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Header @ 1

List View

General Information Contact Default Values Discount Document Information Clarification Request

Procurement Folder: 1717524

Procurement Type: Central Purchase Order

Vendor ID: 000000180928

Legal Name: CIVIL & ENVIRONMENTAL CONSULTANTS INC

Alias/DBA:

Total Bid: \$0.00

Response Date: 06/26/2025

Response Time: 15.00

Responded By User ID: kevinhanks

First Name: Kevin

Last Name: Hanks

Email: khanks@cecinc.com

Phone: 2676085593

SO Doc Code: CEOI

SO Dept: 0310

SO Doc ID: DNR2500000004

Published Date: 6/13/25

Close Date: 7/1/25

Close Time: 13:30

Status: Closed

Solicitation Description: A&E - French Creek WMA Wildlife Fence

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: 1717524
Solicitation Description: A&E - French Creek WMA Wildlife Fence
Proc Type: Central Purchase Order

Solicitation Closes	Solicitation Response	Version
2025-07-01 13:30	SR 0310 ESR06262500000007820	1

VENDOR
 000000160928
 CIVIL & ENVIRONMENTAL CONSULTANTS INC

Solicitation Number: CEOI 0310 DNR2500000004
Total Bid: 0
Response Date: 2025-06-26
Response Time: 15:00:28
Comments:

FOR INFORMATION CONTACT THE BUYER

Joseph (Josh) E Hager III
 (304) 558-2306
 joseph.e.hageriii@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	Civil engineering				0.00

Comm Code	Manufacturer	Specification	Model #
81100000			

Commodity Line Comments:

Extended Description:

Design and Contract Administration of French Creek WMA Protection Fencing New Construction.



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: 1717524			Reason for Modification:
Doc Description: A&E - French Creek WMA Wildlife Fence			
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Date Issued	Solicitation Closes	Solicitation No	Version
2025-06-13	2025-07-01 13:30	CEOI 0310 DNR2500000004	1

BID RECEIVING LOCATION

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

VENDOR

Vendor Customer Code: 000000160928
Vendor Name : Civil & Environmental Consultants, Inc.
Address : 3574 Teays Valley Road
Street :
City : Hurricane
State : WV **Country :** USA **Zip :** 25526
Principal Contact : David Gilmore, PLA
Vendor Contact Phone: 304-933-3119 **Extension:**

FOR INFORMATION CONTACT THE BUYER

Joseph (Josh) E Hager III
 (304) 558-2306
 joseph.e.hageriii@wv.gov

Vendor
 Signature X

FEIN# 25--99565

DATE 6-27-2025

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) David Gilmore, PLA - Principal

(Address) 3574 Teays Valley Road · Hurricane, WV 25526

(Phone Number) / (Fax Number) 304-933-3119 / 304-933-3327

(email address) dgilmore@cecinc.com

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.

Civil & Environmental Consultants, Inc.

(Company) 

(Signature of Authorized Representative)

David Gilmore, PLA - Principal

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

304-933-3119 / 304-933-3327

(Phone Number) (Fax Number)

dgilmore@cecinc.com

(Email Address)

ADDENDUM ACKNOWLEDGEMENT FORM
SOLICITATION NO.: DNR2500000004

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)

- | | |
|---|--|
| <input type="checkbox"/> Addendum No. 1 | <input type="checkbox"/> Addendum No. 6 |
| <input type="checkbox"/> Addendum No. 2 | <input type="checkbox"/> Addendum No. 7 |
| <input type="checkbox"/> Addendum No. 3 | <input type="checkbox"/> Addendum No. 8 |
| <input type="checkbox"/> Addendum No. 4 | <input type="checkbox"/> Addendum No. 9 |
| <input type="checkbox"/> Addendum No. 5 | <input type="checkbox"/> 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.

Civil & Environmental Consultants, Inc.

Company



Authorized Signature

06/27/2025

Date

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



Civil & Environmental Consultants, Inc.



WEST VIRGINIA DIVISION OF NATURAL RESOURCES

**A&E - FRENCH CREEK WMA WILDLIFE FENCE
CEOI 0310 DNR250000004**

CEC | CHARLESTON
Project 354-161
June 27, 2025



June 27, 2025

Joseph Hager, Buyer
Department of Administration
Purchasing Division
2019 Washington Street East
Charleston, WV 25305

Dear Mr. Hager and Members of the Selection Committee:

Subject: Expression of Interest – French Creek WMA USDA Wildlife Protection Fence
(Solicitation No. CEOI 0310 DNR2500000004)
CEC Project 354-161

Civil & Environmental Consultants, Inc. (CEC), is pleased to submit our Expression of Interest to provide professional engineering services for the design and contract administration of the United States Department of Agriculture (USDA) Wildlife Protection Fence at the West Virginia Wildlife Center, located on the French Creek Wildlife Management Area.

CEC brings over 36 years of experience delivering integrated civil and environmental engineering solutions across West Virginia and the Appalachian region. Our multidisciplinary team—including civil engineers, surveyors, geospatial specialists, ecologists, and construction oversight professionals—is uniquely qualified to support the West Virginia Division of Natural Resources (WVDNR) in achieving its goals for this project.

We understand the importance of designing a USDA-compliant wildlife protection fence that integrates seamlessly with the existing infrastructure, minimizes disruption to ongoing operations, and ensures long-term durability and public safety. Our approach will emphasize:

- **Thorough site evaluation and stakeholder coordination** to ensure alignment with WVDNR's operational needs;
- **Efficient, code-compliant design and documentation** to support competitive bidding and timely construction;
- **Responsive construction administration** to ensure quality, compliance, and successful project delivery.

CEC has successfully completed similar fencing, habitat protection, and infrastructure projects for public agencies throughout the state. Our team is committed to delivering a solution that reflects the values of conservation, safety, and sustainability that define the French Creek WMA.

We appreciate the opportunity to be considered for this important project and look forward to the possibility of contributing to the continued success of the West Virginia Wildlife Center. Please do not hesitate to contact us should you need any additional information.

Sincerely,

CIVIL & ENVIRONMENTAL CONSULTANTS, INC.

Joey Crookshanks, EI
Project Manager

David Gilmore, PLA
Principal



PROFESSIONAL SERVICES FOR FRENCH CREEK WMA WILDLIFE FENCE

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1.0 Executive Summary

CEC understands that the West Virginia Division of Natural Resources (WVDNR) is seeking engineering services to support the design and construction of approximately two miles of USDA Wildlife Protection Fence at the West Virginia Wildlife Center, located within the French Creek Wildlife Management Area. This facility is a unique public resource—part zoological park, part conservation site—requiring a fencing solution that balances public access, animal containment, and long-term durability.

The project involves more than simply specifying a fence. It requires a thoughtful evaluation of existing site conditions, integration with the current fencing system, and a design that meets USDA standards while minimizing disruption to the Wildlife Center's daily operations. CEC recognizes that the fence must serve both functional and regulatory purposes: it must protect the public and wildlife, comply with federal and state requirements, and be constructed in a way that respects the natural terrain and ecological context of the site.

Our team anticipates beginning with a comprehensive site review to assess terrain, vegetation, access points, environmental constraints, and tie-in locations. We will coordinate closely with WVDNR staff to understand operational needs, visitor flow, and any constraints related to animal movement or habitat zones. From there, we will develop a fencing alignment and design that incorporates appropriate materials, gate systems, and anchoring methods suited to the site's topography and soil conditions.

CEC will prepare detailed construction drawings and specifications suitable for competitive bidding, ensuring that the design is clear, buildable, and cost-effective. During construction, we will provide contract administration and oversight services to ensure the fence is installed according to plan, meets all performance criteria, and integrates seamlessly with the existing infrastructure.

We also understand the importance of maintaining public access and safety throughout the project. Our approach will include phasing recommendations and contractor coordination strategies to minimize disruption to the Wildlife Center's operations and visitors.

CEC brings extensive experience in similar projects across West Virginia, including wildlife fencing, habitat protection, and infrastructure improvements in sensitive environments. Our local presence, multidisciplinary team, regulatory knowledge, and familiarity with USDA and WVDNR standards position us to deliver a solution that meets the project's goals for safety, compliance, and long-term performance.

Key Project Objectives

Review Existing Conditions and Operations

- Evaluate current site conditions, existing fencing, and operational needs of the West Virginia Wildlife Center.
- Coordinate with WVDNR to develop a plan that minimizes disruption to ongoing operations and public access during construction.

Design and Documentation

- Provide full engineering design services for approximately 2 miles of new USDA Wildlife Protection Fence.
- Ensure the design complies with all applicable USDA, state, and federal regulations.
- Include all necessary gates, tie-ins to existing fencing, and any required accessories.
- Prepare construction drawings and specifications suitable for competitive bidding.

Construction Contract Administration

- Provide professional construction administration services throughout the project.
- Ensure that the fence is constructed in accordance with the approved design and functions as intended.
- Support the WVDNR with oversight, documentation, and coordination during construction.



1.1 Firm Overview

In 1989, four engineers and scientists came together with a singular vision: to be a people-first company, one that promotes a culture where clients and employees enjoy working together, and that is responsive to client needs with integrated services and high-quality work for projects both complex and routine. More than 36 years later, Civil & Environmental Consultants, Inc. (CEC) has 1,600+ team members in offices nationwide. Headquartered in Pittsburgh, Pennsylvania, we are consistently ranked on Engineering News-Record's annual lists of the Top Design Firms and Top Environmental Firms in the nation.

