

January 25, 2011

Statement of Qualifications

WV Division of Engineering & Facilities

WV Army National Guard
RFQ# DEFK11024

Charleston Armory Complex
Site Improvements Project

E.L. ROBINSON

the Challenge. the Choice.™

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WV PURCHASING
DIVISION

E.L. Robinson Engineering Co.
5088 Washington Street, West
Charleston, WV 25313
Phone: (304) 776-7473
Fax: (304) 776-6426
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

RFO NUMBER
 DEFK11024

PAGE
 1

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

PROPERTY

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SHIP TO

DIV ENGINEERING & FACILITIES
 ARMORY BOARD SECTION
 1707 COONSKIN DRIVE
 CHARLESTON, WV
 25311-1099 304-341-6368

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
12/14/2010				

BID OPENING DATE: 01/25/2011 BID OPENING TIME 01:30PM

LINE	QUANTITY	UCP	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, DIVISION OF ENGINEERING & FACILITIES, WV ARMY NATIONAL GUARD, IS SOLICITING EXPRESSIONS OF INTEREST FOR PROFESSIONAL ARCHITECTURAL ENGINEERING DESIGN SERVICES FOR AN ACCESS ROAD, UTILITY UPGRADES AND ROUGH SITE GRADING TO THE CHARLESTON ARMORY COMPLEX, PER THE FOLLOWING BID REQUIREMENTS AND THE ATTACHED SPECIFICATIONS. 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. 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. 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.						

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'

GENERAL TERMS & CONDITIONS
REQUEST FOR QUOTATION (RFQ) AND REQUEST FOR PROPOSAL (RFP)

1. Awards will be made in the best interest of the State of West Virginia.
 2. The State may accept or reject in part, or in whole, any bid.
 3. Prior to any award, the apparent successful vendor must be properly registered with the Purchasing Division and have paid the required \$125 fee.
 4. All services performed or goods delivered under State Purchase Order/Contracts are to be continued for the term of the Purchase Order/Contracts, contingent upon funds being appropriated by the Legislature or otherwise being made available. In the event funds are not appropriated or otherwise available for these services or goods this Purchase Order/Contract becomes void and of no effect after June 30.
 5. Payment may only be made after the delivery and acceptance of goods or services.
 6. Interest may be paid for late payment in accordance with the *West Virginia Code*.
 7. Vendor preference will be granted upon written request in accordance with the *West Virginia Code*.
 8. The State of West Virginia is exempt from federal and state taxes and will not pay or reimburse such taxes.
 9. The Director of Purchasing may cancel any Purchase Order/Contract upon 30 days written notice to the seller.
 10. The laws of the State of West Virginia and the *Legislative Rules* of the Purchasing Division shall govern the purchasing process.
 11. Any reference to automatic renewal is hereby deleted. The Contract may be renewed only upon mutual written agreement of the parties.
 12. **BANKRUPTCY:** In the event the vendor/contractor files for bankruptcy protection, the State may deem this contract null and void, and terminate such contract without further order.
 13. **HIPAA BUSINESS ASSOCIATE ADDENDUM:** The West Virginia State Government HIPAA Business Associate Addendum (BAA), approved by the Attorney General, is available online at www.state.wv.us/admin/purchase/vrc/hipaa.htm and is hereby made part of the agreement. Provided that the Agency meets the definition of a Cover Entity (45 CFR §160.103) and will be disclosing Protected Health Information (45 CFR §160.103) to the vendor.
 14. **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. Vendor further agrees to comply with the Confidentiality Policies and Information Security Accountability Requirements, set forth in <http://www.state.wv.us/admin/purchase/privacy/noticeConfidentiality.pdf>.
 15. **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, and the West Virginia Insurance Commission. 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.
 16. **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 material, 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.

INSTRUCTIONS TO BIDDERS

1. Use the quotation forms provided by the Purchasing Division. Complete all sections of the quotation form.
2. Items offered must be in compliance with the specifications. Any deviation from the specifications must be clearly indicated by the bidder. Alternates offered by the bidder as **EQUAL** to the specifications must be clearly defined. A bidder offering an alternate should attach complete specifications and literature to the bid. The Purchasing Division may waive minor deviations to specifications.
3. Unit prices shall prevail in case of discrepancy. All quotations are considered F.O.B. destination unless alternate shipping terms are clearly identified in the quotation.
4. All quotations must be delivered by the bidder to the office listed below prior to the date and time of the bid opening. Failure of the bidder to deliver the quotations on time will result in bid disqualifications: Department of Administration, Purchasing Division, 2019 Washington Street East, P.O. Box 50130, Charleston, WV 25305-0130
5. Communication during the solicitation, bid, evaluation or award periods, except through the Purchasing Division, is strictly prohibited (W.Va. C.S.R. §148-1-6.6).



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<p>DEADLINE FOR ALL TECHNICAL QUESTIONS IS 01/06/2011 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.</p> <p style="text-align: center;">NOTICE</p> <p>A SIGNED BID MUST BE SUBMITTED TO:</p> <p style="text-align: center;">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.: ----- DEFK11024 -----</p> <p>BID OPENING DATE: ----- 01/25/2011 -----</p> <p>BID OPENING TIME: ----- 1:30 PM -----</p>						

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25311-1099 304-341-6368

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LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
PLEASE PROVIDE A FAX NUMBER IN CASE IT IS NECESSARY TO CONTACT YOU REGARDING YOUR BID: ----- 304.776.6426 ----- CONTACT PERSON (PLEASE PRINT CLEARLY): ----- Randall Lewis ----- ***** THIS IS THE END OF RFQ DEFK11024 ***** TOTAL: _____						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE <i>Randall Lewis</i>	TELEPHONE 304.776.7473	DATE 1-21-11
TITLE VP.	FEIN 550594633	ADDRESS CHANGES TO BE NOTED ABOVE

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

RFQ No. DEFK11024

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 owed 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 exceed 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 Co.

Authorized Signature: [Signature] Date: 1-21-11

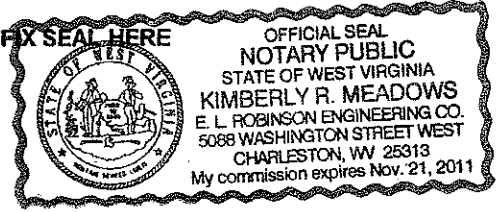
State of West Virginia

County of Kanawha to-wit:

Taken, subscribed, and sworn to before me this 21 day of January, 2011.

My Commission expires November 21, 2011.

AFFIX SEAL HERE



NOTARY PUBLIC [Signature]



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ADDENDUM NO. 1						
1. QUESTIONS AND ANSWERS ARE ATTACHED. 2. ADDENDUM ACKNOWLEDGEMENT IS ATTACHED. THIS DOCUMENT SHOULD BE SIGNED AND RETURNED WITH YOUR BID. FAILURE TO SIGN AND RETURN MAY RESULT IN DISQUALIFICATION OF YOUR BID.						
EXHIBIT 10						
REQUISITION NO.: DEFK11024						
ADDENDUM ACKNOWLEDGEMENT						
I HEREBY ACKNOWLEDGE RECEIPT OF THE FOLLOWING CHECKED ADDENDUM(S) AND HAVE MADE THE NECESSARY REVISIONS TO MY PROPOSAL, PLANS AND/OR SPECIFICATION, ETC.						
ADDENDUM NO.'S:						
NO. 1 ✓						
NO. 2						
NO. 3						
NO. 4						
NO. 5						
I UNDERSTAND THAT FAILURE TO CONFIRM THE RECEIPT OF THE ADDENDUM(S) MAY BE CAUSE FOR REJECTION OF BIDS.						

