



The following documentation is an electronically-submitted vendor response to an advertised solicitation from the *West Virginia Purchasing Bulletin* within the Vendor Self-Service portal at ***wvOASIS.gov***. As part of the State of West Virginia's procurement process, and to maintain the transparency of the bid-opening process, this documentation submitted online is publicly posted by the West Virginia Purchasing Division at ***WVPurchasing.gov*** with any other vendor responses to this solicitation submitted to the Purchasing Division in hard copy format.

Header @ 1

[List View](#)

General Information | [Contact](#) | [Default Values](#) | [Discount](#) | [Document Information](#) | [Clarification Request](#)

Procurement Folder: 1717189

Procurement Type: Central Purchase Order

Vendor ID: 000000204737

Legal Name: CTL ENGINEERING OF WV INC

Alias/DBA:

Total Bid: \$0.00

Response Date: 08/19/2025

Response Time: 16:39

Responded By User ID: ctleng

First Name: Joe

Last Name: Stanley

Email: jstanley@ctleng.com

Phone: 304-376-2536

SO Doc Code: CEOI

SO Dept: 0313

SO Doc ID: DEP2600000001

Published Date: 8/13/25

Close Date: 8/20/25

Close Time: 13:30

Status: Closed

Solicitation Description: AML - EOI Pre-Qualification for Consultants

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: 1717189
Solicitation Description: AML - EOI Pre-Qualification for Consultants
Proc Type: Central Purchase Order

Solicitation Closes	Solicitation Response	Version
2025-08-20 13:30	SR 0313 ESR08192500000001146	1

VENDOR
000000204737
CTL ENGINEERING OF WV INC

Solicitation Number: CEOI 0313 DEP2600000001
Total Bid: 0
Response Date: 2025-08-19
Response Time: 16:39:07
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	EOI Engineering Design Services				0.00

Comm Code	Manufacturer	Specification	Model #
81100000			

Commodity Line Comments: Pre Qual

Extended Description:
EOI Engineering Design Services



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

Proc Folder: 1717189			Reason for Modification:
Doc Description: AML - EOI Pre-Qualification for Consultants			
Proc Type: Central Purchase Order			
Date Issued	Solicitation Closes	Solicitation No	Version
2025-08-01	2025-08-20 13:30	CEOI 0313 DEP2600000001	1

BID RECEIVING LOCATION

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

VENDOR

Vendor Customer Code:

Vendor Name : CTL Engineering, Inc.

Address : 1091 Chaplin Road

Street :

City : Morgantown

State : WV **Country :** USA **Zip :** 26554

Principal Contact : Alanna Keller

Vendor Contact Phone: 304-483-4650 **Extension:**

FOR INFORMATION CONTACT THE BUYER

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

Vendor
Signature X

Alanna Keller

FEIN# 55-0631834

DATE 8/19/2025

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



EXPRESSION OF INTEREST
EOI – Pre-Qualification for Consultants
CEOI 0313 DEP2600000001
August 20, 2025





TABLE OF CONTENTS

Section Description	Page
SECTION 1 – INTRODUCTION	
Letter of Interest	1-2
SECTION 2 – FIRM AND SUBCONSULTANT INFORMATION	
Profile of Firms	3-5
Technical Areas of Strength	5-9
SECTION 3 – PROJECT OVERVIEW	
Project Overview	10
Project Goals	10-11
Project Management Plan	11-13
Ability to Complete Project	14
SECTION 4 – PROJECT PERSONNEL	
CTL Organizational Chart	15
Resumes	16-38
SECTION 5 – PAST PERFORMANCE	
Past Project Experience	39-43
Other AML and Relevant Past Experience	44-45
SECTION 6 - ATTACHMENTS	
Designated Contact	46
CCQQ Attachment A	47-87
RPEM Attachment B.....	60, 74, 87
AML Contractor Form OMB / AVS.....	88-106
Addendums	107
COAs.....	108-111

SECTION 1

INTRODUCTION





August 19, 2025

West Virginia Department of Environmental Protection
Office of Abandoned Mine Lands and Reclamation
601 57th Street SE
Charleston, WV 25304

Re: CEOI 0313 DEP2600000001
Expression of Interest
Engineering Design Services
AML – EOI Pre-Qualification for Consultants

Joseph (Josh) E. Hager III;

CTL Engineering, Inc. (CTL) is pleased to present this Letter of Interest to provide architectural/engineering services pursuant to HB 3429 for the West Virginia Department of Environmental Protection's (WVDEP) Abandoned Mine Lands and Reclamation Program. With over 98 years in the business, we feel our team can provide the professionals and facilities that the State of West Virginia is looking for.

CTL has evolved into a recognized leader in engineering design and field reconnaissance associated with the mitigation of abandoned mine lands (AML). Our professional staff includes: Civil & Mining Engineers, Geotechnical Engineers, CAD Designers, Surveyors, Geologists, Hydrologists, and Biologists. In addition to the staff we have available, CTL's West Virginia staff also has direct AML experience.

With our qualified staff, CTL can provide the necessary services to deliver a quality product to support your program's needs. CTL has our own laboratory facilities, drilling rigs, surveying systems, and design equipment. We are experienced in completing more than 50 projects annually that require aerial mapping, support surveying with GPS, and final contouring for design.

Our in-house staff's ability goes beyond simply being an AML design firm. We have extensive experience in project management, design, and contract administration, adhering to West Virginia's operational and procedural requirements. Our invoicing procedures and accounting software have been accepted, used, and audited by various state agencies. With offices in Charleston and Morgantown, WV, CTL can cover projects in all areas of the State.

CTL, as the lead for the project, has a primary staff with over 125 years of experience with mine reclamation, on both the national and international levels. Our qualifications and facilities are unsurpassed in Abandoned Mine Reclamation Design. With offices in Charleston and Morgantown, we can effectively respond to any AML Design tasks throughout West Virginia. In addition, we have a dedicated design team available to complete AML design projects. Our staff members have extensive experience in reclamation design, highwall elimination, abandoned portal seals, and drainage control structures. The Sullivan Refuse Project is similar in scope to more than 35 AML design projects that we have completed. Attached to this EOI are numerous examples of similar projects which we have successfully designed and completed.

CTL has provided designs and specifications for Public Projects and Private entities throughout the region. CTL has completed numerous landslide projects in several different states, for both private and public entities. CTL is currently working with county engineers and townships on several Federal Emergency Management Agency (FEMA) federally funded landslide projects in Ohio. Since 2018, CTL has completed over 60 landslide projects in the FEMA program. All of



CTL's geotechnical engineers listed on this project have numerous years of experience with landslide evaluation, stabilization and repair.

To ensure delivery of contracts as expeditiously as possible, CTL has created a strong team of local firms with various expertise to work to provide WVDEP with consistent service that you have become accustomed to. CTL's team will consist of the **Markosky Engineering Group, Inc.** (Markosky) and **Greenman-Pederson, Inc.** (GPI).

Markosky will provide National Environmental Policy Act (NEPA) services for the project. Markosky brings valuable knowledge and local experience to the project. Markosky is currently providing NEPA services for the West Virginia Division of Highways (WVDOH) and has an office in Charleston, WV. Markosky will also be available to address potential environmental permitting or construction issues. CTL and Markosky continually team on projects throughout the region.

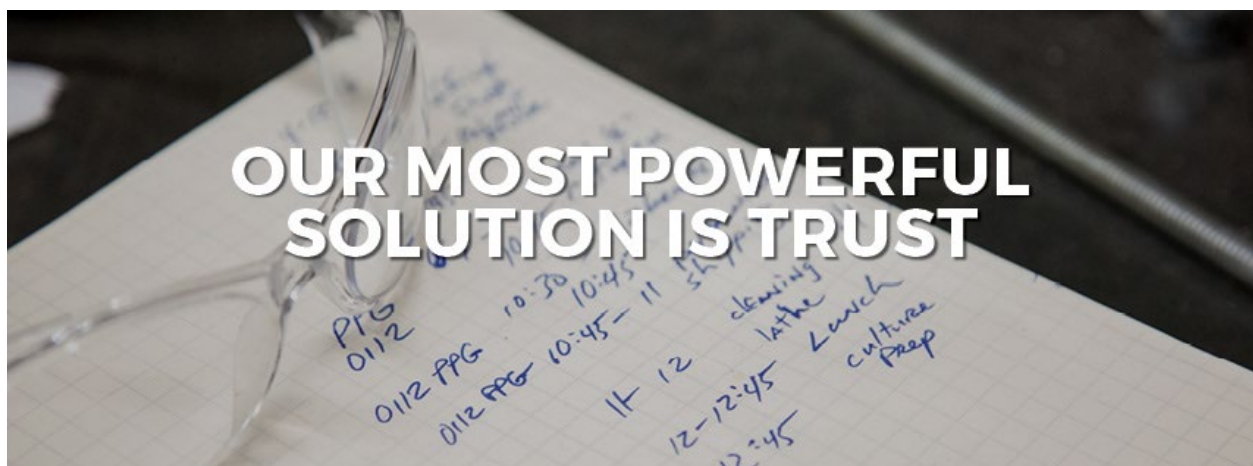
GPI will be responsible for survey and mapping on the projects, Realty and Right of Way Services, and assist with construction services. GPI has local offices in Morgantown and Scott Depot, WV. GPI has a long history of providing these services to the State of West Virginia, in particular, WVDOH. GPI and CTL have partnered on many projects in West Virginia and Ohio.

Our team has the experience and knowledge to provide services to all levels for the public and private sectors. The general engineering requirements in your request describe the areas of expertise and experience of the team.

We appreciate the opportunity to submit these qualifications to you for consideration. Should you have any questions or need additional information, please contact me at (304) 483-4650.

Respectfully submitted,
CTL Engineering of West Virginia, Inc.

Alanna J. Keller, P.E.
Principal



SECTION 2

FIRM AND SUBCONSULTANT INFORMATION





FIRM INFORMATION – CTL Engineering, Inc.

CTL is a full-service consulting civil & geotechnical engineering, drilling, materials testing and construction observation service company. CTL was established in 1927 in Columbus, Ohio, as an independent engineering testing laboratory serving the local community. CTL has been in the WV region since 1983. Since 1927, our expertise has focused mainly on foundation engineering, construction testing, and inspection services.



The CTL locations in West Virginia have a state-wide staff of over 20 people, including licensed professional engineers, licensed land surveyors, environmental scientists, geologists, and certified engineering technicians. Nationwide, CTL has a staff of over 400 employees, providing additional professional expertise as well as staff and equipment resources for meeting project needs and goals.

Over our 40 years in West Virginia, CTL has provided numerous civil site designs, geotechnical designs, stormwater plans and surveys for commercial and residential developments and roadway projects. We have successfully prepared State and Federal 401 and 404 Permit submittals, MS4 Phase II stormwater permits, and conducted Environmental Site Assessments. CTL also has significant experience working on mining-related projects, including mine plans and permitting, mine refuse reclamation and subsidence evaluations. These projects were completed through conscientious collaboration with Architects, Engineers, State and Federal Agencies, and Owners.




CTL has certified engineering and laboratory technicians providing material testing and construction observation services. Our Morgantown, WV lab is annually inspected by the West Virginia Division of Highways (WVDOH). CTL maintains a fleet of four (4) drill rigs, including truck-mounted and rubberized track-mounted rigs in West Virginia. Our crews have experience in steep terrain, barge drilling, and deep boring exploration to depths greater than 300 feet. Additionally, CTL has a total of 13 drill rigs, allowing CTL to place multiple rigs on one site if the project schedule demands.





FIRM INFORMATION – Sub consultants

While CTL can provide the anticipated services in-house, we have added the following highly qualified and experienced firms to our Team to augment our capabilities.

Strategic Team Partners	
Firm	Role
	Project Management Civil Design / Geotechnical / Construction Inspection
	Construction Inspection / Survey / Realty
	Environmental

CTL will lead the Team and will provide the required services as a seamlessly integrated Team.

Greenman-Pedersen, Inc. (GPI), established in 1966, is a multi-disciplined engineering firm that provides professional design, planning, and construction management/inspection services to all levels of government and industry. In this short period, GPI has grown from a two-man consulting firm to a corporation earning a ranking among “Engineering News-Record’s” top 100 national engineering firms. With a staff of over 1,800 professionals, offices throughout the United States, and access to specialized services, GPI is positioned to provide the required resources to complete each client’s specific assignment.

In the State of West Virginia, GPI delivers design services, construction management and inspection services, coatings inspection services, surveying services, and bridge inspection services. Our staff have provided construction management, inspection, design, and survey/mapping services to all 10 Districts of The West Virginia Division of Highways (WVDOH) and private clients throughout West Virginia, utilizing P3, design-build, and design-bid-build project delivery methods. These projects range from multi-million-dollar roadway/bridge projects requiring coordination with multiple GPI disciplines to smaller projects that require only one GPI discipline to complete.

The Markosky Engineering Group, Inc. (Markosky) is headquartered in Ligonier, PA. They have offices in Charleston, WV; Steubenville, OH; and York, PA. Their Charleston Office will take the lead on this proposal and potential projects.

Markosky is a Woman-Owned Disadvantaged Business Enterprise that employs over 80 professionals, including nine (9) environmental scientists and planners with experience completing NEPA documentation (including Environmental Impact Statements, Environmental Assessments, and Categorical Exclusions) on behalf of a variety of lead federal agencies in numerous states, including West Virginia, Pennsylvania, Ohio, Indiana, North Dakota, Colorado, Wyoming, and North Carolina.





Markosky provides environmental consulting, construction management/inspection, and civil engineering services to public and private sector clients, including the following:

- NEPA compliance and permitting
- Regulatory agency coordination
- Environmental consulting, planning, and permitting
- Wetland /stream delineation and functional assessments
- Botanical surveys
- Threatened & Endangered (T&E) species coordination
- Waterway permitting
- Stream and wetland restoration and mitigation design
- Water sampling
- AMD treatment design
- Regulated material reviews
- Construction management and inspection
- Cultural resource investigations
- Geomorphological surveys
- Phased archaeological investigations
- Above-ground historic structures evaluations
- Section 106 compliance
- Site restoration and grading design

TECHNICAL AREAS OF STRENGTH FOR THE TEAM

Engineering Categories	Technical Areas of Strength
Geotechnical Engineering Services	✓
Civil Site Design (Mining and Reclamation)	✓
Professional Surveying Services	✓
Environmental - NEPA	✓
Construction Inspection/Administration & Materials Testing	✓
Realty	✓



Geotechnical Capabilities - CTL

CTL Routinely Performs Subsurface Explorations and Soil and Rock Testing

CTL annually performs over 350 geotechnical explorations, including soil and rock testing, for highway, bridge, and geohazard projects throughout the states of West Virginia, Ohio, Indiana, and Kentucky. CTL owns and operates a fleet of 13 drill rigs, the largest of which can drill, core rock, and take samples up to 300 feet deep. Our rigs are capable of accessing difficult locations, since many of them are track-mounted, ATV, or 4-wheel drive truck-mounted rigs.

In addition, CTL utilizes in-house geophysical equipment and software to evaluate variations in subsurface conditions, such as the identification of the bedrock surface. These capabilities include Refraction Microtremor (ReMi), Electrical Resistivity Imaging (ERI) with Ground Penetrating Radar (GPR) equipment to locate voids or other anomalies. CTL also has Pile Driving Analyzer (PDA) equipment for performing dynamic testing of driven piles.



CTL houses AASHTO-accredited geotechnical testing laboratories in several office locations, which are each managed by Professional Engineers specializing in geotechnical engineering. These laboratories provide a detailed analysis of the surface and subsurface composition and chemistry of soils and rock encountered during geotechnical explorations. They are equipped to conduct Consolidation, Tri-axial Shear, Unconfined Compressive Strength, Direct Shear, Moisture Density Relationship (Proctor Tests), and California Bearing Ratio (CBR)

tests.

CTL is well-known for providing cost-effective, yet safe solutions to difficult subsurface conditions. We review a significant number of geotechnical reports prepared by others, providing alternative recommendations that are more constructible, less conservative, while still maintaining an appropriate factor of safety.

CTL has 20 geotechnical engineers, with most holding Master's degrees and Professional Engineer Registration.



Civil Site Design – CTL

CTL's Design Team has the capabilities to handle any size project.

The main goals of civil site design are functionality, quality, efficient use of space, and overall appearance. Our design team consists of qualified people who live and work in the area and take pride in seeing their designs benefit the community. We have performed civil site design services for a wide variety of projects throughout West Virginia, Pennsylvania, and Ohio. These projects consist of **mining and AML-related projects**, medical facilities, restaurants, and shopping centers. In addition, we have performed engineering for local school districts and universities. In our efforts to be a full-service company, we provide assistance through conceptual planning, the funding process, designing every element of a site, and managing the construction process, ensuring not only a quality product but also the success of our clients. These are some civil site design services we can offer:



CTL WV provides the following Civil Design services:

Complete Site Development	Infrastructure Planning and Design
Conceptual Design / Presentations	Reclamation Design
Stormwater Management	Permitting (NPDES)
Erosion and Sediment Control	As-Built Surveys and Drawings

Professional Surveying Services – GPI

The GPI Team understands the importance of surveying data collection for construction and engineering design projects.



With their in-state surveyors, they have over 75 years of surveying experience, many of whom work on WVDOT projects. GPI has structured its West Virginia survey group as a true extension of the WVDOT. Their equipment and data collection process follow WVDOT standards for seamless data integration. They have extensive experience with construction surveying procedures and construction projects, in general, with some staff having surveying capabilities as well as WVTRET Certification. For this project, GPI has the capabilities to collect data with the latest technologies,

by traditional methods, or a combination of both, to ensure the best deliverables for the task.

Unmanned Aerial Systems Services

GPI holds a Code of Federal Regulations (14 CFR) Section 333 Exemption from the Federal Aviation Administration (FAA). GPI's Section 333 Exemption No. 12229A allows GPI to operate drones commercially in the National Airspace System (NAS) under conditions and limitations outlined in the exemption. GPI also recognizes the FAA's recent announcement of new, small Unmanned Aircraft System (sUAS) Rule (Part 107), which amends the existing regulations to adopt specific rules for the operation of small Unmanned Aircraft Systems in the NAS. GPI is one of the few firms that meet and exceed Part 107 of FAA regulations for all drone operations, allowing their technical staff to provide: aerial photogrammetric mapping, topographic surveys,

and inspection services. Using FAA statutes as their guidelines, GPI can fly any project over land or water, in a timely manner, and deploy on a moment's notice if needed compared to traditional aerial approaches.

Aerial photogrammetry/LiDAR Data Collection

GPI is a recognized industry leader in providing aerial photography and mapping services. Through their multiple offices, they are able to provide Low Altitude Mapping Photography (LAMP) and an array of other specialized precision mapping services. GPI is known for its specialized experience and technical competence in all positioning services utilizing photogrammetry and surveying. GPI's execution of multiple DOT open-ended engineering, survey and photogrammetry contracts have included the following services: vertical and oblique aerial photography acquisition using a variety of aircraft including helicopters; aerial film processing, printing, and enlargements in black and white, color and color infrared; Airborne GPS; remote sensing such as LiDAR, SAR; and scanning of aerial film. Furthermore, ***GPI has in-house capabilities to perform all of these services.*** GPI have multiple fixed-wing aircraft equipped with Airborne GPS, high-quality cameras, and LiDAR. In addition, GPI has a large photo lab equipped with processors, enlargers, photo printers, and high-resolution scanners.

Construction Administration & Inspection – CTL and GPI

CTL's Construction Administration Services Include On-site Daily Inspections

Federal, State, and locally funded Construction Projects require a high level of administration and quality control to meet the project's demands. Counties, Municipalities, as well as private owners, developers, and contractors, have selected CTL for Construction Administration, knowing that we have the skilled staff to provide accurate, dependable, and timely services. Our experienced engineers, inspectors, and technicians are your partners in construction. We help complete these projects successfully and meet the specific project requirements.



CTL's qualified construction inspectors will observe and inspect your construction project and complete the necessary daily documentation required by the Federal, State, and Local funding agencies participating in the project. CTL also provides in-house testing services, such as concrete, asphalt, and sub-grade compaction, as well as daily on-site inspection services.

CTL also added **GPI** to the team to enhance construction services.

GPI - Construction Management and Inspection Services

Providing a full staff of Construction Services for the clients' infrastructure projects has been a vital part of GPI since its inception in 1966. Innovation, quality, and diversity are just some of the trademarks of GPI's talented and dedicated Construction Services staff. On land, underwater, or high in the air, their highly trained staff is committed to providing the support necessary to complete the clients' projects on schedule and within budget.

All inspectors will be experienced, trained, and prepared to satisfy WVDEP as to the adequacy and correctness of the work they are inspecting. They do not take things for granted and have a keen sense of curiosity, while being proactive in their duties, without losing sight of the integrity

level that is expected to be maintained in this profession. The competent inspection of the work is primary to the construction project. Although the Plans and Specifications for a project are carefully prepared by professionals, if substandard materials and poor workmanship are incorporated into the project, the entire effort could be defeated.

Materials Testing and Laboratory Services - CTL

CTL is a Leader in Providing Testing Services to the Construction Industry

We maintain a staff of experienced personnel and accurate equipment to provide dependable results. We evaluate all types of construction materials. Additionally, CTL can prepare and test Portland Cement and bituminous concrete mixes for optimization studies to determine the proper mix design for specific jobs.

CTL offers petrographic examination of construction materials. These specialized microscopic evaluations allow us to closely evaluate concrete quality and determine the causes and extent of failures in concrete, as well as potential future performance.

In addition to the standard American Society for Testing and Materials (ASTM) tests of strength, absorption, dimensions, unit, weights, etc., CTL provides several specialty tests on concrete block and brick, including the fire rating test, specified by the BOCA, and efflorescence testing required by many architectural firms.



Environmental Services – Markosky

Markosky has completed environmental services projects in West Virginia for WVDEP, WVDOH, and private clients.

Markosky has successfully provided environmental services on roadway corridor improvement projects. Markosky has not yet been evaluated formally for any projects, but on the Greenbag Road Improvement Project, for which we completed the Environmental Assessment (EA) and the Finding of No Significant Impact (FONSI), the FHWA recommended that our report formats be utilized for any future DOH EAs and FONSI.

Realty Services - GPI

At GPI, our Realty Services team is committed to delivering accurate, timely, and compliant results.

GPI brings a client-focused approach to every project, emphasizing clear communication, regulatory adherence, and practical solutions that reduce risk. Their proven experience in real estate support services ensures that transportation and infrastructure projects across West Virginia are advanced efficiently, responsibly, and with the highest level of professional integrity. Their services include:

- Property Management
- Deed Research
- Professional Plats
- Property Dispute Resolution
- Right-of Way Questionnaires
- Rights of Entry / Letters of Authorization



SECTION 3

PROJECT OVERVIEW



PROJECT OVERVIEW

WVDEP / AML Pre-Qualification

The West Virginia Department of Environmental Protection's Abandoned Mine Lands and Reclamation (WVDEP/AML) Program is soliciting Architectural/Engineering (A/E) services from Consultant Firms, licensed in the State of West Virginia, with a successful track record of permitting and designing reclamation projects, realty, and construction inspection, under HB 3429.

The contract(s) are anticipated to be advertised once a list of prequalified vendors is prepared based on EOI's received regarding "full service" A/E planning, realty, design, and construction oversight associated with the AML Program. This solicitation is only for prequalifying vendors. No specific project will be awarded from this solicitation.

PROJECT GOALS

AML Pre-Qualification

The project goals and objectives include, but are not limited to, those listed below. Vendors should discuss any anticipated concepts and proposed methods of approach for achieving each of the listed goals and objectives:

- Aspects of all Work shall comply with the Infrastructure Investment and Jobs Act (IIJA), including compliance with Davis-Bacon and Build America, Buy America (BABA), as well as all applicable Federal, State, and Local laws.
- Aspects of the Planning Work encompasses all related consultations, investigations, report generation, applications, etc. required to perform the Work, which may include, but may not be limited to: National Environmental Policy Act (NEPA) consultations, West Virginia Division of Natural Resources (WVDNR) consultation, West Virginia Historic Preservation Office (SHPO) consultation, West Virginia Regional Planning consultation, US Forest Service consultations, US Fish and Wildlife Service (USFWS) consultations, and any other consultation(s) or permit(s) needed to perform the Work. The above coordination includes, but may not be limited to: bat studies; threatened and endangered species investigations, analysis, and report generation; water quality sampling, data collection, and analysis.
- Aspects of the Realty Work encompass all necessary research and subsequent right of entry agreements being set into place for the sites to be sufficiently accessed, legally, for investigation and designed to be constructed. This may include, but may not be limited to: performing courthouse research to determine legal property ownership and dutifully documenting the findings, obtaining Exploratory Rights of Entry (EROE) from affected landowners/lessees, obtaining Construction Rights of Entry (CROE) from landowners/lessees, keeping logs of all communication with landowners, data collection, reporting, and possessing the capability of having boundary surveys performed on an as-needed basis. The successful A/E firm must obtain the rights of entry before performing any fieldwork on-site, and these rights of entry must include the successful A/E firm, the



WVDEP-DLR-AML, and the Office of Surface Mining Reclamation & Enforcement (OSMRE).

- Aspects of the Design Work may include, but may not be limited to: Civil, Geological, Hydrological, Survey (mapping), Process, Structural, Electrical, etc., as applicable. This encompasses all required engineering and survey (including current mapping and other related services) necessary to successfully design permanent engineered solution that fully address the issues/problems associated with each project. This also includes site and geotechnical investigations. Each design must fully remove/mitigate dangers to private individuals or the public that are currently present, not introduce new dangers, and be stamped by a Registered Professional Engineer in the State of West Virginia for design and a Registered Professional Surveyor in the State of West Virginia for survey deliverables. Design Work includes, but is not limited to: National Pollutant Discharge Elimination System (NPDES) construction stormwater General Permit registration, West Virginia Division of Highways (WVDOT) MM-109 encroachment permits, US Army Corps of Engineers (USACE) consultations, Department of Health Permits (for water lines, if applicable), and local permits, as applicable, including floodplain permits. Design Work could include, but is not limited to: developing construction plans and technical specifications for all aspects to reclaim mine portals, drainage controls and systems, slope stabilization, coal refuse and mine spoil reclamation, stream and/or channel restoration, subsidence repair, temporary and permanent access or accesses for construction and future maintenance, storm water and erosion and sediment control, regrading and revegetation, any required water treatment systems, and any remediation for all other conditions encountered on the project sites. The Design Work encompasses obtaining/maintaining/releasing all required permits.
- Aspects of the Construction Oversight Work may include, but may not be limited to: Daily Inspection with documentation for the duration of the Construction and through the warranty period until final release, Engineering Oversight/Support, review, and approval of contractor-provided as-builts, and Final Engineer's Certification Report of the project.

PROJECT MANAGEMENT PLAN

Our approach to the AML projects assigned to CTL will be similar to other AML projects we have been involved with. The typical Project Management Plan we have developed for these sites is as follows:

- The project manager will be solely responsible for the expedient and accurate completion of each phase of the individual projects performed under this contract. He/she will review the project sites and discuss the specific scope of work for the project with the project representative from WVDEP. A cost proposal will be prepared, in accordance with the contract unit rates, based upon an estimate of manpower, equipment, and laboratory needs.
- Once project sites are identified, CTL will release GPI to start the realty process to gather information and establish ownership for the subject properties. GPI will then proceed to obtain exploratory rights of entry for the reconnaissance portion of the project. As the



design matures, GPI will begin securing necessary rights of entry and agreements for construction and maintenance rights-of-way, respectively.