#1

West Virginia ENR's
Top Design Firms

#97

ENR's Top 500
Design Firms

#24

ENR's Mid-Atlantic
Design Firm

#107

ENR's Top 200
Environmental Firms

CEC's West Virginia (Bridgeport, Charleston, Martinsburg)

offices are comprised of senior leaders, master planners, engineers, project managers and support staff all with significant private and public infrastructure planning, design and engineering experience. Our offices are adequately staffed with a variety of professionals to ensure appropriate staff is assigned to any task.

CEC West Virginia enjoys a positive relationship with local, regional and state regulatory officials. These relationships are critical to navigating the permitting process through the increasingly difficult regulatory environment. CEC understands the length of time required for permitting tasks and can assist the client in developing accurate project schedules. This knowledge of local construction techniques and a thorough understanding of the design and operation/maintenance of public infrastructure provide a technical advantage to CEC.

CEC's team provides a balance of public and private sector experience that allows us to offer an exceptional perspective to our consulting services. Our team has proven experience in both private and public sector projects, meeting intensive schedules for projects and locally funded projects while maintaining quality work. We understand the balance and collaboration required between private site development projects and the public development process which will be critical in the success of this master plan project.

CEC West Virginia Practices



6

Trail Designers



46

Civil Engineers



22

Surveyors



15

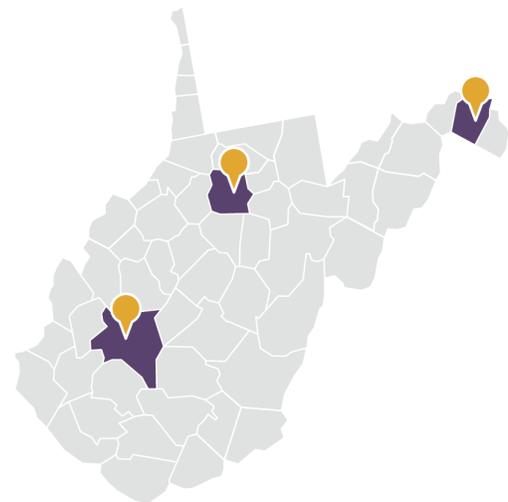
Environmental



8

Ecological

CEC Office Personnel Breakdown



137
Bridgeport

10
Charleston

10
Martinsburg

2.0 Technical Expertise

CEC brings a multidisciplinary team with deep technical expertise in civil engineering, site design, and construction administration—specifically aligned with the goals of the French Creek WMA USDA Wildlife Protection Fence project. Our team has extensive experience designing and managing infrastructure projects in sensitive environmental settings, including wildlife centers, public lands, and recreational facilities.

We understand that this project requires the design and construction oversight of approximately two miles of USDA-compliant wildlife protection fencing that must integrate seamlessly with the existing perimeter fence at the West Virginia Wildlife Center. Our technical approach will ensure the new fencing meets all state, and federal standards for wildlife containment, while also addressing terrain variability, site access, and long-term durability.

Our technical capabilities include:

- **Site Evaluation and Surveying:** Our licensed surveyors and geospatial specialists will conduct a detailed assessment of the existing fence line, terrain, and access points using UAV LiDAR, GPS, and conventional survey methods to inform alignment and design decisions.
- **Fence Design and Engineering:** We will develop construction-ready drawings and specifications for a USDA-compliant wildlife fence, including structural details, gate systems, and tie-ins to the existing fence. Our designs will consider topography, soil conditions, and wildlife behavior to ensure effectiveness and longevity.
- **Environmental and Regulatory Compliance:** Our environmental engineers and permitting specialists will identify environmental constraints and that all design and construction activities comply with applicable state and federal regulations, including National Environmental Policy Act (NEPA), Clean Water Act Sections 401/404, and WVDEP requirements.
 - **Low-Impact Siting:** Fence alignment will be optimized to minimize disturbance to native vegetation, wildlife corridors, aquatic resources, and sensitive habitats. We will use existing clearings and disturbed areas wherever feasible to reduce the project's ecological footprint.
 - **Sustainable Materials:** Where possible, we will specify durable, corrosion-resistant, and recyclable materials that reduce maintenance needs and extend the life cycle of the fence system.
 - **Erosion and Sediment Control:** Our design will incorporate best management practices (BMPs) to prevent soil erosion and protect nearby waterways during and after construction.
 - **Resilience to Environmental Stressors**
 - **Climate-Responsive Design:** The fence system will

be engineered to withstand extreme weather events common to the Appalachian region, including high winds, freeze-thaw cycles, and heavy precipitation.

- **Wildlife-Safe Features:** In addition to meeting USDA containment standards, the design will consider wildlife movement and safety, reducing the risk of entrapment or injury to non-target species.
- **Redundancy and Access:** Gate systems and tie-ins will be designed for operational flexibility, allowing for rapid response in the event of storm damage or emergency access needs.

- **Construction Administration:** CEC will provide full construction oversight services, including pre-bid support, contractor coordination, submittal review, site inspections, and final acceptance. Our QA/QC protocols ensure that the fence is constructed to specification and functions as intended.
- **Stakeholder Coordination:** We are experienced in working with public agencies and understand the importance of minimizing disruption to ongoing operations and public access. Our team will maintain clear and consistent communication with WVDNR staff throughout the project lifecycle.

CEC's technical team has successfully delivered similar fencing and habitat protection projects across West Virginia, and we are confident in our ability to meet the goals of this project with precision, efficiency, and accountability.

Compliance with USDA and State Regulations

Our team maintains up-to-date knowledge of all relevant federal and state regulations, including:

- **USDA Wildlife Services Fencing Standards:** We adhere strictly to USDA guidelines for wildlife exclusion, including specifications for mesh size, fence height, and anchoring systems.
- **NEPA and State Environmental Compliance:** We support clients in navigating environmental assessments and permitting processes, ensuring full compliance with NEPA and other federal, state, and local environmental regulations.

Engagement

We will also engage with stakeholders to incorporate feedback and promote transparency throughout the project lifecycle.

3.0 Management Approach

Objective 1: Review existing plans, conditions, and operation of the facility 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 structure and meet all objectives

CEC has extensive experience conducting thorough reviews of existing plans, site conditions, and operational workflows for complex public-sector facilities. Our team of engineers, scientists, and planners is skilled at evaluating current infrastructure and environmental factors to inform practical, site-specific design strategies. In past collaborations with the West Virginia Division of Natural Resources, we have demonstrated our ability to integrate seamlessly with agency operations, ensuring that all planning efforts are grounded in a clear understanding of facility functions and stakeholder priorities.

We place a strong emphasis on early and ongoing communication with the client to ensure that all operational needs are identified and addressed. Our approach includes structured site assessments, stakeholder interviews, and collaborative planning sessions to develop solutions that are both technically sound and operationally feasible. To minimize disruption to ongoing activities, we implement phased construction strategies and adaptive scheduling, allowing for continued public access and uninterrupted facility use. Our quality assurance protocols ensure that all recommendations and deliverables are aligned with regulatory requirements and the client's long-term objectives.

Objective 2: As a portion of this process outlined in Objective 1, provide all necessary services to design the facilities described in this 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.

CEC is committed to delivering design solutions that are not only technically sound but also fully aligned with the operational goals, regulatory obligations, and fiscal parameters of the West Virginia Division of Natural Resources. Our team approaches each project with a deep understanding of the unique environmental, structural, and public-facing considerations that define DNR-managed facilities.

We begin by translating insights from our site evaluations and stakeholder consultations into a comprehensive design framework. This includes the development of detailed construction drawings, technical specifications, and bid-ready documents that reflect the USDA Wildlife Protection Fence standards and integrate seamlessly with existing infrastructure. Our designs are informed by current federal and state codes,

including ADA accessibility, environmental protection standards, and applicable USDA fencing guidelines.

Throughout the design process, we maintain close coordination with DNR representatives to ensure that evolving needs and constraints are addressed in real time. Our internal QA/QC protocols ensure that all deliverables are reviewed for regulatory compliance, constructability, and cost-effectiveness. We also incorporate value engineering practices to identify opportunities for cost savings without compromising performance or durability, ensuring the project remains within budget while meeting all stated objectives.

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

CEC provides comprehensive construction contract administration services to ensure that every aspect of the project is executed according to the approved design, schedule, and regulatory framework. Our team includes experienced construction managers, field inspectors, and technical specialists who are well-versed in overseeing public infrastructure projects, particularly those involving environmental and wildlife protection components.

We serve as the owner's representative throughout the construction phase, managing contractor communications, reviewing submittals, conducting regular site inspections, and verifying that all work meets the design intent and quality standards. Our team is proactive in identifying and resolving issues in the field, minimizing delays and ensuring that the project stays on track.

In addition to technical oversight, we maintain detailed documentation of all construction activities, including progress reports, change orders, and compliance records. This ensures transparency and accountability at every stage. Our familiarity with USDA and state construction standards allows us to quickly assess compliance and enforce corrective actions when necessary.