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TITLE _____ FEIN _____ ADDRESS CHANGES TO BE NOTED ABOVE

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VENDOR MUST CLEARLY UNDERSTAND THAT ANY VERBAL REPRESENTATION MADE OR ASSUMED TO BE MADE DURING ANY ORAL DISCUSSION HELD BETWEEN VENDOR'S REPRESENTATIVES AND ANY STATE PERSONNEL IS NOT BINDING. ONLY THE INFORMATION ISSUED IN WRITING AND ADDED TO THE SPECIFICATIONS BY AN OFFICIAL ADDENDUM IS BINDING.

Kardell J. ...
 SIGNATURE

E.L. Robinson
 COMPANY

1-21-11
 DATE

NOTE: THIS ADDENDUM ACKNOWLEDGEMENT SHOULD BE SUBMITTED WITH THE BID.

REV. 09/21/2009

END OF ADDENDUM NO. 2

0001

JB

906-00-00-001

1

ARCHITECT/ENGINEERING SERVICES, PROFESSIONAL

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE	TELEPHONE	DATE
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January 25, 2011

Ms. Tara Lyle
Purchasing Division
P.O. Box 50130
Charleston, WV 25305-0130

Re: Expression of Interest for Charleston Armory Complex RFQ DEFK11024

Dear Ms. Lyle:

E.L. Robinson Engineering Co. (ELR) is pleased to have the opportunity to submit our Statement of Qualifications to provide the WV Division of Engineering and Facilities, WV Army National Guard with planning, design and construction related services for the Charleston Armory Complex project.

ELR has planned, designed and administered the construction of numerous site engineering projects involving access roads, utility upgrades, and site grading. ELR has also completed numerous related projects such as the Upshur County, Mingo County Wood Products, and the Earl Ray Tomblin Industrial Parks.

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 your project. 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.

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, its requirements and all regulations that are applicable. We offer prompt and proficient accessibility to the WV Army National Guard, the project area and all funding and regulatory agencies.

We want to emphasize that your project is very important to E.L. Robinson Engineering Co. This project is an opportunity for ELR to renew a relationship with the WV Army National Guard and we look forward to personally discussing our qualifications to complete this project on-time, within budget and exceeding the standards of any firm you may have worked with previously.

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



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

E.L. Robinson Engineering Company fully understands the requirements for this project and is committed to giving the WV Army National Guard (WVANG) the time and attention that is necessary.

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 WV Army National Guard an integral part in the planning and design of this project. We want to make sure that the senior staff of the Charleston Armory are part of the design process 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 WVANG.



E.L. Robinson provides the WVANG 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 site engineering with over 80 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 WVANG with your 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 these projects from conception to completion with a wide variety of experienced professionals in-house.

E.L. Robinson Engineering Co. will work diligently to deliver the highest quality and most cost effective solutions. We have extensive knowledge in road design, utility extensions and site development and are currently working with clients on a number of similar projects in West Virginia. We also have an excellent understanding of the requirements for this type of project and have a good working relationship in representing clients with WV Division of Highways; WV Bureau for Public Health; WV Development Office; WV Division of Environmental Protection; Small Cities Block Grant Program;

Appalachian Regional Commission; WV Public Service Commission and many other funding and regulatory issues.

Brian Morton, P.E., manages most of our site engineering projects. His experience is in many areas of civil engineering including roadway design projects, airport planning and design projects, water distribution systems, sanitary sewer collection systems, storm water collection systems and site development projects. His responsibilities include project management, construction management, contract administration, and project engineering and design. He is currently managing several site development projects for Charleston Area Medical Center and the Upshur County Industrial Park.

Firm's Responsiveness

E.L. Robinson Engineering Co. believes in the necessity to work closely with the client to keep them apprised of the status of their projects 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. We will be a productive partner with the WVANG and this project's needs.

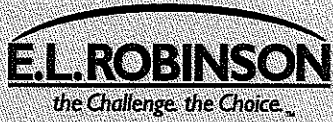




Firm's Previous Experience in Related Site Engineering Projects

Such demonstrations can be seen in our previous work on site engineering, road design, and utility design. Projects E.L. Robinson has worked on in the past include:

- **Regional Wastewater Extension Project**
- **Corridor H - Foreman to Moorefield**
- **Putnam County PSD System Improvements**
- **Mingo County Wood Products Industrial Park**
- **Hamlin PSD Sewer System Upgrade**
- **Stonecoal Creek Sanitary Sewer Replacement**
- **Lincoln County Economic Development Authority**
- **Town of Gilbert Wastewater Treatment Plant & Improvements Plan**
- **Meadowbrook Road - US 19 Upgrade**
- **Town of Wayne Sewer Replacement/Extension**
- **Earl Ray Tomblin Industrial Park**
- **Holly River State Park Wastewater Treatment Plant**
- **Blackwater Falls State Park Sewage Treatment Plant Replacement**
- **Sanitary Sewer Relocation for Route 34 Widening at Hurricane**
- **City of Williamson Wastewater System Improvements**
- **Lake Washington Sanitary Sewer System Extension**
- **Upshur County Industrial Park**
- **Meadowbrook Sanitary Sewer Extension**
- **CAMC 33rd Street Relocation**
- **Mingo Central High School Water and Wastewater Utility Extensions**
- **Belo Industrial Park**
- **Saturn of Charleston - Huntington**
- **Shady Spring Public Service District**
- **Stonewall Jackson Resort Pedestrian Bridge**
- **Weston Stonecoal Creek Sanitary Relocation**
- **Sanitary Sewer and Waterline Relocation for Route 34 Widening in Teays Valley**
- **Pigeon Creek Water**



Firm's Past Relationship with The State of West Virginia

E.L. Robinson's staff has a long and successful relationship with the State of West Virginia. We are currently providing engineering services to the WV Division of Highways, WV Division of Environmental Protection, Abandoned Mine Lands Program, and WV Division of Natural Resources, Parks and Recreation.

E.L. Robinson has a proven track record with all these state agencies having provided services on many road, utility infrastructure and site grading related projects.





Project Approach

E.L. Robinson is familiar with this project location 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 WVANG for planning, design and construction related services for the road extensions, site grading and utility extensions.

E.L. Robinson will work closely with the WVANG and all regulatory/funding agencies to allow this necessary project to advance. We feel that our respective knowledge and experience in the planning, funding and design of similar projects are significant assets in developing a cost-effective solution to this wastewater project.

