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Header @ 1

List View

General Information | Contact | Default Values | Discount | Document Information | Clarification Request

Procurement Folder: 1916937

Procurement Type: Central Purchase Order

Vendor ID: 000000209931

Legal Name: NEW RIVER ENGINEERS INC

Alias/DBA:

Total Bid: \$0.00

Response Date: 03/16/2026

Response Time: 8:14

Responded By User ID: tiffcottle

First Name: Tiffany

Last Name: Cottle

Email: tlc@nreivv.com

Phone: 13043427168

SO Doc Code: CEOI

SO Dept: 0603

SO Doc ID: ADJ2600000005

Published Date: 3/2/26

Close Date: 3/17/26

Close Time: 13:30

Status: Closed

Solicitation Description: Fire Department Facility Design- Camp Dawson Training Center

Total of Header Attachments: 1

Total of All Attachments: 1



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

**State of West Virginia
 Solicitation Response**

Proc Folder: 1916937
Solicitation Description: Fire Department Facility Design- Camp Dawson Training Center
Proc Type: Central Purchase Order

Solicitation Closes	Solicitation Response	Version
2026-03-17 13:30	SR 0603 ESR03162600000005964	1

VENDOR
 000000209931
 NEW RIVER ENGINEERS INC

Solicitation Number: CEOI 0603 ADJ2600000005
Total Bid: 0
Response Date: 2026-03-16
Response Time: 08:14:20
Comments:

FOR INFORMATION CONTACT THE BUYER

David H Pauline
 304-558-0067
 david.h.pauline@wv.gov

Vendor Signature X **FEIN#** **DATE**

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

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
1	Fire Department Facility Design-Camp Dawson Training Center				0.00

Comm Code	Manufacturer	Specification	Model #
81101508			

Commodity Line Comments:

Extended Description:

Provide professional architectural and engineering design services per the attached documentation.



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

State of West Virginia
 Centralized Expression of Interest
 Architect/Engr

Proc Folder: 1916937			Reason for Modification:
Doc Description: Fire Department Facility Design- Camp Dawson Training Center			
Proc Type: Central Purchase Order			
Date Issued	Solicitation Closes	Solicitation No	Version
2026-03-02	2026-03-17 13:30	CEOI 0603 ADJ2600000005	1

BID RECEIVING LOCATION

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

VENDOR

Vendor Customer Code:
Vendor Name : New River Engineers, Inc.
Address : 501 Eagle Mountain Road
Street :
City : Charleston
State : WV **Country :** **Zip :** 25311
Principal Contact : Joshua D. Cook, P.E., PMP/President
Vendor Contact Phone: 304-342-7168 **Extension:**

FOR INFORMATION CONTACT THE BUYER

David H Pauline
 304-558-0067
 david.h.pauline@wv.gov

Vendor Signature X  **FEIN#** 55-07645054 **DATE** 03/17/2026

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

DESIGNATED CONTACT: Vendor appoints the individual identified in this Section as the Contract Administrator and the initial point of contact for matters relating to this Contract.

(Printed Name and Title) _____

(Address) _____

(Phone Number) / (Fax Number) _____

(email address) _____

CERTIFICATION AND SIGNATURE: By signing below, or submitting documentation through wvOASIS, I certify that: I have reviewed this Solicitation/Contract in its entirety; that I understand the requirements, terms and conditions, and other information contained herein; that this bid, offer or proposal constitutes an offer to the State that cannot be unilaterally withdrawn; that the product or service proposed meets the mandatory requirements contained in the Solicitation/Contract for that product or service, unless otherwise stated herein; that the Vendor accepts the terms and conditions contained in the Solicitation, unless otherwise stated herein; that I am submitting this bid, offer or proposal for review and consideration; that this bid or offer was made without prior understanding, agreement, or connection with any entity submitting a bid or offer for the same material, supplies, equipment or services; that this bid or offer is in all respects fair and without collusion or fraud; that this Contract is accepted or entered into without any prior understanding, agreement, or connection to any other entity that could be considered a violation of law; that I am authorized by the Vendor to execute and submit this bid, offer, or proposal, or any documents related thereto on Vendor's behalf; that I am authorized to bind the vendor in a contractual relationship; and that to the best of my knowledge, the vendor has properly registered with any State agency that may require registration.

By signing below, I further certify that I understand this Contract is subject to the provisions of West Virginia Code § 5A-3-62, which automatically voids certain contract clauses that violate State law; and that pursuant to W. Va. Code 5A-3-63, the entity entering into this contract is prohibited from engaging in a boycott against Israel.

(Company)

(Signature of Authorized Representative)

(Printed Name and Title of Authorized Representative) (Date)

(Phone Number) (Fax Number)

(Email Address)

EOI Fire Department Facility Design Camp Dawson Training Center

Centralized Expression of Interest
For Architect/Engineer

for

West Virginia Army National Guard
Construction and Facilities Management Office

March 17, 2026



Presented by:
NEW RIVER ENGINEERS, INC.

501 Eagle Mountain Road
Charleston, WV 25311
304.342.7168

New River Engineers, Inc.



March 17, 2026

Camp Dawson Army Training Site
240 Army Road
Kingwood, WV 26537

Re: Fire Department Facility Design – Camp Dawson Training Center
Centralized Expression of Interest– Architectural/Engineering Services

Dear Distinguished Members:

New River Engineers, Inc. (NREI) is pleased to submit our expression of interest to provide architectural and engineering services to the West Virginia Army National Guard for the professional design services to develop construction documents to provide for the construction of a new Fire Department Facility on the Camp Dawson garrison, at Camp Dawson.

NREI is a highly qualified and experienced engineering, architectural and environmental firm providing services for municipal, federal, state, industrial and commercial clients throughout the states of West Virginia, Ohio, Virginia, and Kentucky.

For over 28 years, NREI has completed projects on time, under budget and without any successful litigation against us or our client, a record no other firm can match.

We would appreciate an opportunity to present our detailed qualifications at a mutually convenient date and time.

Please call if you have any questions or need further information.

Very Truly Yours,
NEW RIVER ENGINEERS, INC.



Joshua D. Cook, P.E., PMP
President
jdc@nrenginc.com

Enclosure

**EOI FIRE DEPARTMENT FACILITY DESIGN
CAMP DAWSON TRAINING CENTER
WEST VIRGINIA ARMY NATIONAL GUARD**

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EXPRESSION OF INTEREST

New River Engineers Inc. (NREI) is pleased to express our interest in providing engineering, architectural, environmental and surveying services to the West Virginia Army National Guard (WVARNG). Our team is an engineering, architectural, environmental services, and surveying firm and is noted for design excellence and client focus. Our team's integrated design approach, our commitment to design quality, as well as our architectural and construction experience will help to ensure the quality of services that we will provide to the WVARNG. Below, please find additional qualifications that make our team uniquely qualified to assist you with your potential needs.

