrain system and installation of an adjustable, floating intake in the lake to maximize raw water quality.



### Education

B.S. Civil Engineering  
West Virginia Institute of Technology, 1982

### Registrations

Registered Professional Engineer in West Virginia, West Virginia Class II Water Operator, West Virginia Class I – S Wastewater Operator

### Professional Experience

Mr. Roberts has more than 25 years of experience as a water/wastewater designer, regulator and utility manager. He has extensive experience in project planning, specifically in water and wastewater extensions and the establishment and implementation of maintenance and preventative maintenance programs.

Mr. Roberts worked as a Utility Engineer with the Public Service Commission in the late 1980s. His primary responsibilities included gathering data and approving county plans as authorized by Sentate Bill 191.

Mr. Roberts was the Managing Engineer for the Logan County PSD for more than 20 years. In this position, he was responsible for all aspects of the District's operations including financial planning, budgeting, operation maintenance, environmental compliance and testing, project planning and implementation, and regulatory over site and compliance.

### Specific Accomplishments

- Oversaw the completion of the construction of twenty-three major water and wastewater projects totaling over \$73,000,000.
- Responsible for the construction of a 2,800 GPM surface water treatment plant that was constructed so that it may be affordably upgraded to 5,600 GPM should the need arise. The plant went online in October 2002 and is exceeding all state and federal treatment requirements.
- Oversaw the construction of a regional 1.0 MGD Wastewater Treatment Plant capable of treating wastewater for over 2,000 customers. Further, the plant is upgradable to 3.0 MGD.
- Managed the purchase and upgrade of 23 privately owned water systems in Logan County. At the time of purchase, each was in poor condition and under "boil water advisories." All of these systems have, or soon will be replaced or upgraded.
- Assisted in flood recovery in the 1996 Logan County and 2001 Wyoming County floods. Mr. Roberts responsibilities included damage assessment, coordination with state and federal officials including FEMA and the actual repair and disinfection of the affected systems.
- Oversaw the extension of water and/or wastewater service to various economic development sites including the Logan County Airport, Southwestern Regional Jail, Earl Ray Tomblin Industrial Park, Wood Products Industrial Park, Chief Logan State Park Convention Center, Fountain Place Mall/Complex, Hatfield and McCoy Trail Facilities as well as eight exits of U.S. 119. All were completed on time and at or under budget.

# Roberts Continued

- Precipitated a phenomenal growth and expansion at Logan County PSD. This growth can be attributed to several key factors: increased number of customers served; increased annual operating revenues; increased Utility Plant in service; increased amount of water mains in service; installed additional fire hydrants; and constructed additional storage tanks.

## Recent Project Experience

• Logan County PSD	Upper Little Harts Creek Water Extension	\$2,710,000	Bidding
• Logan County PSD	Marsh Fork Water Extension	\$2,910,000	Design
• Logan County PSD	Hidden Valley Water Upgrade	\$590,000	Design
• Logan County PSD	Regional Wastewater Project	\$154,000,000	Planning
• Town of Delbarton	Wastewater Upgrade and Extensions	\$10,693,420	Design
• Town of Gilbert	Slabtown Water Extension	\$2,889,478	Construction
• Town of Gilbert	Horsepen/Gilbert Creek Water Extension	\$4,843,000	Design
• Town of Gilbert	Browning Fork Water Extension	\$1,486,000	Design
• Lubeck PSD	Lake Washington Wastewater Extension	\$3,400,000	Design
• Town of Matewan	Red Jacket Wastewater Upgrade	\$5,324,000	Design
• Mingo County Redevelopment Authority			
	King Coal Hwy Water and Sewer Extensions	\$6,278,000	Construction
• Mingo County Redevelopment Authority			
	Mingo Co. H.S. Water and Sewer Extensions	\$1,950,000	Design
• Queen Shoals PSD	Water System Upgrade and Extension	\$1,900,000	Bidding
• City of Williamson	Wastewater Improvement Project	\$1,055,000	Construction





## Brian Morton, P.E. Project Engineer

### Education

B.S. Civil Engineering, West Virginia University Institute of Technology, 1998

### Registrations

Registered Professional Engineer in West Virginia, Ohio and Florida

WVDOH Certified Aggregate Sampling Inspector WVDOT Certified Portland Cement Concrete Inspector

Certified Student Pilot, FAA

### Professional Memberships

American Society of Civil Engineers (ASCE)

American Water Works Association (AWWA)

### Professional Experience

Mr. Morton has over seven years of experience in many areas of civil engineering including roadway design projects, airport design projects, water distribution systems, sanitary sewer collection systems, storm water collection systems, site development projects and ADA accessible train and bus station improvements. Prior to joining E.L. Robinson Engineering Co., Mr. Morton worked with the WV Division of Highways as an Engineering Co-op Technician. His responsibilities at E.L. Robinson Engineering Co. include project management, construction management, contract administration, and project engineering.