Professional services will include the following:

- Survey and mapping
- Geotechnical investigations and analysis
- Design of the project
- Preparation of bidding and contract documents
- Participation in the solicitation and evaluation of bids received
- Assistance in obtaining easements and other property if necessary
- Preparation of all necessary permit applications
- Construction administration and construction inspection



Firm's Staffing/Capacity to Perform Project's Scope

Our firm has put together a project team that is experienced in the planning and design of sanitary sewer projects and has the capacity to perform each project's scope in a timely and efficient manner:

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

Mr. Brian Morton, P.E., will be assigned as Project Manager

Mr. Jeff Nelsen will be assigned as the Assistant Project Manager

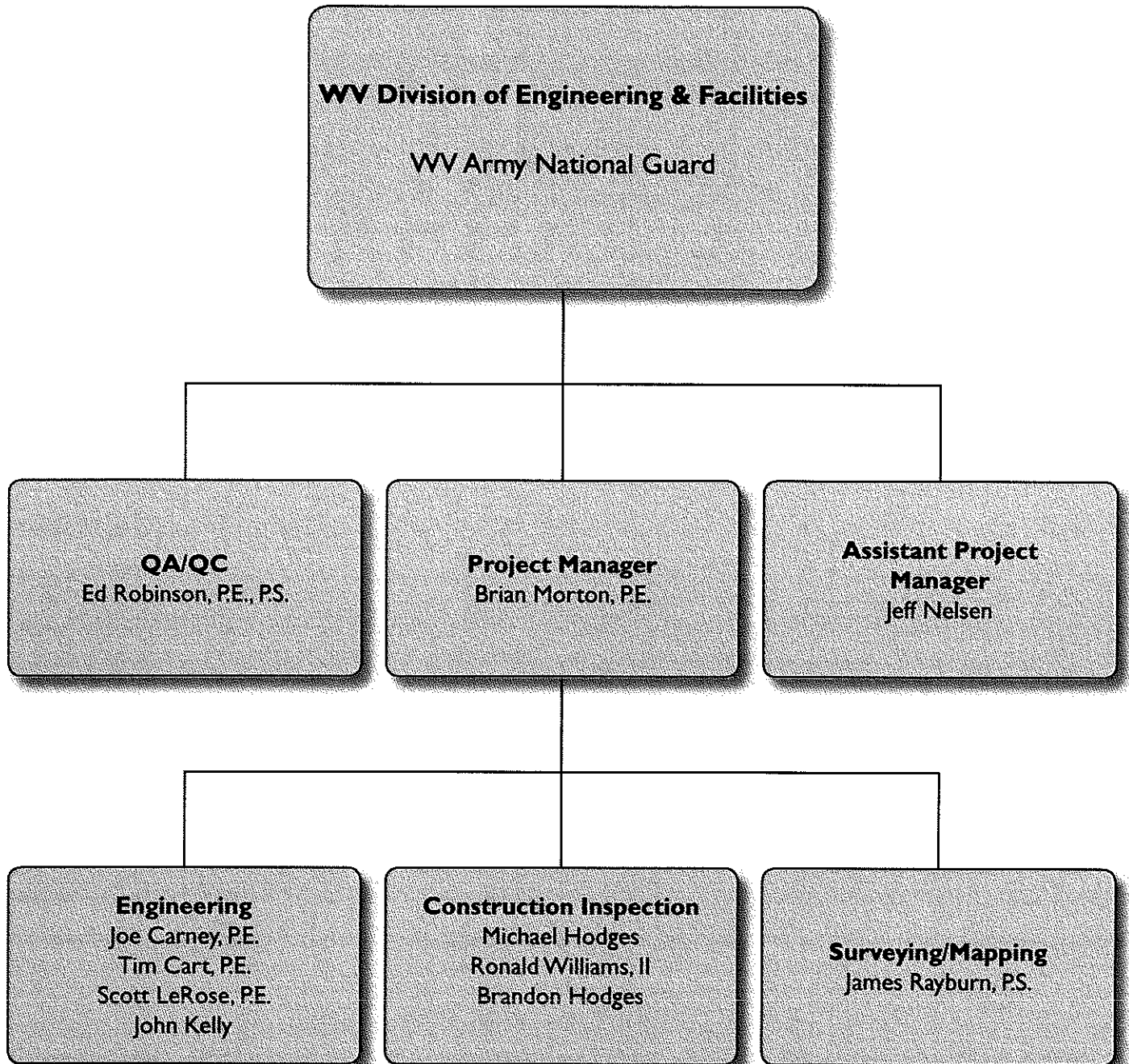
Mr. Joe Carney, P.E., Mr. Tim Cart, P.E., Mr. Scott LeRose, P.E., and Mr. John Kelly will be assigned as the Project Engineers

Mr. James Rayburn, P.S. will be assigned to oversee all Surveying activities

Our staff is well qualified and experienced in related site development. Each has the knowledge and capabilities to perform all of the tasks required for this WVANG project.

E.L. Robinson Engineering's team of surveyors, managed by James Rayburn, P.S., provides WVANG with the latest technology and experience in surveying and mapping. By using GIS based mapping and high-tech instrumentation, the E.L. Robinson Engineering Co. survey team can evaluate any type of surface including lakes and river bottoms. Other services pertaining to surveying our company specializes in are aerial photogrammetry consulting, hydrographic surveying, land surveying and GPS surveying.

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



Brian Morton, P.E. Project Manager

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:

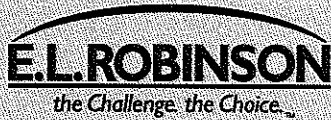
Water and Sewer Relocation for the Route 35 / I-64 interchange; Waterline Relocation for the Big Tyler Center Turn Lane Project; Water and Sewer Relocation for Route 34 Roadway Widening Project; Sanitary Sewer Relocation for the I-79 Meadowbrook Bridge; Various Gas Line Relocations for Consumers Gas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



Jeff Nelsen, PLA Project Manager

Education

Bachelor of Science in Landscape Architecture
West Virginia University, 1976

Registrations

Registered Landscape Architect in West Virginia, Indiana, Ohio, Maryland, Virginia

Professional Experience

Mr. Nelsen has practiced landscape architecture for over 30 years principally in West Virginia but also has completed projects in Ohio, Indiana and Pennsylvania. His professional experience has afforded him opportunities to assist clients with park and recreation planning and design, community and urban planning, streetscape design, campus planning for elementary, secondary and higher education facilities and site planning and design for residential, commercial and public places. He has been involved in environmental planning and restoration especially lands degraded from past mining practices. He has managed site development on significant projects such as the Stonewall Jackson Resort and the Tamarack Art Center yet enjoys working with clients and communities assisting them visualize the improvements for their parcels and neighborhoods.

Representative Projects

Clay Center for the Arts and Sciences, Charleston, WV: Prepared construction and bidding documents and provided construction administration for a new public plaza space at the corner of Leon Sullivan Way and Washington Street for Charleston's premier performing arts and science center. The site's design called creating a cool green zone for people to gather informally and as an entertainment venue for special events. The relative flat site consisted of a circular plaza and fountain surrounded by a concentric ring of granite seat walls at the edge of the pavement radiating outward into the lawn area. Large 4" and 6" caliper Linden and Honeylocust trees were planted to create a shaded canopy for the space in front of the center.

Washington Street Streetscape, Charleston's East End, WV: Prepared master plan, construction and bidding documents and provided construction administration services for the remaining segment of the Washington Street streetscape from the state Capitol grounds to Charleston Area Medical Center which entailed a ½ mile of sidewalk replacement, new street lighting, brick accent pavements, street trees, landscaping, utility line relocation and burial and new underground electrical service for 30 structures. Total budget for the project was approximately two million dollars.

