CTL Engineering of West Virginia, Inc.
300 Capitol Street, Suite 1520
Charleston, West Virginia 25301
email: ctlwv@ctleng.com

AN EMPLOYEE OWNED COMPANY

Consulting Engineers • Testing • Inspection Services • Analytical Laboratories

Established 1927

May 15, 2025

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

Attention: Josh Hager

Reference: Solicitation No: CEOI 0310 DNR2500000003
Expression of Interest
Engineering Services for Shooting Range at Sleepy Creek WMA

Mr. Hager:

CTL Engineering, Inc. (CTL) is pleased to submit our letter of qualification to provide engineering design and construction management services for the Shooting Range at Sleepy Creek WMA, in Berkeley County, West Virginia. We have comprised a **West Virginia team** of individuals with diverse backgrounds from CTL, as well as New River Engineering, Inc. (NREI).

We have already seen a significant impact on West Virginia due to the substantial growth in the tourism industry. Visitor spending reached $6.3 billion in 2023, exceeding the national average. This growth is attributed to the increased number of visitors. In 2023, the number of visitors to West Virginia increased by 3.2%, outperforming the national average of 2.5%. This increase indicates a growing interest in West Virginia as a travel destination.

With the shooting range market experiencing significant growth, we understand the need to provide well-equipped shooting facilities. The open space and natural environment of an outdoor range can help shooters develop skills more directly applicable to their interest and needs; while also providing more freedom to move around to practice different shooting positions and angles, making training more adaptable to real-world situations.

CTL's goal is to provide expertise and quality deliverables in a timely and cost-effective manner so the West Virginia Division of Natural Resources' plan can come to fruition as expeditiously as possible to meet the growing demands and needs of this area.

CTL and NREI appreciate the opportunity to be of service.

Respectfully submitted,

CTL ENGINEERING, INC.

Jimmy Wriston, P.E.
Project Manager

EXPRESSION OF INTEREST

ENGINEERING SERVICES FOR WEST VIRGINIA DIVISION OF NATURAL RESOURCES – SLEEPY CREEK WMA SHOOTING RANGE

MAY 15, 2025

CTL Engineering of West Virginia, Inc.
300 Capitol Street, Suite 1520
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CTL ENGINEERING, INC.

Jimmy Wriston, P.E.
Project Manager

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) Alanna J. Keller, P.E., Principal

(Address) 300 Capitol Street, Suite 1520, Charleston, WV 25301

(Phone Number) / (Fax Number) (304) 483-4650 / NA

(email address) akeller@ctleng.com

CERTIFICATION AND SIGNATURE: By signing below, or submitting documentation through *wv*OASIS, 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.

CTL Engineering, Inc.
(Company)

Alanna Keller
(Signature of Authorized Representative)

Alanna J. Keller, P.E., Principal 5/15/2025
(Printed Name and Title of Authorized Representative) (Date)

(304) 483-4650 / NA
(Phone Number) (Fax Number)

akeller@ctleng.com
(Email Address)

ADDENDUM ACKNOWLEDGEMENT FORM
SOLICITATION NO.:

Instructions: Please acknowledge receipt of all addenda issued with this solicitation by completing this addendum acknowledgment form. Check the box next to each addendum received and sign below. Failure to acknowledge addenda may result in bid disqualification.

Acknowledgment: I hereby acknowledge receipt of the following addenda and have made the necessary revisions to my proposal, plans and/or specification, etc.

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

- ☐ Addendum No. 1
- ☐ Addendum No. 2
- ☐ Addendum No. 3
- ☐ Addendum No. 4
- ☐ Addendum No. 5
- ☐ Addendum No. 6
- ☐ Addendum No. 7
- ☐ Addendum No. 8
- ☐ Addendum No. 9
- ☐ Addendum No. 10

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

CTL Engineering, Inc.
Company

Alanna Keller
Authorized Signature

5/15/2025
Date

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

TABLE OF CONTENTS

SECTION 1 –

QUALIFICATIONS

For nearly 100 years, **CTL Engineering, Inc. (CTL)** has been providing full-service consulting engineering, surveying, testing, inspection, and analytical services. Today, the company has expanded throughout the Midwest and Southern states with a total of 14 regional offices. CTL maintains a staff of over 425 employees, including registered professional engineers, planners, geologists, metallurgists, and a variety of certified engineering technicians. CTL is qualified to provide services in the following disciplines: roadway and bridge design, complete streets design, traffic engineering, water/wastewater, stormwater management/hydraulics, construction management and inspection, inspection and testing of construction materials and processes, surveying, geotechnical engineering, environmental services, civil and municipal engineering, mechanical and metallurgical analysis, non-destructive evaluations, chemical analysis, roofing design and inspection, building envelope evaluation, pavement design, structural steel and product testing.

CTL was established in 1927 and has maintained a presence in West Virginia for over 40 years. We are one of the most multifaceted firms in the region, with a complete construction materials laboratory, diversified local staff, and experience with a wide range of projects.

We are built on integrity and every project we undertake embodies the hard work and commitment that has formed the well-respected and reputable company seen today. CTL holds a continuous commitment to superior client service; we are determined to exceed our client's expectations. Through collaboration with clients on every project and listening and understanding of the client's needs, CTL responds with results which provide detailed steps to turn our client's vision into reality.

New River Engineers, Inc. (NREI) is an engineering, surveying and consulting firm that has been providing quality service to their clients and the industries for over 45 years. Mutual respect and trust are the cornerstones in the relationships established and maintained with their clients. NREI strives to perform all work in a professional and cost-effective manner, while providing their clients with quality and excellence.

The firm is managed by Jessie O. Parker, Jr., PE, CEO; Christopher Burford, COO/PM; Josh Cook, PE, PMP, Morgantown Engineering Manager; and Eric Hartwell, PE, Senior Project Engineer. NREI has successfully provided an integrated approach to publicly funded projects for their clients. NREI provides professional services to owners and operators, architects, and contractors throughout Ohio, West Virginia, Kentucky, Virginia and North Carolina and many others. NREI services range through all facets of civil engineering design as well as construction administration and project management.

NREI staff combines advanced technology with many decades of surveying, mining, and engineering experience and includes two (2) professional engineers, one (1) professional surveyor, four (4) degreed engineers, AutoCAD/engineer technicians and 10 full-time survey crews.

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

- Construction Design, Management and Surveying
- Geotechnical Engineering & Drilling Management
- Environmental Permitting (WVDEP, 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 their 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 their clients to control project costs.
- Be a technical sounding board for their 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. NREI believe their small size provides a distinct advantage to their clients and affords them the freedom to easily team with the clients to achieve the overall best possible result.