### Representative Projects

Highway Design:

**US Route 52 - Kermit Bypass:** This project consisted of 2.5 miles of four-lane divided highway, 3,000 LF of four-lane access road design, two 4-ramp intersections, one set of twin structures, one single bridge, and 2,900 LF of stream relocation, all of which resulted in 10 million cubic yards of excavation and an estimated total construction cost of \$88 million.

**Corridor H - Davis to Bismarck:** This project consisted of 1.75 miles of four-lane divided highway, one bridge, two at-grade intersections, and a 6' X 6' concrete box culvert. This project has an estimated total construction cost of \$9 million.

**Corridor H – Foreman to Moorefield:** This project consisted of 5 miles of four-lane divided highway, almost 3 miles of access road design, a truck escape ramp, one set of twin structures, one single bridge, a box culvert, and naturalized stream design. This project resulted in 10 million cubic yards of excavation and an estimated construction cost of \$75 million.

**Meadowbrook Road:** This project consisted of 1.4 miles of four-lane divided highway, one set of twin structures, two at-grade intersections, and a tie-in to existing US Route 19. The project had an estimated total construction cost of \$19 million.

# Morton Continued

**I-79 Bridgeport to Meadowbrook:** This project consisted of widening 2.1 miles of Interstate 79 to 8-lanes, including three bridges, tie-ins to two intersections, and water and sewer line relocation. The total construction cost for this project was near \$30 Million.

**Lower Gassaway Bridge Replacement:** This project consisted of 0.3 miles of roadway relocation, a 453' long bridge, three at-grade intersections, an at-grade railroad crossing, and a boat-loading ramp. The total construction cost for this project was \$3.5 Million.

## Airport Design:

**Implementation of the 2003 and 2004 AIP projects at the Lawrence County (Ohio) Airpark:** This included Runway Safety Area Study Report; Airport Layout Plan update including Aviation Forecasting, wind coverage analysis using FAA software "Airport Design 4.2D," non precision GPS instrument approach analysis, Part 77 Imaginary Surface analysis, Appendix II threshold siting criteria analysis, displaced threshold and declared distance calculations and property acquisition analysis. The implementation consisted of the preparation of detailed plans and specifications conforming to FAA advisory circulars and cost estimations for the construction of a runway and taxiway rehabilitation, runway and taxiway pavement markings, apron and tie-down area expansion which included pavement design, major and minor drainage improvements around the airport and site grading and reclamation around apron and taxiways; assisted in the bidding phase and the preconstruction issues as well as construction management including airport safety briefings and NOTAMs for these projects.

## Utility Relocation:

Water and Sewer Relocation for the Route 35 / I-64 interchange; Waterline Relocation for the Big Tyler Center Turn Lane Project; Water and Sewer Relocation for Route 34 Roadway Widening Project; Sanitary Sewer Relocation for the I-79 Meadowbrook Bridge; Various Gas Line Relocations for Consumers Gas Company.

## Waterline Distribution:

Waterline Extension Projects in Cabell, Wayne, Kanawha and Putnam Counties included the design and construction management of miles of waterline and several water storage tanks and booster pump stations.

## Site Development:

**CAMC 33rd Street Relocation:** engineering design and construction management for the relocation of 33rd street and site development for a five story clinical teaching facility in Charleston, WV. Other site design projects include Uno's Pizzeria in Teays Valley, WV; Go Mart in Gallipolis, Ohio; Montgomery Amtrak Bus and Train Station Improvements Project in Montgomery WV.





## Joe Mills, P.E. Project Engineer

### **Education**

M.S. Civil Engineering, Virginia Tech, 1993  
B.S. Civil Engineering, Virginia Tech, 1990

### **Registrations**

Registered Professional Engineer in West Virginia

### **Professional Experience**

Mr. Mills has over 15 years of experience in consulting engineering, holding at various times the positions of project engineer, project manager, office manager and vice president. He has extensive experience in structural engineering for building and bridge projects, along with experience in water systems. He has been the engineer of record for numerous multi-million dollar projects, providing comprehensive engineering services from inception through construction.