Rich Mountain, Laurel Hill and Corrick's Ford Civil War Battlefields, Randolph, Barbour and Tucker Counties, WV: These are three distinct battlefields but are all related to each other because they are a progression of the first major conflict in northwestern Virginia in July, 1861 between approximately 9000 Union soldiers led by General George McClellan and 5000 Confederate troops led by General Robert Garnett. The armies engaged each other at these three locations over a week's time resulting in the defeat of the Confederate forces. This early Union victory allowed Union sympathizers in the western counties of Virginia to organize a secessionist movement to form the new state of West Virginia. Services included providing master planning, interpretation recommendations, signage and trail development for

Nelsen Continued

each of these sites with archeological and historical consultants on the team. The planning and design efforts of these new public lands were focused on preservation and interpretation of each site's story about West Virginia's role in the Civil War.

Tamarack Art Center, Beckley, WV: Working with the architect for the project prepared the site master plan and managed design for all exterior improvements including access road, bus and car parking, earthwork, storm water management, utility design, pedestrian walkways and plaza spaces, fountain design, landscaping, and irrigation design. This \$20 million facility is widely recognized in West Virginia and surrounding states as one of the finest venues for West Virginia artisans.

Stonewall Jackson Resort, Roanoke, WV: In the most recent major expansion of a West Virginia State Park, assisted the developer in an unique public private partnership to build new facilities at the park which included master planning for a lodge, golf course, expanded campgrounds, cabins, expanded day use facilities, trails and other site features. Prepared documents for regulatory review by the USACOE, WVDEP, and WVDNR. Managed the development of site preparation construction documents for the lodge, golf clubhouse, cabin area, and future campground areas. Assisted the golf course design team with storm water management and permitting issues. After the completion of new facilities have continued to assist the developer on future proposed amenities for the resort.

BOPARC Master Plan Update, Morgantown, WV: Due to the significant growth in Morgantown, assisted the Morgantown Board of Park and Recreation Commission with an update of the existing and proposed park facilities maintained by the City of Morgantown. This involved site review of approximately 20 facilities, development of a needs analysis survey and interpretation of its findings, preparation of new master plans for each park, preparation of cost opinions and phased recommendations for the planned \$12 million of improvements.

Aspen Village, Timberline Resort, Canaan Valley, WV: Provided master planning and managed site design, permitting and engineering for a new 50 lot subdivision near Timberline. The development involved grading layout for lots, roads, drives, utilities, pond enlargement, and site amenities. Project entailed 30 duplex and triples units and 20 single family lots. Coordinated utility extensions with each respective company and assisted several of the property owners with site planning of their home sites.

West Side Community Renewal Plan, Charleston, WV: Working with the Charleston Urban Renewal Authority, Charleston Planning Department and community leaders on the West Side developed the largest urban renewal plan within the city encompassing 228 acres and almost 900 buildings. With assistance of a public facilitation consultant held a series of meetings with residents and business owners to gain input into their vision for the plan. The adopted recommendations identified significant public and private recommendations with the strongest focus on a new home ownership zone around the new elementary school planned on Florida Street.



Joseph T. Carney, P.E., P.S. Project Engineer

Education

M.S. Civil Engineering, University of Missouri at Rolla, 1974
B.S. Aerospace Engineering, West Virginia University, 1969

Registrations

Registered Professional Engineer in West Virginia, Kentucky and Missouri
Registered Professional Surveyor in West Virginia

Professional Experience

Mr. Carney has extensive experience in design engineering, preparation of contract documents, construction supervision and contract administration.

His wide experience in civil engineering projects includes water, wastewater, storm sewers, roads, earthwork, utility relocation and site development.

He has worked in private industry and for several Consulting Engineering firms prior to joining ELR in 1982.

Mr. Carney has designed and supervised the construction of numerous projects, including a \$4 million sanitary sewer system, 5 bridges, over \$5 million of utility relocations for highway projects, and many \$1 million waterline and sewer projects.

Professional Memberships

American Society of Civil Engineers
National Society of Professional Engineers
American Water Works Association
Water Environment Federation

Offices Held

State Director of West Virginia Society of Professional Engineers
Past President of Charleston Chapter of WV Society of Professional Engineers

Honors Awarded

1998 Engineer of the Year, West Virginia Society of Professional Engineers



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



Scott LeRose, P.E. Project Engineer

Education

B.S. Civil Engineering, West Virginia University Institute of Technology, 1997

Registrations

Registered Professional Engineer in West Virginia and Ohio

Professional Memberships

American Society of Civil Engineers

Professional Experience

While pursuing his degree, Mr. LeRose concentrated on Highway Design and Environmental courses.

Prior to joining E.L. Robinson Engineering Co., Mr. LeRose worked for Potesta & Associates, where he gained experience in landfill design, abandoned mine land reclamation, surveying and earthwork calculations. He also worked several co-op terms for the West Virginia Department of Highways. During these co-op terms, he performed bridge construction inspections including the preparation of daily field reports, supervised core drilling operations, participated in groundwater sampling/monitoring projects, aided in the process of underground storage tank removal and replacement and was involved in various highway design projects.

Since joining E.L. Robinson Engineering Co., Mr. LeRose has worked with the Highway Design Group. He has worked on several DOH projects, which include – US 52 Kermit Bypass, Corridor H - Section 12 - Davis to Bismarck, Corridor H – Section 7 – Foreman to Moorefield, Meadowbrook Road, I-79 Bridgeport to Meadowbrook, Lower Gassaway Bridge Replacement, Meadowbrook Bridge, and US Route 35. While working on these projects, he has gained experience in horizontal and vertical geometry, major drainage design, site-grading design, utility relocation, MOT, signing, and pavement striping. He has performed quantity calculations for pavement, drainage, seeding, pollution control quantities, and other items associated with roadway plans. He has also participated in the development of ROW plans, including deed plots and legal descriptions.

Mr. LeRose has also worked on smaller site development and subdivision layout projects. Included in these are Saturn of Charleston/Huntington, Hurricane Chevrolet Dealership, Charleston Area Medical Center General Division parking area, Sherwood Forest Subdivision and Centre Court Subdivision.

Mr. LeRose has also been heavily involved in the preparation of gas line relocation plans for several sites owned by Consumers Gas as well as the creation of a land use master plan for Mingo County Redevelopment Authority.

LeRose Continued

Representative Projects

US Route 35, Couch to Little Five Mile, Mason County: Project Manager and Designer for the roadway and right-of-way plans for 2.8 miles of four-lane divided highway, 0.5 miles of access road design, one at-grade intersection, and two sets of twin structures. This project includes approximately 2.2 million cubic yards of excavation, with an estimated total construction cost of \$35 million.

Corridor H, Forman to Moorefield, Hardy County: Project Manager and Design Engineer for the roadway and right-of-way plans for nearly 5 miles of a new four lane divided highway and nearly three miles of access road design and a truck escape ramp. The roadway plans included signing and delineator layout, maintenance of traffic and pavement marking plans. This project has an estimated total construction cost of \$77 million.

I-79 Bridgeport to Meadowbrook, Harrison County, West Virginia: Design Engineer for the roadway construction plans for the widening of 2.1 miles of Interstate 79 from four to eight-lanes including three bridges and tie-ins to two interchanges. The roadway plans included signing plans, maintenance of traffic plans and pavement marking plans. This project has an estimated total construction cost of \$30 million.



John Kelly Staff Engineer/Designer

Education

B.S. Civil Engineering
West Virginia University, 1998

Designing Skills

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

Professional Experience

Mr. Kelly has more than 12 years of experience as a CADD designer. He has experience specifically in the design of several industrial parks in various areas of West Virginia.

Specific Accomplishments

- Mingo Wood Products
- Belo Industrial Park
- Upshur Industrial Park
- Putnam Industrial Park



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)
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.