- Proposed federal actions require compliance with the National Environmental Policy Act of 1969 (NEPA) (42 USC 4321, *et seq.*), and the Council on Environmental Quality Regulations for Implementing NEPA (40 C.F.R. Parts 1500-1508), among other more discipline-specific regulations, including but not limited to: Section 7 of the Endangered Species Act (ESA) of 1973, as amended, and Section 106 of the National Historic Preservation Act of 1966. Through the preparation of NEPA documents (including Environmental Impact Statements, Environmental Assessments, and Categorical Exclusions) on behalf of numerous federal agencies, Markosky's technical staff possesses the knowledge and expertise to ensure compliance with these federal regulations. CTL's project manager will direct Markosky to begin the NEPA evaluation for the project.
- As NEPA requires all federal agencies to review and analyze the environmental consequences associated with proposed actions, the US Department of Interior (DOI) Office of Surface Mining Reclamation and Enforcement (OSMRE) is also required to comply with NEPA whenever the bureau proposes to take an action, or authorizes any other entity to take an action, that could affect environmental resources. For the proposed projects, Markosky will ensure that all DOI and OSMRE-specific NEPA protocols and procedures for AML reclamation are followed during preparation of the environmental review document(s) on behalf of the OSMRE. This will ensure that the significance of impacts for these AML reclamation projects is thoroughly evaluated in order to prepare the appropriate decision documents and allow the projects to move forward.
- CTL will then mobilize a fully equipped survey crew from GPI to set survey control and map the project site. Permanent control monuments will be established to ensure that the construction contractor can tie into the necessary baselines. The project manager will supervise the surveying tasks and provide budgetary control for this portion of the work.
- A geotechnical exploration and analysis will be performed to delineate the thickness of mine refuse to determine and design the optimum stable grading plan. This exploration will be performed with a focus on safety to ensure the local inhabitants and dwellings, as well as drilling and geotechnical personnel are safe. For Landslide projects, CTL will perform a geotechnical exploration to determine the cause(s) of the slip. We will prepare a geotechnical report, which will include proposed alternatives for the repair of the slip.
- Should field conditions dictate that additional work or a major modification is required, the project manager will contact the WVDEP representative immediately to confirm the changed conditions.
- Following completion of the surveying, geotechnical exploration, and any material sampling, the analytical design work will begin. The project manager and engineers will



review the project data, evaluate the feasibility of alternatives, and prepare a preliminary set of construction documents. The documents will include, at a minimum:

1. A site map indicating existing conditions
 2. A tax map overlay with the parcels identified that may be impacted by the proposed design
 3. Reclamation plans for the project area
 4. Proposed site plans for the repair and stabilization of the landslide, including details for safely dewatering and excavation of portals, if needed.
 5. Provide erosion and sediment (E&S) control plan
 6. Site profiles
 7. Cross sections
 8. Drainage systems and control structures, with details
 9. WVDEP's NPDES permit
 10. WVDOH's MM109 permit
 11. USACOE permit
 12. Survey control points
 13. Miscellaneous site details
- CTL will also provide necessary data for the MM109 and NPDES permit, including E&S control plans and any required environmental permitting as required for the site construction, and if deemed necessary, perform environmental assessments. CTL will coordinate submittals with the WVDEP.
 - In addition to the preparation of the above-described drawings, a complete set of specifications will be prepared and outlined to describe in detail the scope and methods of work to be accomplished. An estimate of construction costs and the design calculations will also be submitted to the WVDEP for review and future reference.
 - Following the submission of the construction documents, a project design review meeting will be coordinated with WVDEP, CTL, and appropriate individuals to review the proposed plans.
 - Recommendations for plan revisions will be discussed and implemented, as necessary, into the final design documents. Upon completion, all final documents, drawings, plans, and specifications will be forwarded to the WVDEP for bidding purposes.
 - CTL will assist WVDEP in the bidding process with any design/constructability questions.
 - CTL will provide engineering technicians to provide Quality Assurance/Quality Control (QA/QC) and materials testing throughout construction activities.
 - CTL will provide daily reports, document the construction process, and assist WVDEP in the project closeout.

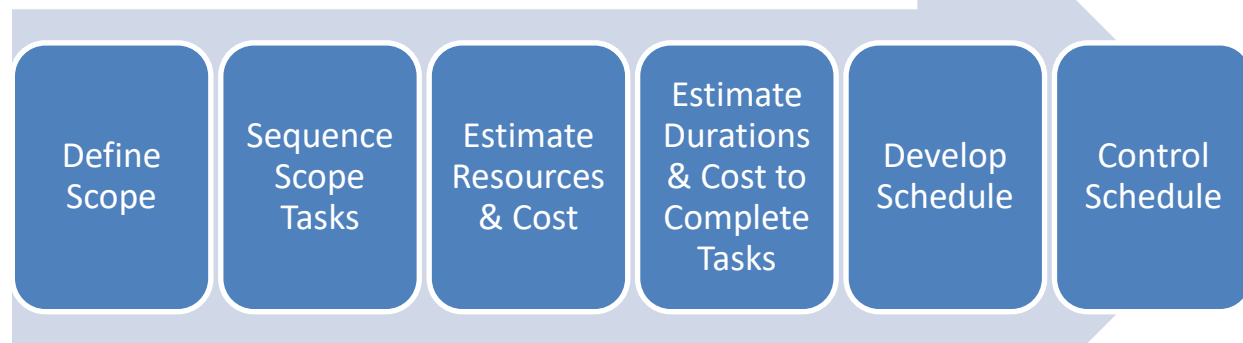
CTL'S ABILITY TO COMPLETE THE PROJECT SCOPE AND GOALS:

Alanna Keller, PE, will be the project manager for CTL. All communication through the owner for the duration of the project will be through Mrs. Keller. Mrs. Keller has the authority to engage any of CTL's staff or services for the completion of the project.

CTL has referenced several projects in (section 5: past performance) that were completed on time and on budget. CTL has a history of providing engineering services for a variety of reclamation projects in West Virginia and the surrounding states.

CTL will use the following project management outline. CTL has accounting software that can provide WVDEP with weekly work-in-progress reports.

Plan Schedule Management



CTL provides services to several projects throughout the year that are constructed timely and efficiently.

Construction Management Plan



CTL completes several projects a year, which involve:

- landslide reclamation,
- civil site design,
- stormwater and drainage control,
- construction administration,
- construction inspection and testing,
- geotechnical engineering,
- surveying, and
- environmental engineering.

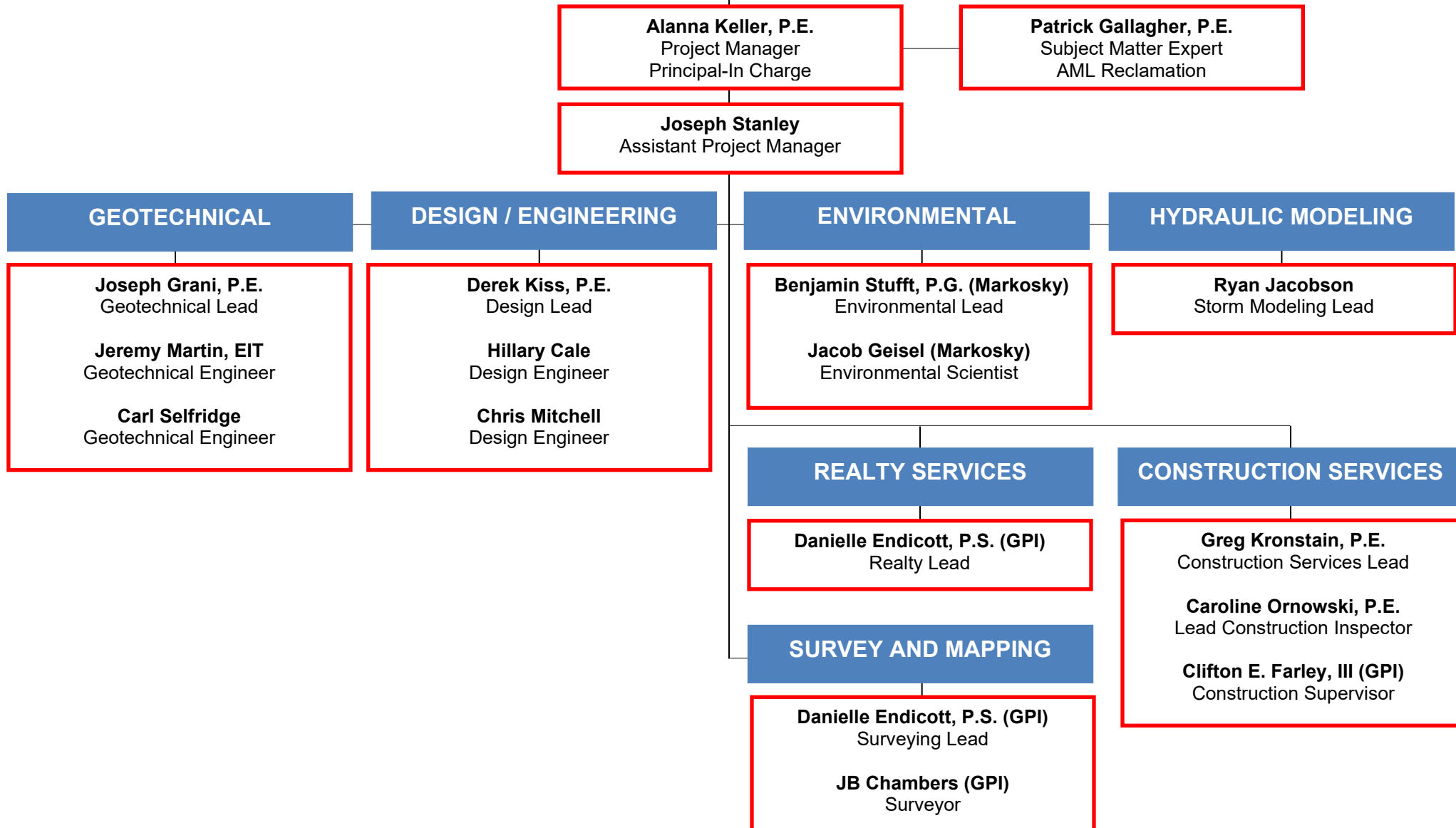
SECTION 4

PROJECT PERSONNEL





ORGANIZATIONAL CHART



Alanna J. Keller, P. E.

Principal



Summary of Experience

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.

Before 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 (WVDEP), Division of Air Quality.

Before 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; an active member of various committees, including the Transportation Asset Management Plan (TAMP); responsible for the development of the Statewide Transportation Improvement Program (STIP); and directed the implementation of the Safety with Action Today (SWAT) Program. Before joining the 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.

Ms. Keller is currently serving as Project Manager for CTL on WVDEP's Abandoned Mine Lands (AML) Contract N3, which involves eight (8) sites located in Preston and Monongalia Counties.

Education

Master of Science in Civil Engineering, West Virginia University (1998)

Bachelor of Science in Civil Engineering, West Virginia Institute of Technology (1996)

Professional Registration/Certification/Affiliations

Registered Professional Engineer, WV (14979)

Registered Professional Engineer, OH (68006)

Experience

Total years: 27

With CTL: <1

Patrick E. Gallagher P.E., CPGS.

Senior Geotechnical Engineer



Summary of Experience

Projects successfully completed under Mr. Gallagher's direction include: Civil Site Design, Foundation Design, Storm Water Management, Waste Water Design, Roadway Design, Parking Lot Design, Geotechnical Investigations & Design, Site Stability Analyses, Mine Subsidence Evaluations,

Failure Investigations and Environmental Investigations and Expert Witness Testimony. Prior to joining CTL Engineering, Mr. Gallagher was the chief of the Abandoned Mine Reclamation Program for the State of Maryland, Department of Natural Resources, and Bureau of Mines. In addition, he was also responsible for overall engineering/geologic support to the Maryland Bureau of Mines Program. His career began in Pittsburgh as a project geotechnical engineer with Orbital Engineering.

Relevant Project Experience

Energy and Mining

Mr. Gallagher has served as principal-in-charge and chief engineer for numerous energy projects located throughout the tristate region. Mr. Gallagher is a recognized geotechnical expert in the region and has extensive experience with design for pads, access roads, slope failure evaluation and repair, rock cut slopes, and pipeline embankments.

He was responsible for the Deep Mine Permitting program in Maryland, including Mining, reclamation and abandonment plans. His experience involves the application of various geotechnical design and construction techniques for energy sites, including geogrid reinforcement, soil cement stabilization, rock buttressing, and retaining wall systems.

Transportation

I-79 Interchange, Morgantown – Geotechnical Project Manager on this Design Build to the Town Centre

I-81 Martinsburg to Marlow Interchange-Design Build, Martinsburg, West Virginia

Morgantown Municipal Airport, Morgantown, West Virginia

Black Water Bridge Abutments-Surveying & Design Services, Tucker County, West Virginia

Healthcare

Mon General Site Development-Site Design, Morgantown, West Virginia

Ambulatory Care Center-Geotechnical Services, Morgantown, West Virginia

Preston Memorial Hospital Construction Services, Preston County, West Virginia

WVUH Data Center-Geotechnical Services. Morgantown, West Virginia

Fresenius Medical Center-Geotechnical Services, Preston County, West Virginia.

Power Generation

Harrison Step II Construction Monitoring, Harrison County, West Virginia

Harrison Power Station Phase V Step I, Harrison County, West Virginia

Harrison Power Station Cell A Repair, Harrison County, West Virginia

Overland Conveyor Permitting, Monongalia County, West Virginia

Education

B.S., Civil Engineering, 1975, Virginia Polytechnic Institute and State University, Blacksburg, Virginia
Geology (Minor), 1975 Virginia Polytechnic Institute and State University, Blacksburg, Virginia

Professional Registration/Certification/Affiliations

Registered Professional Engineer: Ohio - #48459 (1985); Maryland - #13256 (1982); West Virginia - #9297 (1982); Pennsylvania - #PE-044930-R (1993); Wyoming - #11033 (2010); North Carolina - #032503 (2005); Kentucky - #24988 (2005)

Certified Professional Geological Scientist, #6575 (1992)

Professional Surveyor: West Virginia (1983)

Adjunct Professor – Civil Engineering

Fairmont State College, 2001 – Present

Experience

Total years: >50

With CTL: 44



Harrison Power Station Landfill QA/QC Leachate Collection Layer Expansion, Harrison County, West Virginia

Building Development

University Place-Site, Civil & Geotechnical Services, Morgantown, West Virginia

Grand Central Apartments-Geotechnical Services, Morgantown, West Virginia

Gateway Development-Site & Civil Services, Morgantown, West Virginia

Federal Correctional Institute-Various Services, Hazelton, West Virginia

Parkview Heights Retaining Wall-Geotechnical Services, Bridgeport, West Virginia

Mine Related

Morgantown Anderson Highwalls - AML Reclamation Design, Morgantown, West Virginia

Thomas Northeast – AML Mine Grouting Reclamation Design, Thomas, West Virginia

Terra Haute Airport – AML Mine Grouting Reclamation Design, Indiana

Schramm, Gordon, East Franklin Landslide-AML Reclamation, Maryland.

Douglas Avenue Stormwater System-Geotechnical & Hydrologic Services. Allegheny County, Maryland

Fairmont (Jackson Addition) Subsidence-AML Reclamation & Geotechnical Services, Fairmont, West Virginia

Ottawa State Route 2 Mine Subsidence-Geotechnical Services & Grouting Plan, Ottawa County, Ohio

Joseph Stanley

Client Manager/ Project Manager/ Business Development Manager



Summary of Experience

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 include state, county, and local roads. Mr. Stanley has demonstrated his dependability and expanded his experience by working with several clients over the years, contributing to 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

Professional Registration/Certification/Affiliations

Advanced GPS Training Course

Technical Programs

AutoCad

Civil 3D

Experience

Total years: 25 years

With CTL: 25 years

Relevant Project Experience

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.

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 stockpiles 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

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

Joseph Grani, M.S., P.E.

Regional Service Line Manager, Geotechnical Engineer



Summary of Experience

Mr. Joseph Grani, P.E., presently serves as a Geotechnical Engineer and Regional Service Line Manager in CTL's Morgantown, WV office. Joe has 33 years of experience in geotechnical engineering. His work covers foundation analyses and recommendations for bridges, buildings, retaining walls, roadways, landslides, sewers, towers, and tanks. In addition, Mr. Grani is responsible for the supervision of all subsurface explorations. Mr. Grani formerly served as the Manager of Geotechnical Services in CTL's Columbus Office.

Other experience includes foundation design recommendations for bridges, soils subgrade evaluations for pavements, slope stability evaluations for highway embankments and earth dams, design of parking lot dewatering systems, and design recommendations for earth retention structures and noise barrier walls. He has experience with logging soils and bedrock, and installation of piezometers and inclinometers. He utilizes many geotechnical programs, including A-Pile, Slide, UA Slope, and L-pile.

Relevant Project Experience

Transportation

TUS-CR62-0.70, Tuscarawas County, Ohio
 Athens Retaining Wall, Athens, Ohio
 Hillside Drive Slide, Gallipolis, Ohio
 HEN-6-11.36 Roadway Exploration, Napoleon, Ohio
 SCI-CR45-0.11 (Henley Deemer), Scioto County, Ohio
 SCI-CR40-8.36 (Rocky Fork), Scioto County, Ohio
 SCI-CR39-7.61 (Rarden Hazelbaker), Scioto County, Ohio
 SCI-CR33-0.19 (Duck Run), Scioto County, Ohio
 SCI-CR18-6.46 (White Gravel), Scioto County, Ohio
 Geotechnical Services for Multiple Slips, Jefferson County, Ohio
 C-76-0095 (Cats Creek Rd) Bridge Replacement, Washington County, Ohio
 T-55-0005 Bridge Replacement, Washington County, Ohio
 SCI-CR253-0.00 (Hammerstein Road), Scioto County, Ohio
 ROS- Weigh Station Conversion, Ross County, Ohio
 LAW 52-17.57 Slide Repair, Lawrence County, Ohio
 Cooks Hill Road (CR 602) Engineer's Budgetary Estimate for Slip Repairs, Ross County, Ohio
 SUM-77 VECF, Summit County, Ohio
 Saline Street Slip Repair, Irondale, Ohio
 Wayne TR 213 Slip Repair, Jefferson County, Ohio
 BUT-129, Butler County, Ohio
 SR 315 SB Interchange Improvements, Franklin County, Ohio
 MAR-309-Additional work, Marion County, Ohio
 ODOT, COS-541-19.18, Coshocton County, Ohio
 BRO-221-6.80, Brown County, Ohio
 Board of Newport Township Trustees, WAS-T394-0.86, Marietta, Ohio
 BEL-7-11.05, Belmont County, Ohio
 Ormet 15 Slip Repair, Monroe County, Ohio
 Warren Township Trustees, TR109A and TR113 Landslide Explorations, Warren Township, Ohio
 E Broad St. Widening, Columbus, Ohio
 MOE-CR81-2.87, Monroe County, Ohio

Education

Master of Science, The Ohio State University, Columbus, Ohio 1994

Bachelor of Science, Civil Engineering, The Ohio State University, Columbus, Ohio 1991

Professional Registration/Certification/Affiliations

Registered Professional Engineer, West Virginia (23685)

Registered Professional Engineer, Ohio (E-60435)

Registered Professional Engineer, Pennsylvania (PE095813)

Member American Society of Highway Engineers

Experience

Total years: 33

With CTL: 33



ODOT, MOE-260-01.48, Monroe County, Ohio
Island Creek Township Trustees, TR 350 Slip Repair, Jefferson County, Ohio
ADA-125-10.80, Adams County, Ohio
Scioto County Engineers Office, Walnut Hill Rd., Scioto County, Ohio
Olentangy Trail to Bethel Rd Connector, Franklin County, Ohio
BRO-763-0.65, Brown County, Ohio
Island Creek Township Trustees, TR 381 Slip Repair, Jefferson County, Ohio
Washington County Ohio, WAS-CR 111, Washington County, Ohio
2nd Ave Corridor Improvements, Franklin County, Ohio
Belmont County Water and Sewer District, County Road 3 Landslide Exploration, Belmont County, Ohio
PIK-CR9-5.29, Pike County, Ohio
Middleport-Slip Repair, Meigs County, Ohio
SCI-104-8.15, Scioto County, Ohio
MOT-TR27-4.62, Montgomery County, Ohio WAR-75-3.72, Warren County, Ohio
HAM-75-2044, Hamilton County, Ohio
HAM-75-2.30 – Various Bridges and Retaining Walls, Hamilton County, Ohio
TUS-751-4.20, Tuscarawas County, Ohio
BEL-148-22.80, Belmont County, Ohio
BEL-149-0.15, Belmont County, Ohio
CRA-61-1.29, Crawford County, Ohio
AUG-65-3.82/9.68, Auglaize County, Ohio
AUG-66-6.91, Auglaize County, Ohio
MRW-19-5.72, Morrow County, Ohio

Jeremy Martin, EI, GIT

Geotechnical Engineer



Summary of Experience

With over 7 years of geotechnical experience, Mr. Martin serves as a Geotechnical Engineer in the Charleston, WV office. His expertise covers foundation analyses and recommendations for retaining walls, roadways, bridges, and landslides. In addition, Mr. Martin has overseen geologic investigations for major roadway and bridge

design projects, including boring layout, lab testing, and instrumentation.

Other experience includes foundation design recommendations for bridges, stability evaluations for highway embankments, and design recommendations for earth retention structures. He utilizes many geotechnical programs, including GRLWEAP, Slide2, etc. Please refer to his attached resume for a more detailed summary of Mr. Martin's expertise and specific project experience.

Relevant Project Experience

WV10 Operational Improvements, WVDOH, Logan, Wyoming, Mercer County, West Virginia. The project involved widening WV Route 10 and related improvements in Logan, Wyoming, and Mercer County. The project was over 70 miles in length and located on WV Route 10, beginning at Man, WV and ending near the intersection with US Route 19 in Kegley, WV, in Mercer County.

The operational improvements consisted of road widening, slip repairs, and the replacement of 9 bridges along WV Route 10.

Bristol Bridge No. 11754 & 11755 US 50 over Salem Fork and North Bend Rail Trail, WVDOH, Harrison County, West Virginia. The project consisted of designing and preparing contract plans and related documents to replace the existing Bristol Bridge EB and WB in Harrison County, WV.

The Geotechnical Scope of Work included structure foundation analysis, evaluation of settlement and bearing capacity, evaluation of global stability for abutments and associated wing walls, as well as global and external stability of retaining structures on the project.

Education

Bachelor of Science, Civil and Environmental Engineering, West Virginia University, 2017

Bachelor of Science, Geology, West Virginia University, 2016

Professional Registration/Certification/Affiliations

Engineer-in-Training Certification, WV

Geologist-in-Training Certification, WV

Experience

Total years: 7

With CTL: <1

Carl Selfridge

Geotechnical Project Engineer



Summary of Experience

Carl Selfridge is a Project Manager and Geotechnical Engineer providing scope, oversight, and evaluation, for various public and private client's projects including; educational, medical, hotels, and industrial facilities, infrastructure and transportation facilities, commercial developments, dams and impoundment structures, mining, and

natural gas production facilities, man-made and natural geohazard remediation, and grouting stabilization programs.

Mr. Selfridge is responsible for project management and engineering development and oversight of; reconnaissance of sites, development of geotechnical exploration and testing programs, preparing laboratory testing assignments, performing design, analysis, and evaluation of findings for design and construction recommendations, reports and plans. Project elements may include evaluation of soil/rock conditions, groundwater conditions, soil/rock classification, foundation stability and capacity, settlement, slope stability, retaining wall stability and designs, foundation designs, site preparation and earthwork embankment design, and other geotechnical design considerations. Mr. Selfridge also performs field observation, inspections, monitoring, and testing. Mr. Selfridge also serves as the Branch Safety Officer (BSO) and as the Branch Radiation Safety Officer (BRSO) for the Morgantown Office.

Education

A.A.S. Mechanical Technology – Drafting & Design, Adirondack Community College, Queensbury, N.Y. 1991
A.S. Engineering Science, Adirondack Community College, Queensbury, N.Y. 1994
B.S. Civil Engineering (Geotechnical & Structural) Rensselaer Polytechnic Institute, Troy, N.Y. 1996
Graduate Studies-Civil Engineering (Geotechnical) Rensselaer Polytechnic Institute, Troy, N.Y. 1996-1999

Professional Registration/Certification/Affiliations

Engineer Intern (EI): New York, 1996
Pennsylvania Dept of Transportation Level II Drilling Inspector, 1999

Experience

Total years: 22 years
With CTL: 19 years

Relevant Project Experience

Mine and Landfill

Eccles and MacArthur Subsidence-Subsidence Investigation & Mitigation. Raleigh County, W.V.
Shinns Run Portals & AMD-AML Reclamation & Geotechnical Services. Harrison County, W.V.
Tunnel Ridge Slurry Cell A-Piezometer Installations & Geotechnical Services. Ohio County, W.V.
Pine Creek: Omar Landfill-Geotechnical Services. Logan County, W.V.
WV State-wide Landfill-Geotechnical Services.
Buzzard Pond Dam-Geotechnical Services. Marshall County, W.V.

Water/ Wastewater Treatment

Water Treatment Plant Corrective Action Design-Geotechnical Services. Marion County, W.V.

Transportation

Benedum Airport Towers-Geotechnical Services. Harrison, County, W.V.
I-81 Martinsburg to Marlowe Interchange-Design Build, Jefferson County, W.V.
Hughes Creek Landslide-Geotechnical Services. Kanawha, County, W.V.
Dick Henderson Bridge-Geotechnical Services. Kanawha, County, W.V.
Morgantown Airport Alternative Access Road-Geotechnical, Services. Morgantown, W.V.
Leon Bridge-Geotechnical Services. Mason County, W.V.
Morgantown Rest Area-Geotechnical Evaluation, Morgantown, W.V.
Veterans Memorial Bridge-Geotechnical Services. Hancock, County, W.V.

Derek Kiss, P.E.

Civil Engineer / Project Manager



Summary of Experience

With eleven years of experience as a civil engineer, Derek Kiss has contributed to and managed a wide variety of projects in the public and private sector. Projects include private site development (commercial, industrial, and institutional), public utilities (water, storm, and sanitary), infrastructure condition assessments and rehabilitation, feasibility studies, floodplain management studies, roadway improvements, construction administration, construction inspection and field testing, and City Engineer support services.

Derek is a dedicated civil engineer who strives to provide the public and clients with quality, cost-effective work. Derek is a licensed Professional Engineer (PE) in ten states (FL, GA, KY, LA, MA, MI, OH, PA, SC, & VA), demonstrating his ability to complete projects in different parts of the country with different challenges and regulations. Since joining CTL Engineering in March 2025, he is eager to apply his expertise to new projects and supporting the company's success while maintaining high standards in safety, environmental, and regulatory compliance.

Relevant Project Experience

Village Engineer – Village of Sunbury, Ohio. Derek served as the Village Engineer for the Village of Sunbury for several years. During this time, the Village was experiencing rapid growth and development and required a great deal of assistance to ensure all development followed all planning, zoning, and engineering requirements. During this time Derek performed a variety of roles as the Village Engineer including the development, design, construction management, construction administration, and construction inspection for several roadway projects. Other duties performed included reviewing and approving all new development within the Village (commercial, residential, industrial, and institutional), attending Planning and Zoning Commission and Council meetings, working with Village staff to develop capital improvement projects, assisting in the preparation of Ohio Public Works Commission applications, reviewing rezoning, conditional use, and variance applications, along with a wide variety of other items that the Village needed assistance with.

W. Cherry Street Storm Sewer Improvements, Village of Sunbury, Ohio. Created detailed construction plans and specifications for a relief storm sewer in the Village square to alleviate flooding in the area. The existing tributary area of the square was determined and a new storm sewer was constructed. Construction inspection and administration was also performed throughout the construction of the improvements.

Lucas County Parking Lot – Toledo, Ohio. This project involved designing the demolition of an existing building and parking lot, as well as constructing a new parking lot at the Lucas County Shared Services building. Detailed construction drawings were prepared which included demolition, site layout, site lighting, and landscaping. Rezoning of the property was required prior to completion of construction drawings.

Education

Bachelor of Science, Civil Engineering, The Ohio State University, Columbus, Ohio, 2014

Certifications

American Red Cross Adult First Aid/CPR/AED

P.E. – State of Ohio (#83919)

P.E. – State of Florida (#96432)

P.E. – State of Georgia (#PE052734)

P.E. – Commonwealth of Kentucky (#39001)

P.E. – State of Louisiana (#PE.0047714)

P.E. – Commonwealth of Massachusetts (#58343)

P.E. – State of Michigan (#6201311956)

P.E. – Commonwealth of Pennsylvania (#PE094374)

P.E. – State of South Carolina (#41049)

P.E. – Commonwealth of Virginia (#0402066796)

Experience

Total: 11 years

With CTL: <1 year

Hillary Cale

CAD Designer, Civil Site Design Department



Summary of Experience

Hillary Cale serves as a CAD and Civil Site designer for municipal, commercial and private developer projects throughout our area. Her design services include layout plans, grading plans, and storm water plans, as well as support in permitting and survey.