### **Representative Projects**

Jolo/Paynesville Phases 3, 4 and 5 Water Projects, McDowell County Pubic Service District, McDowell County, WV

Elkhorn Water Project, McDowell County Pubic Service District, McDowell County, WV

Airport Water System Upgrade and Ameagle Water System, Raleigh County Public Service District, Raleigh County, WV

Clear Creek Crossing Waterline Extension, Raleigh County Public Service District, Raleigh County, WV

Pluto Road/Bragg Waterline Study, Raleigh County Public Service District, Raleigh County, WV

Fireco Waterline Extension, Raleigh County Public Service District, Raleigh County, WV

Glade Springs Village Utilities Project, Justice Holdings, LLC, Raleigh County, WV

Wilson Ridge Waterline Extension, Birch River Public Service District, Clay County, WV

Clarification Enhancement Project, Putnam Public Service District, Putnam County, WV

Learning Resource Center, The College of West Virginia, Beckley, WV

Residence Hall, The College of West Virginia, Beckley, WV

Beckley-Stratton Consolidated Jr. High School, Raleigh County Board of Education, Beckley, WV

Winterplace Lodge Expansion, Bright Enterprises, Ghent, WV

## Mills Continued

Enterprise Child Development Center, River Valley Child Development Services, Huntington, WV

The New River Birth Center, New River Family Health Center, Scarbro, WV

The Community Bank, Mt. Airy, NC

The Clarksburg Center, Fairmont State College, Clarksburg, WV

Pinecrest Multi-Use Building, Pinecrest Development Corporation, Beckley, WV

Clarksburg Federal Building, General Services Administration, Clarksburg, WV

N.C.S.U. Partners II Laboratory, North Carolina State University, Raleigh, NC

Athens Clinic, Athens, WV

Green Bank Elementary/Middle School Addition/Renovations, Green Bank, WV

United States Postal Service, Petersburg Main Post Office, Petersburg, WV

Casa Ole' Mexican Restaurant, Beckley, WV

Schwan's Sales Building Foundation Design, Beaver, WV

Mine Academy Test Building Foundation Design, Beaver, WV

Shepherd Bridge, Marshall County, WV

Grafton High School Arch Bridge, Taylor County, WV

US220 Ramp Connector Bridge, Hardy County, WV

Bruno Bridge, Logan County, WV

Camden on Gauley Truss Bridge Replacement, Webster County, WV

Steinbeck Bridge Replacement, Roane County, WV

Muddy Creek Bridge Replacement, Greenbrier County, WV

Switzer/Monty Brothers Bridge Replacement, Logan County, WV

WV Rt. 17 Connector Bridge, Logan County, WV

East Beckley Bypass Bridge, Raleigh County, 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.



## 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 gas line construction and drilling projects.

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

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

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

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

### Representative Projects

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
- Construction of water and sewer lines for South Putnam PSD on Teays Valley RD+1 and 34 Widening in Scott Depot
- Inspected replacement of sewage treatment plant at Holly River State Park
- Inspected construction of a storm sewers in Charleston and Parkersburg
- Inspected relocations of gas and waterlines for Southern PSD for the construction of U.S. 119 in Holden
- Inspected relocation of gas lines for Consumers Gas on Docks Creek, Whites Creek and Harrisville
- Inspected construction of waterline for the WVDEP on Pigeon Creek in Mingo County
- Inspected construction of waterlines for WVAVC on these projects. Big Tyler Relocation, Kanawha County RDA, Curtain to Cherry Falls, Danville, Uneeda-Quinland and Coopers Creek
- Highway Construction Inspector on Rte. 35
- Sewer Installation for Putnam PSD





## Brandon Hodges Construction Inspection

### Education

West Virginia University - PJCC, Ripley WV: January 1995 - May 1995  
Marshall University, Huntington WV: August 1992 - January 1994

### Professional Experience

#### **Construction Inspector**

In the past five years Mr. Hodges has inspected waterlines exclusively. He has performed inspection duties on various projects throughout West Virginia, including highways, water and sewer. Ensured all work was completed correctly through interaction with contractors and project engineers. Documented project progress through detailed daily reports. Projects include: Hamlin P.S.D. sewage upgrade (Hamlin, WV), U.S. Route 35 water and sewer relocation (Teays Valley, WV), U.S. Route 50 Bypass/Little Kanawha River Bridge (Parkersburg, WV).