Rayburn Continued

- **Blennerhassett Bridge, Corridor D (WVDOT), Wood County, WV:** Lead Surveyor for Design Surveys for this landmark Bridge Project which is now under construction at an estimated cost of \$120 million dollars.
- **James Ramsey Bridge (WVDOT) Potomac River, Shepardstown, WV:** Lead Surveyor for Design Surveys for this Bridge Project which is now completed at an estimated cost \$15.5 million dollars. This project involved working in an environmentally historic area, which adjoined a National Park.
- **US Route 35 (WVDOT) Mason County, WV:** Lead Surveyor for Design Surveys for two Design Sections each approximately 2.5 miles in length from Lower Five Mile Road to Upper Nine Mile Road. Also provided control surveying for the entire US 35 design project length of approximately 22 miles.
- **I64/US 35 (WVDOT) I64 to US 34 Crooked Creek, Putnam County, WV:** Lead Surveyor for Design Surveys, Right of Way Staking, etc. for approximately four miles of US 35 including Interstate 64 Ramps and Flyovers in Putnam County, WV. This included the I64 Bridges and Flyovers, which is now under construction.
- **ATB-Parrish Road (ODOT) Ashtabula County, Ohio:** Project Design Surveyor for rail grade separation project. Project involved roadway realignment, 900' new bridge, new waterline, storm and sanitary sewers. Project is currently under construction. Estimated construction cost: \$8.6 million.
- **PIC-23-3.21 and Various (ODOT) Pickaway County, Ohio:** Project Design Surveyor for ODOT Project PIC-23-3.21 and Various. Project involves deck replacements along 11 miles of US 23 in Pickaway County. Project includes large diameter culvert liner, interchange upgrade that includes mainline profile correction, ramp reconstruction, and addition of barrier wall and storm drainage. Project is currently under design (90%). Project scheduled for construction in 2007. Estimated construction cost: \$12 million.
- **ATB-90-22.06 (ODOT) Ashtabula County, Ohio:** Project Design Surveyor for Interstate Reconstruction Project. Project includes total pavement replacement, bridge widening, and contra – crossover maintenance of traffic, culvert replacements and storm sewer rehabilitation and sign replacements. Project is currently under design (50%) and scheduled for construction in 2011. Estimated construction cost: \$36 million.

Construction Surveys

- **Corridor D (WVDOT) Wood County, WV:** Lead Surveyor for Highway/Bridge Construction Monitoring surveys for the following segments of Corridor D and related relocation projects:
 - Godbey Athletic Field Relocation Construction
 - Godbey Colt Field and Soccer Field Construction
 - West WV 47-East WV 47 Highway/Bridge Construction
 - East Buckeye-West Little Kanawha River Highway/Bridge Construction
- **Interstate I-79 Widening and Median Barrier (WVDOT) Harrison County, WV:** Lead Surveyor for construction layout surveys for the widening of I-79 from the Meadowbrook Exit, north to the Jerry Dove Exit approximately three miles in length, as a subcontractor to the prime contractor.

Rayburn Continued

- **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.



Experience/Capabilities of the Construction Inspectors

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



Experience/Capabilities of the Construction Inspectors

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.

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 projects.



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, Uneededa/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 WVAWC on these projects. Big Tyler Relocation, Kanawha County RDA, Curtain to Cherry Falls, Danville, Uneededa-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

Regional Wastewater Extension Project *Logan County, West Virginia*

E. L. Robinson Engineering Company was contracted by Logan County Public Service District to provide planning, design and construction services for a Regional Wastewater Extension Project. The project will extend wastewater service to an estimated 3,700 customers in the Snap Branch, Crooked Creek, Coal Branch, Mount Gay Hill, Dempsey Branch, Island Creek, Copperas Fork, Holden, Mud Fork, Whitman Creek and surrounding areas of Logan County.

The project consists of the construction of approximately 421,750 linear feet (80 miles) of 14-inch and smaller diameter gravity sewer mains, 10,450 feet of 12-inch and smaller diameter force main, three (3) major pumping stations, 91 grinder pumping stations, 2,641 manholes, cleanouts, customer services and other related appurtenances. The project also includes an upgrade and expansion of the District's existing SBR Wastewater Treatment Plant from 1.0 MGD to 2.0 MGD.



Client
Logan County PSD

Completion Date
December 2013

Project Cost
\$154 Million

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

Blackwater Falls State Park Sewage Treatment Plant Replacement *Tucker County, West Virginia*

The existing metal sewage treatment plant serving the lodge at Blackwater Falls State park is old and deteriorated. E.L. Robinson designed a new concrete sewage treatment plant which eliminates the potential of rust. The new plant also uses ultraviolet disinfection and provides a sand filter prior to discharge into the Blackwater Canyon.

The new plant was constructed adjacent to the existing plant. E.L. Robinson's design kept the existing plant in service during construction. A new building was also designed to match the building housing the existing plant.

Client

West Virginia Division
of Natural Resources,
Parks & Recreation

Completion Date

October 2008

Project Cost

\$600,000

E.L. Robinson's Role

Design and periodic
construction inspection



Mingo County Wood Products Industrial Park *Mingo County, West Virginia*

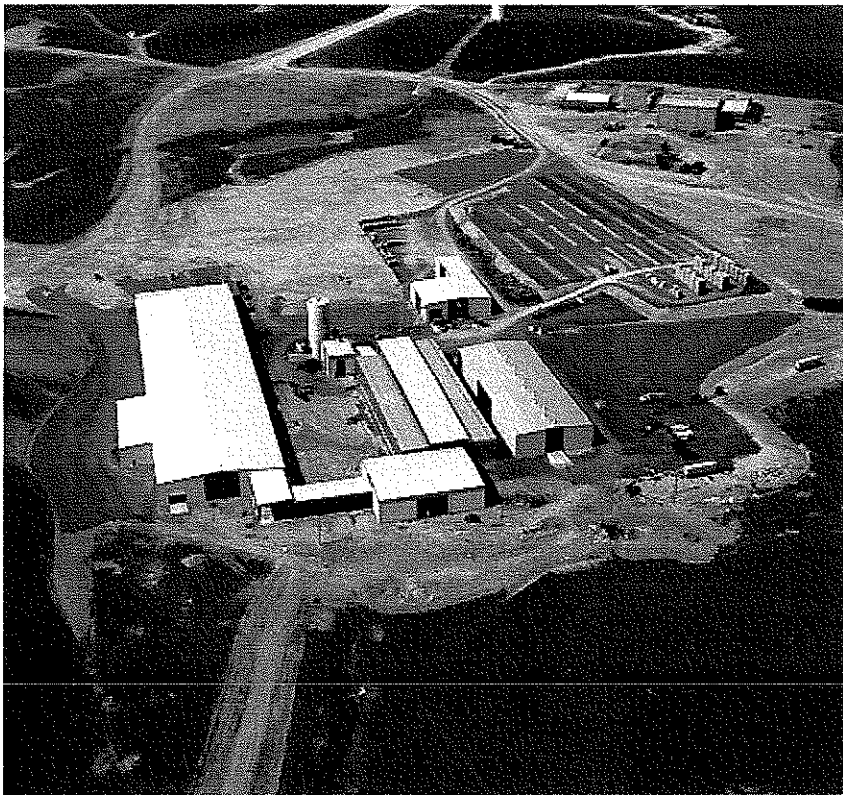
E.L. Robinson was contracted by the Mingo County Redevelopment Authority to provide site design including storm water drainage, expansion of existing wastewater treatment plant, preparation of construction plans and specifications, surveying and mapping, preparation of all necessary permit applications, preparation of bid/contract documents, participation in the solicitation and evaluation of bids, construction administration and inspection for the Mingo County Wood Products Industrial Park located in Mingo County, West Virginia.