We have a history of providing high quality design and engineering management services throughout West Virginia, Ohio, Virginia, and Kentucky. This quality has been recognized by the quantity of our repeat clients. We will use our engineering abilities and extensive design experience to aid the WVARNG as any need would arise.

As President of our firm, **Joshua D. Cook, P.E., PMP** will lead projects for the WVARNG. He can be reached at **681.668.1809** or **jdc@nrenginc.com**. Josh has a Master of Science in Engineering from Marshall University and a Bachelor of Science in Civil Engineering from WVU Institute of Technology. Josh has served as a Projects Engineer, Project Manager and Engineering Manager for municipal engineering consulting, and the coal and natural gas industry. Josh will be assisted by Jessie O. Parker, P.E., Eric T. Hartwell, P.E., Michael E. Noel, NCARB, D. Matt Shelton, Randy B. Crace, P.S. and the rest of our staff.

We have the training, experience, and multi-discipline support to meet the needs of our clients. Due to our small size, our engineers become well rounded and deeply involved with each project. Our engineers are able to put their heads together to create an excellent working knowledge of projects, creating high quality, personalized, and professional services.



FIRM OVERVIEW

New River Engineers, Inc. (NREI) is an engineering, architectural, surveying and consulting firm that has been providing quality service to our clients and the industries for over 28 years. Mutual respect and trust are the cornerstones in the relationships established and maintained with our clients. NREI strives to perform all work in a professional and cost-effective manner, while providing our clients with quality and excellence.

The firm is managed by Joshua D. Cook, P.E., PMP, President and Eric T. Hartwell, P.E., Vice President. NREI has successfully provided an integrated approach to publicly funded projects for our clients. NREI provides professional services to owners and operators, and contractors throughout West Virginia, Ohio, Virginia, Kentucky and many others. NREI services range through all facets of civil engineering design as well as construction administration and project management.

Our staff combines advanced technology with many decades of surveying, mining, engineering and architectural experience and includes five professional engineers, one architect, two professional surveyors, eight degreed engineers, AutoCAD/engineer technicians and ten full-time survey crews.

As a full-service engineering and surveying firm, NREI can provide a whole host of services to our clients including, but not limited to the following:

- Construction Design, Management and Surveying
- Geotechnical Engineering & Drilling Management
- Architectural and Interior Design
- Environmental Permitting (DEP, NPDES, OAQ and USACOE)
- Underground / Surface Mine Engineering
- Civil Site Design / Engineering / Planning
- Drainage Design / Engineering / HECRAS
- Compaction Testing with Nuclear Density Gauge
- Subsurface Utility Locate Surveys with GPR & Pipe and Cable Locators
- Oil & Gas Surveying
- Boundary & Property/Topographical Surveying
- Aerial Mapping, GPS RTK & Static Surveying
- Reserve Studies

NREI has developed the following philosophy to guide the performance of its services:

- Provide superlative design services to our clients in new construction, improvements, and daily operations.
- Perform work in a timely, accurate and professional manner.
- Present multiple alternatives and solutions whenever possible.
- Work with our clients to control project costs.
- Be a technical sounding board for our clients in all situations.
- Strive to maintain professional competence through continuing education and training.
- NREI utilizes a practical application approach to all projects throughout the design process to provide a well-rounded result. This methodology emphasizes the best overall solution, meeting all the client's needs, instead of just the best technical solution. We believe our small size provides a distinct advantage to our clients and affords us the freedom to easily team with the clients to achieve the overall best possible result.



PLAN OF APPROACH

NREI believes in a team approach for the development of projects. Therefore, our first task will be to meet with the West Virginia Army National Guard (WVARNG) to review existing data, reports, etc., and to ascertain the need of the specific project. Following data gathering, we will then evaluate alternatives and develop a cost-effective proposal that meets existing and future needs of a specific project. Throughout the process, WVARNG officials will be kept informed and involved in all important matters.

NREI will assist the WVARNG in preparation and submission of any funding application needs. Once the funding has been secured, we will then begin to develop detailed engineering drawings and specifications for the project. As information is gathered, it will be reviewed with WVARNG officials to allow comment and coordination as the project progresses. The project engineer will be involved during all phases of developing a project, obtaining funding, design, and construction to assure coordination with WVARNG personnel, and regulatory and funding agencies.

PRELIMINARY ENGINEERING REPORT

Our next task will be the preparation of a Preliminary Engineering Report. Specifically, the report will be organized in accordance with regulatory and funding agency requirements as follows:

1. Introduction and Overview
2. Planning Area and Future Needs
3. Evaluation of the Existing System
4. Proposed Improvements/Upgrades
5. Alternate Solutions
6. Cost Estimates – Capital and O & M
7. Environmental Issues
8. Public Participation
9. Final Plan Selection
10. Implementation

Prior to publication of the final report, all information will be shared and reviewed with WVARNG officials to ensure that concerns are addressed.

DESIGN PHASE

NREI will prepare contract documents including plans and specifications conforming to funding agencies requirements. Our design phase will be carried out as follows:

1. Define Existing Conditions
 - a. Assemble and evaluate data to eliminate conflicts and redundancy.
 - b. All major decisions regarding data will be discussed with WVARNG officials. Important data sources include, but are not limited to the following:
 - i. WVARNG Officials
 - ii. WV Department of Environmental Protection
 - iii. USDA Rural Development
 - iv. Soil Conservation Service
 - v. Local Citizens and Groups
2. Identify Project Work
 - a. Evaluate existing data, reports, and design drawings, if available
 - b. Evaluate existing site.
 - c. Evaluate environmental aspects.
 - d. Summarize existing problems and make presentation.
3. Preliminary Design
 - a. Preliminary layout of proposed project
 - b. Land surveys for mapping, rights-of-way, and / or land acquisitions
 - c. Coordination with the WV DEP and DOH with USDA-RD
 - d. Preliminary Cost Estimates
 - e. Preliminary review with the WVARNG.
4. Final Design
 - a. Incorporate review comments from the WVARNG, WV DEP, USDA-RD, and other agencies
 - b. Prepare detailed specifications and final design report in accordance with state and federal guidelines.
 - c. Attend public meetings.
 - d. Prepare final cost estimates.
 - e. Secure permits from officiating WV DEP and DOH, and other agencies
 - f. Prepare bid documents.
 - g. Conduct pre-bid conference.
 - h. Assist in advertising for bids, attend bid opening and assist in evaluation of bids with recommendations for awarding the construction of the project(s)

CONSTRUCTION PHASE

NREI will provide the following services during the construction phase of the project:

1. Administrative Services
 - a. Assist and advise the WVARNG in the preparation of construction contracts for signature(s)
 - b. Issue a "Notice to Proceed" to the appropriate Contractor(s)
 - c. Provide consultation and advise the WVARNG during construction
 - d. Preparation of elementary and supplementary sketches and / or drawings required to resolve problems arising from actual field conditions encountered.
 - e. Review and approve shop drawings, diagrams, illustrations, brochures, catalog data, schedules, and samples, results of tests and inspections, other data which the contractor(s) is required to submit, but only for conformance with the design concept of the Project and compliance with the information given in the contract documents.
 - f. Receive and review maintenance and operating instructions, schedules, guarantees, bond, and certificates of inspections which are to be assembled by the contractor(s) in accordance with the contract documents.
 - g. Review and approve requests for periodic and final payments to the contractor(s)
 - h. Issue certificates of completion to the WVARNG for completed construction contracts.
 - i. Review original drawings and provide to the WVARNG a digital copy on disk and two (2) sets of black line prints of "as-built" plans
 - j. Advise the WVARNG whether the project can meet the project performance standards.
 - k. Attend monthly meetings during the construction period.
 - l. Represent the WVARNG in technical matters and litigation, if required
 - m. Provide engineering services during start-up of the facility.
 - n. Provide training to WVARNG employees for the operation of the new facility.
 - o. Provide one (1) year project performance certification.