#### **Surveyor**

Performed general surveying duties on various survey projects including property lines, boundary surveys, topographic surveys, utility surveys and subdivision lots. Involved in all aspects of surveying including brush cutting, rod work, GPS, and operating Theodolite/ EDM.

### Certifications

ACI certified Field Testing Technician, Grade I  
WVDOT certified Portland Cement Concrete Inspector  
WVDOT certified Aggregate Sampling Inspector  
WVDOT certified Compaction Inspector

E. L. Robinson Engineering Company's Construction Inspection (CI) Staff consists of 15 individuals, each having outstanding experience and knowledge of construction. We maintain our CI Staff as permanent employees allowing our clients to benefit from the accumulation of years of experience both in observing construction and also in working with our Project Managers. To function as a team, the team members must be familiar with one another. By keeping a successful team together, our clients benefit from that continued experience.

When not providing CI services, our Staff serves as field designers where knowledge and experience gained from inspection work is then put to use in the design effort. The knowledge and experience gained from the design effort is in turn put to good use in the inspection work. This shifting of responsibilities and viewpoints makes for a better design and also improved inspection.

The CI Staff of E. L. Robinson Engineering Company has years of experience in providing quality construction inspection services for utilities throughout West Virginia. The construction inspectors have completed many projects utilizing various funding scenarios that require significant oversight and varied record keeping.

Our CI Staff provides full time representation under the direction of the Project Manager. The Staff has experience in reviewing the progress schedule, schedule of Shop Drawing and Sample submittals, and schedule of values prepared by Contractor.

The CI Staff of our company has years of experience in the preparation of daily reports which include recording Contractor's hours on the Site, weather conditions, data relative to questions of Change Orders, Field Orders, Work Change Directives, or changed conditions, site visitors, daily activities, decisions, observations in general, and specific observations in more detail as in the case of observing test procedures.

Additionally, our CI Staff provides maintenance of records and orderly files for correspondence, reports of job conferences, reproductions of original Contract Documents including all Change Orders, Field Orders, Work Change Directives, Addenda, additional Drawings issued subsequent to the execution of the Contract, Engineer's clarifications and interpretations of the Contract Documents, progress reports, Shop Drawing and Sample submittals received from and delivered to Contractor, and other Project-related documents. Our CI Staff also keeps a separate set of drawing mark-ups to supplement the Contractor's Record Drawings.



The first step in providing for the smooth flow of pay estimates is the establishment of the Progress Payment Schedule. Based on client meetings or approval dates, ELR works backwards to identify key dates for submittals so that all parties have adequate time for review and correction of the submitted materials. In unit bid price contracts, the items and quantities are established in the bid schedule. In a lump sum contract, ELR works with the Contractor to establish subtasks and to identify values associated with those tasks. This Schedule of Values is then used by the Construction Inspector, Contractor and Owner to better assess the progress of construction.

The Construction Inspector and the Contractor meet weekly to agree upon the status of construction. The first submittal that ELR requests of the contractor is the Pay Estimate in spreadsheet format. This is then reviewed and any discrepancies resolved prior to the paper copies being printed for signatures. The Construction Inspector and Contractor interact daily. The Construction Inspector and Project Engineer interact as necessary. Each month, the Project Engineer holds a Progress Meeting at the job site with the Contractor, construction Inspector and the Owner, if they wish, where the progress is discussed and any problems resolved.

Additionally, the Contractor is required to initially submit a Construction Schedule and that Schedule is reviewed each month.

Our CI Staff has experience and is completely familiar with the process of reviewing applications for Payment with Contractors for compliance with the established procedure for their submission and forwarding with recommendations to Project Manager, noting particularly the relationship of the payment requested to the schedule of values, work completed, and materials and equipment delivered at the Site but not incorporated in the Work.

The CI Staff is familiar with the preparation of punch lists and has attended numerous substantial and final inspections. We are familiar with all aspects of construction administration/inspection from the start of construction through final inspection.

E.L. Robinson Engineering Company maintains a permanent and highly qualified construction inspection staff with the necessary experience to very capably oversee the construction of your project.



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