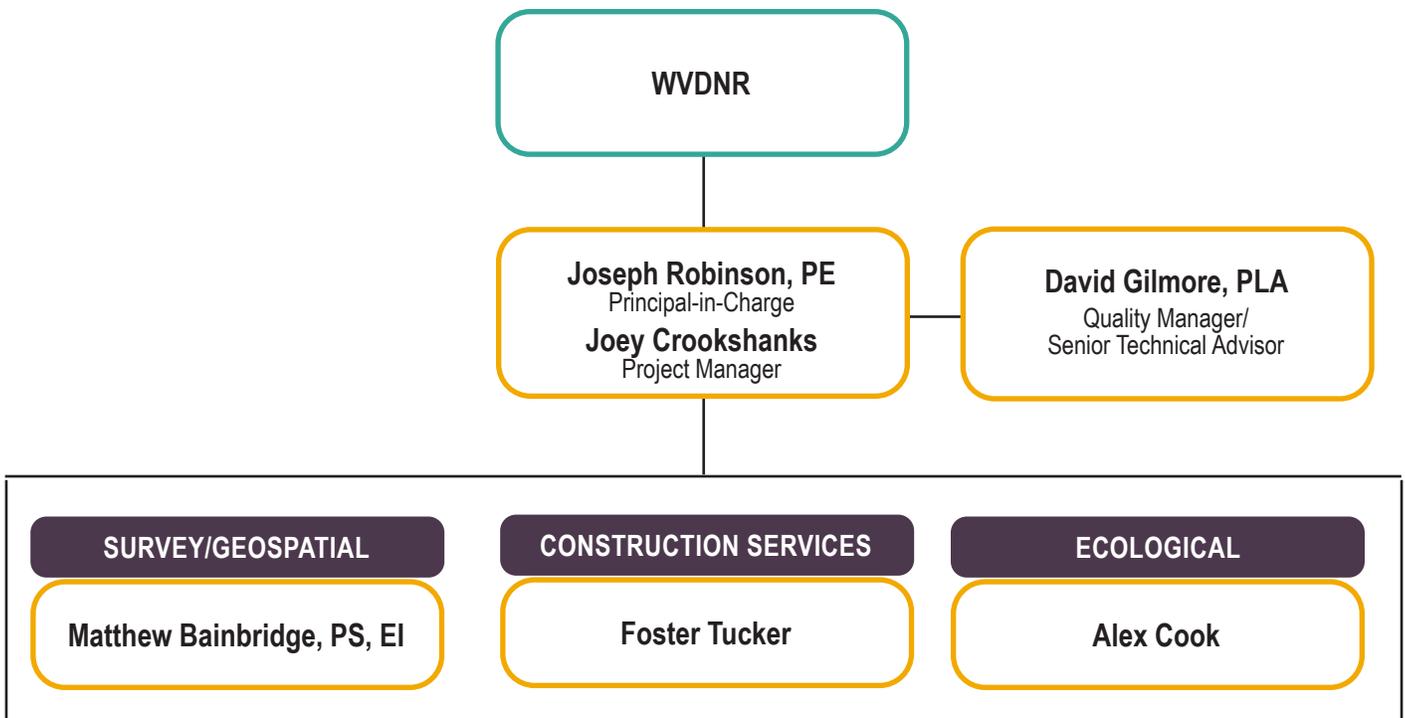
By combining technical rigor with responsive project management, CEC ensures that the final installation of the USDA Wildlife Protection Fence at French Creek WMA is completed efficiently, safely, and in full alignment with the DNR's expectations.

4.0 Staffing Capabilities

CEC is fully equipped and strategically positioned to support the West Virginia Division of Natural Resources in the timely and effective execution of the French Creek WMA USDA Wildlife Protection Fence project. With established offices in West Virginia, our team of licensed engineers, environmental scientists, GIS analysts, and project managers is immediately available to mobilize upon contract award.

We are committed to prioritizing this engagement and will assign a dedicated project team with direct experience in wildlife infrastructure and public-sector construction oversight. Our internal project controls, communication protocols, and quality assurance systems are designed to ensure that all deliverables are completed accurately, on time, and in full compliance with applicable federal, state, and agency standards.

Our operational model is built for flexibility and responsiveness. We maintain scalable staffing resources that allow us to manage multiple concurrent project components—including site evaluations, design development, permitting coordination, and construction oversight—without compromising quality or schedule adherence. This approach ensures continuity of service and the ability to adapt to evolving project needs.



Joey Crookshanks, E.I.

Project Manager



12 YEARS OF EXPERIENCE

EDUCATION

B.S., Civil Engineering, Marshall University, 2017

Joey Crookshanks is a Project Consultant with over 12 years of experience in heavy highway construction, quality assurance/quality control (QA/QC), and civil engineering project management. A graduate of Marshall University with a B.S. in Civil Engineering, Joey is a registered Engineer Intern in Ohio and holds FAA Remote Pilot and Hazmat certifications.

Joey's expertise spans a wide range of infrastructure and energy projects, including interstate expansions, bridge replacements, renewable natural gas (RNG) facility development, and urban infrastructure improvements. He has served in both field and project engineering roles, providing critical services such as asphalt quality control, GPS surveying, permitting coordination, and construction inspection.

His work includes major projects with the West Virginia Department of Highways, where he oversaw bridge construction, caisson installation, and pavement rehabilitation. In the private sector, Joey has supported RNG facility development across Ohio and West Virginia, collaborating with local and state agencies to secure permits and ensure regulatory compliance.

Joey is an active member of ASTM International, the American Concrete Institute, the Contractors Association of West Virginia, and the Engineers Club of Huntington. His hands-on experience, technical knowledge, and collaborative approach make him a valuable asset to multidisciplinary infrastructure and energy development teams.

PROJECT EXPERIENCE

Heavy Equipment Operator, West Virginia Department of Highways, West Virginia*

Role: Equipment Operator

Operated asphalt paving equipment for a variety of projects, including large highway construction, rural two-lane highways, and city street resurfacing in the Huntington/Charleston, West Virginia area.

Beckley Fire Department Expansion, Beckley Fire Department, Beckley, WV*

Role: Project Engineer

As a Field Quality Control Specialist for the Beckley Fire Department's expansion project, I ensured the quality and integrity of hot mix asphalt placement and compaction. I conducted on-site inspections using a nuclear density gauge for compaction testing, ensuring compliance with project specifications and industry standards.

EXPERTISE

Heavy Highway Construction
Heavy Highway Inspection Services
QA/QC
Asphalt Construction
Heavy Equipment Operation
Local and State Permitting
Quality Control of Construction Practices and Materials
Laboratory testing of construction materials related to asphalt, concrete, and soils
Construction Project Management

REGISTRATIONS

Engineer Intern
• OH 14819

CERTIFICATIONS

FAA Remote Pilot Certification, U.S. Department of Transportation Federal Aviation Administration
Hazmat Certification as required by U.S. DOT and IATA, Troxler Electronic Laboratories

Joey Crookshanks, E.I.

Project Manager

I-64 Interstate Expansion, West Virginia Department of Highways, Huntington, WV*

Role: Project Engineer

Oversaw the construction and expansion of a four-mile stretch of interstate highway, including the addition of two new lanes and the reconstruction of the existing four lanes. Managed the installation of four bridge abutments and supervised the drilling and construction of eight caissons, with diameters ranging from 8 feet (20 feet deep) to 12 feet (80 feet deep).

Highway Pavement Survey Services, West Virginia Department of Highways, West Virginia*

Role: Project Engineer

Conducted GPS survey work and centerline staking for nine interstate warranty projects across West Virginia, totaling 50 miles. Following the survey work, served as a project engineer for the resurfacing of two projects located in Braxton County, WV.

Tunnel Hill Renewable Natural Gas Facility, Vision RNG, Tunnel Hill landfill, New Lexington, Ohio

Role: Project Consultant

Assisted with permitting efforts and quality control services for the land development of a proposed Renewable Natural Gas Facility. Efforts including collaboration with local and state permitting officials, earthwork, utility installation, compaction, and seepage remediation.

Pike RNG Facility, Archaea Energy

Role: Project Consultant

Assisted in the permitting efforts for the installation of onsite storage tanks and RNG control buildings.

Cicerone Bridge Reconstrction, West Virginia Department of Highways, Cicerone, WV

Role: Project Engineer

As a Construction Inspector, I performed inspection services for a bridge replacement project, focusing on the placement of rebar, concrete, and asphalt. My responsibilities included ensuring that all materials and construction practices met project specifications and industry standards. I conducted thorough inspections to verify the correct installation of rebar, monitored the pouring and curing of concrete, and oversaw the placement and compaction of asphalt. This role required coordination with construction teams to address any issues promptly, ultimately contributing to the successful completion of the project.

New Martinsville Slip, EQT, New Martinsville, WV

Role: Field Inspector

Conducted field inspection services for a hillside slip project at a natural gas well pad in New Martinsville, West Virginia. Performed soil compaction services and oversaw the reconstruction of the toe of the slope that had slipped, ensuring stability and safety standards were met.

** Work performed prior to joining CEC*

PROFESSIONAL AFFILIATIONS

ASTM International

American Concrete Institute

Contractors Association of West Virginia

Engineers Club of Huntington



Joseph D. Robinson, P.E.