SECTION 2 –

SPECIALIZED EXPERIENCE & TECHNICAL EXPERTISE

CTL has assembled a full-service team, along with NREI, capable of providing services to construct a new Rifle Shooting Range and supporting infrastructure at the Sleepy Creek Wildlife Management Area (WMA), located in Berkeley County, on Third Mountain Road off of County Route (CR) 826, 1.5 miles north of CR 7/13. The CTL team has extensive experience in the planning, design, and construction of recreational and economic development projects.

Jimmy Wriston, P.E., will be the Project Manager and works out of our Charleston, West Virginia office. He has over 28 years of experience with the West Virginia Department of Transportation (WVDOT). His understanding of the transportation needs, issues, and challenges across West Virginia is an asset, coupled with his extensive knowledge of WVDOT's Division of Highways (DOH) and its programs, policies, and processes.

As a former Secretary of the WVDOT, Mr. Wriston worked closely with many state agencies such as the West Virginia Departments of Tourism, Economic Development, Division of Natural Resources and Environmental Protection, to name a few. His involvement with Regional Development authorities, local communities and the National Park Service brings a unique perspective in delivering much needed projects such as the project outlined for Sleepy Creek WMA.

Under the leadership of WVDOT's former Secretary and Deputy Secretary, Jimmy Wriston and Alanna Keller, respectively, in conjunction with the West Virginia Department of Tourism, the WVDOT/DOH planned, permitted, designed, and constructed a new parking area and trail connection for the New River Gorge National Park and Preserve. The project included clearing and grubbing, tree removal, excavation and grading, base and subgrade installation, parking space delineation, as well as construction and surfacing of a new section of trail to connect to the existing trail system from the parking facility. The facility provides additional, safe parking spaces for visitors to access hiking and bike trails in the nation's newest National Park.

Prior to serving as WVDOT Deputy Secretary and WVDOT/DOH Deputy Commissioner, **Alanna Keller, P.E.,** was the Chief Engineer of Special Programs. In this role, Ms. Keller served as the Interagency Coordinator and worked closely with the WVDOT's Division of Highways, Division of Multimodal Transportation Facilities, Parkways Authority, and Division of Motor Vehicles.

Environmental Permitting

Environmental permitting can be a complex and confusing landscape. NREI has 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 will save your project time and money from the start and avoid costly delays in the future. Compliance with Clean Air and Water Acts, NEPA and other state and federal requirements is invaluable to every project. NREI's attention to detail and practical solutions to complex issues are second to none. NREI environmental permitting team will make sure once your project is off the ground, it stays there! Environmental Permitting services include but are not limited to the following:

Environmental Permitting Services

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

Environmental Agency Experience

- National Environmental Policy Act (NEPA)
- US Environmental Protection Agency (EPA)
- National Conservation Planning Partnership (NRCS) & Forest Service
- United States Department of Agriculture (USDA) – Rural Development
- West Virginia Public Lands
- WV Department of Natural Resources (DNR)
- US Fish & Wildlife
- WV Culture & History
- Federal Aviation Administration (FAA)
- EPA & WV DEP Compliance
- Environmental Site Assessment
- Local Agency Building/Construction

Surveying

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

Additionally, NREI offer aerial mapping utilizing drone surveys. Aerial mapping has been proven to be invaluable for construction progress mapping, well pad progression, subdivision layouts, and civil site designs. Surveying services include, but are not limited to the following:

- 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

SECTION 3 –

PROJECT APPROACH

West Virginia's tourism industry has experienced substantial growth, with visitor spending reaching $6.3 billion in 2023, exceeding the national average. This growth is attributed to the increased number of visitors. In 2023, the number of visitors to West Virginia increased by 3.2%, outperforming the national average of 2.5%. This increase indicates a growing interest in West Virginia as a travel destination.

The shooting range market is experiencing signification growth, driven by increased participation in shooting sports, recreational activities, and a growing demand for training facilities for law enforcement and military personnel, contributing to the demand for well-equipped shooting facilities.

The open space and natural environment of outdoor ranges can help shooters develop skills that are more directly applicable to hunting, self-defense, or military situations. Outdoor ranges offer a valuable experience for those seeking more freedom to move around to practice different shooting positions and angles, making training more adaptable to real-world scenarios.

CTL's goal is to provide expertise and quality deliverables in a timely and cost-effective manner so the West Virginia Division of Natural Resources' (WVDNR) plan for the Sleepy Creek WMA can come to fruition as expeditiously as possible to meet the growing demands and needs of this area. This will be done by continuously focusing on the WVDNR's project goals and objectives:

***Goal/Objective 1**: Review existing site conditions and evaluate while communicating effectively with the owner to determine a plan that can be implemented in a manner that will minimize disruption to concurrent operation of the facility and meet all objectives.*

***Goal/Objective 2:** As a portion of this process outlined in Objective 1, provide all necessary services to design the facilities described in this Expressions of Interest (EOI) in a manner that is consistent with the Division of Natural Resources' needs, objectives, current law, and current code; while following the plan to design and execute the project within the project budget.*

***Goal/Objective 3:** Provide Construction Contract Administration Services with competent professionals that ensure the project is constructed and functions as designed.*

Project Plan

Project Overview

The West Virginia Department of Natural Resources (WVDNR) proposes to construct a new 200-yard rifle shooting range with comprehensive supporting infrastructure at the Sleepy Creek Wildlife Management Area.

Project Scope

Primary Infrastructure Components

1. **Rifle Range**
    - 200-yard shooting range
    - Precise lane configuration
    - Safety berms and backstops
    - Target management systems
2. **Access and Support Infrastructure**
    - Road Upgrade (Approximately 1 mile of existing access road)
    - Gate Access Improvement
    - Rangemaster Office/Building
    - Permanent Restroom/Pit Toilet
    - Water Service Installation
    - Electrical Services (¼ mile from Shockey Knob trailhead)
    - Emergency Cell Service Booster

Site – Specification Considerations for West Virginia Wildlife Management Area

Environmental Integration

1. **Wildlife Preservation**
   - Minimal ecosystem disruption
   - Wildlife corridor maintenance
   - Native vegetation protection
   - Seasonal construction timing to reduce wildlife impact

2. **Terrain Adaptation**
   - Leverage natural topographical features
   - Minimally invasive site preparation
   - Erosion control specific to Appalachian Mountain terrain
   - Drainage management considering local watershed characteristics

Unique Challenges and Solutions

- **Wildlife Interaction:** Seasonal work restrictions
- **Terrain Complexity:** Specialized construction techniques
- **Regulatory Compliance:** Proactive engagement with local authorities
- **Minimal Disruption:** Carefully phased implementation