2. Field Services
 - a. A Qualified Design Professional will make periodic visits to the site to observe the progress and quality of the executed work, and determine, in general, if the work is proceeding in accordance with the contract documents.
 - b. Efforts will be directed toward providing assurance to the WVARNG that the completed project will conform to the requirements of the contract documents.
 - c. Make general monthly construction progress reports to the WVARNG.
 - d. Observe initial operation of the project, or any performance tests as required by the specifications.
 - e. Make final inspection and report on the completed project.
 - f. Advise the WVARNG of any special test or necessary outside services that may be required to assist construction of the project.

SPECIAL SERVICES

1. Land Surveys
 - a. Easements and right-of-way plat maps
 - b. Verify existing aboveground and underground utilities.
 - c. Construction stakeout of proposed improvements of connection with existing utilities
2. Attendance at Public Meetings to represent the WVARNG on technical matters.
3. Attendance at Technical Meetings with the WVARNG, DEP, etc.
4. Furnish technical assistance to the accountant and legal staff.
5. Provide technical testimony before courts and / or administrative hearings related to the project.

NREI UNIQUE QUALIFIERS

- **98% Repeat Clients.** Dedicated to the provision of sound engineering and having a history with all our clients focusing on quality and safety which is the foundation of our success with clients returning to NREI.
- **Small Business • Multiple Services.** A certified Small Business with 65 employees offering multiple services under the NREI umbrella including: engineering, architecture, interior design, environmental, funding assistance, and surveying services.
- **NREI is of Good Standing.** NREI has a proven track record to complete all projects on time and within budget without litigation against the firm and has never been reprimanded by a Professional Engineering Board or had the Certificate of Authorization suspended.
- **Funding and Permitting Proficiency.** Thorough knowledge and experience in obtaining federal, state and local grant and/or loan funding with an excellent reputation with ALL regulatory, funding, permitting and enforcement agencies

HEADQUARTERS:

501 Eagle Mountain Road
Charleston, WV 25311
304.342.7168

REGIONAL OFFICES:

202 School Drive
Shrewsbury, WV 25015
304.595.3290

3041 University Ave, Ste 6
Morgantown, WV 26505
681.668.1809

507 Richland Ave, Ste 302B
Athens, OH 45701
740.566.5699

Green & Associates
156 Woodrow Ave, Ste 2A
St. Clairsville, OH 43950
740.695.9977



PROJECT EXPERIENCE

Richland Area Fire Department, Athens County, OH

Renovation and addition for a fire facility providing 4 double vehicle bays, personal day area, sleeping quarters, kitchen, classroom, fitness center, restrooms and showers. Renovation of existing 1870's pre-engineered building, with new 11,000SF pre-engineered truck bay addition and all new roofing.

Hocking County EMS, Hocking County, OH

Renovation of abandoned fire station into new EMS facility; converting one of their four vehicle bays into a day room, kitchen, sleeping quarters, restrooms and showers.

Athens County Engineer Depot, Athens County, OH

15,000 sq. ft. facility to provide a service area of county maintenance vehicles, wash bay, vehicle lift, material storage with additional general storage above in the mezzanine area. The building including installation of light shelves providing indirect lighting into the interior of the garage facility. The administration building was also constructed as part of this project and included conference space, restrooms, and a public conference area.

Athens County Sheriff's Office Master Plan, Athens County, OH

20,000 sq. ft. administrative space, deputy quarters, 911 dispatching facility, sleeping quarters, incarceration facility, and evidence storage area.

Boomer Fire Department House Addition, Boomer, WV

Principal civil engineer for planning and design of building addition to existing fire station with 2nd floor for multi-purpose use. Prepared conceptual master plan with preliminary cost estimates, site plans, renderings and floor plans. Design phase included engineering, design, planning, specification creation and bid documents.

- **Project Status:** In Design 2025, Construction estimated 2025
- **Reference:** Chief Mike Scarbough, Boomer Fire Department, 188 Park Road, Boomer, WV 25031, 304.779.2763

Glasgow Fire Department, Fayette County, WV

New fire station with pull through truck bays, office space, lounge area, staging area, mechanic bay, wash bay, cafeteria, and training facilities.

- **Reference:** Marty Blankenship, Chief 304.421.5101 Glasgow Volunteer Fire Department PO Box 190, 119 Tompkins Ave, Glasgow, WV 25086-0190, general phone 304.595.4554

Fayette County Firefighters Association, New Hawks Nest Fire Training Center, Station 18, Fayette County, WV

This new 12,000 SF facility consists of four-bays. It will have a kitchen, bathrooms and 4,000 SF dedicated to training and/or classrooms. The 2nd story consists of additional training/office space and a functioning mezzanine. NREI completed preliminary design and working on final design that is scheduled to be completed in 2025 with construction to commence in 2026. Project design cost is \$244,000.

- **Reference:** Josh Davis, Vice President, Fayette County Firefighters Association, PO Box 60, Fayetteville, WV 25840, Office 304.640.1105

WV Army National Guard, Charleston, WV

Survey for new Coonskin Drive gate house and parking lot project. Work included the location of utilities, ground topography and security fence installations.

- **Reference:** David R. Unrue, David.r.unrue.nfg@mail.mil

WV Army National Guard, Charleston, WV

Site survey and engineering design for new parking layout and ADA ramp to access Building 130, and engineering design of a new fire water service line to Building 130.

- **Reference:** Robert Fritz, PE, Mott McDonald, robert.fritz@mottmac.com

WV Air National Guard, Charleston, WV

Site Surveys for new fire station at CRW Yeager Airport and wind shear tower near Building 130. Work included the location of utilities and ground topography.

- **Reference:** Tom Mertz, Benham Group, tom.mertz@benham.com

WV Air National Guard, Charleston, WV

Site Surveys for new wind shear towers at four locations near runway approaches at CRW Yeager Airport. Work included the location of utilities, ground topography and land acquisition.