Client
Mingo County
Redevelopment
Authority

Completion Date
2012

Project Cost
\$420,000

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



City of Williamson Wastewater System Improvements *Mingo County, West Virginia*

E.L. Robinson Engineering Co. was selected by the City of Williamson to plan, design, permit and construction manage a series of collection and treatment system improvements. The project consists of a lift station and force main to bypass a large section of interceptor sewer that was removed by a landslide along the Tug Fork; other projects include replacing sections of existing sanitary sewer that have been identified as sources of infiltration and inflow; collection system maintenance equipment needed to identify and correct infiltration and inflow problems; a lime feeder system to stabilize sludge for land application; and a variable frequency controlled positive displacement blower system to optimize power usage at the treatment plant.

The project will require sewage lift station, 2,000 feet of force main, emergency generator, gravity sewer, trailer mounted sewer cleaner, video inspection equipment, lime feeder system and positive displacement blower system. The project is being funded by a USDA Rural Utilities loan of \$1 million.

The city currently serves approximately 1500 residential, commercial,



Client
City of Williamson

Completion Date
September 2009

Project Cost
\$1 million

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



Projects

Meadowbrook Road - US 19 Upgrade *Harrison County, West Virginia*

E.L. Robinson Engineering Co. was contracted by the West Virginia Department of Transportation, Division of Highways to design a 1.5 mile stretch of four lane highway, also known as Meadowbrook Road in Harrison County, West Virginia.

Our Roadway group utilized their expertise to conduct alignment studies, surveying, right-of-way, and drainage, maintenance of traffic, access roads, signing, pavement markings and utility relocations. Also involved in the project was E.L. Robinson Engineering Co. team of geotechnical engineers which provided geotechnical investigations and studies. This project includes over 1.7 million cubic yards of excavation, some of which is over a previously mined underground coal mine.

Client

West Virginia
Department of
Transportation

Completion Date

To bid when funding is
finalized

Project Cost

\$18.7 Million

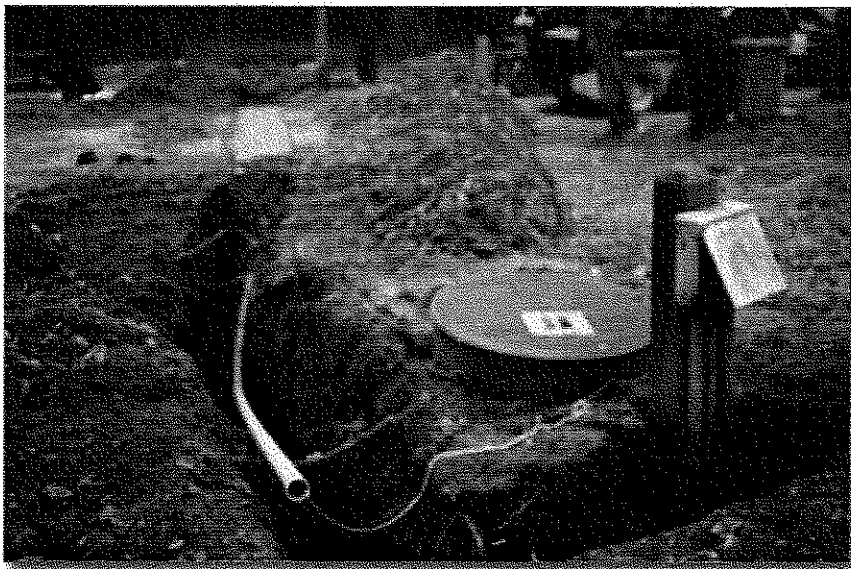
E.L. Robinson's Role

Highway design,
structural design,
geotechnical
engineering, surveying,
right-of-way,
maintenance of traffic,
signing, pavement
markings, utility
relocations

Holly River State Park Wastewater Treatment Plan *Webster County, West Virginia*

E.L. Robinson was retained by the West Virginia Division of Natural Resources, Parks and Recreation to provide planning, design and construction administration services for a new waste water treatment plant for Holly River State Park in Webster County, West Virginia.

The goal of ELR's environmental engineers was to produce a design that would enable our client to provide a safe, dependable and economical treatment of sanitary sewage for the park, while preserving and protecting the scenic and recreational elements at the same time. Working closely with our client and the owner, WV Department of Natural Resources, Parks and Recreation, a practical solution that yields long-term benefits was produced, insuring a positive and successful project.



Client

WV Department of
Natural Resources,
Parks and Recreation

Completion Date

1999

Project Cost

\$66,000

E.L. Robinson's Role

Design and construction
inspection

Earl Ray Tomblin Industrial Park *Logan County, West Virginia*

E.L. Robinson Engineering Co. was contracted by the Logan County Development Authority to provide project planning and site design including storm water drainage; preparation of bid/contract documents; participation in the solicitation and evaluation of bids received; construction administration and inspection; assistance with easement/property acquisition; surveying and mapping; preparation of all necessary permit applications for the Earl Ray Tomblin Industrial Park located in Logan County, West Virginia. The development includes 52 acres of land and is located near the Southwest Regional Jail and US 119 Corridor G.

Client

Logan County
Development Authority

Completion Date

2003

Project Cost

\$1.2 million

E.L. Robinson's Role

Design



Meadowbrook Sanitary Sewer Extension *Kanawha County, West Virginia*

E.L. Robinson Engineering Co. was contracted by the Elk Pinch (now Elk Valley) Public Service District. Our sanitary engineers were requested to design a sanitary sewer system that would extend from Capital High School towards Big Chimney, WV along Route 114 in Kanawha County. The project included 10,420 L.F. of 8" gravity sewer, an 85gpm pump station, and 3,800 L.F. of 4" force main.



Client
Elk Valley Public
Service District

Completion Date
1993

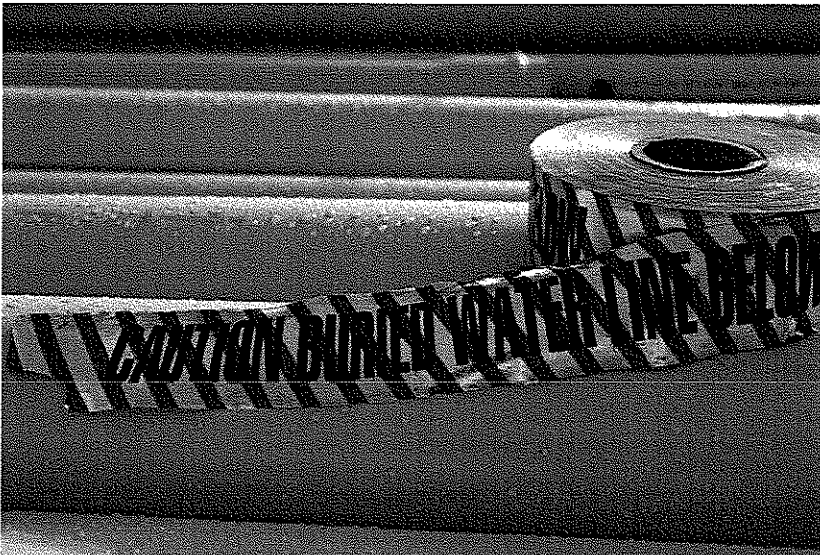
Project Cost
Construction by
PSD Personnel

E.L. Robinson's Role
Design

Mingo Central High School Water and Wastewater Utility Extensions *Mingo County, West Virginia*

E.L. Robinson Engineering Co. was selected by the Mingo County Redevelopment Authority (MCRA) to plan, design, permit and construction manage a project to extend water and wastewater utilities from the Red Jacket Public Service District (RJPSD) to the proposed Mingo Central High School (MCHS). The Town of Matewan currently has an operating agreement with the RJPSD, which is in receivership. The project consists of purchasing RJPSD, replacing the RJPSD vacuum sewer system with gravity sewer and extending water and sewer service along a utility corridor of King Coal Highway (KCH). The MCRA plans to eventually give the water and sewer systems to the Town of Matewan. The MCHS and KCH are both scheduled to be completed by early 2010.