Mrs. Cale has over 18 years' experience working at CTL.

Hillary has a vast experience in reclamation design and permitting. She has assisted our project managers on very large grouting projects throughout the region. She is a respected member of our Design Team and is willing to stay until a task is finished.

Experience

Total years: 22 years

With CTL: 20 years

Relevant Project Experience

Ottawa State Route 2, Mine Subsidence Mitigation, Ottawa County, Ohio. ODOT Project consisting of remediation of existing gypsum mine adjacent to State Route 2. CAD Designer responsible for generating construction drawings, quantities and engineer's estimate. Assistant Project Manager responsible for submitting grout quantities and assisting with the OEPA permitting. *Estimated cost \$20,000,000*

Guernsey Power Station and Switch Yard, Gemma Power Systems, Inc., Guernsey County, Ohio. Private Contractor Project consisting of remediation of abandoned inundated underground mines. CAD Designer responsible for generating construction drawings, specifications, quantities, compilation of daily logs during construction as well as OEPA reporting. Estimated cost \$1,000,000,000

St. Clair Portals, WVDEP, Monongalia County, West Virginia. WVDEP AML Project consisting of regarding highwalls and mine spoil, mine seals, drainage structures, natural stream designs and wetlands. The site consisted of 48 acres and required Corp permitting. GPS Surveyor responsible for providing survey control to generate aerial mapping and establish control points to be used during construction. Staff Engineer and CAD Designer responsible for generating construction drawings and construction specifications. Estimated cost \$1,500,000

Christopher Mitchell

CAD Designer, Civil Site Design Department



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.

Summary of Experience

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

Education

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

Professional Registration/Certification/Affiliations

American Society of Landscape Architects
AutoCad Civil 3D
SketchUp
Photoshop
InDesign
ArcGIS
LandFX

Experience

Total years: 12 years
With CTL: 12 years

Relevant Project Experience

WVAML Contract North 3. CTL Engineering was retained to provide the following design services: The N3 contract consisted of eight individual projects with an estimated construction cost of \$8,500,000. Project features consist of Highwalls, Portals, Vertical openings, Refuse Piles and Subsidence. CAD Designer responsible for generating construction drawings and construction specifications

ODNR TR289 Highwall. CTL Engineering was retained to provide the following design services: The project will consist of potentially 2, 000, 000 cubic feet of moving dirt to backfill highwall and associated areas, with an estimated construction cost of \$2 to \$4 million. CAD Designer responsible for generating construction drawings and construction specifications.

Various Natural Gas Pads. 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.

Fremont City Schools. CTL Engineering was responsible for the site survey, existing conditions plan, demolition plan, site plan, grading plan, stormwater design, CTL coordinated with the City of Fremont and OEPA for permitting for the new facilities.

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 WV DOT 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.



BENJAMIN STUFFT, PG PROJECT MANAGEMENT LEAD

PROFESSIONAL EXPERIENCE:

Benjamin has years of engineering and environmental science experience with extensive practice in project management and technical design. While directing projects, he has overseen the permitting and design of bridge/culvert replacements, roadway improvements, oil and gas transmission lines, surface/underground mines, as well as the permitting and design for community and noncommunity water projects. He has provided environmental services, including wetland delineation field investigations, report preparation, and waterway permit applications for the Pennsylvania Department of Environmental Protection (PADEP) and U.S. Army Corps of Engineers (USACE). He also has experience with the National Environmental Policy Act requirements and documents, categorical exclusion evaluations (CEE), agency and public meeting involvement, Section 4(f)/6(f) evaluations, and technical report writing. Technical data collection experience includes the collection of site-specific data and cross-referencing with regional published data for assessing the geologic and hydrologic framework of project sites, fracture trace/topographic evaluation studies, and aquifer testing.



SELECT PREVIOUS EXPERIENCE:

D-2315 Wheeling Valley AML Reclamation Project, Short Creek Township, Harrison County, OH – ODNR Division of Mineral Resources Management

Project Manager

The project includes the reclamation of a 370-acre abandoned mine land site consisting of hazardous water bodies, steep spoil piles, 14,500 linear feet of abandoned highwall, and acidic mine drainage contributing to the impairment of receiving waterways. Markosky is currently serving as the prime consultant responsible for the completion of ecological surveys and environmental reports required to advance the project into the design and permitting phase. Markosky is responsible for wetland delineation and stream assessment surveys, terrestrial habitat surveys, and providing project management for the completion of T&E species consultation, water quality sampling, and summer mist netting bat surveys.

Coffelt AML Reclamation Project, Short Creek Township, Harrison County, OH – ODNR Division of Mineral Resources Management

Project Manager

The project includes the reclamation of a 235-acre abandoned mine land site consisting of approximately 8-acres of GOB waste, two hazardous water bodies, 5,900 linear feet of abandoned highwall, and acidic, metal-laden drainage impacting receiving waterways. Markosky is currently serving as the prime consultant responsible for the completion of ecological surveys and environmental reports required to advance the project into the design and permitting phase. Markosky is responsible for wetland delineation and stream assessment surveys, terrestrial habitat surveys, and providing project management for the completion of T&E species consultation, water quality sampling, and summer mist netting bat surveys.

Jug Run Clogged Stream Lands Reclamation Project, Warren Township, Jefferson County, OH – ODNR Division of Mineral Resources Management

Project Manager

The project involves reclaiming a 68-acre abandoned mine land site to address clogged stream lands causing flooding in Jug Run and affecting public safety on Township Road 115 (TR-115). Markosky is the prime consultant, handling ecological surveys, environmental reports, wetland delineation, stream assessment, terrestrial habitat surveys, and project management for T&E species consultation, water quality sampling, and summer mist netting bat surveys.

EDUCATION

B.S. Geology
Indiana University of
Pennsylvania, 2009

REGISTRATIONS

Professional Geologist

PA – PG005270

TRAINING

- OSHA Confined Spaces, 2016

CERTIFICATIONS

- American Heart Association First Aid/CPR/AED Certification, 2019
- Certified MSHA Impoundment Inspector, 2016
- HAZWOPER 24 Hour
- MSHA 24-Hour Surface Mine Site Certification, 2010



JACOB A. GEISEL TECHNICAL STAFF

PROFESSIONAL EXPERIENCE:

Jacob has experience as an environmental scientist with expertise in conservation biology, natural resource management and forestry practices. He has provided environmental services, including threatened and endangered species surveys, habitat management design and implementation, invasive species management, field data collection for silvicultural prescriptions, data entry, and report preparation for the United States Forest Service, Bureau of Reclamation and the private sector. He also has former experience with the National Environmental Policy Act requirements and documents, categorical exclusion evaluations (CEE), agency and public meeting involvement, coordinating field survey efforts and technical report writing.

SELECT PREVIOUS EXPERIENCE:

D-2315 Wheeling Valley AML Reclamation Project, Short Creek Township, Harrison County, OH – ODNR Division of Mineral Resources Management

Lead Environmental Scientist

The project includes the reclamation of a 370-acre abandoned mine land site consisting of hazardous water bodies, steep spoil piles, 14,500 linear feet of abandoned highwall, and acidic mine drainage contributing to the impairment of receiving waterways. Markosky is currently serving as the prime consultant responsible for the completion of ecological surveys and environmental reports required to advance the project into the design and permitting phase. Markosky is responsible for wetland delineation and stream assessment surveys, terrestrial habitat surveys, and providing project management for the completion of T&E species consultation, water quality sampling, and summer mist netting bat surveys.

Coffelt AML Reclamation Project, Short Creek Township, Harrison County, OH – ODNR Division of Mineral Resources Management

Lead Environmental Scientist

The project includes the reclamation of a 235-acre abandoned mine land site consisting of approximately 8-acres of GOB waste, two hazardous water bodies, 5,900 linear feet of abandoned highwall, and acidic, metal-laden drainage impacting receiving waterways. Markosky is currently serving as the prime consultant responsible for the completion of ecological surveys and environmental reports required to advance the project into the design and permitting phase. Markosky is responsible for wetland delineation and stream assessment surveys, terrestrial habitat surveys, and providing project management for the completion of T&E species consultation, water quality sampling, and summer mist netting bat surveys.

Jug Run Clogged Stream Lands Reclamation Project, Warren Township, Jefferson County, OH – ODNR Division of Mineral Resources Management

Lead Environmental Scientist

The project involves reclaiming a 68-acre abandoned mine land site to address clogged stream lands causing flooding in Jug Run and affecting public safety on Township Road 115 (TR-115). Markosky is the prime consultant, handling ecological surveys, environmental reports, wetland delineation, stream assessment, terrestrial habitat surveys, and project management for T&E species consultation, water quality sampling, and summer mist netting bat surveys.



EDUCATION

B.S. Biology
Indiana University of
Pennsylvania, 2016

REGISTRATIONS

Wetland Delineation
Certificate – Swamp School
LLC., 2020

Professional GIS Certificate
– Michigan State University,
2020

PROPOSED PROJECT ASSIGNMENT

Survey Lead

EDUCATION

AS/ Civil/Surveying Engineering
Technology/1991/WV Institute of Technology

REGISTRATION

Professional Land Surveyor/WV/1983
Professional Land Surveyor/KY/3498

YEARS WITH FIRM <1

TOTAL YEARS EXPERIENCE 30

COURSE WORK

40 Hour (OSHA Approved) HAZMAT Certified
30 Hour (OSHA)

AFFILIATIONS

West Virginia Society of Professional
Surveyors

Professional Profile

Ms. Endicott is an accomplished Land Surveyor and engineering technician with over 30 years of experience. Starting as a rodman and draftsman, while working through college and graduated with an associate degree in civil/Surveying Engineering Technology from West Virginia Institute of Technology. She received her first professional surveyors license in 1998 and has an extensive background in engineering and surveying includes highway design, cadastral/boundary retracement, geodetic control surveys, photogrammetric control surveys, construction layout and inspection, hydrographic surveys.

Her experience also includes providing Quality Assurance and Quality Control of construction plans before and during construction. Initial site visits to assess the conditions of the project including but not limited to degradation of bridge abutments, deck, piers and structural beams, condition of embankments and investigation of drainage systems. Estimate cost for labor, equipment and material for projects based on initial site visits. Create scope of work of data acquisition. Compile data into design files such as base mapping and existing surface files used for design of new construction. Drafting construction plans that represent design of new or rehabilitated structures and follow up with quality assurance and control during construction.

Extensive experience in the use of various surveying and civil engineering software packages such as Trimble Business Center, Autodesk Civil 3D, Microstation, Inroads, Power Inroads, OpenRoads Designer and Esri ArcGIS.

Project Experience

WVDEP 2023 AML Contract N3; 2025 – Present. Senior Surveyor. GPI provides surveying services for multiple projects under this contract. Field data collection captured detailed site features including utilities, structures, vegetation lines, property corners, drainage infrastructure, transportation surfaces, and notable environmental or safety hazards. Client: West Virginia Department of Environmental Protection via CTL Engineering, Inc.

US 23 Interchange at KY 3, Lawrence County, Kentucky. Survey coordinator for the preliminary line and grade study of a new interchange for a high-accident intersection near Louisa, Kentucky for the Kentucky Department of Highways, District 12. Established initial horizontal and vertical control monumentation including GPS surveys and photo control surveys for photogrammetric mapping of 2-mile-wide area for preliminary line and grade study. Field ties to drainage structures and utilities in the area. Property research and boundary establishment. KDOH, District 12.

US 60 (Thirteenth Street) - Boyd County, Kentucky. Survey data collection and property research for the major widening and reconstruction of a 1.1-kilometer urban arterial through Ashland, Kentucky. Traffic and alignment studies, including capacity analysis of signalized intersections, determined that a five-lane roadway in conjunction with side street realignments would accommodate turning movements, provide additional capacity and safety, provide for maintenance of traffic during construction, and maximize the use of the existing pavement base. Final design in DGN Intergraph format included metric grade, drain, and surface plans including

construction phasing, box culvert extension, storm drainage systems, and retaining walls. Estimated construction cost is \$4,300,000. KDOH, District 9.

Pullman Square – Huntington, West Virginia. Project Surveyor for the design and construction of \$54 million retail and entertainment complex. Provided ALTA surveys and construction layout for parking garages, curb and gutter and utility locations.

Cyrus Dock, US 52, Wayne County, West Virginia. Provided alignment stakeout, original cross-sections, retaining wall locations and final cross-sections for the construction of a two-lane road crossing under two railroad bridges to provide access for Coal Truck Traffic to the River Dock.

Mud River Road, County Route 64, Lincoln County, West Virginia. Provided stakeout and final cross-section for construction of 5 miles of two-lane highway relocated out of flood areas to provide flood management along Mud River.

Yates Crossing, US 60—Cabell County, West Virginia. Provided field data for design and upgrade of two miles a two-lane section of US 60 to three lanes to include a turning lane and the redesign of the intersection of US 60 and Yates Crossing. Improving the turning radius for Eastbound US 60 traffic to access Yates Crossing.

Gallion Branch Bridge Replacement, Elliott County, Kentucky. Survey Coordinator for the replacement of a 40-foot-long box-beam bridge on County Road 1011 in Elliott County, Kentucky. Funded by the Federal Emergency Management Agency (FEMA) as a Hazard Mitigation Project, engineering included hydrologic and hydraulic analysis of water surface profiles and the estimation and correction of contraction and abutment scour. Field survey of existing features and surrounding area produced base mapping and DTM's.

KY 32 Improvements at I-64, Rowan County, Kentucky. Survey coordinator for the fast-track conceptual design study and final plans for the widening of KY 32 at the I-64 interchange near Morehead, Kentucky. Established base mapping for 0.75 miles of four-lane highway crossing under I-64. Ties to all utilities and drainage structures, cross-sections, note reduction and computations of survey data. KDOH, District 9.

Cedar Knoll Galleria—Boyd County, Kentucky. Boundary survey addressing four individual parcels totaling 96 acres. Assisted with field surveys, deed, record search and review, office computations, and preparation of final plats and legal descriptions.

Eastern Kentucky Expo Center – Pikeville, Kentucky. Project Surveyor for the construction of a 126,000 square foot facility with a project cost of \$29 million. Provided construction layout and quality control for the building foundations and the utility relocations.

Buzzard Roost Road Hazard Mitigation, Gallia County, Ohio. Survey coordinator engineer for the preparation of plans, specifications, and cost estimates and for construction administration for a FEMA-funded hazard mitigation project in Crown City, Ohio. This 500-foot-long roadway, in a deep ravine, involved the replacement of a 120-inch pipe culvert, the reconstruction of the roadway to a two-lane asphalt section with shoulders and guardrail above the 100-year Ohio River backwater. Also involved in the preparation of easements. Estimated construction cost is \$206,000.

Dillon Lake, Corps of Engineers, Huntington District—Coshocton County, Ohio. Assisted with computations and drafting for boundary and monumentation survey of record flowage easement in connection with encroachment of floodwaters on dwellings and structures. All surveys and computations were tied to the Ohio North Plane State Coordinate System.

PROPOSED PROJECT ASSIGNMENT

XXXX Project Manager XXXX

EDUCATION

Garrett Community College, McHenry, MD

Northeastern Technical Institute, Fleetville,
PA

YEARS WITH FIRM 4

TOTAL YEARS EXPERIENCE 42

Professional Profile

Mr. Chambers is a Senior Surveyor at GPI with 42 years of experience in the surveying industry. Managing multiple projects and personnel, he has performed a wide variety of duties consisting of construction monitoring, construction layout, topographic surveys, highway engineering, lock and dams, power plants, chemical plants, petrochemical plants, commercial development, private development, streetscapes, public schools, colleges, universities, ALTA surveys, local airports, regional airports, national airports, and infrastructure surveys and designs.

Project Experience

WVDEP 2023 AML Contract N3; 2025 – Present. Project Manager. GPI provides surveying services for multiple projects under this contract. Field data collection captured detailed site features including utilities, structures, vegetation lines, property

corners, drainage infrastructure, transportation surfaces, and notable environmental or safety hazards. Client: West Virginia Department of Environmental Protection via CTL Engineering, Inc.

I-79 Bundle Project; 2021. Senior Surveyor. Working as a senior surveyor for GPI, Mr. Chambers is responsible for leading field crews and collecting data for 13 bridge structures and over 9 miles of roadway data collection from Lost Creek, WV to the I-68/I-79 interchange for the rehabilitations of existing bridge structures. This project includes establishing horizontal and vertical control, coordinating in-house aerial imagery, aerial LiDAR, terrestrial LiDAR, as well as conventional surveying methods to assist with design. In this capacity he managed field operations as well as collected data. To collect the data, he utilized robotic total stations, GNSS RTK systems, and terrestrial scanning techniques.

West Virginia University Hospitals; 1993-2021 Surveying Supervisor/Project Manager. Throughout his career, Mr. Chambers has worked for the West Virginia United Health System on numerous construction surveying, engineering design, expansion, geotechnical engineering and renovation projects. In this capacity he served as the Surveying Supervisor/Project Manager, responsible for multiple personnel, topographic mapping, survey calculations, as-builts, ALTA Surveys, and construction layout efforts.

Monongalia General Hospitals; 2002-2018 Surveying Supervisor/Project Manager. Mr. Chambers has performed numerous construction surveying and engineering design survey projects for Monongalia General Hospital. As Surveying Supervisor/Project Manager, he led efforts for multiple hospital expansions, renovations, and construction projects. These responsibilities included client and personnel management, geotechnical engineering, topographic mapping, survey calculations, as-builts, ALTA Surveys, and construction layout efforts.

West Virginia Department of Highways; 1992-Present. Surveying Supervisor/Survey Project Management. Throughout his career, Mr. Chambers has worked for the West Virginia Department of Highways, business consultants and contractors on numerous transportation projects in West Virginia. Mr. Chambers has served as the Surveying Supervisor, responsible for multiple personnel, submitting right of entry and right of way agreements, construction surveying, construction monitoring, engineering design, topographic mapping, geotechnical engineering, survey calculations, as-builts, and construction layout efforts on roads and bridges.

Mon-Fayette Expressway, Morgan's Run Bridge; 2003-2007 Project Surveyor. Mr. Chambers served as the Project Surveyor, responsible for all survey calculations, right-of-ways, topographic surveys, boundaries, as-builts, and construction layout efforts for the construction of a \$19.9 million four-lane bridge carrying route 43 over Morgan's Run.

Jefferson Street Bridge, "Million-Dollar Bridge"; 1998-2000 Project Surveyor. Mr. Chambers served as the Project Surveyor, responsible for all survey calculations, as-builts, redesigned alignment and construction layout efforts for the construction of a \$23.5 million four lane bridge on Marion County 19/73 east of US 19 and crossing over the Monongahela River.

Corridor H Projects; 2004-Present Mr. Chambers has worked on Corridor H in different phases for the West Virginia Department of Highways, business consultants and contractors on numerous transportation projects on the Corridor. Mr. Chambers has served as the Surveying Supervisor, responsible for multiple personnel, submitting right of entry and right of way agreements, boundaries, utilities, construction surveying, construction monitoring, topographic mapping, cross sections, geotechnical engineering, survey calculations, as-builts, and centerline alignments on roads and bridges.

Ohio Department of Transportation; 1992-2002 / 2010-2020 Present Surveying Supervisor/Project Manager. Throughout his career, Mr. Chambers has worked for the Ohio Department of Transportation, business consultants and contractors on numerous transportation projects in Ohio. Mr. Chambers has served as the Surveying Supervisor, responsible for multiple personnel, construction monitoring, right of ways, construction surveying, grouting projects, geotechnical engineering, topographic mapping, survey calculations, as-builts, and construction layout efforts on roads, interstates and turnpikes.

West Virginia University; 1994-2021 Surveying Supervisor/Project Manager. Mr. Chambers served as the Surveying Supervisor/Project Manager, responsible for multiple personnel, topographic mapping, survey calculations, boundaries, as-builts, ALTA Surveys, geotechnical engineering and construction layout efforts for numerous University facility upgrades as well as new construction. Some relative examples include Milan-Puskar Stadium, WVU Coliseum, Hawley Field, West Virginia Public Theatre, The Mountainlair, and numerous Evansdale and Downtown campus facilities.

Garrett County Memorial Hospital, Oakland, MD; 2004-2007 Surveying Supervisor. Mr. Chambers has performed numerous construction surveying and engineering design survey projects for Garrett County Memorial Hospital. As Surveying Supervisor, he led efforts for multiple hospital expansions, renovations, and construction projects. These responsibilities included client and personnel management, geotechnical engineering, topographic mapping, survey calculations, as-builts, ALTA Surveys, and construction layout efforts.

Preston Memorial Hospital, Kingwood, WV; 2013-2015 Surveying Supervisor. Mr. Chambers has performed numerous construction surveying and engineering design survey projects for Preston Memorial Hospital. As Surveying Supervisor, he led efforts for the construction of the new hospital in Kingwood, West Virginia. These responsibilities included client and personnel management, construction monitoring, survey calculations, as-builts, and construction layout efforts.

Glenmark Centre/Pierpont Centre, Morgantown, WV; 1994-2002 Project Surveyor. Mr. Chambers has performed numerous construction surveying and civil design for the Glenmark Centre. As a Project Surveyor, he led efforts for all commercial and business development that covered all phases of the project. These responsibilities included client and personnel management, survey calculations, boundary, topographic mapping, development of outparcels, roads, easements and utilities, final submittals, geotechnical engineering, construction monitoring, construction layout, as-builts and ALTA Surveys.

University Town Centre, Morgantown, WV; 1998-2020 Project Surveyor. Mr. Chambers has performed numerous construction surveying and civil design for the Glenmark Centre. As a Project Surveyor, he led efforts for all commercial and business development that covered all phases of the project. These responsibilities included client and personnel management, survey calculations, boundary, development of outparcels, roads, geotechnical engineering, easements and utilities, final submittals, construction monitoring, construction layout, topographic mapping, as-builts and ALTA Surveys.

Harrison Power Station, Shinnston, WV; 1994-2021 Project Surveyor. Throughout his career, Mr. Chambers has worked for Allegheny / First Energy on numerous construction surveying, engineering design, expansion, and renovation projects. In this capacity he served as the Project Surveyor, responsible for multiple personnel, aerial flight control, construction monitoring, control, boundary, piling layout, fly ash disposal area monitoring and layout, topographic mapping, survey calculations, as-builts, and construction layout efforts.

Longview Power Plant, Maidsville, WV; 2006-2011 Project Surveyor. Mr. Chambers has worked for Longview Power on numerous construction surveying and engineering design projects. In this capacity he served as the Project Surveyor, responsible for multiple personnel, aerial flight control, boundary, control, ALTA Surveys, topographic mapping, survey calculations, Pennsylvania One Call System locates, as-builts, and construction layout efforts of a new power plant.

Mount Storm Power Station, Mount Storm; 1984-2015 Project Surveyor. Throughout his career, Mr. Chambers has worked for Virginia Power / Dominion Energy on numerous construction surveying, engineering design, expansion, and renovation projects. In this capacity he served as the Project Surveyor, responsible for multiple personnel, aerial flight control, construction monitoring, control, boundary, piling layout, fly ash disposal area monitoring and layout, lake soundings, topographic mapping, survey calculations, as-builts, and construction layout efforts.

ISR Building, Robert H. Mollohan Research Center / NESCC NOAA, Fairmont, WV; Project Surveyor. Mr. Chambers has performed numerous, boundary and construction layout efforts for the construction of a \$135 million dollar facility in Fairmont, West Virginia. As a Project Surveyor, he led efforts for all commercial and business development that covered all phases of the project. These responsibilities included client and personnel management, survey calculations, boundary, topographic mapping, roads, geotechnical engineering, easements and utilities, final submittals, construction layout, topographic mapping, as-builts and ALTA Surveys.

United Parcel Service Inc., Columbus Distribution Hub, Columbus, OH; 2016-2019 Surveying Supervisor. Mr. Chambers has performed numerous utility and boundary surveys, and civil design and construction layout efforts for the construction of a \$177 million project. As a Surveying Supervisor, he led all efforts for construction layout of the newly distribution hub. These responsibilities included client and personnel management, survey calculations, boundary, topographic mapping, roads, easements and utilities, final submittals, construction layout, topographic mapping, as-builts and ALTA Surveys.

Ryan Jacobsen

Civil Engineer



Summary of Experience

With four years of experience, primarily in the oil and gas sector, Ryan Jacobsen has contributed to projects such as orphan well plugging, RNG facility development, and pipeline infrastructure. His work has included design, stormwater management, cost estimating, permitting, and ensuring

compliance with engineering specifications. Ryan is dedicated to the civil engineering profession and is currently pursuing his Engineer-in-Training (EIT) certification. Since joining CTL Engineering in January 2025, he has been eager to apply his expertise to new projects, supporting the company's success while maintaining high standards in safety, environmental, and regulatory compliance.

Relevant Project Experience – CTL Engineering

TR 289 Highwall CS-Vg-04, Ohio Department of Natural Resources.

The TR 289 Highwall CS-Vg-04 reclamation project (Project No. E-22A-13), located in Virginia Township, Coshocton County, Ohio, focuses on mitigating the hazards of unstable highwalls while implementing effective stormwater management strategies. Ryan's responsibilities include site design, stormwater management, cost estimating, and the development of a Stormwater Pollution Prevention Plan (SWPPP), ensuring compliance with engineering specifications and regulatory standards.

WVDEP AML North Contract 3, West Virginia Department of Environmental Protection. The project consisted of eight AML reclamation sites in Preston and Monongalia Counties, WV, focusing on stabilizing highwalls, addressing refuse sites, and restoring clogged streams through site assessments, engineering design, and stormwater management strategies. Ryan's responsibilities encompassed all eight sites, including site design, stormwater management, cost estimating, and the development of a Stormwater Pollution Prevention Plan (SWPPP), ensuring compliance with engineering specifications and regulatory standards.

Relevant Project Experience – While at other firms

Seneca RNG Pipeline & Tunnel Hill RNG Pipeline, Vision RNG. The Seneca and Tunnel Hill RNG Pipeline projects involved designing pipelines to connect RNG facilities to meter stations. Key responsibilities included developing plan profiles for two 8-inch pipelines and a 2-inch communication line, ensuring compliance with municipal regulations, and handling environmental coordination, permitting, and cost estimating. Collaboration with utility companies at all utility crossings ensured integration with existing infrastructure. Additionally, design tasks encompassed access roads and meter station pads. Throughout the projects, coordination with the client was essential to meet project needs and budget, contributing to the successful design and execution of the pipeline systems.

RNG Facility Layout Design, Vision RNG & Archaea Energy. This project involved the development of 12 RNG facilities at various locations across the county. Key tasks included conducting research and ensuring adherence to local city, county, and state standards. The project encompassed layout design, quantity take-offs, cost estimating, permitting, and stormwater management design. Additionally, responsibilities included the development of erosion and sedimentation control (ENS) plans to meet environmental requirements. CQA was performed on all construction activities to maintain high-quality standards and ensure compliance with project specifications. These efforts were essential to the successful planning, execution, and completion of the RNG facilities across multiple sites.

Meigs County Multiple Orphan Well Plugging, Ohio Department of Natural Resources. The project involved developing construction plans for contractor access to orphan wells. Responsibilities included preliminary site inspections, preparing construction drawings for site access, erosion control, equipment layout, and stormwater management, as well as obtaining necessary permits. Tasks also included quantity take-offs, cost estimating, and coordinating with environmental scientists to ensure regulatory compliance. Collaboration with CMR and overseeing Construction Quality Assurance (CQA) were integral to the successful and timely completion of the project.

Education

A.S. Columbus State, Columbus, Ohio, 2015
B.S. Civil Engineering, The Ohio State University,
Columbus, Ohio, 2022

Certifications

AutoCad Civil 3D
HydroCAD
Microsoft Excel
MATLAB
Nuke Gauge Certification

Experience

Total: 4 years
With CTL: <1 year

Gregory R. Kronstain
Regional Service Line Manager



Summary of Experience

Mr. Kronstain is the Regional Service Line Manager for Construction Administration, Construction Inspection, and Material Testing Services for transportation and infrastructure projects in Northeast Ohio and West Virginia. 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. He has 38 years of construction experience in the industry. He has worked at the Ohio Department of Transportation in various positions, including Field Project Engineer, District Construction Administrator, and Capital Programs Administrator. He has managed programs exceeding \$850 million, with over 100 active construction projects. In Construction, his responsibilities include coordinating, managing, and supervising all construction-related activities. He has experience with alternative bidding methods, including large Design-Build projects.