- **Project Status:** Completed 2002
- **Reference:** G & L Electric

WV Army National Guard, Charleston, WV

Engineering services for package wastewater treatment plants, NPDES renewal and oil/water separators for Charleston and Salem Armory.

WV Army National Guard, Camp Dawson, Kingwood, WV

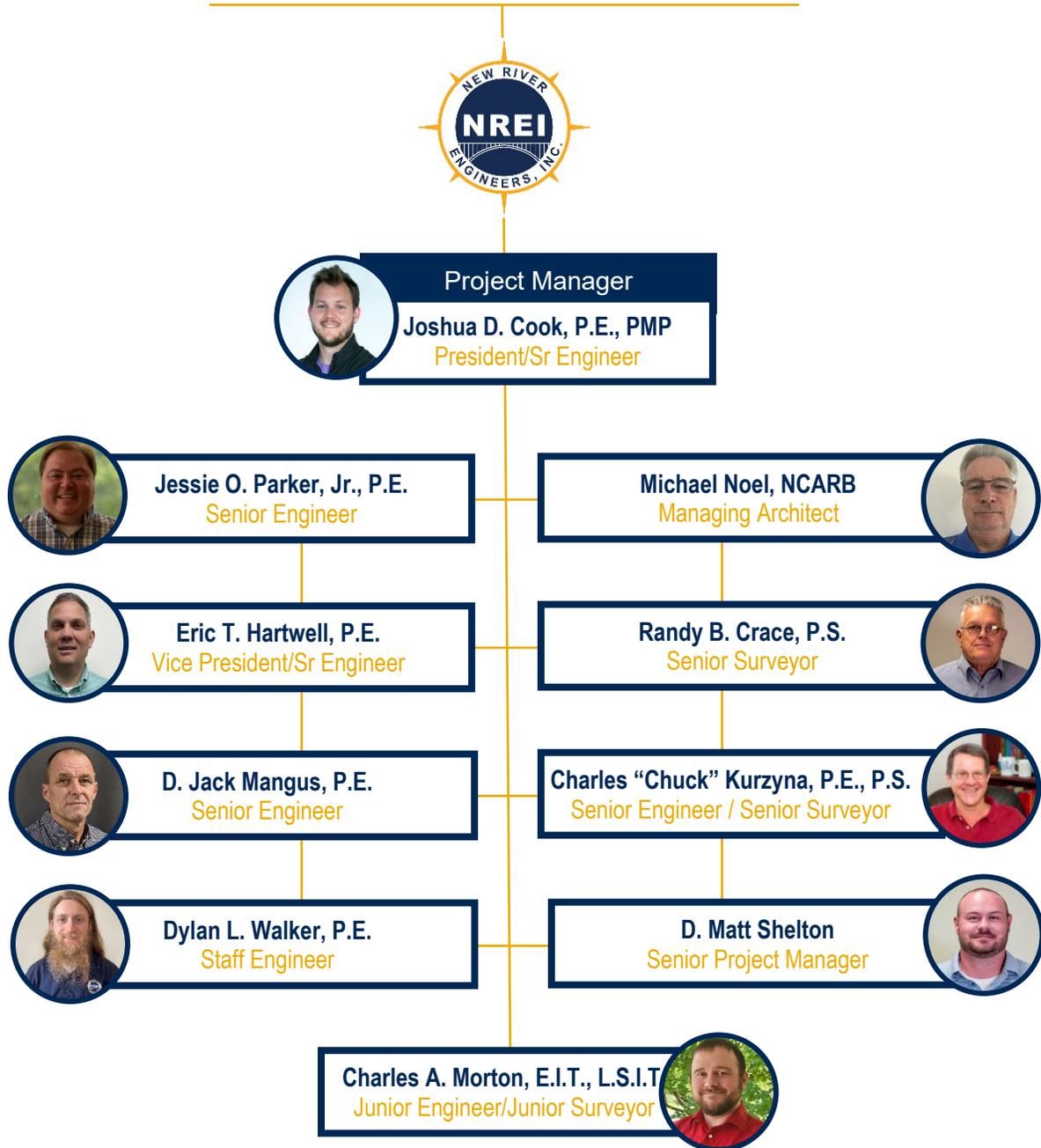
Surveying for re-striping of runway and taxiway including fuel cells. Inspection of electrical system and lighting for re-lighting of runways.

WV Army National Guard, Camp Dawson, Kingwood, WV

Engineering services for planning, design and construction administration of groundwater wells and water treatment plant.

ORGANIZATIONAL CHART

West Virginia Army National Guard



RESUMES OF KEY PERSONNEL



Joshua D. Cook, P.E., PMP

**Project Manager
President / Senior Engineer**

Josh began his professional career in 2012 and has worked on a variety of civil engineering projects throughout West Virginia, Ohio, Virginia, Maryland, and Pennsylvania. During his career, Josh has served as project engineer, project manager and engineering manager for coal and natural gas companies and municipal engineering consulting firms, including New River Engineers.

Josh has experience in environmental remediation, groundwater protection plans (including spill prevention, control and countermeasure plans), stormwater permitting and design, construction management, water, wastewater, storm water and a variety of natural gas experience.

Josh has been successful in managing a variety of projects to remain on-time, on-budget and compliant.

EDUCATION

Bachelor of Science

Civil Engineering
West Virginia University Institute of
Technology

Master of Science

Engineering
Marshall University

CERTIFICATIONS

Professional Engineer – WV, KY, OH,
MD, VA, TN, AL, MI

Project Management Professional
(PMP)

PROFESSIONAL AFFILIATIONS

American Society of Civil Engineers

West Virginia Rural Water
Association

Business Networking International
(BNI)

Project Management Institute (PMI)

PROJECT EXPERIENCE

Paint Creek Recreational Trail, Slip Repair, Ross
County, OH

Town of Ansted, Gauley Mountain Bike Trail and Fox
Branch Creek Bridge Trestle, Ansted, WV

Fayette County Park Pool Project, Fayetteville, WV

Fayette County Fireman's Association, New Hawks Nest
Fire Training Center, Fayette County, WV

Meadow Bridge Community Center, WV

Boomer Fire Department House Addition, WV

Athens County Engineer's New Salt Building, Athens,
OH



Jessie O. Parker, Jr., P.E.
Senior Engineer

Jessie began his career in 2003 working on a variety of environmental projects throughout West Virginia, Kentucky, Ohio, and Virginia. He has served in the capacity of Engineer, Project Manager, and Principal in Charge for a variety of projects at S & S Engineers. This experience includes environmental, water supply, wastewater, storm water and drainage projects. Jessie's responsibilities include planning, design, and construction administration.

Jessie also has experience in grading plans, construction management, payment request approvals, quantity & cost estimates, and has worked with City, Town & PSD personnel, regulatory and funding agencies, as well as contractors.

Jessie has proven to move projects forward in a professional, cost-effective, and timely manner. He has extensive knowledge of the state and federal water supply, and wastewater laws and regulations and is very familiar with federal and state grant and loan programs.