Principal in Charge



21 YEARS OF EXPERIENCE

EDUCATION

B.S., Civil Engineering, West Virginia University, 2004

Joseph is a Vice President with seventeen years of diverse experience in civil, geotechnical, water resources, structural engineering, oil & gas site & pipeline design and residential/commercial site design. He has designed various projects including site layouts, grading plans, sanitary sewer, storm water management, impoundments, roads, sediment control measures, segmental retaining walls, flood plain analyses and concrete design projects.

PROJECT EXPERIENCE

Site Development Projects, Clarksburg Firing Range*

Responsible for grading, quantities, design plan production, survey stakeout and construction.

Civil Site Design Experience

Site Development Projects, Timberbrook Condos*

Responsible for grading, quantities and design plan production.

Site Development Projects, Bridgeport BUMC Parking Lot, Bridgeport, WV*

Responsible for grading, quantities, design plans and construction.

Site Development Projects, Energy Plaza Partners, WV*

Site Grading Project along Rt 50 Responsible for grading, quantities, design plan production and survey stakeout.

EPP Experience, Energy Plaza Partners, WV

Project management and design of one site for future development. Project included civil site design for rough grading, E&S controls, surveying, as-built and concept site layouts.

Site Development Projects, 200 Orchard Street*

Segmental Retaining Wall Project Responsible for site layout, segmental retaining wall design, design plan production, survey stakeout and construction.

Site Development Projects, Mon General*

Segmental Retaining Wall Redesign Project Responsible for segmental retaining wall design, design plan production and construction.

Health Care Facility Design*

UHC Project - Jerry Dove Drive, Bridgeport, WV Responsible for final site grading, drafting and segmental retaining wall design & construction. Physicians Office Building - Jerry Dove Drive, Bridgeport, WV Responsible for final site grading, drafting and construction oversight.

EXPERTISE

Project planning, coordination and permitting of Oil & Gas projects in WV

Diverse experience in civil, geotechnical, water resources, structural engineering, and site design

REGISTRATIONS

Professional Engineer

- WV 19756
- OH 77637
- MD 45171
- VA 0402053304
- PA 083558
- TX 139413

Joseph D. Robinson, P.E.

Principal in Charge

Site Development Projects, GAL Land Company, Bridgeport, WV*

Oversaw site grading, quantities, storm water management, permitting, survey stakeout, final grading for individual lots and construction.

City development Projects, Clarksburg*

Clarksburg Safe Routes Project. Responsible for design layout, quantities, plan production and construction. Clarksburg

Streetscape Project 2010 Responsible for site layout, quantities, design plan production and survey stakeout.

Federal/State Tactical Infrastructure Projects

TFC, Texas Facilities Commission, Texas

Role: Special Inspector of Record (SIOR)

Provided oversight of Construction Quality Assurance for Quality Control (QC) and Special Inspections (SI) for approximately 1.7 miles of border wall infrastructure.

DESIGN-BUILD OF RGV 08 , FENCE SEGMENT, Starr County, TX

Role: Design Manager/Special Inspector of Record

Construction of 20.69 miles of wall, roads, drainage, and lighting for providing border security.

DESIGN-BUILD OF RGV 09, FENCE SEGMENT, Starr and Hidalgo Counties, TX

Role: Design Manager/Special Inspector of Record

Construction of 20.69 miles of wall, roads, drainage, and lighting for providing border security.

Floodplain Analyses & Inundation Studies Experience

Floodplain Analysis Designs, Antero*

Foreman FWI Responsible for inundation study

Floodplain Analysis Designs, McIntyre FWI*

Responsible for inundation study.

Floodplain Analysis Designs, Indian Creek FWI*

Responsible for inundation study.

Floodplain Analysis Designs, EQT*

Saturn Compressor Station Phase VI Responsible for floodplain study

Floodplain Analysis Designs, PDC*

Gamelli Pad Responsible for floodplain study .

Floodplain Analysis Designs, Antero*

Annie Horizontal FWI Responsible for inundation study.

Structural Design & Analyses Experience

Structural Design*

Hotel and Home Designs in Maryland, Virginia and Delaware Responsible for vibratory & driven pile designs, concrete grade beam design, timber beam design, engineered beam design, timber flitch plate design and concrete foundations. Smith Services Project Responsible for concrete mat foundation analysis for warehouse facilities and design plan production. PDC Gamelli Bridge Responsible for existing steel tube bridge analysis/load rating for equipment crossing.

* Work performed prior to joining CEC



Search: Details

Name:	JOSEPH D. ROBINSON
WV Professional Engineer:	PE License Number: 019756
	PE License Status: Active
	PE Issue Date: 05/30/2012
	PE Expiration Date: 12/31/2026
Continuing Education Claim:	Qualifying Hours from Last Renewal or Reinstatement: 57.00
	Carryover Hours for Next Renewal: 15.00
	Last Renewal or Reinstatement Date*: 12/10/2024
WV Engineer Intern:	EI Certification Number: 8305
	EI Issue Date: 07/15/2004
Primary Address of Record:	60 LOST WAY MANNINGTON, WV 26582
Primary Employer of Record:	CIVIL & ENVIRONMENTAL CONSULTANTS, INC.
	<div style="border: 1px solid black; padding: 5px;"> <p>* This date reflects the most recent license renewal (or reinstatement) date for this licensee. Continuing education hours earned prior to this date may not be used for future renewals.</p> </div>

This data was retrieved on 6/25/2025.

David Gilmore, P.L.A., MBA

Quality Manager



36 YEARS OF EXPERIENCE

EDUCATION

BSLA, West Virginia University, 1988
MBA with an Emphasis on Management, Point Park University, 2015

36 years of experience on a diverse range of projects with an emphasis on recreational planning. Experience encompasses all aspects of land development, landscape architecture, planning and urban design in both the public and private sector including but not limited to: project, department and office management; business and client development; mentoring / staff development; contract, construction document and technical specification preparation; site analysis; schematic design; construction administration; master and land-use planning (institutional, resort, parks, recreational, residential; industrial, commercial); streetscape; strategic planning, transit oriented development and urban design; landscape and hardscape design; graphic presentation drawing.

PROJECT EXPERIENCE

Hurricane Bridge Park Masterplan, Hurricane, WV*
Herbert and Gloria Jones Recreational Trail, Charleston WV*
Prindle Park, Huntington WV*
Rotary and Memorial Park Upgrades, Huntington WV*
Haddad Riverfront Park, Charleston, WV*
Celebration Station All-Inclusive Playground, Charleston WV*
Village of Barboursville Sports Complex, Cabell County, WV*
CAMC General Division Employee Park, Charleston, WV*
Taylor Memorial Park, Brockway PA*
Milton Middle School, Football / Track Complex, Cabell County, WV*
Elk River Riverfront Park & Bike Trail, Charleston, WV*
Wheeling Island Gateway Riverfront Park, Wheeling, WV*
Kanawha Boulevard Bikeway and Greenway Masterplan, Charleston WV*
Kanawha River Boardwalk, Kanawha County, WV*
Valley Park Masterplan, Putnam County WV*
Washington County Parks, Recreation and Open Space Plan, Washington County, PA*
Putnam County Parks, Recreation and Open Space Plan, Putnam County, WV*
Wardensville Parks Masterplan, Wardensville WV*
City of Bluefield Parks, Recreation and Open Space Plan, Mercer County, WV*
Upper Kanawha Valley Trail System, Kanawha County, WV*
Bible Center Church Park, South Charleston, WV*
Mingo Creek Park Masterplan, Washington County, PA*
Cross Creek Park Masterplan, Washington County, PA*
Stonewall Jackson State Park & Resort Master Plan, Roanoke, WV*
East End Community Park, Charleston, WV*
West Liberty University Soccer Complex, West Liberty, WV*

REGISTRATIONS

Registered Landscape Architect
• WV 247

ADDITIONAL TRAINING / PROFESSIONAL DEVELOPMENT

- Harvard Leadership Training
- Advanced Project Management Training
- Client First Training
- Risk Management Training
- Past WVASLA State Licensing Board Member
- Past President, WVASLA



David Gilmore, P.L.A., MBA

Quality Manager

Frontier Park, Charleston, WV*

Meadowlark Park, Fostoria, OH*

Pufferbelly Trail, Fort Wayne, IN*

Shoenbaum Performance Stage, Charleston, WV*

Berry Hills Country Club Master Plan, Charleston, WV*

Dow Heritage Park, Charleston, WV*

** Work performed prior to joining CEC*

Matthew K. Bainbridge, E.I.T., P.S.

Survey/Geospatial



21 YEARS OF EXPERIENCE

EDUCATION

B.S., Mathematics, Fairmont State University, 2007

B.S., Civil Engineering Technology, Fairmont State University, 2012

EXPERTISE

Advanced Geospatial Processing
LiDAR Classification and Mapping
Reality Capture Data Processing and 3D Visualization
Kinematic GNSS/IMU Post-Processing

REGISTRATIONS

Engineer in Training
• WV 10181
Professional Surveyor
• WV 2501

Matthew possesses a diverse background in both Civil Engineering and Geomatics. With experience ranging from site design to geospatial processing, Mr. Bainbridge's capabilities enable him to provide a wide variety of services throughout the industry. His industry experience ranges from manufacturing, architectural, commercial, oil & gas, and power transmission. Starting the remote sensing group in CEC's Bridgeport office in 2015, he currently leads the survey/geospatial group for the office.