Risk Mitigation

- Environmental compliance monitoring
- Regular safety inspections
- Continuous stakeholder communication
- Flexible scheduling to accommodate potential delays

Recommended Immediate Actions

1. Detailed topographical and ecological survey
2. Engage with local wildlife management authorities
3. Develop comprehensive environmental impact assessment
4. Initiate permit acquisition process
5. Begin preliminary design

Detailed Component Design

1. *200-Yard Rifle Range*

Technical Specifications:

- **Range Configuration**
  - Multiple shooting positions
  - Adjustable target systems
  - All-weather shooting stations
  - Advanced ballistic containment
- **Environmental Considerations**
  - Sound-dampening design
  - Minimal visual impact
  - Wildlife-friendly infrastructure

2. *Access Road Improvement (1 Mile)*

Design Criteria:

- **Road Specifications**
  - Reinforced aggregate surface
  - All-weather accessibility
  - Minimal forest intrusion
  - Wildlife crossing considerations
- **Drainage and Erosion Management**
  - Mountain terrain-specific culvert systems
  - Native vegetation stabilization
  - Minimal land disturbance

3. *Office Building and Facilities*

Design Philosophy:

- **Sustainable Integration**
  - Low-profile construction
  - Natural material selection
  - Energy-efficient design
  - Minimal forest footprint
- **Functional Spaces**
  - Registration area
  - Safety briefing room
  - Equipment storage
  - Restroom facilities

4. *Infrastructure Considerations*

1. **Electrical Power**
    - Grid connection with solar supplement
    - Backup generator system
    - Distributed power points
    - Low-impact installation
2. **Communication Enhancement**
    - Discrete cell service booster
    - Multiple frequency support
    - Emergency communication priority
    - Minimal visual interference

5. *Communication and Transparency*

- Regular stakeholder updates
- Community engagement
- Open dialogue with wildlife management officials
- Transparent progress reporting

Project Strategy for Minimal Disturbance and Efficient Execution

Phased Implementation Approach

1. **Pre-Construction Phase**
   - Conduct comprehensive environmental impact assessment
   - Obtain necessary permits from local and state authorities
   - Develop detailed site survey and geotechnical investigation
   - Create precise construction sequencing plan

2. **Existing Pistol Range Continuity Strategy**
   - Develop a detailed construction phasing plan to:
     - Minimize operational disruptions
     - Maintain existing pistol range functionality
     - Create physical and acoustic barriers during construction
     - Establish alternative temporary access routes
     - Implement noise mitigation techniques

3. **Budget Management Strategies**
   - Competitive Bidding Process
     - Develop comprehensive, clear bid specifications
     - Solicit contractor proposals
     - Evaluate bids on value engineering principles
   - Cost Control Mechanisms
     - Establish firm fixed-price contract with performance incentives
     - Include contingency budget (10-15%) for unforeseen circumstances
     - Regular cost tracking and reporting
     - Value engineering workshops with the selected contractor

4. **Schedule Acceleration Techniques**
   - Critical Path Method (CPM) scheduling
   - Parallel work streams
   - Long-lead items, procurement in advance
   - Incentivize early completion clauses in contract
   - Comprehensive permit pre-approval process
   - Modular construction techniques where applicable

Detailed Workstream Breakdown

1. **Site Preparation (4-6 weeks)**
   - Environmental clearance
   - Preliminary site grading
   - Utility marking and preliminary infrastructure

2. **Road and Access Improvement (6-8 weeks)**
   - Road widening and surface upgrading
   - Gate replacement and access control systems
   - Drainage improvements

3. **Utility Installation (4-6 weeks)**
   - Electrical infrastructure
   - Water service
   - Cell service booster installation

4. **Building Construction (8-10 weeks)**
   - Rangemaster office
   - Permanent restroom/facilities
   - Utility connections

5. **Rifle Range Construction (10-12 weeks)**
   - Earthwork and berm construction
   - Target systems installation
   - Safety infrastructure
   - Final grading and surface preparation

Operational Continuity

Advanced Operational Protection Protocols

1. **Physical Separation Techniques**
    - Acoustic Isolation Measures
        - Advanced sound barrier technologies
        - Strategically placed noise-dampening structures
        - Vibration isolation techniques
    - Visual and Physical Barriers
        - Temporary screening
        - Controlled access zones
        - Minimal intrusion design

2. **Operational Continuity Monitoring**
    - Real-time Impact Assessment
        - Continuous noise level monitoring
        - Vibration impact tracking
        - User experience feedback mechanisms
    - Communication Infrastructure
        - Dedicated communication channels
        - Regular user updates
        - Transparent progress reporting

3. **Adaptive Construction Methodology**
    - Flexibility in Construction Approach
        - Dynamic scheduling
        - Rapid response to operational constraints
        - Minimal disruption protocols
    - User-Centric Construction Management
        - Scheduled low-impact construction periods
        - Weekend and off-peak hour work
        - Predictive disruption management

Budget Optimization Strategies

Comprehensive Cost Reduction Approach

1. **Procurement and Contracting**
    - Competitive Bidding Optimization
        - Conduct thorough market research
        - Develop comprehensive, clear bid specifications
        - Create multi-tier bidding process
        - Implement value engineering workshops
    - Contracting Strategies
        - Negotiate fixed-price contracts with performance incentives
        - Include early completion bonuses
        - Develop shared-savings mechanisms
        - Utilize local and state-level procurement advantages

2. **Design and Engineering Efficiency**
    - Modular Design Approach
        - Standardize building and range components
        - Leverage prefabrication techniques
        - Reduce custom fabrication costs
        - Minimize on-site construction time
    - Material Cost Optimization
        - Local material sourcing
        - Bulk purchasing agreements
        - Sustainable and cost-effective material selection
        - Reuse of existing infrastructure where possible

3. **Resource and Labor Optimization**
    - Workforce Efficiency
        - Utilize local workforce to reduce mobilization costs
        - Implement multi-skilled team approach
        - Develop comprehensive training programs
        - Optimize shift management
    - Equipment and Technology
        - Lease vs. purchase analysis
        - Share equipment across project phases
        - Utilize advanced project management software
        - Implement real-time cost tracking

4. **Additional Means to Control and/or Reduce Project Cost (Specific to Project Component)**
    1. **Road Upgrade**
        - Optimization Strategies:
            - Utilize existing road base where possible
            - Implement phased upgrade approach
            - Negotiate with local contractors

    2. **Range Construction**
        - Optimization Strategies:
            - Modular range design
            - Standardized safety infrastructure
            - Local material sourcing
            - Efficient earthwork techniques