EDUCATION

Bachelor of Science

Civil Engineering
West Virginia University Institute of Technology

Master of Science

Engineering
Marshall University

CERTIFICATIONS

Professional Engineer – WV, KY, OH, PA, MD, VA, TN, NC, SC

Environmental Site Assessment
Commercial Real Estate

PROFESSIONAL AFFILIATIONS

Water Environment Federation
American Water Works Association
American Society of Civil Engineers
Society of American Military Engineers
West Virginia Rural Water Association
Contractors Association of West Virginia

PROJECT EXPERIENCE

Elk River Flood Repairs and Coonskin Park Trail Replacement, Kanawha County, WV

Big Bend Golf Course Slope and Coonskin Park Trail Wall Flood Repair, Kanawha County, WV

CRW Yeager Airport, Runway 5 Slope Failure, Charleston, WV

WV Water Dept Authority, Riverbank Slope Erosion Repair, Charleston, WV

Meadow Bridge Community Center, WV

City of Montgomery Pavillion, Montgomery, WV

Fayette County Park Pool Project, Fayetteville, WV

Fayette County Fireman's Association, New Hawks Nest Fire Training Center, Fayette County, WV





Eric T. Hartwell, P.E.
Vice President / Senior Engineer

Eric has over 25 years of experience in planning, design, and construction of environmental projects. The majority of his experience is in the design and construction of wastewater treatment and collection systems, water treatment and distribution systems and industrial oil water separators.

Eric was an integral part of the design team for several wastewater treatment plant upgrade projects and over 70 pump stations ranging in size from 5 to 7000 gallons per minute. He has also been involved in the design of multiple water treatment plants and pumping stations.

Eric oversees the design and construction of water storage tanks and pressure reducing valve stations. He has worked on environmental projects throughout West Virginia. His responsibilities include planning, design, construction administration, preparation of operation and maintenance manuals and operator training for water supply and distribution, wastewater collection and treatment, water loss and infiltration and inflow reduction projects.

Eric also has experience in construction management, payment request review and approval, quantity and cost estimates. His thorough and committed communication skills has earned him repeat clients throughout his career with municipal, PSD personnel, regulatory agencies and contractors.

PROJECT EXPERIENCE

- WWTP Improvements, Ronceverte, WV
- Chapmanville WWTP Improvements, Chapmanville
- Water Treatment Plant Modifications, Ravenswood
- Raw Waterline Replacement and Waterline Extension, Nettie-Leivasy PSD, Nicholas County, WV
- GSA PSD Phase III Sewer Extension, Saint Albans
- Mill Street Water & Sanitary Sewer Replacement, Jackson, OH
- Glasgow New Fire House, Glasgow, WV

EDUCATION

Bachelor of Science
Civil Engineering
West Virginia University Institute of Technology

Master of Science
Civil Engineering
West Virginia University

CERTIFICATIONS

Professional Engineer – WV, OH

PROFESSIONAL AFFILIATIONS

Contractors Association of West Virginia





D. Jack Mangus, PE
Senior Engineer

Jack has over 25 years of results-driven civil engineering experience in hydrology, utility design, and transportation, with a heavy emphasis on hydrology and residential design. His ability to accurately interpret engineering drawings and adapt them to field conditions excels project schedules. Jack's excellent communication skills, both verbal and written, foster trust with stakeholders, and the construction team appreciates his approachability in addressing minor issues that could hinder project progression.

Jack enjoys assessing large tracts of land for development potential with respect to engineering and construction limitations that may exist. He prepares initial cost estimates for design, permitting, and construction to be used in the assessment of project feasibility.

Jack understands and troubleshoots complex mechanical processes, including coal washing circuits and material separation /extraction using various pieces of process equipment. He has a deep knowledge of hydraulics, hydrology, structural, and sanitary engineering related to large commercial, residential, and pipeline projects.

EDUCATION

Bachelor of Science
Civil Engineering
University of Florida

CERTIFICATIONS

Professional Engineer – KY, WV

PROFESSIONAL AFFILIATIONS

American Society of Civil Engineers

SKILLS

AdICPR

AutoCAD LD

AutoCAD (Mechanical)

HEC-RAS

PONDS

ArcGIS

PROJECT EXPERIENCE

St. Johns Golf & Country Club, Jacksonville, FL

Jacksonville Golf and Country Club, Jacksonville, FL

Arq Coal Processing Facility, Corbin, KY



Dylan L. Walker, PE
Staff Engineer

Dylan began his engineering career in 2019 through internships, which led to full-time employment in 2021. Since then, he has been greatly involved in various bridge and drainage structure projects, encompassing bridge evaluation, bridge inspection, and bridge load analysis. He has contributed to a diverse range of projects in West Virginia.

Dylan has demonstrated proficiency in a variety of roles, and duties in several disciplines, from wastewater to structures, with an understanding of engineering principles and practices. His skills and experience have assisted with ensuring the success of a wide range of projects. His responsibilities encompass planning, permitting, coordination, and construction administration.

He collaborates with municipalities, regulatory agencies, and contractors. His attentive communication style and hands-on approach foster strong partnerships with stakeholders, facilitating streamlined project workflows and timely deliverables.

Dylan has consistently advanced projects in a professional, cost-effective, and timely manner. His experience with AutoCAD, Autodesk, and AASHTOBrR significantly bolsters his diverse background and knowledge

EDUCATION

Bachelor of Science
Civil Engineering
West Virginia University

CERTIFICATIONS

- Professional Engineer – WV
- Safety Inspection of In-Service Bridges (NHI)
- Fracture Critical Inspection Techniques for Steel Bridges (NHI)
- Stream Stability and Scour at Highway Bridges for Bridge Inspectors (NHI)

PROJECT EXPERIENCE

- Paint Creek Recreational Trail, Slip Repair, Ross County, OH
- City of Jackson and Ross County Parks District, AMLER Salk Lick Creek, Jackson, OH
- Town of Ansted, Gauley Mountain Bike Trail and Fox Branch Creek Bridge Trestle, Ansted, WV
- Fayette County Park Pool Project, Fayetteville, WV
- Fayette County Fireman’s Association, New Hawks Nest Fire Training Center, Fayette County, WV
- Boomer Fire Department House Addition, WV





D. Matt Shelton
Senior Project Manager

Matt began his career in the field as a surveyor and has progressed to successfully earning a civil engineering degree. It's with this eventual process that makes his skills superior with overseeing site development, water supply, wastewater, storm water and drainage projects. His skills include construction management, record keeping, quantity and payment reviews. His attention to detail and great communication skills has earned him much respect among general contractors, subcontractors, community representatives and residents. His solid techniques move projects in a professional, cost-effective and timely manner.

Matt is experienced in site grading, surveying, building layouts, water & sewer system design and construction inspection on civil engineering projects.