Relevant Project Experience

Transportation

City of Morgantown / MGW Runway 18-36 Extension Construction Phase 4 FAA AIP No. 3-54-0015-050-2023 / Morgantown, West Virginia. Greg serves as the Project Manager for this airport expansion project. This is a multi-year project that will be constructed in several phases. Phase 4 is a \$8.6 million project. The scope of this project consists of: Erosion and Sedimentation (E&S) Control, protection and preservation of aquatic resources, clearing and grubbing, excavation and stockpiling of materials, placement of durable rock embankment and drainage stone, and placement of 1300 feet of culvert (stream enclosure).

City of Morgantown / MGW Runway 18-36 Extension Construction Phase 3 FAA AIP No. 3-54-0015-050-2023 / Morgantown, West Virginia. Greg served as the Project Manager for this multi-year airport expansion, constructed in numerous phases. Phase 3 was a \$2.4 million project that included over 240,000 cubic yards of excavation and the placement of a 50,000-cubic-yard rock embankment. CTL provided construction administration and QA/QC services throughout the project's duration.

City of Morgantown / MGW Runway 18-36 Extension Construction Phase 3 FAA AIP No. 3-54-0015-050-2023 / Morgantown, West Virginia. Greg served as the Project Manager for this multi-year airport expansion, constructed in numerous phases. Phase 3 was a \$2.4 million project that included over 240,000 cubic yards of excavation and the placement of a 50,000-cubic-yard rock embankment. CTL provided construction administration and QA/QC services throughout the project's duration.

WVDOH Project U333-522-11.92 04 Northern Connector +1, Berkeley Springs, Morgan County, West Virginia. Greg is serving as the Project Manager and providing construction administration oversight for this project on behalf of the WVDOH. This \$35M Design-Build project will construct a bypass around the city to alleviate heavy truck traffic through Berkeley Springs and improve overall safety. It will construct a two-mile section of new highway, connecting the existing bypass portion to US 522 north of Berkeley Springs. The project also includes a multi-span bridge over Warm Springs Run, as well as a future rail trail and connector roads to local access points, such as War Memorial Hospital.

Ohio Turnpike and Infrastructure Commission- Project 43-25-05 - Bridge Deck Replacement and Rehabilitation of Turnpike bridge over US42 Exit Ramp MP 162 Ramp and State Road (SR94) Bridge over Turnpike MP 167.3. Greg is currently serving as the Project Manager for this bridge deck replacement project. This project consists of two deck removals and replacements, along with patching and approach pavement work. The first bridge is a single-span reinforced concrete deck with a single-slope concrete bridge railing. This is a ramp bridge located at the toll plaza at MP 162. The second bridge includes replacement of the existing bridge on SR94 at MP 167.3, with a reinforced concrete deck with new sidewalks, parapets and fencing, and approach slabs. The project cost is \$4.8M.

Ohio Turnpike and Infrastructure Commission- Project 43-25-08; Bridge Deck Replacement and rehabilitation of Turnpike overhead bridge MP 162.2 Albion Road. Greg is currently serving as the project Manager for this bridge deck replacement project. The project consists of replacement of the existing bridge with a reinforced concrete deck with parapet walls and fencing, concrete patching and sealing of substructure concrete, conversion of abutments to semi-integral, and painting of the existing steel superstructure. Total project cost is \$3.9M.

Education

Cleveland State University, Master of Business Administration, 1998

Ohio University, B.S. Civil Engineering, 1987

Professional Registration/ Certification/ Affiliations

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

ACI American Concrete Institute, Concrete Field-Testing Technician, Level I (expired) and Member

ODOT Prequalified Construction Engineer 2

Experience

Total years: 38

With CTL: 6



ODOT PROJECT 25-0152, CUY-90-6.69, PID 76779- Construction Inspection Agreement 39776. Greg is currently the Project Manager for this agreement providing construction inspection, material testing, CPM scheduling services, and survey services for this \$173M major rehabilitation project. This 3+ year construction project includes replacing the existing pavement on I-90 from the Hilliard Road interchange to West Boulevard in the cities of Rocky River, Lakewood, and Cleveland. Work will include bridge maintenance work, replacing median barrier and drainage, upgrading lighting, and lowering pavement under several structures to increase vertical clearance.

Cleveland-Cuyahoga County Port Authority- Bulk Terminal Maritime Rehabilitation Project, Cuyahoga County, Ohio. Greg was the Project Manager on this \$8M dock rehabilitation project that repaired and replaced over 1200 feet of steel sheet pile bulkhead at the Cleveland Bulk Terminal Facility. Work also included the installation of storm water improvements adjacent to the bulkhead and other repairs to the maritime infrastructure.

Caroline Ornowski, P.E.

Project Engineer



Engineer (PE) (2023). WVDOH TRET Level V with 8 years of construction experience.

Summary of Experience

Caroline is a detail-oriented civil engineer with a strong background in construction administration, inspection, and quality control. Proven expertise in managing complex projects, ensuring regulatory compliance, and fostering effective communication among stakeholders. EIT certified (2023) and licensed Professional

Relevant Project Experience

Airports

City of Morgantown / MGW Runway 18-36 Extension Construction Phase 3 FAA AIP No. 3-54-0015-050-2023 / Morgantown, West Virginia. Caroline provided construction administration/management and inspection services during the project. The airport expansion project is a multi-year project to be constructed in numerous phases. Phase 3 was a \$2.4M project that included over 240,000 cubic yards of excavation, and placement of a 50,000cy rock embankment. CTL was selected to provide the construction administration and QA/QC services for the duration of the project. Caroline effectively organized, directed and coordinated testing services and provided reports to field services as well as the design engineers. She resolved any problems experienced by the contractor in the field, and acted as the lead liaison between the owner and the contractor.

City of Morgantown / MGW Runway 18-36 Extension Construction Phase 2 FAA AIP No. 3-54-0015-047-2021 / Morgantown, West Virginia. Caroline provided construction administration and inspection services during the project. The airport expansion project is a multi-year project to be constructed in numerous phases. Phase 2 included over 150,000 cubic yards of excavation. CTL was selected to provide the construction administration and QA/QC services for the duration of the project. Caroline coordinates the materials testing, daily reporting and is the lead liaison between the owner and the contractor.

City of Morgantown / MGW Runway 18-36 Extension Construction Phase I FAA AIP No. 3-54-0015-045-2020 / Morgantown, West Virginia. Caroline was the lead inspector for the project. The airport expansion project is a multi-year project to be constructed in numerous phases. Phase 1 of the project featured over 350,000 cubic yards of rock excavation and the construction of an 80 ft rock embankment. CTL was selected to provide the construction administration and QA/QC services for the duration of the project. Caroline coordinates the materials testing, daily reporting and is the lead liaison between the owner and the contractor.

Power Plants

Guernsey Power Station Project, Guernsey County, Ohio. Caroline supervised a team of eight technicians in drilling and grouting operations for Mine Mitigation, ensuring compliance with OEPA's Underground Injection Control (UIC) permitting on this \$2 Billion Power Plant project. The project was stabilizing abandoned mines beneath two project sites, including a power generation facility and a 765KV switch yard. She managed the teams of technicians on the job sites. Provided Quality Assurance and Quality Control (QA/QC) oversight during grouting operations, managing daily drilling observations, and documenting complications encountered on-site. Conducted daily testing and sampling of grout at three on-site plants, tracking quantities produced and placements to maintain quality standards.

Soldier Pile Walls

Pulteny Township- Mehlman Rd./ Jordan Run Rd./ McClainsville Rd. Belmont County Ohio. Caroline provided construction administration and inspection services during this slip repair project. This project consists of drilled shafts with lagging on Jordan Run

Education

Fairmont State University, Civil Engineering and Technology, 2016

Professional Registration/Certification/Affiliations

ODOT Construction Engineer, Level 1
WVTRET Level V
E.I.T. West Virginia
P.E. - West Virginia
ACI Concrete Field-Testing Technician, Level I
ACI Aggregate Testing Technician - Level 1
ACI Concrete Strength Testing Technician
West Virginia DOH – PCC Inspector
West Virginia DOH – Aggregate Sampling
West Virginia DOH – Soil & Aggregate Compaction Technician
West Virginia DOH – Asphalt Field Technician
West Virginia DOH- Aggregate Sampling
MSHA – Above Ground Training
OSHA – 10 Hour Construction

Experience

Total years:8
With CTL: 8

Rd, Mehlman Rd and McClainsville Rd, pavement replacement, drain installations and other miscellaneous items associated with repairing slips along the roadways.

Camp Dawson Slip Repair, Kingwood, West Virginia. Caroline provided construction administration, inspection services, and project engineering services during this slip repair project involving the construction of a 400-foot soldier pile wall.

Athens Site Development, Athens, Ohio. Caroline provided inspection services during this site development project involving the construction of a 327ft soldier pile wall.

Transportation

FRA-71-14-36 Project 6R, Columbus, Ohio. Caroline provided construction inspection and quality assurance material testing services during this \$279M project. Project 6R builds a new ramp from Mound St to I-71 S including a new 4000' structure over the Scioto River and SR 315 and a new structure over Short St. 6R also reconstructs the existing ramp from Mound St to I-70 W including a new structure over Short St. It adds an additional lane to the overlapped portion of I-70W/71S providing two continuous lanes of I-71 and I-70 through downtown Columbus. 6R also reconstructs the block of Mound St between Front St and the cul-de-sac.

Refugee Road Improvements Project, Licking County Transportation Improvement District. Caroline provided construction administration and inspection services during this \$7.8M roadway improvement project in Licking County, Ohio. This project consists of full-depth reconstruction and widening of approximately 1.3 miles of Refugee Rd. The intersections of Refugee Rd, Mink St, and Etna Pkwy will be upgraded to single-lane roundabouts. The project also consists of on-site drainage, hydrant relocations and street lighting.

Mountaineer Contracting / Route 250 Widening / Mannington, West Virginia. Caroline was the lead inspector. Caroline coordinated the field testing and sampling with the contractor. The project consisted of widening the existing road to add a turn lane. Installing New curb and gutter and drainage structures.

Mountaineer Contracting / Intersection of Goshen Road and Rt 73 / Morgantown, West Virginia. Caroline was the lead inspector responsible for materials testing and inspection. The project consisted of road stabilization due to heavy traffic. Construction of a reinforced concrete road, ditch and drainage improvement.

Mountaineer Contracting / Monongahela Blvd./ Morgantown, West Virginia. Caroline was the lead inspector responsible for materials testing and inspection.

Building Development

Mylan Park Foundation / Mylan Park Aquatic Center and Track / Morgantown, West Virginia. WVU selected Mylan Park to be the home of the new Aquatic Center and Track Facility. Caroline was the lead inspector on the project.

Dick's Sporting Goods Loading Dock Repair, Morgantown, WV. Caroline conducted inspection services for helical pile installations under a settling loading dock. Observed ASTM D1143 quick tests to ensure bearing capacity and collaborated with stakeholders to resolve onsite issues.

Reinforced Soil Slope

Marion County Mine 10 South No. 1 Air Shaft, Metz, West Virginia. Caroline provided construction inspection and materials testing during the installation of an 80ft high, 400ft long Reinforced Soil Slope with primary and secondary geo-grid placements. She also mentored new technicians on inspection and testing protocols, emphasizing effective reporting and documentation.

PROPOSED PROJECT ASSIGNMENT

Project Supervisor

EDUCATION

WVDOH Level V 1545/Fairmont State
College/2008
High School Diploma/ Hurricane High
School/ 1990

CERTIFICATIONS

WVDOH Level V Transportation Engineering
Technologist (TRECNO)

YEARS WITH FIRM 4

TOTAL YEARS EXPERIENCE 36

COURSEWORK

Construction Inspection (Tech 2299-05)
Soil Erosion and Counter Measures
Advanced Presenting P3

Professional Profile

Mr. Farley has over 36 years of experience in highway and bridge related construction inspection management including over a decade as the Project Supervisor for the West Virginia Division of Highways on the P3 Design Build WV 869 to Mason CR 40 project. At the time of award, it was the largest single construction project in WV History. Mr. Farley is experienced with the computer software programs Project Wise, AWP/Site Manager, and LIMS utilized on WVDOH projects.

Project Experience

West Virginia Division of Highways, Carter Bridge to Brooks Street Bridge Painting. (2022-Current). TRET Level V Project Supervisor. Mr. Farley is the Project Supervisor for the \$27 million Carter Br./Brooks St. project in Charleston, WV. The project includes bridge painting and repair of fifteen (15) bridges on the I-77/I-64 corridor in Charleston, WV. The project footprint includes the bridges associated with the I-77/I-64 interchange (Bigley Ave. bridges/ramps) on the north side of downtown Charleston and stretches east across the Elk River and Kanawha Valley Railroad to the I-77/I-64 ramps for Leon Sullivan Way and Brooks Street. Additional responsibilities also include supervision of field inspectors, plan and specification compliance, quantity tracking, daily reports, change orders, and contractor estimate payments through use of the AWP and ProjectWise programs.

West Virginia Division of Highways, P3 Design Build US Route 35 (2015-2021).

Project Supervisor. Mr. Farley was the WVDOH Supervisor for the 15 mile long, 4-lane new alignment of US35 in Mason and Putnam counties. The \$257 million project was separated into two contracts, one for the grade and drain and the other for the paving and Buffalo Interchange. Combined, the projects included 10 bridges, 17.3 million cubic yards of embankment and excavation, 17.2 miles of drainage pipe, and 460,000 tons of asphalt paving. Cliff was responsible for the coordination of the construction inspection staff and materials testing of two consultant led teams. Additional responsibilities also include overseeing the prime contractor and their 28 subcontractors, representing the State of West Virginia as the liaison to the Toyota Motor Manufacturing Facility and local residents, plan and specification compliance, quantity tracking, daily reports, change orders, and contractor estimate payments through use of the Site Manager and ProjectWise programs.

West Virginia Division of Highways, US 35 from CR 40 to WV 869 Repaving (2011-2014). Project Supervisor. Mr. Farley was the WVDOH Supervisor for the 15 mile long, 2-lane re-construction and repaving. The \$10 million project consisted of upgrading existing drainage, shoulder width extensions, asphalt paving, and installing new signage. Mr. Farley assigned items of work to various subordinate inspectors, reviewed inspectors daily reports, wrote change orders, and contractor estimate payments. He oversaw the prime contractor and all the subcontractors for work being performed.

West Virginia Division of Highways, US 35 Jim Hill Rd to CR 40. (2007-2010). Project Supervisor. Mr. Farley was the WVDOH Supervisor for the 3.5 mile long, 4-lane new alignment of US 35 in Mason County. The \$40 million project consisted of major earthwork, drainage, stream mitigation, constructing 4 bridges, concrete paving, signage, and guardrail items. Mr. Farley assigned items of work to various subordinate inspectors, reviewed inspectors daily reports, wrote change orders, and contractor estimate payments. He oversaw the prime contractor and all the subcontractors for work being performed.

West Virginia Division of Highways, US 35 Wetland Mitigation CR 78. (2006-2007). Project Supervisor. Mr. Farley was the WVDOH Supervisor for the \$2 million project. The project was broken into 2 separate locations. Each location consisted of unclassified excavation to create a series of sub-channels and ponds. Special wetland seed mixes were used, trees and shrubs were planted, and a series of rock and log vanes were installed along the creek to stop future bank erosion. Mr. Farley was the only personnel on the project and provided construction inspection, daily reports, change orders, and contractor estimate payments. He oversaw the prime contractor and all the subcontractors for work being performed.

West Virginia Division of Highways, US 35 Crooked Creek to WV 34. (2005-2006). Project Supervisor. Mr. Farley was the WVDOH Assistant Supervisor for the 2 mile long, 4 lane new alignment of US 35, which he later completed the project as the supervisor. The project consisted of earthwork, drainage, stream mitigation, asphalt paving, guardrail, and signage. Mr. Farley assigned items of work to various subordinate inspectors, reviewed inspectors daily reports, wrote change orders, and contractor estimate payments. He oversaw the prime contractor and all the subcontractors for work being

SECTION 5

PAST PERFORMANCE



PAST PROJECT EXPERIENCE

WVDEP AML North Contract #3 | Morgantown, West Virginia

CTL was retained to provide design services for eight individual projects with an estimated construction cost of \$8,500,000. Project features consist of: Highwalls, Portals, Vertical openings, Refuse Piles, and Subsidence.

Client: WVDEP AML
Contact: John Curry
Phone: 304-926-0458



ODNR AML TR-289 Highwall | Coshocton, Ohio

CTL was retained to provide design services that included: surveying, geotechnical, conceptual engineering, and construction drawings, and design specifications. The project consists of moving 2,000,000 cubic feet of dirt to backfill the highwall and associated areas.

Client: ODNR AML
Contact: Thomas Wiley
Phone: 330-556-6805



Anderson Highwall | Monongalia County, West Virginia

The site consisted of dangerous highwalls, seven or more open or partially open portals, and a dangerous scrap yard containing potentially dangerous materials. CTL provided surveying, geotechnical investigation, civil design, and construction bidding documents.

Client: WVDEP
Contact: AML Division (Bridgeport Office)
Phone: 304-926-0499



Tars Hill Landslide | Jefferson County, Ohio

CTL provided engineering design services and construction documents necessary to repair and stabilize a landslide that has damaged a road and made it impassable. In addition, the hillside above the damaged road has become unstable with several large slip areas. Abandoned deep mines, on both sides of the hollow, produce a significant number of groundwater sources, which has added to the instability of the area. CTL also provided the site design for the collection and diversion of groundwater, slope stability, and road replacement.

Client: ODNR Division of Mineral Resource Management
Contact: AML Division
Phone: 614-265-7079



Oakhill Landslide | Allegheny County, Maryland

CTL provided engineering design services and construction documents necessary to reclaim and stabilize a landslide, encroaching on Georges Creek, reducing the flow area of the stream. The site had been backfilled with mine spoil. Mine drainage were saturating the slope and creating instability. Subsurface investigations were performed to determine soil characteristics, strata depths, and water levels, using piezometers. Slope stability analyses were performed to determine the corrective actions required to stabilize the area. Surface and subsurface drainage structures, a toe key, and stream bank protection were designed to correct the instability problems and provide long- term protection to the area.

Client: Maryland Dept of Environment
Contact: Bureau of Mining
Phone: 301-689-8020



Riddles Run Landslide | Jefferson County, Ohio

CTL provided engineering design services and construction documents necessary to repair and stabilize a landslide that has damaged a road. Mine drainage from abandoned deep mine entries, have saturated the soil, causing it to slide down the slope toward the road. In addition, trees, whose roots have been loosened by movement of the soils, are in danger of sliding onto the roadway. This 0.15-acre site was cleared and grubbed to install a sub-surface drain that will carry mine drainage away from the slip area. This drain was constructed above and perpendicular to the slip. An additional surface drain was constructed, and lined with rock to direct the flow from the subsurface drain to natural drainage.

Client: ODNR Division of Mineral Resource Management
Contact: AML Division
Phone: 614-265-7079



Aarons Run Road Failure & Landslide Emergency Project | Garrett County, Maryland

CTL provided site investigation, geotechnical drilling, engineering services, and remediation design for this road failure, which was caused by subsidence from abandoned deep mines. The mines were within 50 feet of the road surface and had active water discharge on the out-slope of the roadway. The design required the excavation of all material to the deep mine, creation of an engineered embankment to the road level, and moving the roadway further into the uphill side of the existing roadway. This design was selected as the most cost-effective way to remediate the failure and utilize nearby material for the fill.

Client: Maryland Dept of Environment
Contact: Bureau of Mining
Phone: 301-689-8020



Peninsula Highwall | Monongalia County, West Virginia

This site contained 1,800 LF of vertical to sloughed highwalls 15 to 25 feet high, seven (7) partially or totally collapsed mine portals, one (1) open mine portal, subsidence depressions behind the portals, and water present at or flowing from the portals. CTL Engineering of West Virginia, Inc. was retained to provide the design for the access road into the site; wet seal two (2) portals; regrade face of two (2) portals; riprap channel; and design an additional channel to carry water off site; backfill of highwalls and subsidence areas; restoration of golf path asphalt; and conditioning and revegetation of all disturbed areas.

Client: WVDEP

Contact: AML Division (Bridgeport Office)

Phone: 304-926-0499



St. Clair Portals | Monongalia County, West Virginia

The site consisted of coal refuse, acid mine drainage with impounded water, collapsed mine portals, and highwalls. 17 portals were found along the highwall bench. Three (3) impoundments of approximately 70,000 sq.ft. had water flowing at 300 gpm with a pH value of 3.1 and iron >10 mg/l. A 35-foot to 45-foot high refuse pile was in the middle of the site, as well as scattered refuse throughout the site. CTL was retained to provide the design for excavation and wet seal 17 mine portals, dewater three (3) impoundments, 2,000 LF of stream reconstruction, regrade and cover of coal refuse and spoil areas on mine bench, drainage control channels to carry water off-site. CTL was also responsible for the backfill of highwalls using spoil material to the original contour elevations, and conditioning and revegetation of all disturbed areas.

Client: WVDEP

Contact: AML Division (Bridgeport Office)

Phone: 304-926-0499



Aaron's Run AMD Project | Garrett County, Maryland

CTL was retained to provide the design for multiple AMD treatment systems, two (2) SAP cells, slurry doser, settling ponds, and natural wetlands. CTL also provided full site grading plans & drainage controls, access road & highway rated bridge, all state & federal permitting, and construction specifications and drawings.

Client: Maryland Dept of Environment

Contact: AML Division – Mark Garner

Phone: 301-689-1440



Upper Georges Creek Stream Sealing Project | Garrett County, Maryland

CTL was retained to perform geologic and hydrologic assessments of the Upper Georges Creek Watershed to determine the extent and amount of streamflow lost to underground mines. CTL was responsible for conducting cooperative meetings with several stakeholders, reviewing existing reports and data on file at the AMLD office, and, based on available data, along with field measurements or drilling, development of plans to monitor streams to locate stream water loss zones. CTL then performed stream flow measurements within the study area to locate the areas of most significant water loss. Also, assessments to each tributary were completed as a part of the study. Upon study completion, CTL provided remediation options for sealing the streams.

Client: Maryland Dept of Environment
Contact: AML Division – Tim Miller
Phone: 301-689-1440



Shinns Run | Harrison County, West Virginia

CTL provided surveying, reclamation design, and subsurface investigations for this Abandoned Mine Lands and Reclamation project. Surveying was completed to establish the areas that will be reclaimed, and to locate utilities that were not apparent on the mapping provided for the job. CTL provided drilling services near the mine entries to determine the mine pool, as well as, near a bridge on site to determine the foundation depth and bearing capacity. CTL also developed sedimentation and erosion control plans for all disturbed sites.

Client: WVDEP
Contact: AML Division (Bridgeport Office)
Phone: 304-926-0499



Williams Refuse Pile | Harrison County, West Virginia

CTL was selected to perform engineering-related services, including environmental services, site design, and permitting for Targe Energy Reclamation, LLC, during this *turnkey project*. This project was treated similarly to a complete surface mine application. The scope of services provided by CTL included a refuse removal plan, field reconnaissance, ash backfill design, permits preparation, and environmental sampling.

Client: Targe Energy
Contact: Van Plocus
Phone: 412-784-0750



Maryland Deep Mine Closures | Allegheny and Garrett County, Maryland

CTL was retained to provide development of detailed engineering design plans and construction plans, including: cost estimates, bid documents, project drawings, maps, and plans & specifications for the reclamation construction of multiple mine mouth closures. Design and Plans, included, dry and wet mine seals, bat gates, regrading, drainage structures, and site reclamation.

Client: Maryland Dept of Environment
Contact: AML Division – Tim Miller
Phone: 301-689-1440



Blackwater River/Beaver Creek Treatment Project | Tucker County, West Virginia

CTL provided Engineering Design Services and construction documents to rehabilitate an existing concrete dam and install a rotating drum and limestone slurry treatment facility on the Blackwater River. This project was a cooperative effort project with WVDEP and WVDNR. This project has been recognized by **“Trout Unlimited”** and was mentioned in the February 1993 issue of **“Outdoor Life”**. The Blackwater River/Beaver Creek Treatment Project has successfully transformed a formerly dead section of the Blackwater River into a high-quality, trout fishery, and was recognized by the **US Department of Interior, Office of Surface Mining, as the 1999 Appalachian Region Award Winner.**

Client: WVDEP
Contact: AML Division (Bridgeport Office)
Phone: 304-926-0499



Taylor Creek Impoundment | Clay County, West Virginia

CTL provided Engineering Design Services and construction documents necessary for the reclamation and extinguishment of a 120-acre burning refuse pile. This project also included the subsurface investigation of burning material to depths of approximately 110 feet, and the design and reconstruction of approximately 3,400 feet of Taylor Creek. Several areas of slope instability required stabilization. Additionally, an existing 24-acre coal-related impoundment had to be evaluated, dewatered, and the area stabilized.