PROJECT EXPERIENCE

Aerial LiDAR and Mapping

UAV LiDAR Well Pad As-Builts, EQT, Wetzel County, WV

Role: Project Manager

UAV-based acquisition of LiDAR and Photography of existing well pads and production of As-Built drawing sets.

Rum Creek Connector UAV LiDAR As-Built, WVDOH, Logan, WV

Role: Project Manager

UAV-based acquisition of LiDAR and georeferenced Photography for As-Built of the 8 mile highway project prior to the grand opening in Logan, WV. Involved the collection of 2.5 billion LiDAR data points along an 8 mile highway corridor including hill cuts upwards of 700-feet in elevation relief.

Coal Fields Expressway, WVDOH, WV

Role: Project Manager

UAV-based acquisition of LiDAR and georeferenced Photography for detailed mapping of highway project under construction in Southern West Virginia for the purpose of stockpile volume calculations and pavement design. Collection of data included over 10 miles of roadway to produce detailed existing conditions mapping.

Turnpike Interchange Mapping, Beaver Contracting, Washington, PA

Role: Survey Manager

CEC provided UAS mapping services of the PA Turnpike interchange for volume quantification and as-built drawing preparation to support closeout of project for Beaver Excavating. Mr. Bainbridge was responsible for overseeing the field collection, data processing, and review of final deliverables.

Grand Rapids & Providence Dams Assessment, ODNR, Lucas and Wood Counties, Ohio

Role: Remote Sensing Manager

CEC conducted an sUAS LiDAR Survey of an 85-acre area on Maumee River to capture existing conditions of Providence Dam and Grand Rapids Dam, as well as bathymetric data of the underwater topography. Mr. Bainbridge was responsible for overseeing the field collection data processing, meshing of aerial topography and bathymetric datasets, and final review of deliverables.

Building and Site Design

Pharmacy Site and Revit Building Design, White Hall Pharmacy, White Hall Marion County, WV*

Design of Building and Site for Whitehall Pharmacy in Fairmont WV.

Matthew K. Bainbridge, E.I.T., P.S.

Survey/Geospatial

Grant Avenue Site and Building Design, Rod Everly, Morgantown Monongalia County, WV*

Design of Building and Site for Grant Ave Apartment Complex in Morgantown WV

UFCU Site and Building Design, UFCU, Morgantown Monongalia County, WV*

Design of Building and Site for two Locations of United Federal Credit Union in Morgantown WV

Mobile LiDAR Survey

Route 622 Widening Survey, WVDOH, Kanawha County, WV

Role: Project Manager

Mobile LiDAR and Conventional Survey for Route 622 widening project in WVDOH including boundary evidence location and topographic map preparation through the use of a vehicle-mounted LiDAR sensor and georeferenced 360-degree imagery.

US 441 & Casino Trail MLS, Johnson Architecture, Inc., Cherokee, NC

Role: Topographic Mapping

Mobile LiDAR acquisition and topographic map preparation of approximately 3 miles of roadway in Cherokee, NC for the purpose of streetscape and lighting upgrades.

County-wide Mobile LiDAR, Barbour County Commission, Barbour County, WV

Role: Survey Principal

CEC was tasked with the collection and processing of kinematic LiDAR and 360 Imagery for all public roadways within the County. CEC then produced deliverables from this dataset, including hosting of the data on low-cost BLOB storage and integration of the imagery and LiDAR data into ArcGIS Enterprise 3D layers web-accessible through ESRI Experience Builder.

County-wide Mobile Mapping, Lewis County Commission, Lewis County, WV

Role: Survey Manager

CEC was tasked with the development of a dilapidated structures database and the creation of a web-base interface for interacting with the collected LiDAR and 360 Imagery by the commission and it's 3rd parties. CEC produced a full web experience through ArcGIS Enterprise to assist with planning and funding applications, and to provide an up-to-date inventory of apparent dilapidated structures throughout the County.

I-81 Mobile LiDAR, Martinsburg, WV

Role: Survey Manager

CEC conducted a vehicle-mounted LiDAR Survey using a Riegl VUX-1HA sensor to capture existing conditions of a stretch of the I-81 highway corridor near Martinsburg, WV. Mr. Bainbridge was responsible for overseeing the performing field collection, data processing, TopoDOT feature extraction, and final review of deliverables.

Pittsburgh District Energy System Route Survey, NRG Energy Center Pittsburgh, Pittsburgh, PA

Role: LiDAR Manager

Mobile Laser Scan and Topographic Map Production for over 30 city blocks in Downtown Pittsburgh.

Survey and Land Subdivision

Potomac Valley Overlook Subdivision, North American Land, Milam Pendleton County, WV*

Survey and Subdivision of 2000+ Acres of Potomac Valley Overlook in Grant and Pendleton Counties, WV. E&S Design, Permit Drawings and NPDES Permit Applications for 9 individual phases of construction.

Terrestrial LiDAR Survey, West Virginia University

Role: Project Manager

Terrestrial Lidar scan of WV Towers for a renovation project that was built for the entire existing facility. Created a map of the entire facility using UAV LiDAR.

Video Processing Dominion Energy , Dominion Energy , Bridgeport West Virginia

Role: Project Manager

360 video documentation of existing roadways of the 1,700 miles of the existing roadway.



Matthew K. Bainbridge, E.I.T., P.S.

Survey/Geospatial

NASA IV&V LiDAR, Fairmont West Virginia

Role: Project Manager

Terrestrial LiDAR scan of the entire existing facility. As well as created a recap and a view of the deliver abilities.

Terrestrial LiDAR Survey and 3D Modeling

Owens Corning LiDAR and Modeling, Varo Engineers, Newark Licking County, OH

Terrestrial LiDAR acquisition of 14,000 SQ FT Furnace at the Owens Corning Fiberglass plant. LOD300 3D Model created in AutoCAD from Point Cloud, and adjusted to plant control.

Two Lick Dam Removal, Canaan Valley Institute, Inc., Harrison County, WV

Role: LiDAR Manager

Terrestrial LiDAR Acquisition and existing conditions mapping of pedestrian bridge near the Two Lick Dam site for monitoring before and after removal.

Steelhead LiDAR, Equitrans Midstream, Waynesburg, PA

Role: Project Manager

LiDAR of exposed underground assets during construction and final as-built scan of facility. Adjustment of Plant 3D model BIM 360 to reflect as-built conditions

Houston Railyard As-Built Model, Markwest, Houston, PA

Role: Project Manager

Terrestrial Laser Scan and Subsurface Utility Locations of rail loading facility at the Houston facility. Production of As-built Plant 3D model and delivery of Leica Truview and Navisworks to client.

Marble Cliff - LiDAR Subsidence Analysis, Marble Cliff Apartments, Columbus Columbus County, OH

Terrestrial LiDAR scan of Interior and Exterior of multiple apartment buildings that were experiencing significant subsidence. Floor elevation maps created showing the specific areas and extent of subsidence.

New Castle Power Plant - LiDAR As-Built, Mitsubishi Hitachi Power Systems, New Castle, PA

Establishment of Plant Control and LiDAR As-Built scan and 3D model for Natural Gas Conversion of the power plant. Pipes and Structural Steel objects were created and delivered in Microstation DGN format at the client's request.

Joliet Dolomite Mine - LiDAR As-Built, Q4 Impact Group, LLC, Joliet, IL

LiDAR Scan of entire Dolomite Mine 500 foot below ground in complete darkness. Produced as-built model of conditions of 100-foot tall pillars. Cross sections of pillars delivered to client for structural analysis.

Compressor Facility LiDAR As-Built, Eureka Hunter Pipeline, Pine Grove, WV

Terrestrial LiDAR As-Built of 40 acre compression facility, basemap and as-built 3D model creation. Created an asset management inventory that dynamically linked to truviews in an ArcGIS Online map environment with attribute data on all valves such as detail photographs, serial number, manufacturer, and inspection data.

Nestle Purina LiDAR As-Built and 3D Modeling, Varo Engineers, Zanesville, OH

LiDAR As-Built of 4 story Nestle Purina facility and 3D model produced of the structure and all equipment inside for the client to use for design.

LiDAR As-Built of Stream Restoration, Ecosystem Investment Partners, LLC, Logan Logan County, WV

As-Built Survey of over 20 miles of constructed natural stream channel using Terrestrial LiDAR and production of As-Built surfaces and breaklines. Truview Global creation and linking via QR code to As-Built sheet sets.

** Work performed prior to joining CEC*



Charles A. Cook

Ecological



18 YEARS OF EXPERIENCE

EDUCATION

B.S., Biology, West Virginia State University ,
2006

Alex has been working as an environmental consultant (ecology) for over 18 years and has provided his environmental services and oversight for a variety of projects involving transportation and highways, energy production and transmission (including renewables), coal mining, oil and gas extraction and transmission, public works, and community development. He demonstrates a strong knowledge of current federal, state, and local regulations pertaining to permitting and agency coordination for environmental and natural resource concerns as they relate to surface waters and navigable rivers, floodplains, national forests, and threatened and endangered species, among other subjects. He also experienced with the NEPA process and has assisted in the preparation of several NEPA decision-making documents. Alex assists clients through his strong working relationships with quality personnel, stakeholders, and regulators in West Virginia and the surrounding areas.