Matt's experience as an Engineering Technician includes design of water line extensions, water booster stations, water storage tanks, wastewater pump stations, sewer line extensions, manholes, drainage calculations, and preparation of quantity and cost estimates.

Matt's experience as a Survey Technician/ Instrument team member includes topographic surveys, construction stakeout for water and sewer systems and highways, building layout, cut sheets for sewer systems and GPS surveying for field control work, etc.

PROJECT EXPERIENCE

Elk River Flood Repairs and Coonskin Park Trail Replacement, Kanawha County, WV

Big Bend Golf Course Slope and Coonskin Park Trail Wall Flood Repair, Kanawha County, WV

CRW Yeager Airport, Runway 5 Slope Failure, Charleston, WV

Town of Fort Gay Sewer Lines, Wayne County, WV

Fayette County Park Pool Project, Fayetteville, WV

EDUCATION

Bachelor of Science
Civil Engineering Technology
West Virginia University Institute of Technology

CERTIFICATIONS

Environmental Site Assessment
Commercial Real Estate

PROFESSIONAL AFFILIATIONS

Water Environment Federation
Contractors Association of West Virginia





Michael E. Noel, NCARB
Managing Architect

Mike has recently joined the NREI team as of July 2025 along with his team including architects and CAD drafters. Mike was previously the Principal of Michael Noel Architect, LLC for the past four years. Before establishing his firm, he was Senior Principal with Panich, Noel and Associates for 32 years.

EXPERIENCE REGISTERED ARCHITECT

Responsible for day-to-day design and management of various construction types for the firm.

CONSTRUCTION DOCUMENTS

As the Partner in charge Mike has been partnered to oversee more than \$300 million dollars of construction documents varying from hotels, industrial buildings, churches, prisons, and higher and lower education.

PROJECT EXPERIENCE

Meadow Bridge Community Center, Meadow Bridge, WV

Fayette County Fireman's Association, New Hawks Nest Fire Training Center, Station 18, Fayette Co

Midland Trail Emergency Shelter, Fayette County

City of Montgomery Pavilion, Montgomery, WV

Glasgow Fire Department, Glasgow, WV

Fayette County Park Pool Project, Fayetteville, WV

Emmanuel Baptist Church, Parkersburg, WV

Stout U.M. Family Life Center, Vienna, WV

Wayside United Methodist Church, Vienna, WV

Holiday Inn, Morgantown, WV

Peoples Bank, Vienna, WV

Athens County Engineering Depot

Athens Community Center

Athens High School Baseball Stands, Press Box and Concessions Venue

EDUCATION

Bachelor of Arts
Architecture

Ohio University

Register NCARB

CERTIFICATIONS

Professional Architect —OH, WV, IL, KY

PROFESSIONAL AFFILIATIONS

Athens Rotary Club

Boy Scouts of America

Athletes in Action





Randy B. Crace, P.S.
Senior Surveyor

Randy began his career in 1983 working on a variety of surveying and engineering projects. Areas of concentration in boundary surveys, mapping, topography, subdivisions, annexations, right of ways, subdivision development, construction stakeout, aerial mapping controls, GPS-RTK survey control networks, oil and gas well locations, surface and underground mining permits, construction stakeout, hydrology, erosion and sediment control plans, storm water retention systems, site grading plans, parking lot layout, WVDOH driveway permits, CAD software programs, Geographic Information Systems, Phase I - ASTM environmental site assessment and expert witness testimony in the surveying field.

EDUCATION

Bachelor of Science
Industrial Technology
West Virginia State College

Master of Science Environmental Studies
MUCGS, Institute of WV, Partial Course Work

CERTIFICATIONS

Professional Surveyor – WV, KY, OH

Environmental Site Assessment
Commercial Real Estate Certification
ASTM E-1527 & E-1528

ACSM Surveying Instrumentation
and Coordinate Computation
Certification

Center College, Charleston, WV
Technical Degree, Drafting

PROFESSIONAL AFFILIATIONS

West Virginia Association of Land Surveyors

American Congress of Surveying & Mapping

National Society of Professional Surveyors

American Institute of Architects, WV

U.S. Army - SP4
Honorable Discharge - 1974 

PROJECT EXPERIENCE

Town of Fort Gay Sewer Lines, Wayne County, WV

CWVRAA Yeager Airport, Stormwater Improvements, Charleston, WV

Hargrove Student Housing Renovation, Beckley, WV

Boomer Fire House Addition, Boomer, WV

Glasgow Fire Department New Fire Station, Glasgow, WV

New River Engineers, Inc. Headquarters Building, Teays Valley, WV

Thomas Hospita Environmental Site Assessments, Kanawha County, WV

WVDOC Denmar Correctional Center, Pocahontas County, WV





Charles "Chuck" Kurzyna, P.E., P.S.
Senior Engineer / Senior Surveyor

Chuck has over 30 years of engineering and management experience in the mining industry and consulting business. He specializes in surface and underground mine design, planning, and surveying; environmental and safety permitting; project and construction management.

Project Manager for a consulting engineering firm, responsible for job estimates and bidding, supervise office staff in engineering related projects including surface mine surveying, reclamation and permitting, reserve studies, etc.

Chief Engineer for a small mining and construction company, responsible for mine planning, production tracking, construction job bidding, construction engineering, etc.

Chief Engineer, Senior Engineer for the Lady Dunn Surface Mine & Preparation Plant; coal reserve evaluations; project engineering for mine related facilities; environmental permits for large surface and deep mining operation; etc.

EDUCATION

Bachelor of Science

Mine Engineering Technology
West Virginia University Institute of Technology

Associate of Science

West Virginia University Institute of Technology

CERTIFICATIONS

Professional Engineer – WV, OH, PA, VA, KY, GA

Professional Surveyor – WV

Underground Mine Foreman

Surface Mine Foreman

PROFESSIONAL AFFILIATIONS

Contractors Association of West Virginia

West Virginia Coal Association

Friends of Coal Association

Society of Mining Engineers

PROJECT EXPERIENCE

City of Jackson and Ross County Parks District, AMLER Salk Lick Creek, Jackson, OH

CRW Yeager Airport, Runway 5 Slope Failure, Charleston, WV





Charles A. Morton, EIT, LSIT
Junior Engineer / Junior Surveyor

Charles commenced his engineering career in 2015 through internships, which served a strong transition to full-time employment in 2019. Since then, he has been extensively involved in various facets of engineering projects, encompassing construction, utilities, surveying, traffic signals, and site design. He has contributed to a diverse range of projects in Kentucky and Tennessee.

Serving both Project Engineer and Design Engineer, Charles has demonstrated proficiency in a variety of disciplines. From site design to the telecommunication infrastructure, with understanding of engineering principles and practices. He also creates layouts for stormwater, wastewater, and electricity in coordination with the local utilities for preference which has assisted with ensuring the success of a wide range of projects. His responsibilities encompass planning, coordination, design, and construction administration.