The purchase of RJPSD will cost \$700,000 to pay off existing debt. Replacing the vacuum sewer system will require 19,000 feet of gravity sewer, a sewage lift station and 2,000 feet of force main. The school utilities will consist of 22,000 feet of 12" water main, water booster stations(s), water storage tank(s); 22,500 feet of gravity sewer, sewage lift stations(s), and 4,000 feet of force main. The project is being funded by a USDA Rural Utilities loans and grants; WV Infrastructure and Jobs Development loans and grants; ARC and SAP grants.



Client
Mingo County
Redevelopment
Authority

Completion Date
April 2011

Project Cost
\$1.95 million

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



Projects

Upshur County Industrial Park *Upshur County, West Virginia*

E.L. Robinson was contracted by the Upshur County Development Authority to provide engineering services for the development of an approximately 20 Acre Industrial Park near Buckhannon, WV. This project included an approximately 2000 LF access roadway that would be conveyed to WVDOH upon completion. The project also included approximately 300,000 CY of excavation, temporary and permanent storm water control structures, approximately 5100 LF of 8" waterline, 2000 LF of 8" gravity sanitary sewer, 2700 LF of 4" force main sanitary sewer, and a sanitary sewer lift station and sewer access road.

Services provided included the preparation of the preliminary layouts and conceptual designs, environmental permitting applications, final design and route selection, preparation of plans and details for construction, preparation of bidding and contract documents and the advertisement of bids, pre bid conference, conducted bid opening and bid evaluation, assisted in the contract award, conducted pre construction conference, provided full time construction inspection, and processed pay estimates and shop drawing submittals.

Client
Upshur County

Completion Date
April 2011

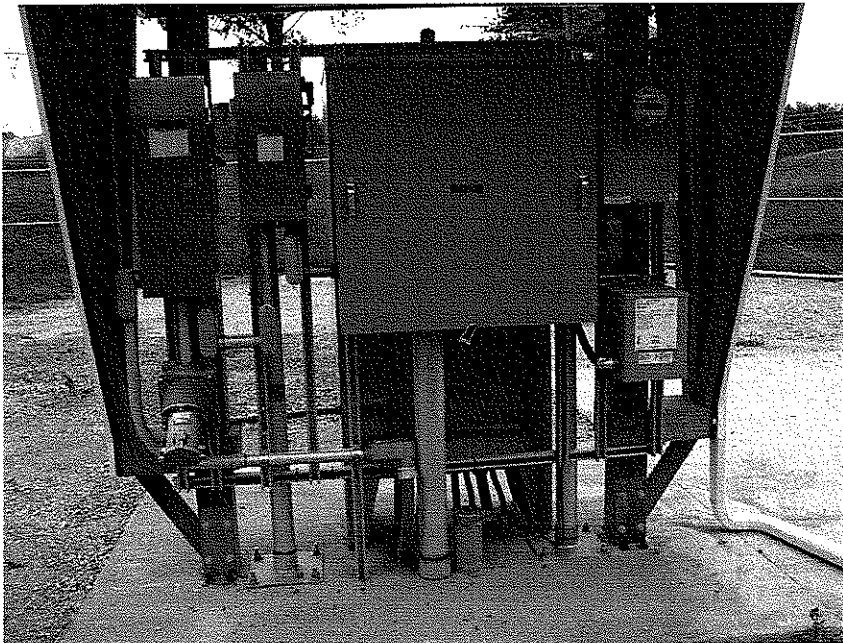
Project Cost
\$3 million

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

Putnam PSD Sanitary Sewer Project *Putnam County, West Virginia*

E.L. Robinson is assisting Putnam PSD with major improvements to its sanitary sewer system to accommodate the continued growth in Putnam County. The 2008 projects include:

- Construction of 2400 L.F. of new 24" Interceptor Sewer, a new 1500 gpm pump station and 4000 L.F. of new 16" force main
- Extension of sewer service to 27 new customers in Teays Hollow
- Replacement of 2700 L.F. of 14" force main with new 16" force main
- Upgrade the control panels at six pump stations



Client
Putnam Public
Service District

Completion Date
2009

Project Cost
Construction
\$3.3 million,
\$4.5 million total

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

Saturn of Charleston - Huntington *Hurricane, West Virginia*

E.L. Robinson was retained by Sunbelt Construction to provide the design of 1,368 L.F. of 8" sanitary sewers for the Saturn Dealership at the I-64 Hurricane exit in Putnam County, West Virginia. Along with this sanitary design, E.L. Robinson Engineering Co. provided grading studies to determine the most suitable location for the dealership's building footprint, parking lot design, a drop-off area, signage and landscaping. Geotechnical recommendations and erosion and sediment control studies were also prepared. E.L. Robinson also provided property line surveying and construction layout and staking.



Client
Sunbelt Construction

Completion Date
1994

Project Cost
By Developer

E.L. Robinson's Role
Design, geotechnical
and surveying

Shady Spring Public Service District Sewage System Upgrading *Raleigh County, West Virginia*

The service area of the Shady Spring PSD, which included Glade Springs Resort, has experienced rapid growth in the past several years. To accommodate the increased flow from new customers, E.L. Robinson Engineering is designing upgrades to seven existing pump station. The upgrades include larger pumps, new force mains, wetwell transducers to replace floats and new standby generators. ELR is also designing a new standby generator to serve the sewage treatment plant.

Approximately 2800 L.F. of existing 21" gravity sanitary sewer has experienced excessive I/I in recent years. This sewer is located in and adjacent to Beaver Creek, which makes repair by conventional excavation difficult and expensive. ELR is designing a cured-in-place repair, which accesses the sewer through existing manholes without excavation. This will save the PSD money and avoid disturbing the creek.



Client
Shady Spring Public
Service District

Completion Date
Currently in design

Project Cost
\$2.1 million

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



Projects

CAMC 33rd Street Location *Kanawha County, West Virginia*

Charleston Area Medical Center's Memorial Division, Kanawha City, desired a new clinical teaching facility, expanded and improved existing medical facilities, improved parking, and a friendly eastern entry for the Memorial Hospital site. E.L. Robinson provided civil, structural, geotechnical engineering and landscape architectural services for BSA Architects, the lead consultant on the project.