    3. **Facilities and Utilities**
        - Optimization Strategies:
            - Prefabricated building components
            - Energy-efficient design
            - Shared utility infrastructure
            - Streamlined utility connections

    4. **Contingency Management**
        - Optimization Approaches:
            - Detailed risk assessment
            - Proactive risk mitigation
            - Flexible contingency allocation
            - Performance-based contingency reduction

Timeline Compression - Enhanced Strategies

Advanced Acceleration Techniques

1. **Hyper-Efficient Project Staging**
    - Micro-Phased Construction Approach
        - Granular work breakdown
        - Simultaneous multi-location work
        - Just-in-time resource allocation
    - Critical Path Optimization
        - Advanced scheduling algorithms
        - Predictive bottleneck identification
        - Continuous timeline reassessment

2. **Technology-Driven Acceleration**
    - Digital Project Management
        - AI-assisted scheduling
        - Real-time progress tracking
        - Predictive performance modeling
    - Advanced Prefabrication
        - Off-site component manufacturing
        - Modular infrastructure development
        - Rapid on-site assembly techniques

3. **Resource Optimization**
    - Multi-Skilled Workforce Deployment
        - Cross-functional team training
        - Flexible skill allocation
        - Continuous skill development
    - 24/7 Project Potential
        - Carefully managed shift work
        - Technological oversight
        - Safety-first approach

Conclusion

A meticulously planned approach that prioritizes:

- Recreational user experience
- Environmental stewardship
- Operational continuity
- Sustainable infrastructure development

ORGANIZATIONAL CHART

PROJECT MANAGER
CTL
Jimmy Wriston, P.E.

QUALITY CONTROL
CTL
Alanna Keller, P.E.

DESIGN, SPECIFICATIONS & BIDDING

- CTL
  Aaron Crank, P.E.
  Joe Stanley
  Chris Mitchell, ASLA
- NREI
  Jessie Parker, Jr. P.E.
  Eric Hartwell, P.E.

SURVEYING

- NREI
  Charles Kurzyna, P.E.

ENVIRONMENTAL/ PERMITTING

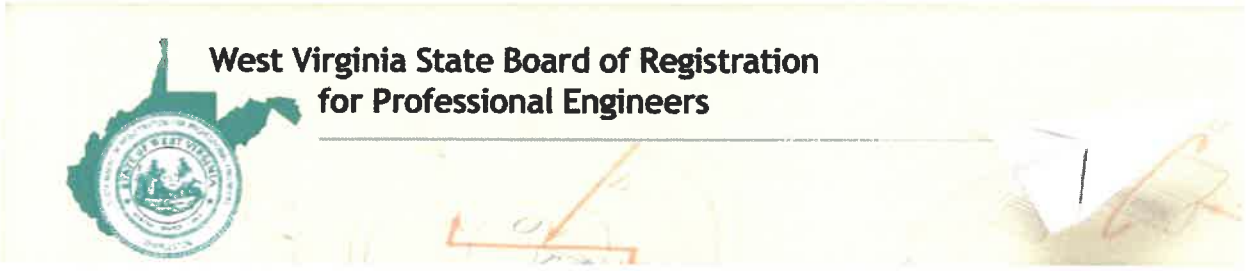
- NREI
  Eric Hartwell, P.E.

CONSTRUCTION INSPECTION

- CTL
  Greg Kronstain, P.E.
- NREI
  Chris Burford

SECTION 4 –

STAFFING CAPABILITIES & RESUMES



Name	Address	City	State	Zip	License #	Status	Expiration
CRANK, THOMAS AARON, II	208 TIMBER TRAIL ROAD	CHARLESTON	WV	25304	025399	Active	12/31/2026

Name	Address	City	State	Zip	License #	Status	Expiration
HARTWELL, ERIC T.	1514 ANGEL FORK ROAD	SAINT ALBANS	WV	25177	015064	Active	12/31/2026

Name	Address	City	State	Zip	License #	Status	Expiration
KELLER, ALANNA J.	40 COVENTRY ROAD	SOUTH CHARLESTON	WV	25309	014979	Active	12/31/2026

Name	Address	City	State	Zip	License #	Status	Expiration
KURZYNA, CHARLES B.	120 HOWARD AVE.	BECKLEY	WV	25801	010634	Active	12/31/2026

Name	Address	City	State	Zip	License #	Status	Expiration
PARKER, JESSIE O., JR	501 EAGLE MOUNTAIN ROAD	CHARLESTON	WV	25311	017735	Active	12/31/2026

Name	Address	City	State	Zip	License #	Status	Expiration
WRISTON, JIMMY	249 WRISTON ROAD	MOUNT HOPE	WV	25880	015447	Active	12/31/2026

Search: Details

Legal Name:	CTL ENGINEERING OF WV, INC.
WV Company COA:	**COA Number:** C00103
	COA Status: Active
	COA Issue Date: 09/09/1993
	COA Expiration Date: 12/31/2025
Primary Address of Record:	1091 CHAPLIN ROAD MORGANTOWN, WV 26501
Engineer In Responsible Charge:	COIMBATORE K. SATYAPRIYA
	PE License Number: 012461
	PE License Status: Active
	PE License Expiration: 12/31/2026

Search: Details

Legal Name:	NEW RIVER ENGINEERS, INC.
WV Company COA:	**COA Number:** C01007
	COA Status: Active
	COA Issue Date: 05/27/1997
	COA Expiration Date: 12/31/2025
Primary Address of Record:	501 EAGLE MOUNTAIN ROAD CHARLESTON, WV 25311
Engineer In Responsible Charge:	JESSIE O. PARKER, JR
	PE License Number: 017735
	PE License Status: Active
	PE License Expiration: 12/31/2026

Jimmy Wriston, P. E. CTL Engineering, Inc.

Education Graduated Magna Cum Laude from West Virginia Tech with a Bachelor of Science in Civil Engineering, May 1996.

Areas of Expertise

Experience District Bridge Design Engineer: District Nine, West Virginia Department of Transportation, September 1996. Evaluated bridge conditions. Prepared load ratings. Developed bridge repair and replacement plans. Served as lead engineer for 2001 flood recovery replacing sixteen bridges in seventeen days with state forces and providing oversight of sixty-one flood projects completed in four months.

Regional Project Engineer: Engineering Division, West Virginia Department of Transportation, October 2004. Provided technical expertise to the research program. Led task force that discovered the cause of longitudinal cracking of bridge decks and implemented the solution. Managed bridge replacement projects. Awarded Engineering Division Employee of the Year.

Special Programs Engineer: Secretary of Transportation's Office, West Virginia Department of Transportation, February 2009. In charge of numerous emergency incidents such as rock falls on I-77 and WV 3, as well as gas line explosion on I-77 which was repaved overnight and reopened the next morning. Provided studies, advice, troubleshooting and problem solving to the Secretary of Transportation.