In addition, Charles possesses strong skills in grading, construction inspection, and the preparation of quantity and cost estimates. He has collaborated with municipalities, regulatory agencies, funding bodies, and contractors. His proactive communication style and collaborative spirit foster strong partnerships with stakeholders, facilitating streamlined project workflows and timely deliverables.

Charles has consistently advanced projects in a professional, cost-effective, and timely manner. His extensive experience with AutoCAD and Autodesk significantly bolsters his diverse background and knowledge. Furthermore, he has leveraged his expertise by instructing students across various proficiency levels in the fundamentals and advanced features of engineering practice as an engineering professor at the University of Kentucky and Bluegrass Community and Technical College

EDUCATION

Bachelor of Science
Civil Engineering
University of Kentucky

Master of Science
Civil Engineering
University of Kentucky

CERTIFICATIONS

KYTC Utility Coordination Training and Certification (2022)

Engineer in Training – KY

Land Surveyor in Training – KY

PROFESSIONAL AFFILIATIONS

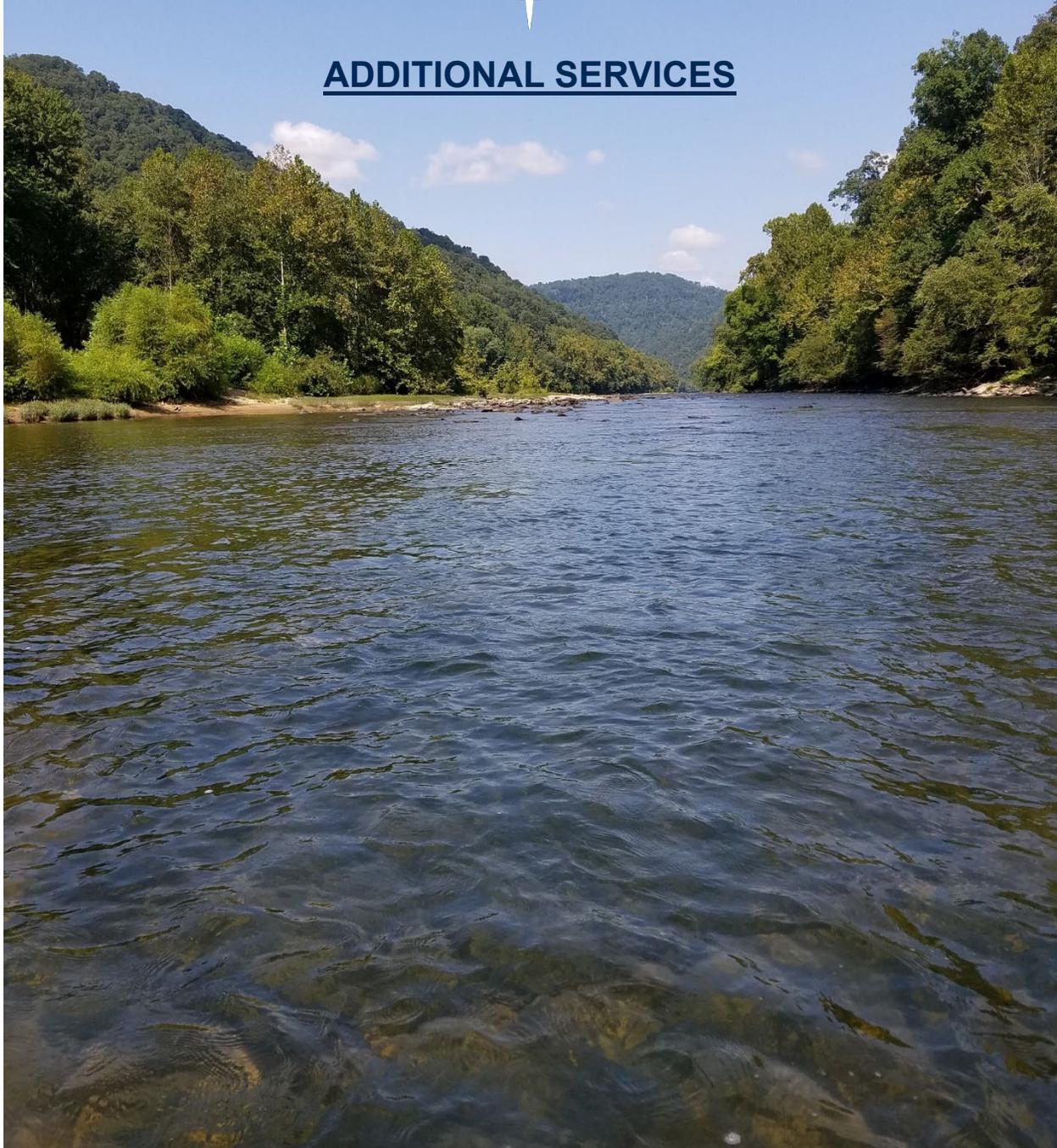
American Society of Civil Engineers

National Society of Professional Engineers





ADDITIONAL SERVICES



EOI Fire Department Facility Design
Camp Dawson Training Center
WV Army National Guard



Water Supply, Treatment, Storage and Distribution Systems

With over forty years of experience, NREI is your one stop shop for water supply, treatment, storage, and distribution systems. We implement our four-step process to each project to develop a better understanding of our client's needs and expectations: 1. Preliminary Engineering Report; 2. Design Phase; 3. Bidding Phase; 4. Construction Administration. We are "hands on" during all phases to ensure our clients obtain what they want in every project.

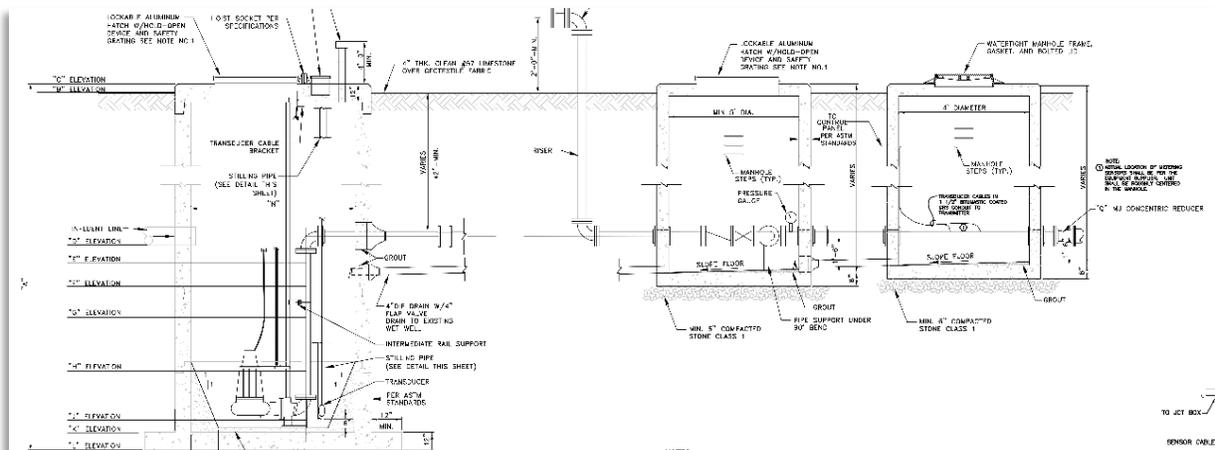
As a locally owned "small family" consulting firm, our clients get more for their money and receive more one-on-one time with our employees, which yields a more pleasurable experience. We excel in helping our clients ascertain funding from various governmental agencies to assist in the financing of the project.