Client: WVDEP
Contact: AML Division (Bridgeport Office)
Phone: 304-926-0499





OTHER AML & RELEVANT PROJECT EXPERIENCE

HIGHWALLS

Collins Mining, ODNR
Miller Mining, ODNR

OPEN PITS

Jones Trucking, ODNR
General Clay #1 & #2, ODNR

OPEN MINE SHAFTS

Kennel Mine Closure, MDE, AMLD
Frostburg North Closure, MDE, AMLD
Zilman Closure, MDE, AMLD

REFUSE PILES

Hope Church Refuse & AMD, WVDEP
Ream Refuse Pile, WVDEP
Harrison Power Plant, Allegheny Power

MINE SUBSIDENCE

Fairmont Subsidence, WVDEP
Lower Consol Road MDE, AMLD
Terra Haute Airport, IN AML
Farmington UMC, WVDEP Emergency
Morningside Baptist, WVDEP Emergency
Eccles Subsidence, WVDEP
McArthur Subsidence, WVDEP
Mark Kempner, NJ Private
WV BRIM
OMSUA

MINE DRAINAGE / STREAM RESTORATION

Deckers Creek, WVDEP

LANDSLIDES

Douglas Avenue Landslide, MDE, AMLD
Schramm Landslide, MDE, AMLD
Gordon Landslide, MDE, AMLD
East Franklin Landslide, MDE, AMLD

WATER SUPPLY REPLACEMENT

Douglas Avenue Stormwater System Repair, MDE, AMLD
Bald Knob & Potomac Hollow Water Investigations, MDE, AMLD
Pee Wee Hill Supply Design, MDE, AMLD
Pee Wee Will Water Feasibility Study, MDE, AMLD
Fairview Water Feasibility, WVDEP
Tioga Water Feasibility, WVDEP

**Landslide Projects with FEMA Funding**

Year	Client Name	Project Name
2023	Noble Co. Engineer, OH	NOB-CR18
2023	Knox Twp., Jefferson Co., OH	JEF-TR242 – 2 Different Landslides
2022	Knox Twp., Jefferson Co., OH	JEF-TR244
2022	Mt. Pleasant Twp., Jefferson Co., OH	JEF-TR1114
2022	Knox Twp., Jefferson Co., OH	JEF-TR246
2021	Springfield Twp., Jefferson Co., OH	JEF-TR276
2020	Athens Co. Engineer, OH	ATH-CR2-3.27
2020	Athens Co. Engineer, OH	ATH-CR38-0.73
2020	Athens Co. Engineer, OH	ATH-CR76-0.12
2020	Village of Irondale, OH	Saline Street
2020	Warren Twp. Trustees, Jefferson Co., OH	JEF-TR111 – 3 Different Landslides
2020	Warren Twp. Trustees, Jefferson Co., OH	JEF-TR117 – 2 Different Landslides
2020	Noble Co. Engineer, OH	Landslides on 17 Different County Roads
2020	Scioto Co. Engineer, OH	Landslides on 10 Different County Roads
2020	Island Creek Twp., Jefferson Co., OH	JEF-TR350
2020	Island Creek Twp., Jefferson Co., OH	JEF-TR381
2020	Knox Twp., Jefferson Co., OH	JEF-TR246
2020	Village of Rayland, OH	Narrows Road
2020	Springfield Twp., Jefferson Co., OH	JEF-TR265
2020	Island Creek Twp., Jefferson Co., OH	JEF-TR382
2020	Island Creek Twp., Jefferson Co., OH	JEF-TR383
2020	Wayne Twp., Jefferson Co., OH	JEF-TR205
2019	Washington Co. Engineer, OH	WAS-TR394-0.86
2019	Athens Co. Engineer, OH	ATH-CR10-7.25
2019	Pike Co. Engineer, OH	PIK-CR56-05.26
2019	Ross Co. Engineer, OH	ROS-CR602
2019	Wayne Twp. Trustees, Jefferson Co., OH	JEF-TR166
2019	Steubenville Twp. Trustees, Jefferson Co., OH	JEF-TR170
2019	Wayne Twp. Trustees, Jefferson Co., OH	JEF-TR213
2019	Scioto Twp. Trustees, Ross Co., OH	SCI-TR144A
2019	Island Creek Twp. Trustees, Jefferson Co. OH	JEF-TR384
2018	Warren Twp. Trustees, Jefferson Co. , OH	JEF-TR109A
2018	Warren Twp. Trustees, Jefferson Co., OH	JEF-TR113

SECTION 6

ATTACHMENTS



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

(Printed Name and Title) _____

(Address) _____

(Phone Number) / (Fax Number) _____

(email address) _____

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

(Company)

Alanna J. Keller

(Signature of Authorized Representative)

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

(Phone Number) (Fax Number)

(Email Address)

WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION
AML CONSULTANT CONFIDENTIAL QUALIFICATION QUESTIONNAIRE **"Attachment B"**

PROJECT NAME Pre-qualification for Consultants		DATE (DAY, MONTH, YEAR) 8/15/2025		FEIN 55-0631834	
1. FIRM NAME CTL Engineering, Inc.		2. HOME OFFICE BUSINESS ADDRESS 2860 Fisher Road Columbus, OH 43204		3. FORMER FIRM NAME Columbus Testing Laboratories	
4. HOME OFFICE TELEPHONE (614) 276-8123	5. ESTABLISHED (YEAR) CTL-1927 CTL-WV 1983	6. TYPE OWNERSHIP Individual <u>Corporation</u> Partnership Joint-Venture		6a. WV REGISTERED DBE (Disadvantaged Business Enterprise) YES <u>NO</u>	
6. PRIMARY AML DESIGN OFFICE: ADDRESS/ TELEPHONE/ PERSON IN CHARGE/ NO. AML DESIGN PERSONNEL EACH OFFICE 1091 Chaplin Road, Morgantown, WV 26501/ 304-292-1135/ Alanna Keller, Principal / Morgantown - 16					
7. NAMES OF PRINCIPAL OFFICERS OR MEMBERS OF FIRM Hassan Zahran – CEO Joseph Warino – COO Ali Jamshidi – CFO Jessica Donley – Secretary Alanna Keller – Principal Marc Montgomery – Principal Kevin Reichert – Principal Sastry Malladi – Principal			8a. NAME, TITLE, & TELEPHONE NUMBER - OTHER PRINCIPALS Joe Grani – Geotechnical Regional Service Line Manager Derek Kiss – Civil Design and Survey Service Line Manager Office Telephone: 304-292-1135		
9. PERSONNEL BY DISCIPLINE					
<u>51</u> ADMINISTRATIVE <u>2</u> ARCHITECTS - BIOLOGIST <u>2</u> CADD DESIGNERS - CHEMICAL ENGINEERS <u>48</u> CIVIL ENGINEERS <u>53</u> CONSTRUCTION INSPECTORS - DESIGNERS <u>1</u> DRAFTSMEN	- ECOLOGISTS - ECONOMISTS - ELECTRICAL ENGINEERS <u>6</u> ENVIRONMENTALISTS - ESTIMATORS <u>3</u> GEOLOGISTS - HISTORIANS - HYDROLOGISTS	- LANDSCAPE ARCHITECTS - MECHANICAL ENGINEERS <u>1</u> MINING ENGINEERS - PHOTOGRAMMETRISTS - PLANNERS: URBAN/REGIONAL - SANITARY ENGINEERS <u>21</u> SOILS ENGINEERS - SPECIFICATION WRITERS	- STRUCTURAL ENGINEERS <u>4</u> SURVEYORS/RODMEN - TRAFFIC ENGINEERS <u>X</u> OTHER, <u>79</u> Project Managers <u>124</u> Technicians/Drillers		
TOTAL NUMBER OF WV REGISTERED PROFESSIONAL ENGINEERS IN PRIMARY OFFICE: <u>3</u> *RPEs other than Civil and Mining must provide supporting documentation that qualifies them to supervise and perform this type of work.			<u>395</u> TOTAL PERSONNEL		
10. HAS THIS JOINT-VENTURE WORKED TOGETHER BEFORE? <input type="checkbox"/> YES <input type="checkbox"/> NO					

11. OUTSIDE KEY CONSULTANTS/SUB-CONSULTANTS ANTICIPATED TO BE USED. Attach "AML Consultant Confidential Qualification Questionnaire" for each if copy is not on file with AML.

NAME AND ADDRESS: The Markosky Engineering Group, Inc. 803 Quarrier Street Suite 610 Charleston, WV 25301	SPECIALTY: Environmental	WORKED WITH BEFORE ___X___ Yes _____ No
NAME AND ADDRESS: Greenman Pederson (GPI) 2000 Hampton Center Suite C Morgantown, WV	SPECIALTY: Realty Construction Inspection Surveying and Mapping	WORKED WITH BEFORE ___X___ Yes _____ No
NAME AND ADDRESS:	SPECIALTY:	WORKED WITH BEFORE _____ Yes _____ No
NAME AND ADDRESS:	SPECIALTY:	WORKED WITH BEFORE _____ Yes _____ No
NAME AND ADDRESS:	SPECIALTY:	WORKED WITH BEFORE _____ Yes _____ No
NAME AND ADDRESS:	SPECIALTY:	WORKED WITH BEFORE _____ Yes _____ No
NAME AND ADDRESS:	SPECIALTY:	WORKED WITH BEFORE _____ Yes _____ No
NAME AND ADDRESS:	SPECIALTY:	WORKED WITH BEFORE _____ Yes _____ No
NAME AND ADDRESS:	SPECIALTY:	WORKED WITH BEFORE _____ Yes _____ No
NAME AND ADDRESS:	SPECIALTY:	WORKED WITH BEFORE _____ Yes _____ No
NAME AND ADDRESS:	SPECIALTY:	WORKED WITH BEFORE _____ Yes _____ No

12. A. Are your firm's personnel experienced in Abandoned Mine Lands Remediation/Mine Reclamation Engineering?

YES Description and Number of Projects: CTL Engineering has completed more than 800 AML related projects nationally and internationally. See attached "AML Past Project Experience" for some specific examples. CTL completes un excess of 100 testing projects each year.

NO

B. Is your firm experienced in Soil Analysis?

YES Description and Number of Projects: Our in-house laboratories perform all ASTM mechanical, organic and in-organic analyses for soils. Our labs are certified by WVDOH, OEPA and US Corps of Engineers.

NO

C. Is your firm experienced in hydrology and hydraulics?

YES Description and Number of Projects: Each of our site design and AML projects require hydrology & hydraulic evaluations. We estimate that annually, we complete more than 100 projects requiring hydrology design.

NO

D. Does your firm produce its own Aerial Photography and Develop Contour Mapping?

YES Description and Number of Projects:

NO However, we annually complete more than 25 projects requiring aerial photography & mapping. While we sub-contract the aerial photography, in-house we provide GPS, surveying and develop the contouring as needed. CTL deploys a drone to support contour mapping typical for sites less than 10 acres.

E. Is your firm experienced in domestic waterline design? (Include any experience your firm has in evaluation of aquifer degradation as a result of mining.)

YES Description and Number of Projects: We have completed numerous waterline design projects and our in-house staff has more than 50 years of combined experience with aquifer degradation.

NO

F. Is your firm experienced in Acid Mine Drainage Evaluation and Abatement Design?

YES Description and Number of Projects: CTL has developed more than 20 active and passive treatment systems for AMD. More than 50 of our AML Design projects required some form of AMD evaluation and design.

NO

13. PERSONAL HISTORY STATEMENT OF PRINCIPALS AND ASSOCIATES **RESPONSIBLE FOR AML PROJECT DESIGN** (Furnish complete data but keep to essentials)

NAME & TITLE (Last, First, Middle Int.) Gallagher, Patrick E., PE Subject Matter Expert	YEARS OF EXPERIENCE		
	YEARS OF AML DESIGN EXPERIENCE: 44	YEARS OF AML RELATED DESIGN EXPERIENCE: 44	YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE: 36

Brief Explanation of Responsibilities
Mr. Gallagher will serve as technical oversight for the project. Projects successfully completed under Mr. Gallagher's direction include: Civil Site Design, Foundation Design, Stormwater Management, Waste Water Design, Roadway Design, Parking Lot Design, Geotechnical Investigations & Design, Site Stability Analyses, Mine Subsidence Evaluations, Failure Investigations and Environmental Investigations and Expert Witness Testimony. Prior to joining CTL Engineering, Mr. Gallagher was the chief of the Abandoned Mine Reclamation Program for the State of Maryland, Department of Natural Resources, and Bureau of Mines. In addition, he was also responsible for overall engineering/geologic support to the Maryland Bureau of Mines Program. His career began in Pittsburgh as a project geotechnical engineer with Orbital Engineering.

EDUCATION (Degree, Year, Specialization)

B.S., 1975, Civil Engineering
B.S., 1975, Equivalent, Geology

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS

American Society of Civil Engineers
Society of Mining Engineers of A.I.M.E.
Triangle Fraternity of Engineers, Architects and Scientists
International Society of Soil Mechanics and Foundation Engineers
American Institute of Professional Geologists

REGISTRATION (Type, Year, State)

Registered Professional Engineer; 1983-West Virginia, 1984-Ohio, 1983-Maryland, 1993-Pennsylvania, 2006-Wyoming, 2006-North Carolina
Certified Professional Geological Scientist - 1984
Professional Surveyor, 1995-West Virginia

13. PERSONAL HISTORY STATEMENT OF PRINCIPALS AND ASSOCIATES **RESPONSIBLE FOR AML PROJECT DESIGN** (Furnish complete data but keep to essentials)

NAME & TITLE (Last, First, Middle Int.) Keller, Alanna, P.E. Principal-in-Charge	YEARS OF EXPERIENCE		
	YEARS OF AML DESIGN EXPERIENCE: 1	YEARS OF AML RELATED DESIGN EXPERIENCE: 1	YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE:

Brief Explanation of Responsibilities
Principal-in-charge responsible for managing the Charleston, WV office and overseeing the Transportation Sector in WV. She has over 27 years of experience in transportation, infrastructure and environmental. Ms. Keller is currently serving as Project Manager for the WVDEP AML Contract N3.

EDUCATION (Degree, Year, Specialization)

Master of Science in Civil Engineering, West Virginia University (1998)
Bachelor of Science in Civil Engineering, West Virginia Institute of Technology (1996)

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS

REGISTRATION (Type, Year, State)

Registered Professional Engineer, WV

13. PERSONAL HISTORY STATEMENT OF PRINCIPALS AND ASSOCIATES **RESPONSIBLE FOR AML PROJECT DESIGN** (Furnish complete data but keep to essentials)

NAME & TITLE (Last, First, Middle Int.) Kiss, Derek, P.E. Civil Site Service Line Manager	YEARS OF EXPERIENCE		
	YEARS OF AML DESIGN EXPERIENCE: 2	YEARS OF AML RELATED DESIGN EXPERIENCE: 2	YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE

Brief Explanation of Responsibilities
With eleven years of experience as a civil engineer, Derek Kiss has contributed to and managed a wide variety of projects in the public and private sector. Projects include private site development (commercial, industrial, and institutional), public utilities (water, storm, and sanitary), infrastructure condition assessments and rehabilitation, feasibility studies, floodplain management studies, roadway improvements, construction administration, construction inspection and field testing, and City Engineer support services.

EDUCATION (Degree, Year, Specialization)
B.S, Civil Engineering, The Ohio State University

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS Franklin County Chapter of the Ohio Society of Professional Engineers Ohio Society of Professional Engineers Engineers Club of Columbus	REGISTRATION (Type, Year, State) Registered Professional Engineer, FL, GA, KY, LA, MA, MI, OH, PA, SC, & VA
---	--

13. PERSONAL HISTORY STATEMENT OF PRINCIPALS AND ASSOCIATES **RESPONSIBLE FOR AML PROJECT DESIGN** (Furnish complete data but keep to essentials)

NAME & TITLE (Last, First, Middle Int.) Stanley, Joseph Project Manager	YEARS OF EXPERIENCE		
	YEARS OF AML DESIGN EXPERIENCE: 14	YEARS OF AML RELATED DESIGN EXPERIENCE: 14	YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE: 11

Brief Explanation of Responsibilities

Mr. Stanley is responsible for Reclamation Design, Drafting Hydrology, Quantity Calculations, Stability Analysis, Residential Development, Valley Fill Footprinting, Surveying, Subsidence Surveys, Pre-Blast Surveys, Acid Base Accounts, Groundwater Inventory. PC Software includes Hydrologic TR-20, TR-55, Excel, Harstad Methods, Word, AutoCADD Land, Quarttro, Access.

EDUCATION (Degree, Year, Specialization)

A.S., 2001 Civil -Engineering Technology Drafting & Design

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS	REGISTRATION (Type, Year, State)
--	----------------------------------

13. PERSONAL HISTORY STATEMENT OF PRINCIPALS AND ASSOCIATES **RESPONSIBLE FOR AML PROJECT DESIGN** (Furnish complete data but keep to essentials)

NAME & TITLE (Last, First, Middle Int.)	YEARS OF EXPERIENCE		
Grani, Joe Branch Manager (WV) Geotechnical Manager	YEARS OF AML DESIGN EXPERIENCE: 0	YEARS OF AML RELATED DESIGN EXPERIENCE: 28	YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE: 0
Brief Explanation of Responsibilities			
Mr. Grani is the Branch Manager of the WV office and also responsible for field review and exploration for the Geotechnical Engineering Department for CTL Engineering of West Virginia. Joe is involved in the management of field drilling, classification of soil and rock, field safety procedures, assignment of project specific lab testing, and performing geotechnical evaluations. Engineering evaluations include subsidence evaluation, foundation recommendations, settlement analysis, slope stability analysis, earth pressure coefficients and report preparation.			
EDUCATION (Degree, Year, Specialization)			
B.S., 1991, The Ohio State University, Civil Engineering M.S., 1994, The Ohio State University, Civil Engineering			
MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS		REGISTRATION (Type, Year, State)	
ASHE ACEC		Civil Engineering Professional Engineer, #E-60435 Ohio	

14. PROVIDE A LIST OF SOFTWARE AND EQUIPMENT AVAILABLE IN THE PRIMARY OFFICE WHICH WILL BE USED TO COMPLETE AML DESIGN SERVICES.

OFFICE EQUIPMENT

3 HP Color Plotters

HP Color Scanner

Duplicating equipment, copiers, blueprinting, laser printers, etc.

Facsimile Machine

DESIGN SOFTWARE

Windows XP & 2000 based operating systems

Microsoft Office 2000 & 2002 is used for word processing, spreadsheet creation, data processing, and presentation creation. Alternative software including Corel Suite is available, if necessary Project designs and specifications are produced in our Computer Aided Drafting and Design (CADD) section using all versions of AutoCAD including Release current civil 3d version.

Hydrogeologic Studies

MODFLO

MODPATH

SURFER

CAPZONE

GWPATH

SKUGIS

PHREEQCI

WATEQ4F

Groundwater for Windows

Civil Engineering Software

Civil 3D

Profiling

Civilsoft

TR-20 & TR-55

SEDCAD

HEC 1 & 2

HEC-RAS

Arc GIS

ArcPAD

Carson Software

Geotechnical

GINT

STABL6

SHAFT

WSPRO

Various Bridge, Pavement, Pile and Foundation Software

SURVEY EQUIPMENT

- 8 - Trimble GPS Systems - 6-R8 Receivers & 2- R10 Receiver
- 6 Total Stations (2- Robotics)
- DJI Inspire II Drone
- NAK Micrometer Level System & Direct Levels
- 4X4 Vehicles, including ATV for off-road use
- 2-Way Radios

SUBSURFACE INVESTIGATION EQUIPMENT

SUBSURFACE INVESTIGATION EQUIPMENT

CTL Engineering Inc. owns and operates a fleet of geotechnical drill rigs and support vehicles. Our drill rigs are suitable to be used in a verity of terrains and under a verity of conditions including steep terrain, limited access, over water barge drilling. CTL can mobilize special equipment or a fleet of drilling rigs to a particular project requiring multiple units.

CTL's drill rigs are rotary drilling rigs equipped to conduct standard penetration testing (SPT) with calibrated hammers for split-spoon sampling and undisturbed Shelby tube samplers. Borings may be advanced through soil overburden and rock using various sizes of hollow stem augers (typically 3.25 inch), solid stem augers, spin casing with casing advancer, air and mud rotary, down-hole hammer, etc. Our rigs are also equipped to perform rock core sampling with Moyno pumps, wire-line or conventional rock coring equipment (typically NWL (NQ) - 2 inch double tube core barrels) for proper and efficient execution of a subsurface exploration program.

CTL current owns and operates eleven (11) geotechnical drill rigs listed as follow, with some having the capacity of drilling to depths greater than 500 feet and select rigs having angle drilling capability:

- 1996 CME 45C Skid, trailer, and/or Truck Mounted Drill Rig System
- 1988 CME 55 Truck Mounted Rig
- 2001 CME 55 Truck Mounted Rig
- 2001 CME 45C Rubber Track Mounted Rig
- 1987 CME 75 Truck Mounted Rig
- 2012 CME 550X Rubber Tired ATV Mounted Rig
- 2016 CME 550X Rubber Tired ATV Mounted Rig
- 2017 Mobile B-57 Truck Mounted Rig
- 2002 CME 55 Rubber Track Mounted Rig
- 2004 CME 45C Rubber Track Mounted Rig
- 2017 Mobile B-57 Rubber Track Mounted Rig

Some of CTL's more specialized drilling, sampling, and testing exploration equipment include:

- Mobile "Minuteman" small portable drilling rig, for limited and tight access drilling, used with tripod and powered cat and hammer system.
- Portable electric core drills with stands and truck mount system
- GeoVision Color Borehole video camera system with 300 foot range
- Inclinator testing equipment
- Packer test equipment with vibrating wire piezometers for determining transmissivity and storage coefficient of low permeability rock strata

- Borehole field shear vanes systems
- GUS Sampler (Gregory Undisturbed Sampler)
- Denison Core Barrel Sampler
- CME stabilized continuous sample tube system
- CME bearing head continuous sample tube system
- Acker pitcher sampler
- GEOTECH bladder pump with Geocontrol 2 Logic Unit
- NUMA "Super Jaw" down hole hammer
- CBR equipment
- Hand Augers
- Pump testing equipment
- Decontamination Equipment - Steam cleaners, drums, generators, etc
- Soil-gas survey equipment
- Ground Penetrating Radar
- Field and Lab electrical resistivity testing
- Geophysical refraction microtremor (REMI) surveying
- Geophysical 2D and 3D electrical resistivity and induced polarization surveying imaging
- Down hole temperature gauges, PID, FID, CGI and various field monitoring equipment

Drill crews have a wide verity of experiences drilling in different conditions, both surface and subsurface, installing monitoring wells, piezometers, inclinometers, along with other field sampling and testing equipment.

15. CURRENT ACTIVITIES ON WHICH YOUR FIRM IS THE DESIGNATED ENGINEER OF RECORD				
PROJECT NAME, TYPE AND LOCATION	NAME AND ADDRESS OF OWNER	NATURE OF YOUR FIRM'S RESPONSIBILITY	ESTIMATED CONSTRUCTION COST	PERCENT COMPLETE
WV AML Contract North 3	WVDEP	Reclamation Design	\$8,500,000	5%
ODNR TR 289	ODNR	Reclamation Design	\$4,000,000	80%
WVDOH Northern Connector	WVDOH	Contract Administration Construction Inspection	\$30,000,000	6%
Zeke Run Bridge Replacement	WVDOH	Transportation Design	\$2,500,000	13%
Marshall County Airport Slip Repair and Damages	Marshall County Airport Authority	Geotechnical Engineering	NA CTL - \$299,650	90%
TOTAL NUMBER OF PROJECTS: CTL is currently working on multiple projects, for the purpose of this EOI, a sample of recent projects are listed.				

16. CURRENT ACTIVITIES ON WHICH YOUR FIRM IS SERVING AS A SUB-CONSULTANT TO OTHERS					
PROJECT NAME, TYPE AND LOCATION	NATURE OF FIRMS RESPONSIBILITY	NAME AND ADDRESS OF OWNER	ESTIMATED COMPLETION DATE	ESTIMATED CONSTRUCTION COST	
				ENTIRE PROJECT	YOUR FIRMS RESPONSIBILITY
Morgantown Airport Expansion	Construction Management and Inspection	Michael Baker	2027	\$40,000,000	\$600,000
Levee Evaluation Airfield Drainage Improvement Development Program (Phase 1)	Geotechnical	American Structurepoint, Inc.	2026	NA	\$175,000
Reconnecting Bluefield Design Study	Transportation Engineering	AECOM	2025	NA	\$420,000
Leer Mine Complex	Construction Inspection	ICG Tygart Valley, LLC	2025	NA	\$94,000
Fort Martin FG Building	Construction Inspection	Beaver Excavating Company	2025	NA	T&M
WTAP Transmission Slip Repair North End	Geotechnical	WTAP	2025	NA	\$79,000

17. COMPLETED WORK WITHIN LAST 5 YEARS ON WHICH YOUR FIRM WAS THE DESIGNATED ENGINEER OF RECORD				
PROJECT NAME, TYPE AND LOCATION	NAME AND ADDRESS OF OWNER	ESTIMATED CONSTRUCTION COST	YEAR	CONSTRUCTED (YES OR NO)
Camp Dawson South Gate Road Slip Stabilization Design and Construction Testing	West Virginia Army National Guard	N/A CTL - \$129,878	2024	Yes
WVDOH District 4 Material Lab Assistance	WV Department of Transportation	N/A CTL - \$48,970	2022	No
Harrison Power Station Sedimentation Pond No. 1 Cell B Liner Repair	First Energy	N/A CTL - \$55,526	2022	Yes
TR 385 (Powells Lane) Slip Repair	Island Creek Township Trustees	N/A CTL - \$35,000	2025	Yes
BEL-70-9.35, PID 120547	Ohio Department of Transportation	N/A CTL - \$47,539	2024	Yes
TR 381 Slip Repair	Island Creek Township Trustees	N/A CTL - \$19,000	2021	Yes
SR0019-A20 Penn DOT Bridge	Mount Morris Water and Sewage Authority	N/A CTL - \$43,396	2021	Yes

18. COMPLETED WORK WITHIN LAST 5 YEARS ON WHICH YOUR FIRM HAS BEEN A SUB-CONSULTANT TO OTHER FIRMS (INDICATE PHASE OF WORK FOR WHICH YOUR FIRM WAS RESPONSIBLE)					
PROJECT NAME, TYPE AND LOCATION	NAME AND ADDRESS OF OWNER	ESTIMATED CONSTRUCTION COST OF YOUR FIRM'S PORTION	YEAR	CONSTRUCTED (YES OR NO)	FIRM ASSOCIATED WITH
Enslow Blvd. Bridge	WVDOH	N/A CTL - \$48,000	2024	Yes	Rettew 125 Granville Square, Suite 122, Morgantown, WV
Arizona Infrastructure Project Civil Site Design	Army Corps of Engineers	NA	2020	yes	Rizzo International
West Run Widening Morgantown, WV Surveying and Geotechnical	Surveying and Geotechnical	\$28,000,0000	2020	no	Herbert, Rowland and Grubic, Inc 829 Fairmont Road Morgantown, WV
Davis Lick Culvert No. 1	WVDOH	N/A CTL - \$40,000	2025	no	Markosky Engineering Group 3689 Route 711, Ligonier, PA 15658
Parkersburg WTP Improvements	City of Parkersburg	N/A CTL - \$31,388	2024	yes	Burgess & Niple, Inc. 330 Rush Alley, Suite 700, Columbus, OH - 43215
<p>19. Use this space to provide any additional information or description of resources supporting your firm's qualifications to perform work for the West Virginia Abandoned Mine Lands Program.</p> <p>For the past 30 years, CTL has successfully designed more than 200 AML projects. We have worked nationally and internationally on a variety of AML problem sites. We have developed unique solutions that have been applied to site development, AMD Treatment, Mine Subsidence Abatement, Mine Fires and Highwall Elimination. Routinely, CTL is involved with highwall and refuse pile stabilization, extinguishment and landslides.</p>					
<p>20. The foregoing is a statement of facts.</p> <p>Signature: <u>Alanna Keller</u> Title: <u>Principal</u></p> <p>Printed Name: <u>Alanna Keller, P.E.</u></p>				<p>Date: 8/15/2025</p>	

NOTE: THIS DOCUMENT WILL BECOME VOID AFTER DECEMBER 31 IN CALENDAR YEAR OF DATE HEREON.

AML and RELATED PROJECT EXPERIENCE MATRIX (2008 - 2025)																						
PROJECT	Exp. Basis C=Corp. P=Personal *	Additional Info Provided in Section (s) **	PROJECT EXPERIENCE REQUIREMENTS															PRIMARY STAFF PARTICIPATION/CAPACITY *** M=Management P=Professional				
			Abandoned Surface Mine Reclamation	Abandoned Deep Mine Reclamation	Portal/Shaft Closure	Hydrologic/Hydraulic Design/Eval.	Remining Evaluation	Mine Refuse/ Fire Abatement	Subsidence Investigation Mitigation	Hazardous Waste Disposal	Project Specifications	Water Quality Evaluation/Mitigation/ Replacement	Construction Inspection/Management	Water Treatment	Equipment/ Structure Removal	Stream Restoration	Geotechnical/Stability	PATRICK GALLAGHER, PE	ALANNA KELLER	JOSEPH STANLEY	CARL SELFIDGE	DEREK KISS
WVDEP AML CONTRACT NORTH 3	C	Profile	X		X	X		X	X	X	X	X		X		X	MP	MP	P		P	
ODNR TR 289	C	Profile	X			X					X						MP	MP	P		P	
MORGANTOWN ANDERSON HIGHWALLS (WV AML '12)	C	Profile		X	X	X					X						MP	MP	P		P	
SCHRAMM - GORDON -EAST FRANKLIN LANDSLIDES (MD AML '12)	C		X	X							X					X	MP	MP	P	P		
DOUGLAS AVENUE STORMWATER SYSTEM (MD AML '12)	C					X						X					MP					
FAIRMONT SUBSIDENCE (WV AML '12)	C			X					X		X					X	MP	MP	P	P	P	
DOUGLAS AVENUE LANDSLIDE (MD AML '12)	C			X		X			X		X					X	MP	MP	P	P	P	
LOWER CONSOL ROAD SUBSIDENCE (MD AML '11)	C		X	X					X		X					X	MP	MP	P	P	P	
BALD KNOB WATER SUPPLY STUDY (MD AML '12)	C					X						X					MP	MP				
SHINNS RUN PORTALS (WV AML '11)	C	Profile		X	X											X	MP	MP	P	P	P	
REAM REFUSE PILE (WV AML '10)	C		X					X									MP	MP	P			
PEE WEE HILL WATER SUPPLY (MD AML '10)	C											X					MP	MP				
TERRA HAUTE AIRPORT (IN AML '10)	C			X	X				X		X					X	MP	MP		P		
KENNEL MINE CLOSURE (MD AML '10)	C		X	X	X						X						MP	MP	P			
FROSTBURG NORTH CLOSURE (MD AML '10)	C		X	X	X						X						MP	MP	P			
PEE WEE HILL WATER FEASIBILITY (MD AML '10)	C											X					MP	MP		P		
WILLIAMS REFUSE PILE #2 (Private AML '09)	C	Profile	X			X	X			X	X	X	X	X		X						
PENINSULA HIGHWALLS (WV AML '09)	C	Profile	X	X		X			X		X					X	MP	MP	P	P	P	
ST. CLAIR PORTALS (WV AML '09)	C	Profile	X	X	X	X					X				X	X	MP	MP	P	P	P	
CHEAT NECK LANDSLIDE (WV AML '09)	C				X	X					X					X	MP	MP	P	P		
FARMINGTON UMC (WV DEP EMER. '09)	C								X		X						MP	MP		P		
MORNINGSIDE BAPTIST (WV DEP EMER. '09)	C								X		X						MP	MP		P		
COLLINS MINING (ODNR FOR. '09)	C		X								X						MP	MP	P			
FAIRVIEW WATER FEASIBILITY(WV AML '09)	C											X					MP	MP				
AARON'S RUN (MD AML '09)	C	Profile	X			X					X	X		X		X	MP	MP	P			
ECCLES SUBSIDENCE (WV AML '08)	C								X		X					X	MP	MP		P		
McARTHUR SUBSIDENCE (WV AML '08)	C								X							X	MP	MP		P		
TIOGA WATER FEASIBILITY (WV AML '08)	C											X					MP	MP				
McCOURT LANDSLIDE(ODNR FOR. '08)	C		X			X					X					X	MP	MP	P	P		
JONES TRUCKING (ODNR FOR. '08)	C		X								X						MP	MP	P			
MILLER MINING (ODNR FOR. '08)	C					X					X	X					MP	MP	P			
ZILMAN CLOSURE (MD AML '08)	C			X	X						X						MP	MP	P			
CALDONIA HILL SLOPE STABILITY (MD AML '08)	C		X													X	MP	MP				
WEST VIRGINIA BRIM (2005 - 2012) 42 Projects	C								X							X	MP	MP		P		
OMSIUA (2005 - 2010) 47 Projects	C								X							X	MP	MP		P		
(2005 - 2008) 20 Additional AML Projects for WV, MD, OH, PA	C		X	X	X				X		X	X	X			X	MP	MP		P		

* List whether project experience is corporate or personnel based or both.
 ** Use this area to provide specific sections or pages if needed for reference.
 *** List Primary Design personnel and their functional capacity for the projects listed.

WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION

AML CONSULTANT QUALIFICATION QUESTIONNAIRE Attachment "B"

PROJECT NAME AML-EOI Pre-Qualification for Consultants		DATE (DAY, MONTH, YEAR) August 15, 2025		FEIN 11-2537074																																					
1. FIRM NAME Greenman-Pedersen, Inc.		2. HOME OFFICE BUSINESS ADDRESS 58 Mission Way, Suite 201 Scott Depot, WV 25560		3. FORMER FIRM NAME N/A																																					
4. HOME OFFICE TELEPHONE (304) 507-8101	5. ESTABLISHED (YEAR) 1966	6. TYPE OWNERSHIP Individual CORPORATION Partnership Joint-Venture		6a. WV REGISTERED DBE (Disadvantaged Business Enterprise) YES NO																																					
7. PRIMARY AML DESIGN OFFICE: ADDRESS/ TELEPHONE/ PERSON IN CHARGE/ NO. AML DESIGN PERSONNEL EACH OFFICE 58 Mission Way, Suite 201, Scott Depot, WV 25560 / (304) 507-8101 / James Simpson, PE																																									
8. NAMES OF PRINCIPAL OFFICERS OR MEMBERS OF FIRM Michael Buoncore, Director Steven Greenman, Director Patrick Kenneally, President Douglass Robb, Secretary Robert Hough, Treasurer		8a. NAME, TITLE, & TELEPHONE NUMBER - OTHER PRINCIPALS James (JD) Simpson, Executive Vice President, (304) 881-5225 John (Joey) Gallagher, Vice President (614) 395-4896																																							
9. PERSONNEL BY DISCIPLINE																																									
<table border="0"> <tr> <td><u>115</u> ADMINISTRATIVE</td> <td>— ECOLOGISTS</td> <td><u>13</u> LANDSCAPE ARCHITECTS</td> <td><u>141</u> STRUCTURAL ENGINEERS</td> </tr> <tr> <td><u>1</u> ARCHITECTS</td> <td>— ECONOMISTS</td> <td><u>54</u> MECHANICAL ENGINEERS</td> <td><u>114</u> SURVEYORS</td> </tr> <tr> <td>— BIOLOGIST</td> <td><u>39</u> ELECTRICAL ENGINEERS</td> <td>— MINING ENGINEERS</td> <td><u>112</u> TRAFFIC ENGINEERS</td> </tr> <tr> <td><u>50</u> CADD OPERATORS</td> <td><u>28</u> ENVIRONMENTALISTS</td> <td><u>27</u> PHOTOGRAMMETRISTS</td> <td><u>13</u> GIS SPECIALISTS</td> </tr> <tr> <td>— CHEMICAL ENGINEERS</td> <td><u>0</u> ESTIMATORS</td> <td><u>10</u> PLANNERS:</td> <td><u>81</u> COATINGS ENG/INSPECTORS</td> </tr> <tr> <td><u>203</u> CIVIL ENGINEERS</td> <td>— GEOLOGISTS</td> <td>URBAN/REGIONAL</td> <td><u>34</u> DIVERS</td> </tr> <tr> <td><u>429</u> CONSTRUCTION INSPECTORS</td> <td>— HISTORIANS</td> <td><u>1</u> SANITARY ENGINEERS</td> <td><u>10</u> FIRE PROTECTION ENGINEER</td> </tr> <tr> <td>— DESIGNERS</td> <td><u>1</u> HYDROLOGISTS</td> <td>— SOILS ENGINEERS</td> <td><u>305</u> OTHER</td> </tr> <tr> <td>— DRAFTSMEN</td> <td></td> <td>— SPECIFICATION WRITERS</td> <td></td> </tr> </table>						<u>115</u> ADMINISTRATIVE	— ECOLOGISTS	<u>13</u> LANDSCAPE ARCHITECTS	<u>141</u> STRUCTURAL ENGINEERS	<u>1</u> ARCHITECTS	— ECONOMISTS	<u>54</u> MECHANICAL ENGINEERS	<u>114</u> SURVEYORS	— BIOLOGIST	<u>39</u> ELECTRICAL ENGINEERS	— MINING ENGINEERS	<u>112</u> TRAFFIC ENGINEERS	<u>50</u> CADD OPERATORS	<u>28</u> ENVIRONMENTALISTS	<u>27</u> PHOTOGRAMMETRISTS	<u>13</u> GIS SPECIALISTS	— CHEMICAL ENGINEERS	<u>0</u> ESTIMATORS	<u>10</u> PLANNERS:	<u>81</u> COATINGS ENG/INSPECTORS	<u>203</u> CIVIL ENGINEERS	— GEOLOGISTS	URBAN/REGIONAL	<u>34</u> DIVERS	<u>429</u> CONSTRUCTION INSPECTORS	— HISTORIANS	<u>1</u> SANITARY ENGINEERS	<u>10</u> FIRE PROTECTION ENGINEER	— DESIGNERS	<u>1</u> HYDROLOGISTS	— SOILS ENGINEERS	<u>305</u> OTHER	— DRAFTSMEN		— SPECIFICATION WRITERS	
<u>115</u> ADMINISTRATIVE	— ECOLOGISTS	<u>13</u> LANDSCAPE ARCHITECTS	<u>141</u> STRUCTURAL ENGINEERS																																						
<u>1</u> ARCHITECTS	— ECONOMISTS	<u>54</u> MECHANICAL ENGINEERS	<u>114</u> SURVEYORS																																						
— BIOLOGIST	<u>39</u> ELECTRICAL ENGINEERS	— MINING ENGINEERS	<u>112</u> TRAFFIC ENGINEERS																																						
<u>50</u> CADD OPERATORS	<u>28</u> ENVIRONMENTALISTS	<u>27</u> PHOTOGRAMMETRISTS	<u>13</u> GIS SPECIALISTS																																						
— CHEMICAL ENGINEERS	<u>0</u> ESTIMATORS	<u>10</u> PLANNERS:	<u>81</u> COATINGS ENG/INSPECTORS																																						
<u>203</u> CIVIL ENGINEERS	— GEOLOGISTS	URBAN/REGIONAL	<u>34</u> DIVERS																																						
<u>429</u> CONSTRUCTION INSPECTORS	— HISTORIANS	<u>1</u> SANITARY ENGINEERS	<u>10</u> FIRE PROTECTION ENGINEER																																						
— DESIGNERS	<u>1</u> HYDROLOGISTS	— SOILS ENGINEERS	<u>305</u> OTHER																																						
— DRAFTSMEN		— SPECIFICATION WRITERS																																							
<p>TOTAL NUMBER OF WV REGISTERED PROFESSIONAL ENGINEERS IN PRIMARY OFFICE: 7</p> <p>*RPEs other than Civil and Mining must provide supporting documentation that qualifies them to supervise and perform this type of work.</p>																																									
<p>Total personnel number for Greenman-Pedersen, Inc., West Virginia operations is 51.</p>																																									
10. HAS THIS JOINT-VENTURE WORKED TOGETHER BEFORE? <input type="checkbox"/> YES <input type="checkbox"/> NO Not Applicable																																									

11. OUTSIDE KEY CONSULTANTS/SUB-CONSULTANTS ANTICIPATED TO BE USED. Attach "AML Consultant Qualification Questionnaire".

NAME AND ADDRESS: N/A	SPECIALTY:	<p>WORKED WITH BEFORE</p> <p>_____ Yes</p> <p>_____ No</p>
NAME AND ADDRESS:	SPECIALTY:	<p>WORKED WITH BEFORE</p> <p>_____ Yes</p> <p>_____ No</p>
NAME AND ADDRESS:	SPECIALTY:	<p>WORKED WITH BEFORE</p> <p>_____ Yes</p> <p>_____ No</p>
NAME AND ADDRESS:	SPECIALTY:	<p>WORKED WITH BEFORE</p> <p>_____ Yes</p> <p>_____ No</p>
NAME AND ADDRESS:	SPECIALTY:	<p>WORKED WITH BEFORE</p> <p>_____ Yes</p> <p>_____ No</p>
NAME AND ADDRESS:	SPECIALTY:	<p>WORKED WITH BEFORE</p> <p>_____ Yes</p> <p>_____ No</p>
NAME AND ADDRESS:	SPECIALTY:	<p>WORKED WITH BEFORE</p> <p>_____ Yes</p> <p>_____ No</p>
NAME AND ADDRESS:	SPECIALTY:	<p>WORKED WITH BEFORE</p> <p>_____ Yes</p> <p>_____ No</p>
NAME AND ADDRESS:	SPECIALTY:	<p>WORKED WITH BEFORE</p> <p>_____ Yes</p> <p>_____ No</p>

12.	A.	Is your firm experienced in Abandoned Mine Lands Remediation/Mine Reclamation Engineering?
		<div><div>YES</div>Our survey crew chief JB Chambers has worked on multiple AML projects over his 30-year career. Most recently he has been working for CTL on projects in Monongalia & Barbour County.</div>
		NO
	B.	Is your firm experienced in Soil Analysis?
		YES Description and Number of Projects: _____
		<div>NO</div>
	C.	Is your firm experienced in hydrology and hydraulics?
		<div>YES</div> Our firm employees non-professional engineers with experience and training and hydrology and hydraulics in the last seven years we have done several dozen highway projects related to small bridges and roadway warnings that require a hydraulic analysis and a hydrology study.
		NO
	D.	Does your firm produce its own Aerial Photography and Develop Contour Mapping?
		<div>YES</div> GPI is the parent company of GPI Geospatial through GPI Geospatial we have capabilities for large scale aerial photography projects, using high-fidelity imagery, and LiDAR. We own our own equipment, including aircraft and unmanned aircraft as well as mobile units of land with experience in this type of mapping in recent mobile LiDAR projects, as well as multiple division of highways mapping.
		NO
	E.	Is your firm experienced in domestic waterline design? (Include any experience your firm has in evaluation of aquifer degradation as a result of mining.)
		YES Description and Number of Projects: _____
		<div>NO</div>
	F.	Is your firm experienced in Acid Mine Drainage Evaluation and Abatement Design?
		YES Description and Number of Projects: _____
		<div>NO</div>

13. PERSONAL HISTORY STATEMENT OF PRINCIPALS AND ASSOCIATES RESPONSIBLE FOR AML PROJECT DESIGN (Furnish complete data but keep to essentials)

NAME & TITLE (Last, First, Middle Int.)	YEARS OF EXPERIENCE		
	YEARS OF AML DESIGN EXPERIENCE:	YEARS OF AML RELATED DESIGN EXPERIENCE:	YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE:
Endicott, Danielle, Director of Survey	N/A	<1	N/A

Brief Explanation of Responsibilities
 Ms. Endicott is an accomplished Land Surveyor and engineering technician with over 30 years of experience. Starting as a rodman and draftsman, while working through college and graduated with an associate degree in civil/Surveying Engineering Technology from West Virginia Institute of Technology. She received her first professional surveyors license in 1998 and has an extensive background in engineering and surveying includes highway design, cadastral/boundary retracement, geodetic control surveys, photogrammetric control surveys, construction layout and inspection, hydrographic surveys.
 Her experience also includes providing Quality Assurance and Quality Control of construction plans before and during construction. Initial site visits to assess the conditions of the project including but not limited to degradation of bridge abutments, deck, piers and structural beams, condition of embankments and investigation of drainage systems. Estimate cost for labor, equipment and material for projects based on initial site visits. Create scope of work of data acquisition. Compile data into design files such as base mapping and existing surface files used for design of new construction. Drafting construction plans that represent design of new or rehabilitated structures and follow up with quality assurance and control during construction.
 Extensive experience in the use of various surveying and civil engineering software packages such as Trimble Business Center, Autodesk Civil 3D, Microstation, Inroads, Power Inroads, OpenRoads Designer and Esri ArcGIS.

EDUCATION (Degree, Year, Specialization)	
A.S., 1991, Civil/Surveying Engineering Technology	
MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS	REGISTRATION (Type, Year, State)
West Virginia Society of Professional Surveyors	Professional Land Surveyor, West Virginia, 1983

13. PERSONAL HISTORY STATEMENT OF PRINCIPALS AND ASSOCIATES RESPONSIBLE FOR AML PROJECT DESIGN (Furnish complete data but keep to essentials)

NAME & TITLE (Last, First, Middle Int.)	YEARS OF EXPERIENCE		
	YEARS OF AML DESIGN EXPERIENCE:	YEARS OF AML RELATED DESIGN EXPERIENCE:	YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE:
Long, Travis, Director of West Virginia Operations	N/A	1	N/A

Brief Explanation of Responsibilities
 Mr. Long is an accomplished engineering professional with over 30 years of progressive leadership experience in operations management, project development, and technical expertise. Proven ability to oversee diverse teams, manage multimillion-dollar budgets, and deliver innovative solutions in engineering design and infrastructure development. Adept at streamlining processes, driving operational efficiency, and fostering collaboration with internal and external stakeholders.

EDUCATION (Degree, Year, Specialization)	
Bridge Valley Technical College – Civil Technology with Construction Emphasis (2003–2007); Glenville State College – Survey and Land Management (2009–2011); Fairmont State College – Civil Technology (1999–2003)	
MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS	REGISTRATION (Type, Year, State)
	N/A

13. PERSONAL HISTORY STATEMENT OF PRINCIPALS AND ASSOCIATES RESPONSIBLE FOR AML PROJECT DESIGN (Furnish complete data but keep to essentials)

NAME & TITLE (Last, First, Middle Int.)	YEARS OF EXPERIENCE		
	YEARS OF AML DESIGN EXPERIENCE:	YEARS OF AML RELATED DESIGN EXPERIENCE:	YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE:
Dankmyer, Todd, QA/QC Manager	N/A	2	N/A

Brief Explanation of Responsibilities
Mr. Dankmyer has an extensive background in all aspects of Roadway Design and scoping. Recently, he was the lead negotiator for the West Virginia Department of Transportation, Division of Highways, Engineering Division, Consultant Services Group. During his almost three years, Mr. Dankmyer was involved with all aspects of Consultant procurement, including, but not limited to, providing input for selection of firms via prequalification agreements, helping with shortlisting Consulting firms for advertised projects, was moderator for interviews of shortlisted firms along with summarizing preliminary selection committee's votes to determine winning firm, scoping of all types of projects, including small to large bridge replacements, small to large bridge rehabs, various types of roadway projects, other projects that were not the "average" bridge or roadway project, he negotiated man-hours and fee for all projects scoped, negotiated supplemental agreements for various projects when scope changes occurred, went to upcoming project sites to help determine if project could be selected via prequalification or needed to be advertised, and made changes to the WVDOH Fee Proposal spreadsheet to correct any mistakes found or as a result of policy changes.

EDUCATION (Degree, Year, Specialization)

B.S. / 1999 / Civil Engineering

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS

West Virginia Society of Professional Surveyors

REGISTRATION (Type, Year, State)

Professional Land Surveyor, 2004, West Virginia

13. PERSONAL HISTORY STATEMENT OF PRINCIPALS AND ASSOCIATES RESPONSIBLE FOR AML PROJECT DESIGN (Furnish complete data but keep to essentials)

NAME & TITLE (Last, First, Middle Int.)	YEARS OF EXPERIENCE		
	YEARS OF AML DESIGN EXPERIENCE:	YEARS OF AML RELATED DESIGN EXPERIENCE:	YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE:
J.B. Chambers, Survey Project Manager	N/A	2	N/A

Brief Explanation of Responsibilities
Mr. Chambers is a Senior Surveyor at GPI with 42 years of experience in the surveying industry. Managing multiple projects and personnel, he has performed a wide variety of duties consisting of construction monitoring, construction layout, topographic surveys, highway engineering, lock and dams, power plants, chemical plants, petrochemical plants, commercial development, private development, streetscapes, public schools, colleges, universities, ALTA surveys, local airports, regional airports, national airports, and infrastructure surveys and designs.

EDUCATION (Degree, Year, Specialization)

Garrett Community College, McHenry, MD

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS

REGISTRATION (Type, Year, State)

N/A

13. PERSONAL HISTORY STATEMENT OF PRINCIPALS AND ASSOCIATES RESPONSIBLE FOR AML PROJECT DESIGN (Furnish complete data but keep to essentials)

NAME & TITLE (Last, First, Middle Int.)	YEARS OF EXPERIENCE		
	YEARS OF AML DESIGN EXPERIENCE:	YEARS OF AML RELATED DESIGN EXPERIENCE:	YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE:
Flint, Robert, Senior Coatings Inspector	N/A	N/A	N/A

Brief Explanation of Responsibilities
 Mr. Flint's experience in the coatings industry includes coatings inspection, cathodic protection, and construction inspection on numerous structures. He has provided quality control inspection services for coatings and construction. He has a full understanding of all inspection equipment for coating related services and is well versed in the interpretation of plans and specifications. He is an ODOT pre-qualified, NACE Certified Level 2 Inspector with SSPC "Competent Person Lead Training." He understands the various degrees of surface preparation and coating applications.

API 1169 Pipeline Inspector; NACE Certified Coatings Inspector Level 1; NACE Certified Coatings Inspector Level 2, with Bridge Endorsement; NACE Cathodic Protection Tester Asbestos Inspector; ODOT Pre-Qualified Coatings Inspector; ODOT Work Type 26, Steel Painting; ODOT Work Type 57, Concrete Sealing; SSPC C-3 Supervisor/Competent Person for Deleading of Industrial Structures; NACE Certified Bridge Course; OSHA 10 Hour Construction Safety Course; OSHA 30 Hour Construction Outreach Course

EDUCATION (Degree, Year, Specialization)

B.S. / 1992 / Business Administration

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS	REGISTRATION (Type, Year, State)
AMMP (Formally NACE)	N/A

13. PERSONAL HISTORY STATEMENT OF PRINCIPALS AND ASSOCIATES RESPONSIBLE FOR AML PROJECT DESIGN (Furnish complete data but keep to essentials)

NAME & TITLE (Last, First, Middle Int.)	YEARS OF EXPERIENCE		
	YEARS OF AML DESIGN EXPERIENCE:	YEARS OF AML RELATED DESIGN EXPERIENCE:	YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE:
Taylor, John, Senior Technician	N/A	N/A	N/A

Brief Explanation of Responsibilities
 Mr. Taylor has over 37 years of experience in the transportation construction and materials industries, including contract management and administration. He is currently the project manager for Greenman-Pedersen, Inc's. (GPI) West Virginia field project inspection staff and its project safety initiatives. Projects include construction management/administration via prime contractor and QA/QC assignments. Project delivery systems include design/bid/build and design/build. Recently, he served as the Assistant Director for the Contract Administration of the West Virginia Division of Highways (WVDOH) specifically assigned to the Logistics and Technologies Unit and the End User Designee (EUD) for AASHTOWare for the WVDOH. In this position, Mr. Taylor coordinated the advancement of eConstruction which made WVDOH a national leader in this field. He is experienced in the use of all AASHTOWare products, the contract procurement process, BIDX, wvOASIS and the integration to AASHTOWare, materials processes and the overall business workflow of the WVDOH.

Prior to that position, Mr. Taylor spent 21 years within the Materials Control Soils and Testing Division (MCS&T) handling contract procurement, new product submittals, Laboratory Coordinator, Quality Assurance, special projects with the highlight being designer and project manager of the Dry Branch facility which includes the WVDOH Sign shop. He also developed the AASHTO R18 manual along with numerous Materials Procedures and processes. During this tenure, he also acted as the District Three Materials Supervisor during the early to mid-1990's.

EDUCATION (Degree, Year, Specialization)

B.S., 1988, Civil Engineering

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS	REGISTRATION (Type, Year, State)
	N/A

14. PROVIDE A LIST OF SOFTWARE AND EQUIPMENT AVAILABLE IN THE PRIMARY OFFICE WHICH WILL BE USED TO COMPLETE AML DESIGN SERVICES

Survey Equipment

1 Trimble X7 - Total Station/Scanner
5 Trimble TSC7 - Data Collector
9 Trimble Traverse – Kit Prism
4 Trimble TDL450H - External Radio
1 Trimble T10 Tablet - Data Collector
2 Trimble SX-12 - Total Station/Scanner
1 Trimble SX-10 - Total Station/Scanner
1 Trimble S9 0.5" DR HP Total Station -Total Station/Scanner
2 Trimble Optical Power Kit - Multi Battery Adapter
4 Trimble lunch Pale - Battery
4 Trimble Dini Level - Digital Level
6 Trimble GNSS R12i - GNSS
2 Trimble GNSS R12 - GNSS
1 Schonstedt GA-92XT - Metal Detector
1 Schonstedt GA-52CX - Metal Detector
1 Schonstedt - ADL35-2 - Magnetic Locator
2 Schonstedt - Magnetic Locator
1 Mifi Box - Netgear
1 DJI Drone - Mavic 3 ENT - FAA: FA39AR39FW
1 SkydioX10-69ux - Drone - FAA: FA3YCLEFK7
1 SkydioX10 – Controller

Various On- and Off-Road Vehicles

12 Various Dodge Ram 1500 4x4 Trucks
6 GMC Terrain SUVs
1 Silverado 1500 Truck
1 Ford Explorer SUV
2 Kawasaki ATV Can-Am SSR Defenders
2 Honda ATVs
2 Kawasaki Sure-Trac Trailers

Various Hardware and Software Including:

AirData
Autodesk AEC Collection
Bentley E365
Bitdefender - Endpoint Security with MDR
Bitdefender - XDR Identitiy Sensor
Bluebeam
CivilGEO HECRAS 1D
Drone Deploy
ESRI AGOL Credits
ESRI ArcGIS 3D Analyst Desktop Concurrent
ESRI ArcGIS Desktop Advanced Concurrent
ESRI ArcGIS Desktop Basic Concurrent
ESRI ArcGIS Spatial Analyst Desktop Concurrent
HydroCAD 90 and 200-Nodes
InfoTech
InRoads
Lumion
MDX Curved & Straight
Microsoft M365 E5
MicroSurvey StarNET
Microstation
MIDASoft MIDASoft - Midas Civil w 1 CGM +1 GSD & Design+
OnStation
Oracle Primavera P6 Professional Project Management
PDQ
Pix4Dmapper
PTC MathCAD
Skydio 3D Scan
Skydio Enterprise License
SlashNext - Enterprise Plus
TopoDOT
Transoft - AutoTURN Pro USL
Transoft GuideSIGN Team
Trimble Business Center
Trimble Centerpoint RTX
Veeam

15. CURRENT ACTIVITIES ON WHICH YOUR FIRM IS THE DESIGNATED ENGINEER OF RECORD				
PROJECT NAME, TYPE AND LOCATION	NAME AND ADDRESS OF OWNER	NATURE OF YOUR FIRM'S RESPONSIBILITY	ESTIMATED CONSTRUCTION COST	PERCENT COMPLETE
WVDOH Walnut Street Bridge, Survey, Monongalia	West Virginia Department of Transportation - 5707 MacCorkle Ave SE, Charleston, WV 25304	Surveying Services	60,259.00	100%
Miller Residence Survey Stake Out for Ad, Survey	Rich Gannon Construction, Inc. - 3 Dogwood Lane, Huntington, WV 25701	Surveying Services	10,000.00	90%
Morgantown Util Bd NSR Monitoring Plan, Survey	Morgantown Utility Board- 278 Green Bag Road, Morgantown, WV 26501	Surveying Services	47,703.00	50%
Sam Miller Boundary Survey	Matt Miller - 1316 12th Street, Huntington, WV 25701	Surveying Services	1,800.00	80%
Matt and Carol Miller Survey, Huntington	Matt Miller - 1316 12th Street, Huntington, WV 25701	Surveying Services	4,800.00	100%
CNE - Poured Walls Stakeout, Survey	CNE Poured Wall, Inc. - 300 4th Ave, Gallipolis, Ohio 45631	Surveying Services	3,912.00	ON CALL
East Huntington Cable Stay Bridge, Design	West Virginia Department of Transportation - 5707 MacCorkle Ave SE, Charleston, WV 25304	Bridge Design Services	537,400.00	100%
WVDOH Terradon-Feagans Garage Bridge, Design	West Virginia Department of Transportation - 5707 MacCorkle Ave SE, Charleston, WV 25304	Bridge Design Services	123,217.00	30%
WVDOH Contract Administration Assistance, Inspection, Charleston, WV	West Virginia Department of Transportation - 5707 MacCorkle Ave SE, Charleston, WV 25304	Inspection Services	354,954.00	ON CALL
Carter Br./Brooks St. IC, Inspection	West Virginia Department of Transportation - 5707 MacCorkle Ave SE, Charleston, WV 25304	Inspection Services	5,677,389.00	0%
2023-2024 WVDOH Coatings Inspection, Statewide	West Virginia Department of Transportation - 5707 MacCorkle Ave SE, Charleston, WV 25304	Inspection Services	\$3,285,232.00	ON CALL
2023-2024 WVDOH Statewide Construction Inspection Contract	West Virginia Department of Transportation - 5707 MacCorkle Ave SE, Charleston, WV 25304	Inspection Services	6,249,790.55	ON CALL
Gimlet Hollow OP & James River Rd OP CEI Inspection	West Virginia Department of Transportation - 5707 MacCorkle Ave SE, Charleston, WV 25304	Inspection Services	3,933,248.11	ON CALL
Rand Draining Project, Inspection	West Virginia Department of Transportation - 5707 MacCorkle Ave SE, Charleston, WV 25304	Inspection Services	1,677,531.04	20%