Alex also has experience planning, managing, and conducting a variety of environmental and ecological surveys to support project needs, such as wetland delineations, jurisdictional stream determinations, stream and wetland functional assessments, mitigation monitoring, vegetation surveys, benthic and water quality sampling, hydrogeomorphic assessments, habitat assessments, fish and herpetology studies, and threatened and endangered species surveys.

He is also experienced in mitigation, including acquiring off-site mitigation credits for stream and wetland impacts, or facilitating restoration/enhancement of resources for Permittee Responsible Mitigation, mitigation banks, and/or In-Leu Fee sites.

PROJECT EXPERIENCE

Public

Elk River Park and Trail Project, City of Charleston, Charleston, WV*

Role: Senior Project Environmental Specialist

Responsible for completion of environmental permitting including the Army Corps of Engineers Section 404 and Section 10 authorization and WVDEP Section 401 Water Quality Certification for a park and trail constructed along the Elk River, behind the Charleston Colosseum and Convention Center.

Bridge Park, City of Hurricane, Hurricane, WV*

Role: Senior Project Environmental Specialist

Responsible for completion of environmental permitting including stream and wetland delineations, Section 404 and 401 authorization (Clean Water Act), mitigation determinations for stream and wetland impacts and threatened and endangered species consultation for construction of a park with recreational facilities and ballparks.

* *Work performed prior to joining CEC*

CERTIFICATIONS

River Course 101: Stream Morphology Assessment, North Carolina State University Dept of Biological and Agricultural Engineering

River Course 201: Natural Channel Design Principles, North Carolina State University Dept of Biological and Agricultural Engineering

Wetland Delineation and Regional Supplement Training, Swamp School, LLC

NEPA and Transportation Decision-Making, NHI and FHWA

West Virginia Running Buffalo Clover Approved Surveyor, U.S. Fish & Wildlife Service

SafeLand USA - Basic Orientation, PEC Safety

West Virginia Scientific Collecting Permit, Division of Natural Resources

West Virginia Wetland Rapid Assessment Method (WVWRAM), WV Department of Environmental Protection

QHEI Training, Ohio Environmental Protection Agency

Safety Sensitive Personnel Certification , WV Office of Miners' Health, Safety, & Training

10-Hour OSHA Construction Safety (Occupational Safety & Health Administration), OSHA

Grass, Sedge, and Rush Identification, Institute of Botanical Training



Civil & Environmental Consultants, Inc.

Foster G. Tucker, P.G.

Construction Services



7 YEARS OF EXPERIENCE

EDUCATION

B.S., Geology, West Virginia University, 2018

Foster has been involved with geotechnical engineering and construction inspection work for six years. His first full time position was here with CEC starting in the summer of 2018 and he has been a member of the geotechnical department ever since. His interest in these types of work began with his first internship at CEC in the summer of 2015. He is excited to continue learning new things and expanding his knowledge about geology, geotechnical engineering, and any exciting projects that come his way.

PROJECT EXPERIENCE

Beech Fork State Park, West Virginia Division Of Natural Resources, South Charleston, WV

Role: Geologist

- Performed site reconnaissance - Made updates to drilling plan - Relocated and staked borings to appropriate drilling locations - Drilling observation - Gathered geotechnical data for use in project design and construction - Assisted in organizing drilling activities on site - Classified and documented soil and rock samples obtained during sampling - Created computer generated boring logs of the subsurface information

Grand Vue Park Master Plan, Omni Associates, Moundsville, WV

Role: Inspector

- Construction Inspection - Monitored earthwork to ensure conformance with plans - Tested soil compaction of lifts with nuclear density gauge - Monitored roadway construction to ensure conformance with plans - Tested asphalt compaction with nuclear density gauge - Monitored sewer installation to ensure conformance with plans - Monitored construction of buildings to ensure conformance with plans

Mylan Park Foundation RV Park, Mylan Park Foundation, Inc., Morgantown, WV

Role: Test Pit Inspector

- Test pit observation - Gathered geotechnical data for use in project design and construction - Assisted in organizing test pit activities on site - Classified and documented soil and rock samples obtained during sampling - Created computer generated boring logs of the subsurface information

Coopers Rock State Park, WVDNR, Morgantown, WV

Role: Inspector

- Construction Inspection - Monitored earthwork to ensure conformance with plans - Tested soil compaction of lifts with nuclear density gauge - Monitored roadway construction to ensure conformance with plans - Monitored sewer installation to ensure conformance with plans

Berkeley County - Inwood Park, Berkeley County Council, Martinsburg, WV

Role: Drilling Inspector

- Drilling observation - Gathered geotechnical data for use in project design and construction - Assisted in organizing drilling activities on site - Classified and documented soil and rock samples obtained during sampling - Created computer generated boring logs of the subsurface information

REGISTRATIONS

Professional Geologist
• PA PG005668.

CERTIFICATIONS

ACI Concrete Field Testing Technician
- Grade 1, American Concrete Institute

Transportation Engineering Technician,
West Virginia

APNGA Portable Nuclear Gauge Safety
& US DOT HAZMAT Certification,
American Portable Nuclear Gauge
Association

Adult and Pediatric First Aid/CPR/AED,
Red Cross

SafeLand USA - Basic Orientation,
PEC Safety

Soils Special Inspector, International
Code Council



Civil & Environmental Consultants, Inc.

Foster G. Tucker, P.G.

Construction Services

2022 AML Contract 8 Project North, West Virginia Department of Environmental Protection Agency, Brownton, WV

Role: Drilling Inspector

- Drilling observation - Gathered geotechnical data for use in project design and construction - Assisted in organizing drilling activities on site - Classified and documented soil and rock samples obtained during sampling - Created computer generated boring logs of the subsurface information

Forever Wild Lot 4 Crane Pad, Tygart's Valley Construction Inc., Snowshoe, WV

Role: Drilling Inspector

- Drilling observation - Gathered geotechnical data for use in project design and construction - Assisted in organizing drilling activities on site - Classified and documented soil and rock samples obtained during sampling - Created computer generated boring logs of the subsurface information

Lewis County Commission-Brownfield Grant, County of Lewis, WV, Weston, WV

Role: Drilling Inspector

- Drilling observation - Gathered geotechnical data for use in project design - Assisted in organizing drilling activities on site - Classified and documented soil and rock samples obtained during sampling - Created computer generated boring logs of the subsurface information

Action Sports Complex at Mylan Park, Mylan Park Foundation, Inc. , Morgantown, WV

Role: Drilling Inspector

- Drilling observation - Gathered geotechnical data for use in project design and construction - Assisted in organizing drilling activities on site - Classified and documented soil and rock samples obtained during sampling - Created computer generated boring logs of the subsurface information

Cacapon Resort New Bike Trails, WVDNR, Cacapon State Park, WV

Role: Inspector

- Performed monthly inspections on trail construction progress. - Assured the trails were built in accordance with provided plans and WVDNR guidelines. - Tested trails for appropriate difficulty and safety of features. - Tracked and approved billable units constructed by contractor.





5.0

Project Experience



Civil & Environmental Consultants, Inc.

FROG HOLLOW RAIL TRAIL

OWNER/CLIENT

City of Martinsburg

LOCATION

Martinsburg, WV

CEC SERVICES

ADA Accessibility Analysis

Geotechnical Engineering

Landscape Architecture/Land Planning

Predevelopment Site Investigations

Site Grading/Earthwork Analysis

Site Infrastructure Maintenance/
Rehabilitation

Slope Stability/Retaining Structure Design

Stormwater Management/BMP Design

Sustainability Planning/Design

Utility Design

Aerial Photography/Videography

Horizontal & Vertical Control Surveys

LiDAR Surveys – Short and Long Range

Photogrammetric and 3D LiDAR
Topography

Railway Surveys

Route/Right of Way Surveys

Topographic Surveys

Construction Management

Construction Services

Structural Engineering

OWNER OBJECTIVE

The City of Martinsburg, West Virginia wants to bring an environmentally conscious 'Green Way' to the area, utilizing abandoned railway stretches and existing historical routes to connect downtown Martinsburg to the existing West Virginia Route 9 Bike Path and future planned sections of accessible trails throughout the County. This 'Green Way' will eventually connect Oatesdale Park, Lake Thomas, War Memorial Park, and beyond.

The City aims to provide pedestrian and biker safety along the path by cleaning up the surrounding area and offering a safe and reliable route for the public to enjoy. Due to the inherent contamination present in the vicinity of railroads, it has been discussed at length what needs to be done to protect the health and safety of the public while using the trail.

CEC APPROACH

CEC worked with the City of Martinsburg and the contractor to devise an equitable solution for public safety, constructability, and cost. Our team utilized the existing railroad grade and ballast stone for the trail pavement subgrade, sealing any contaminants present in the base material with a crusher run base layer and a pavement cap. For areas outside of the trail path, a soil cap was provided over any materials excavated within the site. Stormwater structure repairs and replacements also occurred to support a safe pathway for pedestrians and provide more efficient water conveyance. Bioswale areas were installed for stormwater runoff treatment from the newly paved pathway.

At the head of the trail, a new stormwater detention pond was proposed in order to capture runoff from adjacent streets prior to being released into the nearby Tuscarora Creek. This pond is the central point of the 'green space' at the head of the trail. This area will feature a crushed stone walking path around the pond, park benches, bicycle rack, and an assortment of new trees.