Deputy Secretary of Transportation and Deputy Commissioner of Highways: Secretary of Transportation's Office, West Virginia Department of Transportation, April 2019. Moved agency to data-driven decision making by implementing performance management metrics for all operations and procedures. Led delivery of Roads to Prosperity program and Secondary Roads Initiative projects. Implemented new technologies and systems. Changed culture of Department of Transportation to empower employees to complete the work through proper tools, planning, and implementation.

West Virginia Secretary of Transportation and Commissioner of Highways: West Virginia Department of Transportation, October 2021 to January 2025. Tasked with successfully executing the largest investment in infrastructure in the history of West Virginia, which required leveraging every dollar of funding available to complete thousands of projects. Focused on data-driven decision making, innovative engineering and design, asset management, building the health and long-term stability of the agency, fostering a culture of accountability, transparency and capability on every level of the organization and facing the task head on to catch up on decades of underinvestment in roads and bridges. Focused on making systemic changes necessary for the agency to function as a whole and implemented the vision of One DOT where Highways, Multimodal, Parkways Authority and Division of Motor Vehicles work together in service to West Virginia.

As Secretary, he led a dramatic transformation in the performance and accountability of the sixth largest highway system in the nation. Mr. Wriston's extensive experience, keen understanding of governmental relations at the federal, state and local levels and visionary leadership are unique and he is well known throughout the country as a leader in the following areas:

Surface Transportation Policy at the State and Federal Level, demonstrated leadership in crafting transportation policies for WV, the Region, and the Nation

Highway Finance Strategies and Opportunities, utilized innovative approaches to leverage funding sources and creating budgets that optimized appropriation categories

Performance-Based Management of Assets, developed metrics for all operations that ensured transparency, accountability, and real time decision making

Operational Analysis and Enhancements, employed strategies to improve efficiencies

Project Development and Community Engagement, designed projects, managed the development of projects and overseen the construction of projects, forged excellent working relationships with the relevant partners in industry and municipalities

Planning for Programmatic Funding, created 10 year plans for major highway programs, including bridges, paving, slip/slide repairs

Effective Communication Strategies, Disaster Planning, Response and Recovery, improved processes and procedures as well as provided leadership on the ground during incident management.

Alanna J. Keller, P. E.
Principal

Professional Engineer, Ohio, 68006
Professional Engineer, West Virginia, 14949

Ms. Keller joined CTL Engineering, Inc. (CTL) in 2025 as Principal, managing the Charleston, West Virginia (WV) office and overseeing the Transportation Sector in WV. She comes to us with over 27 years of diverse experience in transportation, infrastructure, and environmental. Ms. Keller holds a Master of Science in Civil Engineering from West Virginia University (1998) and a Bachelor of Science in Civil Engineering from West Viriginia Institute of Technology (1996). Prior to joining CTL, Ms. Keller was appointed and served as the Deputy Secretary of Transportation/Deputy Commissioner of Highways for the West Virginia Department of Transportation/Division of Highways from February 2023 to January 2025. In this role, Ms. Keller served as second in command being responsible for 5,000+ employees and the operations of the WV Department of Transportation (WVDOT), which is comprised of the Division of Highways (DOH), Division of Motor Vehicles, Division of Multimodal Transportation Facilities (DMTF), and the Parkway Authority. DOH is responsible for the 6th largest roadway system in the country – over 36,000 miles and more than 7,200 bridges. Since April 2009, Ms. Keller has worked for the WVDOT, with a break in employment from March 2016 to November 2018 when she worked for the WV Department of Environmental Protection, Division of Air Quality. Prior to her role as Deputy Secretary/Deputy Commissioner, Ms. Keller was Chief Engineer, Special Programs; Interagency Engineering Coordinator; DOH's representative to the eight (8) metropolitan planning organizations (MPOs) in WV; responsible for the development of the Statewide Transportation Improvement Program (STIP); and directed the implementation of the Safety with Action Today (SWAT) Program. As Interagency Engineering Coordinator, Ms. Keller worked closely with DMTF and trail managers. Prior to joining state government, Ms. Keller worked as a Project Manager for Burgess & Niple, Inc. from July 1998 to March 2009. She was responsible for water, wastewater, environmental and site development projects for all phases from the initial study to construction.

Aaron Crank, P. E.
Project Engineer

Mr. Crank joined CTL Engineering, Inc. (CTL) in 2025 as a Transportation Project Engineer, managing the West Virginia (WV) transportation sector projects. He joins CTL with seven (7) years of experience in transportation, infrastructure and traffic management. Mr. Crank holds a Bachelor of Science in Civil Engineering from West Viriginia Institute of Technology (2018). Prior to joining CTL, Mr. Crank was the Transportation Designer at The Thrasher Group working on several diverse projects.

Mr. Crank was the lead designer for the following projects:

- Two (2) sections of the King Coal Highway project in Mercer County, including roughly nine (9) miles of new divided highway (From 2023-2025).
- The Benedum Drive Road Widening project in Harrison County, involving the widening and realignment of roughly 3.5 miles of existing roadway and extensive utility realignment (From 2022-2025).
- The Harmony Grove Interchange Design Study project in Monongalia County, involving development of preliminary interchange alternative designs, preparation of a design study report, and the interchange justification report (IJR) (From 2021-2024).
- The Coalfields Expressway project in Mercer County, including roughly five (5) miles of new divided highway (From 2018-2021).

Mr. Crank worked with the City of Clarksburg on their proposed extension and connection of the Harrison North Rail Trail, as part of the Parkersburg to Pittsburgh (P2P) rail trail system. Mr. Crank was responsible for putting together a proposed set of plans, which included two (2) miles of additional rail trail, two (2) pedestrian bridges (one crossing the West Fork River and another crossing Limestone Run, a tributary of West Fork River.), and a trail head including parking for users of the trail system. This section of the trail was a connection between two (2) already acquired and rehabilitated railways (2023).

Mr. Joseph Stanley

Client Manager
Project Manager
Business Development Manager

Mr. Joe Stanley currently serves as the Business Development Manager and a client manager for select clients in the Morgantown, West Virginia office of CTL Engineering, Inc. His responsibilities as a project manager include assisting in the planning and design of civil site design projects involving land planning and site development aspects. His projects vary from commercial and residential properties, mine and energy sites, and also includes state, county, and local roads.

Mr. Stanley has shown his dependability and increased his depth of experience by working with several of his clients for years during the long term development of commercial property developments. He has worked closely with the client, contractors, and developers of these long term projects. As with most of West Virginia, a large number of these developments were once on mine property if not once mined. He is familiar with the assets and potential difficulties of developing sites and long term planning in West Virginia.