NOTE: THIS LIST IS A REPRESENTATION OF PROJECTS FROM OUR WEST VIRGINIA OFFICE, NOT FIRMWIDE

15. CURRENT ACTIVITIES ON WHICH YOUR FIRM IS THE DESIGNATED ENGINEER OF RECORD				
PROJECT NAME, TYPE AND LOCATION	NAME AND ADDRESS OF OWNER	NATURE OF YOUR FIRM'S RESPONSIBILITY	ESTIMATED CONSTRUCTION COST	PERCENT COMPLETE
D1 Materials Testing Assistance, Inspection	West Virginia Department of Transportation - 5707 MacCorkle Ave SE, Charleston, WV 25304	Inspection Services	415,042.00	ON CALL
Corridor H - Parsons to Davis, Highway	West Virginia Department of Transportation - 5707 MacCorkle Ave SE, Charleston, WV 25304	Highway Design Services	40,961,229.00	50%
Flegal Dam & Reservoir Trail Bridges, Design	City of Morgantown, West Virginia, 389 Spruce Street. Morgantown WV, 26505	Bridge Design Services	168,713.00	100%
Mash Fork Bridge, Design	West Virginia Department of Transportation - 5707 MacCorkle Ave SE, Charleston, WV 25304	Bridge Design Services	455,511.00	95%
Wiant Hollow Bridge, Design	West Virginia Department of Transportation - 5707 MacCorkle Ave SE, Charleston, WV 25304	Bridge Design Services	618,222.00	100%
Rick Howard Sanders Memorial Bridge, Design	West Virginia Department of Transportation - 5707 MacCorkle Ave SE, Charleston, WV 25304	Bridge Design Services	555,694.00	60%
WVDOH, William C Brown Bridge, Design	West Virginia Department of Transportation - 5707 MacCorkle Ave SE, Charleston, WV 25304	Bridge Design Services	753,305.00	95%
WVDOH, Hardy Co 23/12 - VA State line, H, Design	West Virginia Department of Transportation - 5707 MacCorkle Ave SE, Charleston, WV 25304	Design Services	732,873.00	100%
North Valley Drive Bridge, Design	West Virginia Department of Transportation - 5707 MacCorkle Ave SE, Charleston, WV 25304	Bridge Design Services	515,998.00	95%
Junior Avenue Bridge, Design	West Virginia Department of Transportation - 5707 MacCorkle Ave SE, Charleston, WV 25304	Bridge Design Services	342,970.00	95%
Upper Kanawha Valley Bridge Bundle, Design	West Virginia Department of Transportation - 5707 MacCorkle Ave SE, Charleston, WV 25304	Bridge Design Services	3,182,937.00	90%
Management Support - Technical Support, Design	West Virginia Department of Transportation - 5707 MacCorkle Ave SE, Charleston, WV 25304	Design Services	750,000.00	ON CALL
WVDOH Camp Creek Bridge, Design, Mercer County	West Virginia Department of Transportation - 5707 MacCorkle Ave SE, Charleston, WV 25304	Bridge Design Services	691,009.00	95%
WVDOH, WV 9 Ridge Road Roundabout, Berk, Design	West Virginia Department of Transportation - 5707 MacCorkle Ave SE, Charleston, WV 25304	Roadway Design Services	1,645,048.00	15%

15. CURRENT ACTIVITIES ON WHICH YOUR FIRM IS THE DESIGNATED ENGINEER OF RECORD

PROJECT NAME, TYPE AND LOCATION	NAME AND ADDRESS OF OWNER	NATURE OF YOUR FIRM'S RESPONSIBILITY	ESTIMATED CONSTRUCTION COST	PERCENT COMPLETE
WVDOH Cpl Thomas Bennett Memorial Bridge, Design	West Virginia Department of Transportation - 5707 MacCorkle Ave SE, Charleston, WV 25304	Bridge Design Services	1,349,432.00	ON CALL
Tyler Creek Slab, Design	West Virginia Department of Transportation - 5707 MacCorkle Ave SE, Charleston, WV 25304	Design Services	760,257.00	45%
US Army SPC-4 Tommy Joe Belcher Memorial, Design	West Virginia Department of Transportation - 5707 MacCorkle Ave SE, Charleston, WV 25304	Bridge Design Services	755,841.00	15%
I-77 Belle Ramp over Piedmont & RR, Bridge, Charleston, WV	West Virginia Department of Transportation - 5707 MacCorkle Ave SE, Charleston, WV 25304	Bridge Design Services	712,013.00	100%
Williamstown Marietta Interstate Bridge, Bridge, Williamstown, WV	West Virginia Department of Transportation - 5707 MacCorkle Ave SE, Charleston, WV 25304	Bridge Design Services	1,266,209.00	ON CALL
WVDOH - Mash Fork Bridge Post Design, Bridge, Mercer County, WV	West Virginia Department of Transportation - 5707 MacCorkle Ave SE, Charleston, WV 25304	Bridge Design Services	66,223.00	0%
WVDOH - Camp Creek Bridge Post Design, Bridge, Mercer County, WV	West Virginia Department of Transportation - 5707 MacCorkle Ave SE, Charleston, WV 25304	Bridge Design Services	33,929.00	0%

16. CURRENT ACTIVITIES ON WHICH YOUR FIRM IS SERVING AS A SUB-CONSULTANT TO OTHERS

PROJECT NAME, TYPE AND LOCATION	NATURE OF FIRMS RESPONSIBILITY	NAME AND ADDRESS OF OWNER	ESTIMATED COMPLETION DATE	ESTIMATED CONSTRUCTION COST	
				ENTIRE PROJECT	YOUR FIRMS RESPONSIBILITY
WVDEP- 2023 AML Contract N3, Survey, Morgantown, WV	Survey Services	West Virginia Department of Environmental Protection - 601 57th Street SE, Charleston, WV 25304	12/5/2025	Not Known	875,006.00
Hackers Creek Bridge, Bridge, Morgantown, WV	Bridge Design Services	West Virginia Department of Transportation - 5707 MacCorkle Ave SE, Charleston, WV 25304	3/31/2028	Not Known	68,915.02
WVDOH, New Creek Bridge,Bridge, Mineral Co., New Creek, WV	Bridge Design Services	West Virginia Department of Transportation - 5707 MacCorkle Ave SE, Charleston, WV 25304	6/27/2025	Not Known	122,028.00
WVDOH Pepsi Cola Bridge, sub to TRC, Design, Princeton, WV	Design Services	West Virginia Department of Transportation - 5707 MacCorkle Ave SE, Charleston, WV 25304	6/30/2025	Not Known	62,433.00
WVDOH Wickham Avenue Bridge, Design, Princeton, WV	Design Services	West Virginia Department of Transportation - 5707 MacCorkle Ave SE, Charleston, WV 25304	12/31/2027	Not Known	123,171.00
WVDOH Claysville Bridge, Design, Claysville, WV	Design Services	West Virginia Department of Transportation - 5707 MacCorkle Ave SE, Charleston, WV 25304	2/28/2025	Not Known	69,374.00
WVDOH, Prickett Creek W-Beam Bridge, Design, Meadowdale, WV	Design Services	West Virginia Department of Transportation - 5707 MacCorkle Ave SE, Charleston, WV 25304	12/31/2026	Not Known	33,242.00
WVDOH Northern Connector +1 CMI, Inspection, Beckeley,WV	Inspection Services	West Virginia Department of Transportation - 5707 MacCorkle Ave SE, Charleston, WV 25304	3/28/2025	Not Known	200,000.00
Bristol Bridge EB & WB, Inspection, Bristol, WV	Inspection Services	West Virginia Department of Transportation - 5707 MacCorkle Ave SE, Charleston, WV 25304	4/30/2025	Not Known	1,351,971.30
Mountain View to Gilbert CI Services, Inspection, Gilbert, WV	Inspection Services	West Virginia Department of Transportation - 5707 MacCorkle Ave SE, Charleston, WV 25304	6/27/2025	Not Known	1,063,105.00
Butchers Run Truss, Survey, Morgantown, WV	Survey Services	West Virginia Department of Transportation - 5707 MacCorkle Ave SE, Charleston, WV 25304	12/31/2026	Not Known	46,573.56
WVDOH Deep Valley Bridge Replacement, Survey, Morgantown, WV	Survey Services	West Virginia Department of Transportation - 5707 MacCorkle Ave SE, Charleston, WV 25304	12/30/2025	Not Known	51,008.00
I-81 Welcome Centers, Survey, Morgantown, WV	Survey Services	West Virginia Department of Transportation - 5707 MacCorkle Ave SE, Charleston, WV 25304	8/1/2025	Not Known	162,282.00
WVDOH Winner Circle Bridge, Survey, Hurricane, WV	Survey Services	West Virginia Department of Transportation - 5707 MacCorkle Ave SE, Charleston, WV 25304	2/4/2026	Not Known	77,662.00
HRG - Weirton Site Survey, Survey, Weirton, WV	Survey Services	West Virginia Department of Transportation - 5707 MacCorkle Ave SE, Charleston, WV 25304	8/25/2025	Not Known	50,228.00

NOTE: THIS LIST IS A REPRESENTATION OF PROJECTS FROM OUR WEST VIRGINIA OFFICE, NOT FIRMWIDE

17. COMPLETED WORK WITHIN LAST 5 YEARS ON WHICH YOUR FIRM WAS THE DESIGNATED ENGINEER OF RECORD				
PROJECT NAME, TYPE AND LOCATION	NAME AND ADDRESS OF OWNER	ESTIMATED CONSTRUCTION COST	YEAR	CONSTRUCTED (YES OR NO)
West Virginia US 35 Design-Build QAM, Inspection, Henderson, WV	West Virginia Department of Transportation 5707 MacCorkle Ave SE, Charleston, WV 25304	10,604,700.19	2021	N/A
Robert C. Byrd Bridge - District 2, Inspection, Huntington, WV	West Virginia Department of Transportation 5707 MacCorkle Ave SE, Charleston, WV 25304	749,847.00	2023	N/A
Nutter Boundary Survey, Survey, Coalton, WV	Danny Nutter - 820 Willow Lane, Harrisburg, WV 27075	1,850.00	2025	N/A
Sandy Creek Church Boundary Survey, Survey, Bruceton Mills, WV	Sandy Creek Congregational Church - 21 Shady Grove Road, Bruceton Mills, WV 26525	2,500.00	2025	N/A
CNE - Poured Walls Stakeout, Survey Services, Point Pleasant, WV	CNE Poured Wall, Inc. - 300 4th Ave., Gallipolis, OH 45631	3,912.00	2025	N/A

NOTE: THIS LIST IS A REPRESENTATION OF PROJECTS FROM OUR WEST VIRGINIA OFFICE, NOT FIRMWIDE

18. COMPLETED WORK WITHIN LAST 5 YEARS ON WHICH YOUR FIRM HAS BEEN A SUB-CONSULTANT TO OTHER FIRMS (INDICATE PHASE OF WORK FOR WHICH YOUR FIRM WAS RESPONSIBLE)

PROJECT NAME, TYPE AND LOCATION	NAME AND ADDRESS OF OWNER	ESTIMATED CONSTRUCTION COST OF YOUR FIRM'S PORTION	YEAR	CONSTRUCTED (YES OR NO)	FIRM ASSOCIATED WITH
Morgantown Industrial Park Access Road, Morgantown, WV	West Virginia Department of Transportation - 5707 MacCorkle Ave SE, Charleston, WV 25304	181,656.00	2024	N/A	HNTB Corporation
Flat Rock Slab Surveys, Survey, Gladesville, WV	West Virginia Department of Transportation - 5707 MacCorkle Ave SE, Charleston, WV 25304	38,703.00	2025	N/A	TRC Engineers, Inc.

NOTE: THIS LIST IS A REPRESENTATION OF PROJECTS FROM OUR WEST VIRGINIA OFFICE, NOT FIRMWIDE

19. Use this space to provide any additional information or description of resources supporting your firm's qualifications to perform work for the West Virginia Abandoned Mine Lands Program.

GPI stands ready to support the WVDEP Abandoned mine lands program with over fifty (50) staff members in West Virginia. Our survey crews are equipped with the latest technology and equipment in the hands of experienced staff with over 150 years of combined experience. Mr. Chambers has experience related to AML projects in identifying portals, mining ruins and works.

20. The foregoing is a statement of facts.

Signature:  Title: Executive Vice President Date: 8/15/2025

Printed Name: James D. Simpson, P.E.

AML and RELATED PROJECT EXPERIENCE MATRIX																										
PROJECT	Exp. Basis C=Corp. P=Personnel *	Additional Info Provided in Section (s) **	PROJECT EXPERIENCE REQUIREMENTS																	PRIMARY STAFF PARTICIPATION/CAPACITY *** M=Management P=Professional						
			Abandoned Surface Mine Reclamation	Abandoned Deep Mine Reclamation	Portal/Shaft Closure	Hydrologic/Hydraulic Design/Eval.	Remining Evaluation	Mine/Refuse Fire Abatement	Subsidence Investigation Mitigation	Hazardous Waste Disposal	Project Specifications	Water Quality Evaluation/Mitigation/ Replacement	Construction Inspection/Managem ent	Water Treatment	Active/Passive Water Treatment Systems	Equipment/Structure Removal	Stream Restoration	Geotechnical/Stability	Danielle Endicott, PS	J.B. Chambers	Travis Long	Todd Dankmyer, PE	Clif Farley	Robert Flint	John Taylor	
WVDEP 2023 AML Contract	C		x			x			x		x		x				x	x	M	P	M	P	P	P	M	

* List whether project experience is corporate or personnel based or both.

** Use this area to provide specific sections or pages if needed for reference.

*** List Primary Design personnel and their functional capacity for the projects listed.

WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION

AML CONSULTANT QUALIFICATION QUESTIONNAIRE

Attachment "A"

PROJECT NAME AML-EOI Pre-Qualification for Consultants		DATE (DAY, MONTH, YEAR) August 20, 2025		FEIN 25-1844227					
1. FIRM NAME The Markosky Engineering Group, Inc.		2. HOME OFFICE BUSINESS ADDRESS 3689 Route 711, Ligonier, PA 15658		3. FORMER FIRM NAME N/A					
4. HOME OFFICE TELEPHONE 724-238-4138	5. ESTABLISHED (YEAR) 1999	6. TYPE OWNERSHIP Individual <input type="checkbox"/> Partnership <input type="checkbox"/> Corporation <input checked="" type="checkbox"/> Joint-Venture <input type="checkbox"/>		6a. WV REGISTERED DBE (Disadvantaged Business Enterprise) YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>					
7. PRIMARY AML DESIGN OFFICE: ADDRESS/ TELEPHONE/ PERSON IN CHARGE/ NO. AML DESIGN PERSONNEL EACH OFFICE 3689 Route 711, Ligonier, PA 15658 / 724-238-4138 / Ben Stufft, PG / 3 Design Personnel									
8. NAMES OF PRINCIPAL OFFICERS OR MEMBERS OF FIRM Mark A. Markosky, CEO; Matthew Walerysiak, COO; Jeremiah Fritz, CFO			8a. NAME, TITLE, & TELEPHONE NUMBER - OTHER PRINCIPALS						
9. PERSONNEL BY DISCIPLINE									
<table style="width: 100%; border: none;"> <tr> <td style="width: 25%; vertical-align: top;"> 22 ADMINISTRATIVE — ARCHITECTS 2 BIOLOGIST 2 CADD OPERATORS — CHEMICAL ENGINEERS 13 CIVIL ENGINEERS 14 CONSTRUCTION INSPECTORS 20 DESIGNERS — DRAFTSMEN </td> <td style="width: 25%; vertical-align: top;"> — ECOLOGISTS — ECONOMISTS 8 ELECTRICAL ENGINEERS 8 ENVIRONMENTALISTS — ESTIMATORS 1 GEOLOGISTS 3 HISTORIANS — HYDROLOGISTS </td> <td style="width: 25%; vertical-align: top;"> — LANDSCAPE ARCHITECTS — MECHANICAL ENGINEERS — MINING ENGINEERS — PHOTOGRAMMETRISTS 1 PLANNERS: URBAN/REGIONAL — SANITARY ENGINEERS — SOILS ENGINEERS — SPECIFICATION WRITERS </td> <td style="width: 25%; vertical-align: top;"> 4 STRUCTURAL ENGINEERS 1 SURVEYORS 31 TRAFFIC ENGINEERS OTHER 122 TOTAL PERSONNEL </td> </tr> </table>						22 ADMINISTRATIVE — ARCHITECTS 2 BIOLOGIST 2 CADD OPERATORS — CHEMICAL ENGINEERS 13 CIVIL ENGINEERS 14 CONSTRUCTION INSPECTORS 20 DESIGNERS — DRAFTSMEN	— ECOLOGISTS — ECONOMISTS 8 ELECTRICAL ENGINEERS 8 ENVIRONMENTALISTS — ESTIMATORS 1 GEOLOGISTS 3 HISTORIANS — HYDROLOGISTS	— LANDSCAPE ARCHITECTS — MECHANICAL ENGINEERS — MINING ENGINEERS — PHOTOGRAMMETRISTS 1 PLANNERS: URBAN/REGIONAL — SANITARY ENGINEERS — SOILS ENGINEERS — SPECIFICATION WRITERS	4 STRUCTURAL ENGINEERS 1 SURVEYORS 31 TRAFFIC ENGINEERS OTHER 122 TOTAL PERSONNEL
22 ADMINISTRATIVE — ARCHITECTS 2 BIOLOGIST 2 CADD OPERATORS — CHEMICAL ENGINEERS 13 CIVIL ENGINEERS 14 CONSTRUCTION INSPECTORS 20 DESIGNERS — DRAFTSMEN	— ECOLOGISTS — ECONOMISTS 8 ELECTRICAL ENGINEERS 8 ENVIRONMENTALISTS — ESTIMATORS 1 GEOLOGISTS 3 HISTORIANS — HYDROLOGISTS	— LANDSCAPE ARCHITECTS — MECHANICAL ENGINEERS — MINING ENGINEERS — PHOTOGRAMMETRISTS 1 PLANNERS: URBAN/REGIONAL — SANITARY ENGINEERS — SOILS ENGINEERS — SPECIFICATION WRITERS	4 STRUCTURAL ENGINEERS 1 SURVEYORS 31 TRAFFIC ENGINEERS OTHER 122 TOTAL PERSONNEL						
TOTAL NUMBER OF WV REGISTERED PROFESSIONAL ENGINEERS IN PRIMARY OFFICE: <u>12</u> *RPEs other than Civil and Mining must provide supporting documentation that qualifies them to supervise and perform this type of work.									
10. HAS THIS JOINT-VENTURE WORKED TOGETHER BEFORE? <input type="checkbox"/> YES <input type="checkbox"/> NO <u>N/A</u>									

11. OUTSIDE KEY CONSULTANTS/SUB-CONSULTANTS ANTICIPATED TO BE USED. Attach "AML Consultant Qualification Questionnaire".		
NAME AND ADDRESS: N/A	SPECIALTY:	WORKED WITH BEFORE _____ Yes _____ No
NAME AND ADDRESS:	SPECIALTY:	WORKED WITH BEFORE _____ Yes _____ No
NAME AND ADDRESS:	SPECIALTY:	WORKED WITH BEFORE _____ Yes _____ No
NAME AND ADDRESS:	SPECIALTY:	WORKED WITH BEFORE _____ Yes _____ No
NAME AND ADDRESS:	SPECIALTY:	WORKED WITH BEFORE _____ Yes _____ No
NAME AND ADDRESS:	SPECIALTY:	WORKED WITH BEFORE _____ Yes _____ No
NAME AND ADDRESS:	SPECIALTY:	WORKED WITH BEFORE _____ Yes _____ No
NAME AND ADDRESS:	SPECIALTY:	WORKED WITH BEFORE _____ Yes _____ No
NAME AND ADDRESS:	SPECIALTY:	WORKED WITH BEFORE _____ Yes _____ No

2. A. Is your firm's personnel experienced in Abandoned Mine Lands Remediation/Mine Reclamation Engineering?

☒ YES

Description and Number of Projects: Passive treatment system design/construction oversight, wetland and stream mitigation design/permitting, hydrogeologic evaluations, aquifer testing for hydraulic properties/geochemical analysis, overburden test hole drilling, acid-base accounting, and special handling plan development for over 25 projects.

☐ NO

B. Is your firm experienced in Soil Analysis?

☐ YES

Description and Number of Projects: _____

☐ NO

C. Is your firm experienced in hydrology and hydraulics?

☒ YES

Description and Number of Projects: Over 100 hydrology and hydraulics reports for infrastructure projects including: bridge/culvert replacements fill slope encroachments, oil/gas facilities, stream and wetland mitigation projects, stormwater and AMD treatment basin routing and analysis, passive AMD treatment design.

☐ NO

D. Does your firm produce its own Aerial Photography and Develop Contour Mapping?

☐ YES

Description and Number of Projects: _____

☐ NO

E. Is your firm experienced in domestic waterline design? (Include any experience your firm has in evaluation of aquifer degradation as a result of mining.)

☒ YES

Description and Number of Projects: Development of drilling schedules for the installation of piezometer nests/monitoring well networks to characterize hydraulic and geochemical properties, calculation of mine pool volumes/recharge rates, interpretation of historic mine and published geologic mapping, water supply impact evaluations, and aquifer testing.

☐ NO

. Is your firm experienced in Acid Mine Drainage Evaluation and Abatement Design?

☒ YES Description and Number of Projects: Design of passive treatment systems including aerobic wetlands, vertical flow ponds, anoxic limestone drains, and manganese oxidation beds, including site layout, pollutant loading, and cost analysis of these systems. Utilization of AMDtreat to analyze system costs, including system operation, maintenance and life cycles.

NO

G. Is your firm experienced in construction oversight?

☒ YES Description and Number of Projects: Transportation inspection services throughout the Commonwealth of Pennsylvania. We have provided Construction Inspection services to PennDOT, PA Turnpike Commission, and other public, private and municipal clients. Environmental monitoring services during and after construction for erosion and sedimentation controls and BMPs.

NO

13. PERSONAL HISTORY STATEMENT OF PRINCIPALS AND ASSOCIATES **RESPONSIBLE FOR AML PROJECT DESIGN** (Furnish complete data but keep to essentials)

NAME & TITLE (Last, First, Middle Int.)	YEARS OF EXPERIENCE		
	YEARS OF AML DESIGN EXPERIENCE:	YEARS OF AML RELATED DESIGN EXPERIENCE:	YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE:
Stuftt, Benjamin, PG Environmental Science Assistant Department Manager	6	15	0

Brief Explanation of Responsibilities

Manage the permitting and design of surface/underground mines (coal & non-coal), AML reclamation sites, bridge/culvert replacements, roadway improvements, oil and gas transmission lines, as well as the permitting and design for community and non-community water supply projects. Provide environmental services, including wetland delineation field investigations, report preparation, waterway permit applications, surface coal mine permit applications, and coal mining activity permit applications for the Pennsylvania Department of Environmental Protection (PA DEP) and U.S. Army Corps of Engineers (USACE). Preparation of National Environmental Policy Act (NEPA) documents, categorical exclusion evaluations (CEE), Section 4(f)/6(f) evaluations, and technical report writing.

EDUCATION (Degree, Year, Specialization)

B.S. Geology, Indiana University of Pennsylvania, 2009

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS

National Groundwater Association

REGISTRATION (Type, Year, State)

PG-005270, 2016, Pennsylvania

13. PERSONAL HISTORY STATEMENT OF PRINCIPALS AND ASSOCIATES **RESPONSIBLE FOR AML PROJECT DESIGN** (Furnish complete data but keep to essentials)

NAME & TITLE (Last, First, Middle Int.)	YEARS OF EXPERIENCE		
	YEARS OF AML DESIGN EXPERIENCE:	YEARS OF AML RELATED DESIGN EXPERIENCE:	YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE:
Reynolds, Madison Senior Environmental Scientist	0	3	0

Brief Explanation of Responsibilities

Responsible for conducting all manner of threatened and endangered species surveys, terrestrial and aquatic surveys, including freshwater mussel surveys, terrestrial habitat evaluations, stream surveys, macroinvertebrate sampling, and wetland delineation field investigations. Preparation of technical reports, National Environmental Policy Act (NEPA) documents, categorical exclusion evaluations (CEE), Pennsylvania Department of Environmental Protection (PA DEP) and U.S. Army Corps of Engineers (USACE) permit applications.

EDUCATION (Degree, Year, Specialization)

M.S. Wildlife Biology and Conservation, University of Alaska Fairbanks, 2019

B.S. Animal Science, Cornell University, 2011

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS

REGISTRATION (Type, Year, State)

13. PERSONAL HISTORY STATEMENT OF PRINCIPALS AND ASSOCIATES **RESPONSIBLE FOR AML PROJECT DESIGN** (Furnish complete data but keep to essentials)

NAME & TITLE (Last, First, Middle Int.) Geisel, Jacob Environmental Scientist	YEARS OF EXPERIENCE		
	YEARS OF AML DESIGN EXPERIENCE:	YEARS OF AML RELATED DESIGN EXPERIENCE:	YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE:
	0	3	0

Brief Explanation of Responsibilities

Responsible for conducting all manner of environmental services, including wetland delineation field investigations. terrestrial habitat surveys, threatened and endangered species surveys, habitat management design and implementation, and invasive species management. Preparation of National Environmental Policy Act (NEPA) documents, categorical exclusion evaluations (CEE), Pennsylvania Department of Environmental Protection (PA DEP) and U.S. Army Corps of Engineers (USACE) permit applications.

EDUCATION (Degree, Year, Specialization)

B.S. Biology, Indiana State University, 2016

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS

REGISTRATION (Type, Year, State)

13. PERSONAL HISTORY STATEMENT OF PRINCIPALS AND ASSOCIATES **RESPONSIBLE FOR AML PROJECT DESIGN** (Furnish complete data but keep to essentials)

NAME & TITLE (Last, First, Middle Int.) Pasko, Jaynie Environmental Scientist	YEARS OF EXPERIENCE		
	YEARS OF AML DESIGN EXPERIENCE:	YEARS OF AML RELATED DESIGN EXPERIENCE:	YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE:
	0	2	0

Brief Explanation of Responsibilities

Responsible for conducting all manner of environmental services, including wetland delineation field investigations. stream identification and classification surveys, terrestrial habitat surveys, and water sample collection. Preparation of National Environmental Policy Act (NEPA) documents, categorical exclusion evaluations (CEE), Pennsylvania Department of Environmental Protection (PA DEP) and U.S. Army Corps of Engineers (USACE) permit applications.