Throughout the length of this approximately 1 mile trail are roadway tie-ins, removable bollards, and a three-rail fence in order to provide users with a safe continuous pathway while also preventing unauthorized vehicle use along the trail. The trail crosses three city streets, meaning that roadway striping, signage, and trail signage were necessary to provide a safer crossing for trail users and motorists.





Civil & Environmental Consultants, Inc.

TOMLINSON RUN STATE PARK TRAIL IMPROVEMENTS

OWNER/CLIENT

West Virginia Division of Natural Resources

LOCATION

New Cumberland, WV

CEC SERVICES

ADA Accessibility Analysis

Landscape Architecture/Land Planning

Bathymetric/Hydrographic Surveys

LIDAR Surveys – Short and Long Range

OWNER OBJECTIVE

The West Virginia Division of Natural Resources (WVDNR) is a state agency that manages and protects natural resources in the state, from wildlife resources to state parks. According to the West Virginia Department of Commerce, WVDNR preserves and protects natural areas of unique scenic, scientific, cultural, archaeological, or historic significance while also providing countless outdoor recreational opportunities for West Virginia residents and visitors.

To complement a stream mitigation project within Tomlinson Run State Park, the WVDNR wished to make a new trail alignment and enhance the amenities found along these trails. This would improve the visitor experience at the State Park and encourage visitors to be more engaged with the surrounding park ecosystem. Tomlinson Run State Park is located near the top of the northern panhandle in West Virginia. The 1,398 acres include a heavily forested wilderness area and a developed area with traditional park amenities, such as hiking, fishing, boating, swimming, and camping.

CEC APPROACH

Following the analysis of existing site conditions and the proposed stream mitigation design, CEC proposed a trail alignment that best followed the improved stream and wetland areas. Identified platform locations were chosen following the analysis and were based on areas with the best fishing access or the best views.

The stream mitigation project included the transformation of three earthen dam ponds into wetlands and the restoration of the South Fork Tomlinson Run for improved fish habitat. Our proposed trail improvements complement the mitigation project and showcase the work that was completed. Care had to be taken during the design phase of the project to ensure that the proposed improvements were ADA compliant, due to the steep terrain found at the site.

The final design included approximately 3,000 feet of trail improvements, six fishing platforms (three of which are ADA compliant), two overlook platforms with views of the wetlands, a bird blind, and interpretive signage explaining the surrounding wildlife and the importance of the environmental work being completed. The final design enhanced park amenities for visitors. The project was completed in July 2022.



BLACKWATER RIVER LOOP TRAIL

OWNER/CLIENT

Friends of Blackwater, Inc.

LOCATION

Tucker County, WV

CEC SERVICES

- Geotechnical Engineering
- Landscape Architecture/Land Planning
- Wetlands & Waters Delineations
- NPDES Permitting Support
- Environmental Assessment
- Boundary Retracement Surveys
- LiDAR Surveys – Short and Long Range
- Ortho-Rectified Imagery
- Route/Right of Way Surveys
- Subdivision, Easement, and Conveyance
- Topographic Surveys
- Unmanned Aerial Services
- Structural Engineering

OWNER OBJECTIVE

Friends of Blackwater, Inc. is a non-profit organization that works to protect and promote natural beauty, diverse creatures, unique heritage, and the outdoor recreation economy in the Mid-Atlantic Allegheny Highlands, home to the Blackwater Canyon in eastern West Virginia.

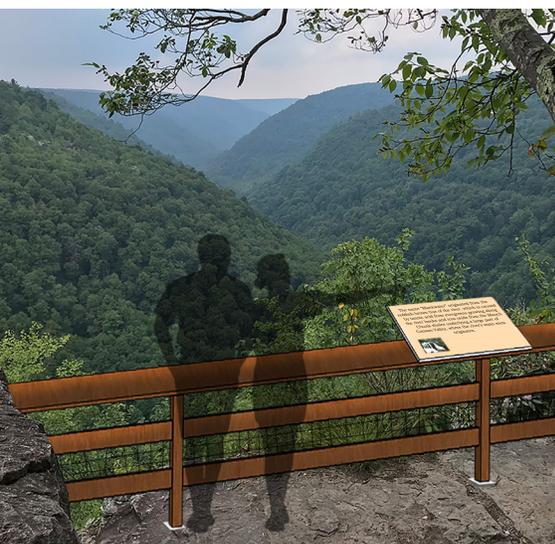
Friends of Blackwater was looking to construct a trail that would begin in Davis, West Virginia and connect to Thomas, West Virginia. This new trail will connect existing trails within Blackwater Falls State Park and create a walkway between Davis and Thomas. Additionally, Friends of Blackwater wished to address safety concerns on the site. Uneven and slippery terrain around the falls has historically caused injury, and even death, to visitors. Elements along the trail would include drainage improvements, overlooks, and four pedestrian bridges.

CEC APPROACH

Through several site visits, CEC will analyze the site to determine the best trail alignment, bridge crossings, and observation platforms. The site's steep topography would need to be analyzed to establish the best trail alignment. The design team will coordinate with several state and federal agencies to ensure the trail design followed all required guidelines. As part of the trail planning process, CEC would also perform an environmental assessment of the area. The proposed trail would track through environmentally sensitive land. With some of the site classified as possible habitats for the Cheat Mountain Salamander, an endangered species, additional habitat studies would need to take place to follow best design practices and ensure the trail would not be affecting this population.

The placement of bridges and overlooks will best capture the scenery of the surrounding West Virginia landscape, including views of Pendleton Falls, Douglas Falls, and Blackwater Canyon. Providing designated viewing areas will direct visitors to safe areas without minimizing the beauty of these natural features.

Completion of this project will benefit the region's outdoor recreation economy, a rapidly expanding industry in the state. It will create a safe pedestrian corridor between the towns of Thomas and Davis, will promote several significant natural attractions in the area, and will enhance overall safety at the state park. This trail will also help address environmental concerns by providing a designated trail for pedestrians to utilize, assisting in unnecessary site disturbances, and safely spreading out many visitors at Blackwater Falls State Park.





Civil & Environmental Consultants, Inc.

COOPERS ROCK STATE PARK

OWNER/CLIENT

West Virginia Division Of Natural Resources

LOCATION

Monongalia County, WV

CEC SERVICES

Erosion & Sedimentation Control/NPDES Permitting

Geotechnical Engineering

Site Grading/Earthwork Analysis

Stormwater Management/BMP Design

Utility Design

Wetlands & Waters Delineations

Detailed Design

Construction Quality

Aerial Photography/Videography

Topographic Surveys

Construction Management

OWNER OBJECTIVE

WVDNR and WV Tourism planned upgrades to Coopers Rock State Forest to provide additional 25 RV site locations, 20 A-frame cabins and dark sky initiatives. The goal of the project is to make the location a minimum of net zero on revenues to provide sustainable state forests and parks throughout the state.

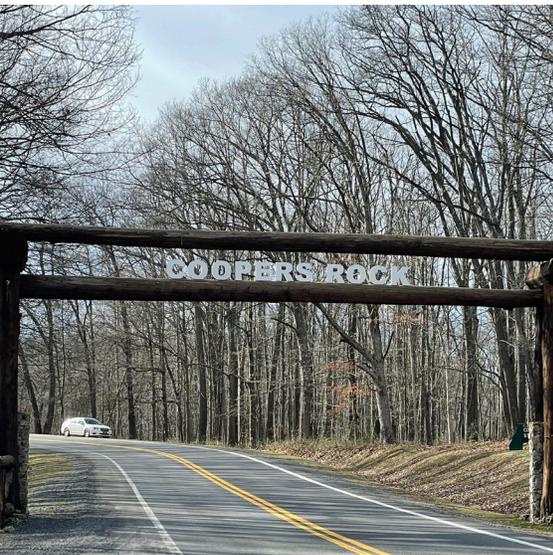
CEC APPROACH

CEC engaged with WVDNR through 5G process to be selected based on quality qualifications and was selected to design and provide construction management services during bidding and construction of the project. CEC utilized expertise in state park master planning and civil site design to design and coordinate approvals and permitting to complete 25 RV sites and a planned 20 A-frame cabin loop for the planned \$7.25 million project. CEC started the project by collecting survey topo, utilities and site features to prepare a base map to develop concept plans.

CEC coordinated with WVDNR representatives including the WVDNR director and secretary of tourism to utilize the planned locations. CEC then provided a geotechnical investigation to provide a balanced and stable site design. CEC proceeded to complete site development design for the RV locations, cabin locations and site utilities with the oversight of sub ZMM which designed the electrical systems and the A-frame cabins. CEC has provided bidding support and construction management including site QC testing of fill, concrete and asphalt placement.

In addition to the utility design CEC provided a pump station design to provide sanitary sewer service to the cabins and pump to a planned sanitary sewer treatment system located near the RV site location. During the bid process and planned construction execution CEC teamed with WVDNR and WV State Forest to mark and provide marketable timber during the clearing and grubbing phase. One of the key features during the design and development of the project was to maintain existing trees to provide the feel of an established state park location.

CEC has successfully overseen 90% of the completion of the project to date and is planning additional projects and bids with WVDNR.