Education
A.S. Drafting and Design
Fairmont State College, Fairmont West Virginia 2001

Technical Programs
AutoCad
Civil 3D

Professional Registration / Certification
Advanced GPS Training Course

CTL Project Experience

CTL Engineering of West Virginia, Inc., Morgantown, WV (May 2000 – Current)

As a project manager, Mr. Stanley is responsible for being a primary client contact and coordinator for our team with all interested parties. He maintains relationships with the contractors, developers, and regulatory agencies promoting open communication and prompt management of complications. His experience as a Surveyor, CAD Designer, Project Manager, and Staff Engineer enables him to advise and handle changes in a timely manner.

Infrastructure Development

CTL Engineering used the latest GPS technologies to develop accurate plans of the current conditions. The plans were then made for the various requirements of the projects. In some cases, the existing road conditions were just widened, and in other cases grading and access needs had to be changed to allow for current and future development.

Infrastructure Development (continued)

Dorsey Knob Park Road Improvements, Morgantown, West Virginia
Country Road 5/5 Relocation, Logan County, West Virginia
Morgantown Airport Alternative Access Road, Morgantown, West Virginia
Charles Point Roadway Cut Evaluation, Harrison County, West Virginia
Osage Bridge, Monongalia County, West Virginia

Mining

CTL Engineering is responsible for improving the safety, landscape, and water quality for abandoned mine lands. We develop plans to use the spoil and old stock piles available on site for slopes and regrading enabling seeding of the land as well as improving safety. CTL is also engaged to develop plans for sealing open mines while allowing for water drainage and ensuring bat habitats.

Fairmont Subsidence – Abandoned Mine Land Reclamation, Marion County, West Virginia
Morgantown Anderson Highwalls – Abandoned Mine Land Reclamation Design, Monongalia County, West Virginia
Shinns Run Portals – Abandoned Mine Land Reclamation & Portal Closure, Harrison County, West Virginia
Hopewell Church Refuse – Abandoned Mine Drainage, Preston County, West Virginia
Peninsula Highwalls – Abandoned Mine Land Reclamation, Monongalia County, West Virginia
Cheat Neck Landslide, Monongalia County, West Virginia

Energy

CTL Engineering developed plans for grading, clean water ditches, leachate collection, and also calculated volumes for ponds.
Harrison Power Station, Harrison County, West Virginia
Overland Conveyor Permitting, Monongalia County, West Virginia
Harrison Power Station Landfill, Harrison County, West Virginia
Longview Power Plant, Monongalia County, West Virginia
Pleasant Power Station, Pleasant County, West Virginia

Community and Municipal Development

CTL Engineering was involved in the planning for the current use and future development of these longer term projects. CTL created civil site plans, located utilities, worked on access roads, and also developed stormwater management plans.

Commercial Development, Monongalia County, West Virginia
University Park, Morgantown, West Virginia
Student living facilities in conjunction with West Virginia University.
Hornbeck Road Development, Morgantown, West Virginia
Residential planned community.
University Town Centre, Morgantown, West Virginia

Mr. Christopher Mitchell

CAD Designer
Civil Site Design Department

Chris Mitchell serves as a CAD and Civil Site designer for municipal, commercial and private developer projects throughout our area. The design services he provides include layout plans, grading plans, and storm water plans, as well as 3D modeling. He is also involved in the permitting process for the sites designed.

Mr. Mitchell's experience as a CAD Designer enables him to explain concepts and ideas to clients, as well as modify plans for the client's specific needs. He is adept at evaluating current conditions of a site to make them more self-sustainable increasing performance, optimizing profits, and reducing costs. He is a respected member of our Design Team and is willing to stay until a task is finished.

Education

B.S. Landscape Architecture
West Virginia University, Morgantown, West Virginia 2011

Technical Programs

AutoCad Civil 3D
SketchUp
Photoshop
InDesign
ArcGIS
LandFX

Professional Registration / Certification

American Society of Landscape Architects

Professional Experience

3D Modeling Independent Contractor
Responsible for creating 3D models of high end homes from Architectural Blueprints

Landscape Architecture Intern – Rich Farms
Responsibilities included restructuring design ideas to provide more eco-friendly and self-sustainable landscapes, consulting and advising clients, providing estimates, and working on the installation crew.

CTL Project Experience

CTL Engineering of West Virginia, Inc., Morgantown, WV (April 2013 – Current)

As a CAD Designer, Mr. Chris Mitchell is responsible for Stormwater Management Plans, Civil Site Design, Grading and Drainage Plans, Site Analysis, Planting Plans, Composite Analysis, Lynch Diagrams, Landscape Designs, Land Use Planning and Development, Hand Rendering, and Site Plans.

Community and Infrastructure Development

Homewood Suites, *Harrison County, West Virginia*
Civil site design for a proposed extended stay hotel including grading plans, site utility planning, Stormwater design, and a 3D site model.

University Place, *Morgantown, West Virginia*
Design and construction of a new student housing complex for West Virginia University in partnership with the developer and West Virginia University including stormwater management planning, bio-retention cell sizing and installation, and a utility coordination plan.

Boyers Avenue Streetscape Revitalization and Street Widening, *Monongalia County, West Virginia*
Street widening with sidewalk plan addition, stormwater design, and utility plan.

Mon General Medical Park Development and Maple Drive Widening, *Morgantown, West Virginia*
CTL Engineering was responsible for the redesign and permitting of Maple Drive. CTL was retained to develop plans and specifications in coordination with the WVDOT to widen 1,400 feet of the existing Maple Drive from a narrow two lane road to a 22' road with a sidewalk. The project also included a new stormwater system and the coordination and design for the relocation of all existing overhead utilities to underground lines. CTL also provided documents and staff support throughout the bidding process.

University Town Centre, *Morgantown, West Virginia*
Civil Site Design for several proposed restaurants and commercial properties within an established shopping plaza, grading of sites, site utilities, and stormwater design.

Hornbeck Road Residential Development, *Morgantown, West Virginia*
CTL Engineering was responsible for surveying, site layout, stormwater calculations, compaction testing, permitting, mapping, and installation of a sewage treatment plant for a planned community of single family homes.

Commercial Land Development, *Westover, West Virginia*
Civil site design, site analysis, building layout, parking layout, grading plans, site utilities, stormwater design, 3D modeling of site.

Nationwide Chain Restaurant, *Sabraton, West Virginia*
Responsible for the site grading plan and landscaping design, site utilities, and stormwater design.