Wastewater Collection & Treatment Systems / Industrial & Hazardous Waste Treatment Systems

We recognize the importance and understand the hurdles that our clients must maneuver to offer wastewater service to their customers. We have a proven track record with a vast knowledge of local conditions and an excellent reputation with all regulatory, funding, permitting and enforcement agencies. Our crew, from CAD Techs to the President, is included in all phases of the project. We have the knowledge and capacity to carry out the workload in a timely manner.

We have a full understanding of wastewater systems from small treatment facilities to municipalities, all the way to industrial wastewater systems. We are thoroughly knowledgeable in obtaining federal, state, and local funding and are available to you 24/7. We will see your projects from conception to completion.



EOI Fire Department Facility Design
Camp Dawson Training Center
WV Army National Guard



Environmental Permitting

NREI's team assists with an efficient and thorough team of environmental consultants making sure permitting, regulatory compliance, construction monitoring and biological surveying are done with the utmost quality and cost effectiveness. This saves your project time and money from the start and avoids costly delays in the future. Compliance with Clean Air and Water Acts, NEPA and other state and federal requirements is invaluable to every project. Our environmental permitting team provides attention to detail and practical solutions to complex issues to keep your project going forward and within budget.



SERVICES

- Storm Water Permitting, Design & Management
- Water Quality Monitoring
- Flood Plan Determination & Flood Elevation Certificates
- Groundwater Protection Plans
- Stream & Wetland Delineation
- Environmental Site Assessment
- Spill Prevention Control & Countermeasures Plan (SPCC)
- Article 3 Mining Permits
- Article 11 NPDES Permits
- West Virginia 401 Certification Permitting
- Wastewater Permitting, Design & Management
- Clean Water Act Section 402 Permitting (NPDES Permit)
- United States Army Corps of Engineers 404 Permitting
- Air Quality Permitting Best Management Practices (BMP)



AGENCY EXPERIENCE

- US Environmental Protection Agency (EPA)
- National Environmental Policy Act (NEPA)
- US Fish & Wildlife
- National Conservation Planning Partnership (NRCS) & Forest Service
- United States Department of Agriculture (USDA) – Rural Development
- Federal Aviation Administration (FAA)
- West Virginia Public Lands
- WV Department of Natural Resources (DNR)
- WV Culture & History
- EPA & WV DEP Compliance
- Ohio State Historic Preservation Office (SHPO)
- Ohio Department of Natural Resources (DNR)
- Ohio Environmental Protection Agency (EPA)
- Ohio Public Works Commission (OPWC)
- Ohio Department of Commerce/Division of Industrial Compliance
- Virginia Department of Environmental Quality (DEQ)

Structural Engineering

We offer a full range of structural engineering services to help meet the needs of our clients. In addition to professional training, our structural capabilities are bolstered by a depth and breadth of experience developed through solving unique and complex engineering challenges. We have experience with projects in the private, public, commercial and industrial sectors. Whether designing new structures, retrofitting existing structures, addressing overstressed conditions, or assessing structural integrity, our clients can rest assured that we are capable of meeting their specific needs.

- Structural Analysis
- Steel Structures and Building Enclosures
- Modular Design
- Pilings and Foundations
- Concrete Containment Structures
- Retrofit of Existing Overstressed Structures
- Building Permits and Code Analysis
- Bridge Cranes, Monorails, Jibs, etc.
- Truck/Rail Unloading Stations
- Lifting Beams and Rigging
- Industrial Architectural Design
- Structural Inspections and Assessments



Construction Management and Civil Site Design

NREI is established as one of the leading construction engineering consulting firms in the region with experienced staff that are committed to and dedicated to your project from initial site design and bid package development to inspections and certifications.

NREI offers Civil Site Design services including sub-division layouts, commercial development and design, HCA project areas, well pads, impoundments, street paving, drainage control, solid waste landfill and impoundment design. We know and understand the value and importance of properly designed sites that offer cost effective solutions.

- 3D Site Design
- Haulage & Access Road Design
- Excess Spoil Disposal Site Design
- Drainage Design and Runoff Calculations
- Solid Wastewater Management and Landfill Design
- Subdivision Design and Permit Applications
- Site Development Plans
- Pre, During & Post Construction Surveying
- HECRAS Modeling
- Stability Analysis
- Site inspections/Project Management
- Certifications
- Cost Estimates
- Street Paving Design and Drainage Control
- Construction Management
- Earth Work Quantity Estimates
- Construction Staking
- Concrete Testing & Inspection



Geotechnical Engineering

NREI's professional engineers and engineering technicians have extensive geotechnical engineering experience specializing in compaction testing, foundation design, slope failure remediation and embankment design. We focus on identifying the needs of clients and providing cost-effective solutions with real results.

- Drilling Oversight, Management and Inspection
- Slope failure Remediation
- Slope Stability Analysis
- Gabion Basket Wall Design
- Compaction Testing
- Foundation Design
- Embankment Design
- Drainage Analysis
- Soldier Pile Wall Design



Surveying

NREI is established as one of the area's leading surveying firms with our 45 years of experience in property, boundary and topographic mapping. Our team is skilled in courthouse research, finding property evidence, providing quality property surveys and construction stake-outs.

Additionally, we offer aerial mapping utilizing drone surveys. Our aerial mapping has proven to be invaluable for construction progress mapping, well pad progression, subdivision layouts and civil site designs.

- Property Abstract & Research
- Boundary Surveys
- Survey Plats
- Subdivision Design & Layout
- Construction Surveying & Stakeout
- Underground Mining Surveying
- Right-of-Way & Land Acquisition
- GPS Services
- Aerial Mapping / Control
- Drone Flight & Surveying
- Topographical Surveys
- ALTA / ACSM Land Title Surveys
- Unit Surveys
- Surface Mining Surveying
- Computer Mapping
- GIS Services



Subsurface Utility Survey

NREI uses some of the most advanced technology in Ground Penetrating Radar (GPR), pipe and cable locators and smoke testing machines to accurately survey, map and inspect subsurface utilities. These services have been extensively used by our clients in the construction, oil and gas industries, as well as public service districts.

- Pipe and Cable Location
- Sewer Line Smoke Testing
- Ground Penetrating Radar (GPR)
- Internal Video Pipe Inspection