5.1 Demonstrated Outcomes and Measurable Success

CEC's project experience is not only extensive but also results-driven. Across our portfolio of public-sector infrastructure and environmental projects, we have consistently delivered measurable outcomes that align with client goals for cost-efficiency, schedule adherence, and regulatory compliance.



On-Time Delivery

In our recent work with the West Virginia Division of Natural Resources at Coopers Rock State Forest, CEC completed 90% of the project scope within the original construction schedule, despite challenging terrain and phased implementation requirements. Our proactive coordination and adaptive scheduling minimized delays and ensured uninterrupted park operations.



Regulatory Efficiency

On multiple projects involving NEPA and Clean Water Act permitting, including the Tomlinson Run State Park Trail Improvements, CEC achieved permit approvals within 90 days of submittal—well below the regional average—due to our established relationships with WVDEP and the U.S. Army Corps of Engineers.



Cost Control and Value Engineering

For the City of Martinsburg's Frog Hollow Rail Trail, CEC's design team implemented a subgrade stabilization strategy using existing railroad ballast, which reduced material import costs by approximately 18% and shortened construction time by two weeks. These savings were reinvested into additional stormwater improvements and trail amenities.



Public Safety and Environmental Impact

At Blackwater River Loop Trail, our design reduced pedestrian risk by eliminating 3 hazardous crossings and directing foot traffic to designated overlooks. Additionally, our erosion control measures reduced sediment runoff by an estimated 40% during construction, protecting adjacent aquatic habitats.

These examples reflect our commitment to delivering not just compliant and functional infrastructure, but also tangible value to our clients and the communities they serve. We welcome the opportunity to bring this same level of performance to the French Creek WMA Wildlife Protection Fence project.

6.0 Local Knowledge and Stakeholder Coordination

CEC's presence and experience in West Virginia uniquely position us to deliver responsive, informed, and collaborative services for the French Creek WMA USDA Wildlife Protection Fence project. Our deep-rooted understanding of the region's environmental, regulatory, and operational landscape enables us to anticipate challenges and coordinate effectively with all project stakeholders.

Offices and Staff in West Virginia

CEC maintains fully staffed offices in key locations across West Virginia, including Morgantown, Bridgeport, and Charleston. These offices are home to multidisciplinary teams of engineers, environmental scientists, GIS specialists, and project managers who are familiar with the state's terrain, infrastructure, and permitting processes. Our local personnel are immediately available to support fieldwork, stakeholder meetings, and construction oversight, ensuring rapid mobilization and continuity throughout the project lifecycle.

Relationships with Local and State Agencies

Over the past two decades, CEC has cultivated strong working relationships with numerous West Virginia agencies, including the Division of Natural Resources, Department of Environmental Protection, and Department of Transportation. These relationships are built on a foundation of trust, transparency, and consistent performance. Our familiarity with agency expectations and communication protocols allows us to streamline coordination, expedite reviews, and ensure alignment with state and federal regulatory frameworks.

Experience with Appalachian Infrastructure

CEC has extensive experience delivering infrastructure projects throughout the Appalachian region, where topographic complexity, ecological sensitivity, and community engagement are critical success factors. Our portfolio includes wildlife fencing, stream restoration, slope stabilization, and access road design—often in remote or environmentally sensitive areas. We understand the importance of balancing ecological protection with infrastructure resilience and public access, and we apply this knowledge to every phase of project planning and execution.



7.0 References

Jason Dingess

Environmental Superintendent- Compliance
WNDNR
304-558-2764

Judy Rodd

Director
Friends of Blackwater
304-345-7663

Joe Shuttleworth

Director of Parks and Recreation
City of Bridgeport
304-842-8243

Mr. Tony Michalski

Executive Director of Parks and Recreation
Marion County Parks and Recreation
304-363-7037

Kristie Tenney

County Commissioner
Upshur County
304-439-4698

“CEC has been responsive, mindful of costs, and have addressed any obstacle or issue with sound judgement. They have proven an ability to work with City staff, contractors, and other stakeholders to resolve or eliminate problems. I consider them a very important part of the success of our projects. We have been pleased with the quality of work performed by CEC and the responsiveness of their staff. I would recommend CEC to any government agency looking for professional planning or engineering services. – Joe Shuttleworth, Director of Parks and Recreation, City of Bridgeport

“The City appreciates the time and effort of the staff at CEC, to ensure Mayor and Council’s initiatives are completed in a timely fashion. The City is proud of the public improvements we are able to complete throughout the City’s residential and commercial neighborhoods.

CEC is truly a part of our success.” – Mark Baldwin, Former City Manager, City of Martinsburg



8.0 Additional Documents



CERTIFICATE OF
Authorization

STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS

The West Virginia State Board of Registration for Professional Engineers having verified the person in responsible charge is registered in West Virginia as a professional engineer for the noted firm, hereby certifies

CIVIL & ENVIRONMENTAL CONSULTANTS, INC.
C02231-00

Engineer in Responsible Charge: STEVEN A. CAIN - WV PE 015264
has complied with section §30-13-17 of the West Virginia Code governing the issuance of a Certificate of Authorization. The Board hereby notifies you of its certification with issuance of this Certificate of Authorization for the period of:

January 1, 2024 - December 31, 2025

providing for the practice of engineering services in the State of West Virginia.

IF YOU ARE REQUIRED TO REGISTER WITH THE SECRETARY OF STATE'S OFFICE, PLEASE SUBMIT THIS CERTIFICATE WITH YOUR APPLICATION.

IN TESTIMONY WHEREOF, THE WEST VIRGINIA STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS HAS ISSUED THIS COA UNDER ITS SEAL AND SIGNED BY THE PRESIDENT OF SAID BOARD.

Scott E. Thomas Jr.
BOARD PRESIDENT

WEST VIRGINIA BOARD OF PROFESSIONAL SURVEYORS

Certificate of Authorization
Civil & Environmental Consultants, Inc.
Bridgeport, WV

CERTIFICATE OF AUTHORIZATION # 25-5847

This certificate is issued by the West Virginia Board of Professional Surveyors in accordance with W.Va. Code §30-13A-20. The person or organization identified on this certificate is licensed to conduct professional surveying and mapping services in the State of West Virginia for the period

January 1, 2025 through December 31, 2025

This certificate is not transferable and must be displayed at the office location for which issued.
In witness whereof, I have put my hand, this 31 day of March 25

2025

Sefton R. Stewart
Sefton R. Stewart, P.S., Chairman
Lantz G. Rankin, P.S., Member
Douglas C. McElwee, Esq.

James T. Rayburn
James T. Rayburn, P.S., Secretary
Gary Facemyer, P.E., P.S., Member
Public Member

State of West Virginia

Certificate

I, Mac Warner, Secretary of State of the State of West Virginia, hereby certify that

CIVIL & ENVIRONMENTAL CONSULTANTS, INC.

a corporation formed under the laws of Pennsylvania filed an application to be registered as a foreign corporation authorizing it to transact business in West Virginia. The application was found to conform to law and a "Certificate of Authority" was issued by the West Virginia Secretary of State on December 29, 1994.

I further certify that the corporation has not been revoked by the State of West Virginia nor has a Certificate of Withdrawal been issued to the corporation by the West Virginia Secretary of State.

Accordingly, I hereby issue this Certificate of Authorization

CERTIFICATE OF AUTHORIZATION

Validation ID:7WV67_WPSPK



*Given under my hand and the
Great Seal of the State of
West Virginia on this day of
October 10, 2024*

Mac Warner

Secretary of State

Notice: A certificate issued electronically from the West Virginia Secretary of State's Web site is fully and immediately valid and effective. However, as an option, the issuance and validity of a certificate obtained electronically may be established by visiting the Certificate Validation Page of the Secretary of State's Web site, <https://sos.wv.gov/onlinebusinessregistration/validate.aspx> entering the validation ID displayed on the certificate, and following the instructions displayed. Confirming the issuance of a certificate is merely optional and is not necessary to the valid and effective issuance of a certificate.

**WEST VIRGINIA
STATE TAX DEPARTMENT
BUSINESS REGISTRATION
CERTIFICATE**

ISSUED TO:
**CIVIL & ENVIRONMENTAL CONSULTANTS INC
120 GENESIS BLVD
BRIDGEPORT, WV 26330-9665**

BUSINESS REGISTRATION ACCOUNT NUMBER: **2014-2928**

This certificate is issued on: **05/12/2022**

*This certificate is issued by
the West Virginia State Tax Commissioner
in accordance with Chapter 11, Article 12, of the West Virginia Code.*

*The person or organization identified on this certificate is registered
to conduct business in the State of West Virginia at the location above.*

This certificate is not transferable and must be displayed at the location for which issued.
This certificate shall be permanent until cessation of the business for which the certificate of registration was granted or until it is suspended, revoked or cancelled by the Tax Commissioner.

Change in name or change of location shall be considered a cessation of the business and a new certificate shall be required.

TRAVELING/STREET VENDORS: Must carry a copy of this certificate in every vehicle operated by them.
CONTRACTORS, DRILLING OPERATORS, TIMBER/LOGGING OPERATIONS: Must have a copy of this certificate displayed at every job site within West Virginia.

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Civil & Environmental
Consultants, Inc.

3574 Teays Valley Road | Hurricane, WV 25526 | www.cecinc.com