Mon Health Systems Clinic, *Fairmont, West Virginia*
CTL Engineering was responsible for the grading plan, stormwater design, site plan, retaining wall design, and site lighting. CTL coordinated with the City of Fairmont for permitting and zoning requirements for the new facility. We were also responsible for the Landscape Design.

Natural Gas Drill Pads – Various Counties, Ohio 2013-2015

Responsible for designing useable potential site locations for drill pads and access roads, grading plans, road easements, permits, and balancing earthwork quantities utilizing surveys and topographic maps.

Gregory Kronstain, P.E. - Construction Manager

WVTRET Level V

Summary of Experience

Mr. Kronstain is a Construction Service Line Manager for Construction Administration and Construction Inspection Services for transportation and infrastructure projects. He is responsible for actively managing field and office staff providing construction administration, inspection, and testing services on State, County, and Local transportation, aviation, and utility infrastructure projects in Ohio and West Virginia. He has 37 years of construction experience in the industry. He has worked at the Ohio Department of Transportation in positions ranging from field Project Engineer, District Construction Administrator, and most recently, Capital Programs Administrator. He has managed an $850 million program with over 100 active construction projects. In Construction, his responsibilities included coordinating, managing, and supervising all construction-related activities. His responsibilities in the Construction Department at ODOT included coordination, management, and supervision of all construction-related activities. He has experience with alternative bidding methods, including significant experience with Design-Build projects.

Firm

CTL Engineering, Inc.

Education

Cleveland State University, Master of Business Administration, 1998

Ohio University, B.S. Civil Engineering, 1987

Professional Registration/ Certification/ Affiliations

Professional Engineer, State of Ohio - No.59386

ODOT/ACEC Construction Inspection/ Administration Committee –past sub-committee chair

ACEC OHIO/OTIC Liaison Committee, Member

ABCD Association for Bridge Construction and Design, Past President and Member- Northeast Ohio Chapter

ASCE American Society of Civil Engineers, 30+ years- Member

ASHE American Society of Highway Engineers- Member

ODOT Prequalifications

ODOT Construction Engineer Level 2

Select Relevant Experience with ODOT District 12

ODOT District 12 Capital Programs Administrator

Responsibilities included leading and managing all District Planning, Engineering, and Construction department functions—developed and implemented policies and procedures to allocate all resources efficiently.

ODOT District 12 Construction Administrator for the following significant projects.

Responsibilities included staff administration for coordinating, managing, supervising, and reporting all construction-related activities to ensure successful project completion.

- ODOT CCG2 Cuy-90-14.90 Innerbelt (Design Build), $273M
- ODOT Opportunity Corridor 1 and Opportunity Corridor 2 and 3 (Design Build), $210M
- ODOT Valley View Bridge, CUY- 480- 18.42 (Design Build), $228M
- ODOT CUY/SUM-271-0.00/14.87, $120M

ODOT 060372 CUY-Fulton Road Bridge, Cleveland, Ohio ($50M)

ODOT Project Engineer responsible for all project construction administration duties of a six-span precast post-tensioned segmental concrete arch structure. Includes overhead signing and lighting.

ODOT, Various Construction Inspection Agreements

ODOT District Construction Administrator from 2013 to 2017, overseeing management and administration of all Construction Inspection contracts at the District 12 office.

ODOT District 12 Dispute Resolution Committee-chair
Responsibilities included leading and managing the dispute resolution process by seeking fair and reasonable decisions and resolutions within the bounds of the contract.

Select Relevant Experience with CTL Engineering

WVDOH -Northern Connector +1, US522 Berkeley Springs By-Pass
Greg is currently serving as the Project Manager for Construction Administration and Inspection for this $35M Design-Build project that will begin this season.

ODOT Districts 3, 4, 12 Construction Administration and Inspection Agreements
Greg has served as CTL's Project Manager for various Task Order Agreements to provide Construction Administration and Inspection services throughout ODOT Districts with agreements of $1M to $2M.

Ohio Turnpike and Infrastructure Commission; OTIC Project 43-18-05
Part B – Bridge Replacement of Ohio Turnpike over Mill Creek Bikeway, M.P. 223 Mahoning County, Ohio
Served as the Project Manager for this OTIC Project, Part B. This work consists of removal of the existing twin structures and replacing them with a single precast concrete culvert, placement of asphalt pavement, maintenance of traffic, and all other items incidental to the completion of the Work.

Ohio Turnpike and Infrastructure Commission; OTIC Project 99-23-06
Bridge Repairs (Phase A) State Route 15 over Ohio Turnpike MP 13.2Williams County, Ohio
Served as the Project Manager for this OTIC Project. This work includes structural steel repairs, jacking and temporary superstructure support, removal, and replacement of bridge bearings, MOT, and other incidental work.

LPA Project Experience with CTL Engineering, Inc.

Mahoning County Engineers - MAH-Bridge Rehabilitation/Painting PID 104591
Greg is serving as the project manager for this improvement project that consists of rehabilitating four (4) large-span steel beam structures in Mahoning County. The rehabilitation will include painting the steel, repairing/replacing the expansion joints & bearings, deck repairs, and other miscellaneous structural repairs.

LOR-CR32/53- Middle Ridge Road - Lorain County Engineer's Office - PID 99580
Greg was the Project Manager/Construction Engineer 2 for this intersection improvement project, performing Construction Administration, Construction Inspection, and testing services. The project includes adding signalization, full-depth pavement widening for a left turn lane on West Ridge Road, pavement resurfacing, drainage improvements, signing, and pavement markings.

EDUCATION

Bachelor of Science
Civil Engineering
West Virginia University Institute of Technology

Master of Science
Engineering
Marshall University

CERTIFICATIONS

Environmental Site Assessment
Commercial Real Estate

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

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

Jessie O. Parker, Jr., PE

CEO / Principal 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 of a variety of projects. This experience includes environmental, water supply, wastewater, stormwater and drainage projects. Jessie's responsibilities include planning,design and construction administration.

Jessie 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 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
Civil Engineering
West Virginia University

CERTIFICATIONS

Professional Engineer – WV

PROFESSIONAL AFFILIATIONS

Contractors Association of West Virginia

Eric T. Hartwell, PE

Senior Municipal 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.

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

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.

NEW RIVER NREI ENGINEERS, INC.