The proposed Robert C. Byrd Clinical Teaching Center includes approximately 174,700 sf on five occupied levels. This new facility will better serve patients and the shared teaching mission of WVU and CAMC. The project will also include selected renovations of approximately 26,000 sf on two floors of the existing Ambulatory Care Building. The total project cost will be approximately \$56,300,000.

E.L. Robinson provided site civil design services for the 33rd Street renovations as required for the expanding and newly constructed hospital facilities. The site design contemplated the realignment of 33rd Street between Virginia Avenue and MacCorkle Avenue. The new street will align with South Park Road and become a viable eastern access to and from the Memorial Hospital as the intersection of MacCorkle Avenue is improved.

CAMC purchased the land and the Neighborhood Watch Group approved the development of the adjacent neighborhood. The project included cul-de-sacs at the west end of Noyes Avenue, which will restrict traffic through the neighborhoods and end the practice of hospital parking on those streets. Some of the amenities included in the design are period light fixtures, street benches and matching trash receptacles, sidewalks with ADA compliant accessible curb ramps, segmental retaining walls, parking areas, street trees, extensive landscaping, curb and gutter and utility pole relocation.

Client

BSA Architects for CAMC
General Division

Completion Date

January 2007

Project Cost

Roadway
\$1.3 million
Site
\$1.0 million

E.L. Robinson's Role

Roadway design, utility relocation design, site development design, construction inspection, surveying and mapping, construction layout

Town of Gilbert *Mingo County, West Virginia*

E.L. Robinson was contracted by the Town of Gilbert to provide a wastewater treatment plant evaluation and improvements plan.

The project was split into two phases. Phase I focused on the gathering of information and creation of the evaluation. Phase II focused on the application of the data that was collected to create recommendations for improvements which included: the design of pump station and force main, the design of main line extension, the design of wastewater plant improvements.

In total, E.L. Robinson provided project evaluation and recommendations, engineering surveying, construction inspection and geotechnical services for this project.

Client
Town of Gilbert

Completion Date
2005

Project Cost
\$660,000

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



Town of Wayne **Combined Sewer Separation** *Wayne County, West Virginia*

Portions of the existing sanitary sewer collection system in the Town of Wayne are Combined Sewers, which convey both sanitary sewage and storm water. During the periods of heavy rainfall, the storm water exceeds the capacity of the combined sewers and overflows into Twelvepole Creek.

ELR is conducting a Sanitary Sewer Evaluation Study to determine which sewers are combined. We will prepare plans to eliminate the combined sewers by constructing new, separate storm and sanitary sewers. Also, the existing sanitary sewers will be upgraded in several areas to replace lines that have been maintenance problems. Many of the older sewers do not have manholes and have deteriorated over the years. These lines will be replaced and upgraded to current standards.

Also, several pump stations will be renovated with new pump bases, guide



Client

Town of Wayne

Completion Date

Currently in design

Project Cost

\$3.7 million

E.L. Robinson's Role

Design, bidding,
construction inspection
and contract
administration

Belo Industrial Park *Mingo County, West Virginia*

E.L. Robinson was contracted by the Mingo County Redevelopment Authority to provide site design including storm water drainage, design of a wastewater treatment plant for the Industrial Park, preparation of construction plans and specifications, surveying and mapping, preparation of all necessary permit applications, preparation of bid/contract documents, participation in the solicitation and evaluation of bids, construction administration and inspection for the Mingo County Belo Industrial Park located in Mingo County, West Virginia.

Client
Mingo County
Redevelopment
Authority

Completion Date
2005

Project Cost
\$1.3 million

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

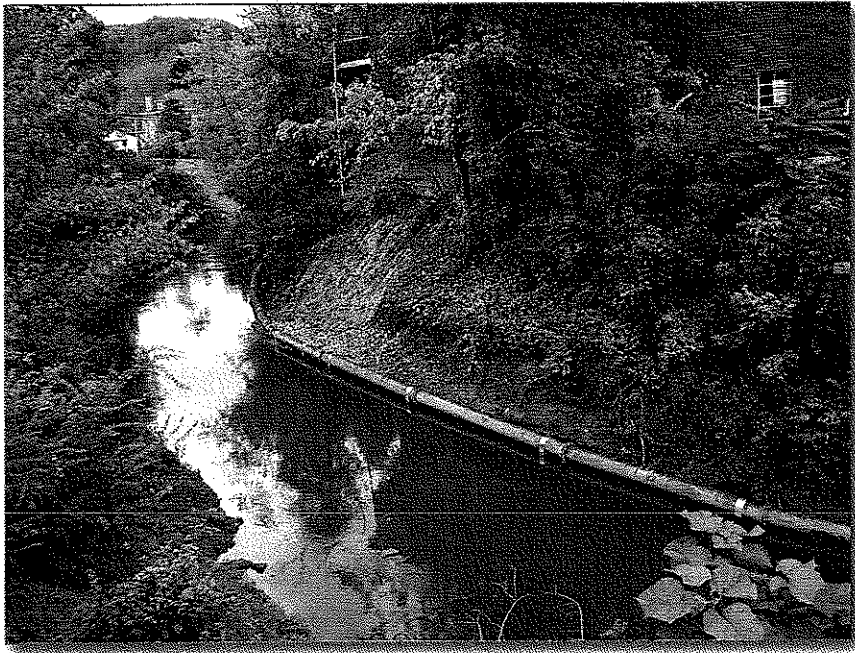


Weston Stonecoal Creek Sanitary Sewer Relocation *Lewis County, West Virginia*

An old existing 12" sanitary sewer along Stonecoal Creek required replacement to reduce inflow and infiltration. The existing sanitary sewer was buried in the steep riverbank with buildings close to the bank. Excavating the steep riverbank to construct the replacement sewer could cause slips and damage to the existing buildings.

E.L. Robinson designed the new 12" sewer to be supported on piers at the toe of the riverbank. Each steel pier was drilled to rock then filled with rebar reinforcement and concrete. The new ductile iron sewer pipe was attached to the pier using stainless steel straps and bolts. The sewer was deflected at each joint to follow the riverbank. The existing sewer was kept in service during construction of the new sewer.

E.L. Robinson provided design, bidding, contract administration and construction inspection. The construction cost of \$756,000 was financed through a WV Infrastructure and Jobs Development Council loan and grant.



Client
Weston Sanitary Board

Completion Date
2006

Project Cost
\$756,000

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

Corridor H - Foreman to Moorefield *Hardy County, West Virginia*

E.L. Robinson Engineering Company was contracted by the West Virginia Department of Transportation, Division of Highways to design a 5 mile stretch of four lane divided highway, known as Corridor H, in Hardy County, West Virginia. This project also included 3.5 miles of access roads, a truck escape ramp, three bridges, and a naturalized stream design.

Our Roadway group utilized their expertise to conduct alignment studies (saving the Division of Highways approximately \$20 Million), surveying, right-of-way, maintenance of traffic, drainage, access roads, signing, pavement markings and utility relocations. The Structures group designed dual structures approximately 185 feet long, another 85 foot long structure, as well as a box culvert. Also involved in the project was E.L. Robinson Engineering Company's team of geotechnical engineers which provided geotechnical investigations and studies, which helped design the 10 million cubic yards of excavation.

Client

West Virginia
Department of
Transportation

Completion Date

2009

Project Cost

\$80 million

E.L. Robinson's Role

Highway design,
structural design,
naturalized stream
design, surveying,
maintenance of traffic,
signing, pavement
markings, utility
relocation

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