EDUCATION

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

CERTIFICATIONS

Certified Underground Coal Miner

Certified Surface Coal Miner

MSHA Certified Limited Instructor

MSHA Certified Gravimetric Dust Sampling

MSHA Certified Gravimetric Dust Calibration & Maintenance

Safe Land USA PEC Safety

MSHA – Methane / Oxygen Deficiency Qualified

APNGA Portable Nuclear Gauge Safety & USDOT Hazmat Certified #299-160-926-311

APNGA Certificate of Achievement, Radiation Safety Officer Class #299-160-994-3161

Heartsaver First Aid, CPR & AED Certified

PROFESSIONAL AFFILIATIONS

Contractors Association of West Virginia

West Virginia Rural Waters Association

West Virginia Coal Association

Friends of Coal Association

Christopher D. Burford

COO / Project Manager

Chris has been with NREI for over 15 years. As a Project Manager, he oversees surface and underground mining permit applications, is the manager of surveying crews, manages State and Federal safety plans and permits, oversees construction oversight and construction management and mine planning.

Green and Associates, LLC, St. Clairsville OH – manager and supervisor of survey crews and office personnel, business development, and coordination with clients on various projects.

New River Safety, LLC – manager and supervisor of safety instructors, electrical inspectors, and office personnel, business development and coordination with clients and government entities.

Ellison Ridge Mining, LLC – management and oversight of various sub-contractors over mining, reclamation and civil site construction projects, business development, and coordination with clients and government entities.

SECTION 5 –

PRIOR EXPERIENCE & REFERENCES

While serving as Special Projects Engineer for the West Virginia Department of Transportation (WVDOT), a current CTL employee, Jimmy Wriston, P.E., was actively involved in improvements to an existing gun range.

Gun Range, Raleigh County

The gun range project was completed in 2018. This project was a collaborative effort between the WVDOT, the West Virginia State Police, the City of Beckley, and Raleigh County Commission. With the completion of a new section of 4-lane roadway for the Beckley By-Pass project, it was not feasible to utilize the existing gun range facility without modifications. The project included the installation of screening to prevent a sight window, obstructing the view of drivers to the range; and an adequate backstop to permit law enforcement to be able to begin use of the facility again safely. The range is currently open for law enforcement and public use.

Reference: Colonel Jack Chambers, WV State Police, 725 Jefferson Road, South Charleston, WV 25309; (304) 746-2115

Instrumental projects built in West Virginia by current CTL staff, Jimmy Wriston, P.E. and Alanna Keller, P.E., when they served as WVDOT/DOH Secretary/Commissioner and Deputy Secretary/Commissioner:

New River Gorge National Park and Preserve, Fayette County

The parking facility was completed in the spring of 2024. The project was planned, designed, permitted, and constructed by West Viriginia Division of Highways (WVDOH) State Forces in conjunction with the WV Department of Tourism and the National Park Service to provide safe parking and a launching area for hiking and biking on the National Park trail system. The new parking facility alleviated the practice of trail users from parking alongside a heavily traveled, narrow roadway. In addition, a new section of trail was constructed, connecting the parking facility with the existing trail system. To ensure the project remained on schedule and within budget, WVDOH State Forces were utilized to construct these improvements.

Reference: Chelsea A. Ruby, WV Department of Tourism, Cabinet Secretary; Building 300, Suite 100, Capitol Complex, 1900 Kanawha Blvd. E, Charleston, WV 25305; (304) 558-2200; Chelsea.A.Ruby@wv.gov

Babcock State Park, Fayette County

The project was completed in the spring of 2023. The Babcock Trail was designed, permitted, and constructed by West Virginia Division of Highways (WVDOH) State Forces in conjunction with the West Virginia Department of Tourism, West Virginia Division of Natural Resources (WVDNR), local State Park management, the National Park Service, and the Governor's Office. The project consisted of five (5) miles of newly constructed trail, a mainline bridge, pedestrian bridges, stairways and overlooks to access fishing spots. Multiple piling walls and rock buttresses for slip/slide repairs were installed. The ribbon cutting for the project was held during a trout stocking operation by the WVDNR in the shadow of the historic Babcock Grist Mill. The new five (5) mile trail connects Babcock State Park to the nation's newest National Park, the New River Gorge National Park and Preserve. To ensure the project remained on schedule and within budget, WVDOH State Forces were utilized to construct these improvements.

Reference: Chelsea A. Ruby, WV Department of Tourism, Cabinet Secretary; Building 300, Suite 100, Capitol Complex, 1900 Kanawha Blvd. E, Charleston, WV 25305; (304) 558-2200; Chelsea.A.Ruby@wv.gov
Brett W. McMillion, WV Division of National Resources, Director; 324 4th Avenue, South Charleston, WV 25303; (304) 558-6200; Brett.W.McMillion@wv.gov

New River Engineering, Inc. (NREI) projects:

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

Planning, design, geotechnical, estimating, and construction management of 160 LF of H-Pile wall, a 40 LF H-Pile wall, Replacement of three 18" culverts, Paving of approx. 2,800 LF of Elk River Trail, and replacement of 105 LF of 36" HDPE storm pipe. Project cost approx. $1.85 million.

Reference: Jeff Hutchinson, Executive Director, Kanawha County Parks and Recreation, 375 Henry C Hoppy Shores Drive, Charleston, WV 25302, 304-341-8000, jeff@kcprc.com



Town of Ansted, Gauley Mountain Bike Trail

Project is currently in the preliminary stages with bike route layout with future plans of full bike trail with restrooms and scenic overviews to connect to other area bike trails

Reference: Siobhan Wilson, Municipal Clerk, Town of Ansted, 30 Rick Creek Road, Ansted, WV 25812, 304-658-5901, s.wilson@townofansted.onmicrosoft.com

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

Located on Ansted bike trail, below Hawks Rail-Trail, NREI designed deck replacement and substructure repair. Previous decking had deteriorated so NREI completed deck design with railings. This project is currently at 30% design and awaiting State review. Project cost is $175,000.

Reference: Siobhan Wilson, Municipal Clerk, Town of Ansted, 30 Rick Creek Road, Ansted, WV 25812, 304-658-5901, s.wilson@townofansted.onmicrosoft.com

City of Madison, Rucker Branch & Greenbrier Land Trail, Boone County

NREI provided grant writing services, GIS data and preliminary concept mapping to complete and submit grant applications with conceptual plans.

Reference: Steve Byus, Emergency Management Director, City of Madison, 255 Washington Ave, Madison, WV 25130, 304-369-2762, sbyus@madisonwv.org

Paint Creek Recreational Trail, Slip Repairs, Ross County, Ohio

This 32 mile trail is undergoing slip and erosion repairs with this current project (slip 31) designed with 12-18 foot Gabion retaining wall to be backfilled and rip-rap will be installed up and down the stream. The trail remains open during repairs.

Reference: Erin Stanley, Project Development/Grant Coordinator, Ross County Park District, 15 N Paint St #301, Chillicothe, OH 45601, 740-773-8794, erinstanley@rosscountyohio.gov