EDUCATION (Degree, Year, Specialization)

B.S. Biology, Ecology, Conservation & Environmental Biology, Indiana State University, 2023

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS

REGISTRATION (Type, Year, State)

14.	PROV	A	T OF	OFTWAR	AN	QU PM NT AVAI AB	N TH	PR MARY OFFICE WH CH WI	BE US	TO COMP	TE AM
	DESIGN	SERVICES									

Ecobot Cedar CT8X2 Tablet/Trimble DA2 GNSS Receiver, Trimble GeoXH 6000, AutoCAD, AMDTreat, HecRAS, HydroCAD, Solonist water level meter (300 ft), Horiba U-52 multi-meter, Hach DR900 multi parameter portable colorimeter, Hach FH950 portable velocity meter

15. CURRENT ACTIVITIES ON WHICH YOUR FIRM IS THE DESIGNATED ENGINEER OF RECORD

PROJECT NAME, TYPE AND LOCATION	NAME AND ADDRESS OF OWNER	NATURE OF YOUR FIRM'S RESPONSIBILITY	ESTIMATED CONSTRUCTION COST	PERCENT COMPLETE
WVDOH Davis Lick Culvert No. 1 (Culvert design / Randolph County, WV)	WV Division of Highways 1900 Kanawha Blvd, East Charleston WV 25305	Engineering design	Unknown	89% (Markosky tasks)
WVDOH Hazy Creek LWC (Culvert design / Raleigh County, WV)	WV Division of Highways 1900 Kanawha Blvd, East Charleston WV 25305	Engineering design	Unknown	22% (Markosky tasks)
WVDOH So Side CSX Ramp (Culvert design / Kanawha County, WV)	WV Division of Highways 1900 Kanawha Blvd, East Charleston WV 25305	Engineering design	Unknown	40% (Markosky tasks)
WVDOH US250 Interchange (Culvert design / Ohio County, WV)	WV Division of Highways 1900 Kanawha Blvd, East Charleston WV 25305	Engineering design	Unknown	8% (Markosky tasks)
TOTAL NUMBER OF PROJECTS:		TOTAL ESTIMATED CONSTRUCTION COSTS: \$		
48		greater than \$100M		

16. CURRENT ACTIVITIES ON WHICH YOUR FIRM IS SERVING AS A SUB-CONSULTANT TO OTHERS

PROJECT NAME, TYPE AND LOCATION	NATURE OF FIRMS RESPONSIBILITY	NAME AND ADDRESS OF OWNER	ESTIMATED COMPLETION DATE	ESTIMATED CONSTRUCTION COST	
				ENTIRE PROJECT	YOUR FIRMS RESPONSIBILITY
WVDEP 2023 AML Contract N3 Monongalia & Preston Counties, WV	Environmental resource studies, NEPA documentation, and permitting	West Virginia Department of Environmental Protection	December 2026	\$8.5M	\$926K
I-80 Sections A22 & A23 Mercer County, PA	Environmental resource studies, E&S design, H&H, and traffic counts	PennDOT District 1-0	October 2026	\$15M	\$449K
I-80 Strattanville Reconstruction Clarion County, PA	Environmental resource studies, E&S design, H&H, and traffic counts	PennDOT District 10-0	August 2027	\$15M	\$279K
PA 403 Hooversville AMD Somerset County, PA	Hydrogeologic evaluation and documentation	PennDOT District 9-0	December 2025	\$5M	\$21K
Mon-Fayette Expressway PA51 to I376 4-lane Expressway Allegheny County, PA	Environmental management and permitting	Pennsylvania Turnpike Commission	In progress	\$2B	\$5.2M

17. COMPLETED WORK WITHIN LAST 5 YEARS ON WHICH YOUR FIRM WAS THE DESIGNATED ENGINEER OF RECORD				
PROJECT NAME, TYPE AND LOCATION	NAME AND ADDRESS OF OWNER	ESTIMATED CONSTRUCTION COST	YEAR	CONSTRUCTED (YES OR NO)
D-2315 Wheeling Valley AML Reclamation Harrison County, OH	Ohio Department of Natural Resources 2207 Reiser Ave. S.E. New Philadelphia, OH 44663	\$10,000,000	2024	No
Coder Bridge Bridge Replacement Jefferson County, PA	PennDOT District 10-0 2550 Oakland Ave. Indiana, PA 15701	\$3,000,000	2023	Yes
Eastwood Lane Bridge Bridge Replacement Boone County, WV	West Virginia Department of Highways 1340 Smith Street Charleston, WV 25301	\$1,500,000	2022	Yes

18. COMPLETED WORK WITHIN LAST 5 YEARS ON WHICH YOUR FIRM HAS CONSTRUCTION OVERSIGHT ON PROJECTS				
PROJECT NAME, TYPE AND LOCATION	NAME AND ADDRESS OF OWNER	ESTIMATED CONSTRUCTION COST	YEAR	CONSTRUCTED (YES OR NO)
Laurel Valley Transportation Improvement Roadway and Bridge Westmoreland County, PA	PennDOT District 12-0 825 N. Gallatin Ave. Uniontown, PA 15401	\$7,000,000	2024	Y
US 6219 Improvement Improvement Roadway and Bridge Somerset County, PA	PennDOT District 9-0 1620 N. Juniata St. Hollidaysburg, PA 16648	\$19,000,000	2021	Y
Environmental Assistance Mainline West Roadway and Bridge Allegheny County, PA	Pennsylvania Turnpike Commission 2200 N. Center Ave. New Stanton, PA 15672	\$3,000,000	2022	Y
GRP 111-22-7135-1 (SR 19 A81) Pedestrian Walkway and Structure Allegheny County, PA	PennDOT District 11-0 45 Thomas Run Rd. Bridgeville, PA 15017	\$5,000,000	2023	Y
SR 837 A43 Roadway Allegheny County, PA	PennDOT District 11-0 45 Thomas Run Rd. Bridgeville, PA 15017	\$7,000,000	2025	Y

19. COMPLETED WORK WITHIN LAST 5 YEARS ON WHICH YOUR FIRM HAS BEEN A SUB-CONSULTANT TO OTHER FIRMS (INDICATE PHASE OF WORK FOR WHICH YOUR FIRM WAS RESPONSIBLE)					
PROJECT NAME, TYPE AND LOCATION	NAME AND ADDRESS OF OWNER	ESTIMATED CONSTRUCTION COST OF YOUR FIRM'S PORTION	YEAR	CONSTRUCTED (YES OR NO)	FIRM ASSOCIATED WITH
PA 36 Mill Run Bridge Bridge Replacement Blair County, PA	PennDOT District 9-0 1620 N. Juniata St. Hollidaysburg, PA 16648	\$146K (Markosky portion)	2024	Y	SAI Consulting Engineers
Margaret Road Intersection Intersection Improvement Armstrong County, PA	PennDOT District 10-0 2550 Oakland Ave. Indiana, PA 15701	\$368K (Markosky portion)	2024	Y	SAI Consulting Engineers
I-80 Mercer County Roadway Mercer County, PA	PennDOT District 1-0 255 Elm St. Oil City, PA 16301	\$250K (Markosky portion)	2022	N	Whitman, Requardt & Associates
I-80 North Fork Bridges Bridge Replacements Jefferson County, PA	PennDOT District 10-0 2550 Oakland Ave. Indiana, PA 15701	\$296K (Markosky portion)	2024	N	Michael Baker International

20. Use this space to provide any additional information or description of resources supporting your firm's qualifications to perform work for the West Virginia Abandoned Mine Lands Program.

21. The foregoing is a statement of facts.

Signature: <u>David A. Cutlip</u> Printed Name: <u>David A. Cutlip</u>	Title: <u>Vice President Environmental Services</u>	Date: <u>8/15/2025</u>
---	---	------------------------

AML and RELATED PROJECT EXPERIENCE MATRIX

PROJECT	Exp. Basis C=Corp. P=Personnel *	Additional Info Provided in Section (s) **	PROJECT EXPERIENCE REQUIREMENTS																	PRIMARY STAFF PARTICIPATION/CAPACITY *** M=Management P=Professional					
			Abandoned Surface Mine Reclamation	Abandoned Deep Mine Reclamation	Surface Closure	Hydrologic Hydraulic Design Evaluation	Remining Evaluation	Mine Refuse Filler Abatement	Subsidence Investigation Mitigation	Hazardous Disposal	Object Specific Requirements	Utility Evaluation Reclamation	Construction Inspection Management	Reclamation Implementation	Active Reclamation Systems	Equipment Removal	Stream Restoration	Geotechnical Stability	Benjamin Stuft, PG	Amanda Brown, PE	Madison Reynolds	Jacob Geisel	Jaynie Pasko		
D-2315 Wheeling Valley	C	Y	X								X							M		P	P				
Coffelt Reclamation	C	Y	X								X							M		P	P				
Jug Run Clogged Stream Lands	C	Y	X	X	X						X							M		P	P	P			
Motz Highwall Reclamation	C	Y	X								X							M		P	P	P			
SR 691 AMD Reclamation	C	Y	X	X	X						X							M		P	P	P			
WVDEP 2023 AML Contract N3	C	Y	X	X	X					X	X							M		P	P	P			
Mon-Fayette Expressway	C					X				X		X				X		P	P						
PA 403 AMD Slide Repair	C										X							P							

* List whether project experience is corporate or personnel based or both.

** Use this area to provide specific sections or pages if needed for reference.

*** List Primary Design personnel and their functional capacity for the projects listed.

Attachment "B"

Office of Surface Mining Reclamation and Enforcement

Instructions for Completing the AML Contractor Form OMB #1029-0119

Purpose: The Office of Surface Mining Reclamation and Enforcement Applicant/Violator System (AVS) office is required to conduct eligibility checks for businesses performing abandoned mine land (AML) reclamation work to ensure those businesses are not associated with any coal mining violations in accordance with the Surface Mining Control and Reclamation Act (SMCRA). This form is used to update the AVS database which maintains relationship information between individuals and their associated businesses. If you have any questions, please contact the AVS Office at 800-643-9748.

Part A: General Information: Part A should be completed by the AML Contractor. You can find an electronic fillable form on our website (<https://www.osmre.gov/programs/regulating-coal-mines/avs>).

Part B: Obtain an Organizational Family Tree (OFT): Part B should be completed by the AML Contractor. An Organizational Family Tree (OFT) indicates the relationships between individuals and their associated business.

You can obtain an OFT two ways:

1. Call the AVS Office at 800-643-9748 to request your company's OFT.
2. Go to the AVS website (<https://avss.osmre.gov>). Click "Access AVS", and then "Login as Guest". Place your cursor on the "Entity" Module and click. Type your business name (or entity number) in search box and press enter. Select your company and then click on the "Relationship" tab to display your Entity OFT information. Print the Entity OFT from AVS. Review the OFT, if you need to make updates complete Part D. Attach the OFT to your AML Contractor Form.

If you are a new company or this is your first AML bid: Your business is most likely **not** in the AVS. If your company does not appear in the AVS database, move on to Part C, check Box 3, and complete Part D of this form.

If your company has worked on previous AML projects or in the coal mining industry: Your business is most likely in the AVS, but may need to be updated. Obtain and review your OFT and then complete Part C.

Part C: Certifying and updating information in the Applicant/Violator System (AVS). Part C should be completed by the AML Contractor. Please check the box that best describes your situation, sign and date.

Note: Signature date must be recent (within 30 days) to be considered.

Part D: OFT Information. Part D should be completed by the AML Contractor **only** if you want to make updates to what information is in the AVS, or if your company **does not** have any information in the AVS. Include **all** fields, including the relevant begin and/or end dates for individuals, including middle name or initial for individuals if possible.

Answers to Part D FAQs:

Which employees should be included in Part D?

Any current or separated employee of significance should be listed. Refer to the list provided at the top of Part D. For those owning less than 10% reporting the ownership is optional. Include those employees who direct, manage, or control the project. If, for example, a Professional Engineer has the power to determine how the project is conducted you should include him/her on Part D.

What address and phone number should I use?

Use the address and phone number where the person receives business correspondence.

What are the begin and end dates for?

Begin dates indicate when a person started in that position in your company. If an individual still works at the company you can simply fill in the begin date and leave the end date blank or write "N/A". **End dates** are used for indicating that someone no longer works in that capacity or is no longer employed at the company. **If an employee has held more than one position** or title, note the begin dates/end dates for each position.

ABANDONED MINE LANDS (AML) CONTRACTOR INFORMATION FORM

You must complete this form for your AML contracting officer to request an eligibility evaluation from the Office of Surface Mining Reclamation and Enforcement (OSMRE) to determine if you are eligible to receive an AML contract. This requirement can be found under OSMRE's regulations at 30 CFR 874.16. **NOTE:** This form must be signed and **dated within 30 days** of submission to be considered for a current bid.

Part A: General Information

Business Name: CTL Engineering, Inc.
 Tax ID #: 55-0631834
 Address: 1091 Chaplin Road
 City, State, & Zip: Morgantown, WV 26501
 Phone Number: 304-483-4650
 Email Address: akeller@ctleng.com

Part B: Obtain an Organizational Family Tree (OFT) from the Applicant Violator System (AVS)

If you plan to certify the existing AVS information or submit updates under Part C, you must include an OFT. Instructions for downloading an OFT from the AVS can be found at: <https://www.osmre.gov/sites/default/files/2022-02/OMB%201029-0119%20instructions.pdf>. If you require assistance you may contact the AVS Office by phone at: 800-643-9748, or by email at: avshelp@osmre.gov.

Part C: Certifying and updating information in the AVS

Select one of the options, follow the instructions for the selected option, sign, and date below.

I, Alanna Keller, have express authority to certify that:
 (Print Name)

- ☒ 1. Our business is listed in the AVS. The information is accurate, complete, and up to date. (If you select this option, you must attach an Entity OFT from the AVS to this form). Do not complete Part D.
- ☐ 2. Our business is in the AVS. The information needs to be updated. (If you select this option, you must attach an Entity OFT from the AVS to this form). Complete Part D to provide the missing or corrected information.
- ☐ 3. Our business is not listed in the AVS. The information needs to be added. Complete Part D to provide the information.

8/19/2025

Date

Alanna Keller
 Signature

Principal

Title



AVS OFT Report - 8/13/2025 5:38:29 PM

All OFT's where the selected entity is listed as an entity or related entity

Entity Selected (250994) CTL Engineering of WV Inc

Parent Entity	Relationship	Description	Related Entity	% Ownership	Begin Date	End Date
(247114) CTL Engineering Inc ESOP	Owner		(250994) CTL Engineering of WV Inc	100%	1/15/1999	
(250994) CTL Engineering of WV Inc	Secretary		(268116) Jessica Donley		1/1/2024	
(250994) CTL Engineering of WV Inc	Treasurer		(250995) M Ali Jamshidimehr		1/15/1999	
(250994) CTL Engineering of WV Inc	Secretary		(138899) C K Satyapriya		1/15/1999	
(250994) CTL Engineering of WV Inc	President		(138899) C K Satyapriya		1/15/1999	
(250994) CTL Engineering of WV Inc	Shareholder		(138899) C K Satyapriya		1/15/1999	
(250994) CTL Engineering of WV Inc	President		(138900) Patrick E Gallagher		1/15/1999	12/31/2017

ABANDONED MINE LANDS (AML) CONTRACTOR INFORMATION FORM

You must complete this form for your AML contracting officer to request an eligibility evaluation from the Office of Surface Mining Reclamation and Enforcement (OSMRE) to determine if you are eligible to receive an AML contract. This requirement can be found under OSMRE's regulations at 30 CFR 874.16. **NOTE:** This form must be signed and **dated within 30 days** of submission to be considered for a current bid.

Part A: General Information

Business Name: Greenman-Pedersen, Inc.
 Tax ID #: 11-2537074
 Address: 58 Mission Way, Suite 201
 City, State, & Zip: Scott Depot, WV
 Phone Number: 304-507-8101
 Email Address: jsimpson@gpinet.com

Part B: Obtain an Organizational Family Tree (OFT) from the Applicant Violator System (AVS)

If you plan to certify the existing AVS information or submit updates under Part C, you must include an OFT. Instructions for downloading an OFT from the AVS can be found at: <https://www.osmre.gov/sites/default/files/2022-02/OMB%201029-0119%20instructions.pdf>. If you require assistance you may contact the AVS Office by phone at: 800-643-9748, or by email at: avshelp@osmre.gov.

Part C: Certifying and updating information in the AVS

Select one of the options, follow the instructions for the selected option, sign, and date below.

I, James D. Simpson, have express authority to certify that:
 (Print Name)

- ☒ 1. Our business is listed in the AVS. The information is accurate, complete, and up to date. (If you select this option, you must attach an Entity OFT from the AVS to this form). Do not complete Part D.
- ☐ 2. Our business is in the AVS. The information needs to be updated. (If you select this option, you must attach an Entity OFT from the AVS to this form). Complete Part D to provide the missing or corrected information.
- ☐ 3. Our business is not listed in the AVS. The information needs to be added. Complete Part D to provide the information.

8/15/2025

Date


 Signature

Executive Vice President

Title

Part D: OFT Information

Contractor's Business Name: _____

If the current Entity OFT information for your business is incomplete in the AVS, or if there is no information in the AVS for your business, you must provide all of the following information as it applies to your business. Please include additional copies of this page if the space below is not sufficient to capture all information.

- Every officer (President, Vice President, Secretary, Treasurer, etc.);
- All Directors, Partners, and Members;
- All persons performing a function similar to a Director;
- Every person or business that owns 10% or more of the voting stock in your business;
- Any other person(s) who has the ability to determine the manner in which the AML reclamation project is being conducted.
- **Please list an end date for any person who is no longer with your business.**

Name: _____
 Address: _____
 City, State, Zip: _____
 Begin Date: _____
 End Date: _____
 % Ownership: _____
 Position/Title: _____
 Phone Number: _____

Name: _____
 Address: _____
 City, State, Zip: _____
 Begin Date: _____
 End Date: _____
 % Ownership: _____
 Position/Title: _____
 Phone Number: _____

Name: _____
 Address: _____
 City, State, Zip: _____
 Begin Date: _____
 End Date: _____
 % Ownership: _____
 Position/Title: _____
 Phone Number: _____

Name: _____
 Address: _____
 City, State, Zip: _____
 Begin Date: _____
 End Date: _____
 % Ownership: _____
 Position/Title: _____
 Phone Number: _____

PAPERWORK REDUCTION STATEMENT

The Paperwork Reduction Act of 1995 (44 U.S.C 3501) requires us to inform you that: Federal Agencies may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a current valid OMB control number. This information is necessary for all successful bidders prior to the distribution of AML funds, and is required to obtain a benefit.

Public reporting burden for this form is estimated to range from 15 minutes to one hour, with an average of 30 minutes per response, including time for reviewing instructions, gather and maintaining data, and completing and reviewing the form. You may direct comments regarding the burden estimate or any other aspect of this form to the Information Collection Clearance Officer, Office of Surface Mining Reclamation and Enforcement, 1849 C Street, NW, Room 4559, Washington, DC 20240.



AVS OFT Report - 8/15/2025 7:33:54 PM

All OFT's where the selected entity is listed as an entity or related entity

Entity Selected (268145) Greenman-Pedersen, Inc

Parent Entity	Relationship	Description	Related Entity	% Ownership	Begin Date	End Date
(268145) Greenman-Pedersen, Inc	Vice President	Assistant	(268152) Saad Ahmad		1/31/2000	
(268145) Greenman-Pedersen, Inc	Corporate Officer	Corporate Sr. System Administrator	(268152) Saad Ahmad		1/31/2000	
(268145) Greenman-Pedersen, Inc	Vice President	Assistant	(268153) Gerald Arters Jr		5/20/1991	
(268145) Greenman-Pedersen, Inc	Corporate Officer	Project Manager	(268153) Gerald Arters Jr		5/20/1991	
(268145) Greenman-Pedersen, Inc	Vice President	Assistant	(268154) Jon Barger		2/16/2004	
(268145) Greenman-Pedersen, Inc	Corporate Officer	Resident Engineer	(268154) Jon Barger		2/16/2004	
(268145) Greenman-Pedersen, Inc	Director	Director of Highways	(268147) Deidra Begley		11/4/2024	
(268145) Greenman-Pedersen, Inc	Vice President		(268155) Curtis Benedetto Jr		9/1/2015	
(268145) Greenman-Pedersen, Inc	Corporate Officer	Director of MEP/FP Engineering	(268155) Curtis Benedetto Jr		9/1/2015	
(268145) Greenman-Pedersen, Inc	Vice President		(268156) Ryan Birkenstock		6/2/2008	
(268145) Greenman-Pedersen, Inc	Corporate Officer	Project Engineer	(268156) Ryan Birkenstock		6/2/2008	
(268145) Greenman-Pedersen, Inc	Senior Vice President		(268157) Bernard Boerchers		1/28/1998	
(268145) Greenman-Pedersen, Inc	Director	Director of Traffic Engineering	(268157) Bernard Boerchers		1/28/1998	
(268145) Greenman-Pedersen, Inc	Vice President	Assistant	(268158) Robert Bollinger		9/30/2021	
(268145) Greenman-Pedersen, Inc	Corporate Officer	Traffic Engineering Department Head	(268158) Robert Bollinger		9/30/2021	
(268145) Greenman-Pedersen, Inc	Senior Vice President		(268159) Matthew Bowers		3/1/2025	
(268145) Greenman-Pedersen, Inc	Corporate Officer	Team Leader	(268159) Matthew Bowers		3/1/2025	
(268145) Greenman-Pedersen, Inc	Executive Vice President		(268160) George Brode		11/11/2002	
(268145) Greenman-Pedersen, Inc	Corporate Officer	Branch Manager	(268160) George Brode		11/11/2002	
(268145) Greenman-Pedersen, Inc	Vice President	Assistant	(268161) Donald Buwalda		12/23/2013	
(268145) Greenman-Pedersen, Inc	Corporate Officer	Project Administrator	(268161) Donald Buwalda		12/23/2013	
(268145) Greenman-Pedersen, Inc	Vice President		(268162) Andrew Cangiano		6/23/1997	
(268145) Greenman-Pedersen, Inc	Director	Director of Engineering - Morris Plains Office	(268162) Andrew Cangiano		6/23/1997	
(268145) Greenman-Pedersen, Inc	Vice President		(268163) Matthew Chorba		7/31/2006	



AVS OFT Report - 8/15/2025 7:33:54 PM

All OFT's where the selected entity is listed as an entity or related entity

Entity Selected (268145) Greenman-Pedersen, Inc

Parent Entity	Relationship	Description	Related Entity	% Ownership	Begin Date	End Date
(268145) Greenman-Pedersen, Inc	Director	Director of Civil Engineering	(268163) Matthew Chorba		7/31/2006	
(268145) Greenman-Pedersen, Inc	Vice President		(268164) Marta V Cifuentes		7/24/2000	
(268145) Greenman-Pedersen, Inc	Director	Corporate Director of Human Resources	(268164) Marta V Cifuentes		7/24/2000	
(268145) Greenman-Pedersen, Inc	Vice President		(268165) Kerry Corley		10/21/2009	
(268145) Greenman-Pedersen, Inc	Director	Director of Construction Services NC & SC	(268165) Kerry Corley		10/21/2009	
(268145) Greenman-Pedersen, Inc	Vice President		(268166) Timothy Coyle		9/30/2019	
(268145) Greenman-Pedersen, Inc	Corporate Officer	Chief Engineer	(268166) Timothy Coyle		9/30/2019	
(268145) Greenman-Pedersen, Inc	Executive Vice President		(268167) Stephen Daiute		4/7/2003	
(268145) Greenman-Pedersen, Inc	Corporate Officer	Branch Manager	(268167) Stephen Daiute		4/7/2003	
(268145) Greenman-Pedersen, Inc	Senior Vice President		(268168) Mark Debowski		7/8/2019	
(268145) Greenman-Pedersen, Inc	Director	Senior Director of Transportation	(268168) Mark Debowski		7/8/2019	
(268145) Greenman-Pedersen, Inc	Vice President		(268169) Michelle Demeo		9/19/2005	
(268145) Greenman-Pedersen, Inc	Director	Director of Administration	(268169) Michelle Demeo		9/19/2005	
(268145) Greenman-Pedersen, Inc	Vice President		(268170) William Doughty		7/18/2012	
(268145) Greenman-Pedersen, Inc	Director	Director of Bridge Condition Inspection	(268170) William Doughty		7/18/2012	
(268145) Greenman-Pedersen, Inc	Vice President		(268171) Dustin Evans		4/18/2016	
(268145) Greenman-Pedersen, Inc	Corporate Officer	N Florida Transportation Manager	(268171) Dustin Evans		4/18/2016	
(268145) Greenman-Pedersen, Inc	Vice President	Assistant	(268172) William Ferdinandsen Jr		9/23/1996	
(268145) Greenman-Pedersen, Inc	Corporate Officer	Program Manager	(268172) William Ferdinandsen Jr		9/23/1996	
(268145) Greenman-Pedersen, Inc	Vice President	Assistant	(268173) Edward Formichella		9/28/1981	
(268145) Greenman-Pedersen, Inc	Corporate Officer	Senior Survey Party Chief	(268173) Edward Formichella		9/28/1981	
(268145) Greenman-Pedersen, Inc	Vice President		(268175) John Gallagher		10/13/2015	
(268145) Greenman-Pedersen, Inc	Director	Director of Construction Services	(268175) John Gallagher		10/13/2015	
(268145) Greenman-Pedersen, Inc	Vice President	Assistant	(268176) Gregory Grosskopf		4/22/2019	



AVS OFT Report - 8/15/2025 7:33:54 PM

All OFT's where the selected entity is listed as an entity or related entity

Entity Selected (268145) Greenman-Pedersen, Inc

Parent Entity	Relationship	Description	Related Entity	% Ownership	Begin Date	End Date
(268145) Greenman-Pedersen, Inc	Corporate Officer	Senior Project Manager	(268176) Gregory Grosskopf		4/22/2019	
(268145) Greenman-Pedersen, Inc	Director	Director of Structural Engineering	(268148) Jason Hastings		3/10/2025	
(268145) Greenman-Pedersen, Inc	Vice President		(268178) John Havenstrite		1/5/2004	
(268145) Greenman-Pedersen, Inc	Director	Director of Building Engineering	(268178) John Havenstrite		1/5/2004	
(268145) Greenman-Pedersen, Inc	Vice President	Assistant	(268179) Ronald Headrick		1/25/2016	
(268145) Greenman-Pedersen, Inc	Director	Director of Planning & Design	(268179) Ronald Headrick		1/25/2016	
(268145) Greenman-Pedersen, Inc	Vice President	Assistant	(268180) Caitlyn Hemmes		2/26/2018	
(268145) Greenman-Pedersen, Inc	Corporate Officer	Chief Engineer	(268180) Caitlyn Hemmes		2/26/2018	
(268145) Greenman-Pedersen, Inc	Executive Vice President		(268182) Robert Hough		5/20/1996	
(268145) Greenman-Pedersen, Inc	Chief Financial Officer		(268182) Robert Hough		5/20/1996	
(268145) Greenman-Pedersen, Inc	Vice President		(268183) David Hoyne		9/11/2017	
(268145) Greenman-Pedersen, Inc	Director	Director of Construction Services	(268183) David Hoyne		9/11/2017	
(268145) Greenman-Pedersen, Inc	Vice President	Assistant	(268185) Thomas Hyland		1/31/2017	
(268145) Greenman-Pedersen, Inc	Director	Director of Construction Services	(268185) Thomas Hyland		1/31/2017	
(268145) Greenman-Pedersen, Inc	Senior Vice President		(268186) Thomas Igo		3/1/2025	
(268145) Greenman-Pedersen, Inc	Corporate Officer	Team Leader	(268186) Thomas Igo		3/1/2025	
(268145) Greenman-Pedersen, Inc	Executive Vice President		(268209) Gregory Johnson		2/10/1997	
(268145) Greenman-Pedersen, Inc	Corporate Officer	Regional Officer	(268209) Gregory Johnson		2/10/1997	
(268145) Greenman-Pedersen, Inc	Vice President		(268211) Robert Kaplan		9/2/2014	
(268145) Greenman-Pedersen, Inc	Director	Director of Business Development	(268211) Robert Kaplan		9/2/2014	
(268145) Greenman-Pedersen, Inc	Vice President		(268190) Michael Kline		11/19/2018	
(268145) Greenman-Pedersen, Inc	Director	Director of Ohio Operations	(268190) Michael Kline		11/19/2018	
(268145) Greenman-Pedersen, Inc	Vice President		(268191) Winona Leaman		2/18/2003	
(268145) Greenman-Pedersen, Inc	Director	Director of Business Development	(268191) Winona Leaman		2/18/2003	



AVS OFT Report - 8/15/2025 7:33:54 PM

All OFT's where the selected entity is listed as an entity or related entity

Entity Selected (268145) Greenman-Pedersen, Inc

Parent Entity	Relationship	Description	Related Entity	% Ownership	Begin Date	End Date
(268145) Greenman-Pedersen, Inc	Vice President		(268194) Timothy Lemire		5/4/2009	
(268145) Greenman-Pedersen, Inc	Director	Director of Construction Engineering	(268194) Timothy Lemire		5/4/2009	
(268145) Greenman-Pedersen, Inc	Vice President	Assistant	(268197) Herbert Litts III		1/6/2014	
(268145) Greenman-Pedersen, Inc	Corporate Officer	Project Manager	(268197) Herbert Litts III		1/6/2014	
(268145) Greenman-Pedersen, Inc	Director	Director of WV Operations	(268146) Travis Long		1/27/2025	
(268145) Greenman-Pedersen, Inc	Vice President	Assistant	(268198) Michael Loveland			
(268145) Greenman-Pedersen, Inc	Director	Director of Survey & Mapping	(268198) Michael Loveland		12/11/2014	
(268145) Greenman-Pedersen, Inc	Vice President	Assistant	(268201) Marc Matalon		8/25/1987	
(268145) Greenman-Pedersen, Inc	Corporate Officer	Project Manager	(268201) Marc Matalon		8/25/1987	
(268145) Greenman-Pedersen, Inc	Senior Vice President		(268203) Robert McCleary		9/3/2019	
(268145) Greenman-Pedersen, Inc	Director	Director of Engineering Support	(268203) Robert McCleary		9/3/2019	
(268145) Greenman-Pedersen, Inc	Vice President		(268204) William McMenamin		5/19/1999	
(268145) Greenman-Pedersen, Inc	Director	Director of Transportation Services	(268204) William McMenamin		5/19/1999	
(268145) Greenman-Pedersen, Inc	Vice President	Assistant	(268205) Christopher Messner		3/9/2015	
(268145) Greenman-Pedersen, Inc	Corporate Officer	Regional Manager	(268205) Christopher Messner		3/9/2015	
(268145) Greenman-Pedersen, Inc	Vice President		(268207) Shannon Mobley		4/9/2012	
(268145) Greenman-Pedersen, Inc	Corporate Officer	NEFL CEI Manager	(268207) Shannon Mobley		4/9/2012	
(268145) Greenman-Pedersen, Inc	Senior Vice President		(268208) Frank Monteiro		7/1/2019	
(268145) Greenman-Pedersen, Inc	Director	Senior Director of Land Development	(268208) Frank Monteiro		7/1/2019	
(268145) Greenman-Pedersen, Inc	Vice President		(268212) James Moore		3/1/2017	
(268145) Greenman-Pedersen, Inc	Corporate Officer	Federal Pursuits Leader	(268212) James Moore		3/1/2017	
(268145) Greenman-Pedersen, Inc	Senior Vice President		(268214) Thomas Napolitano		2/11/1992	
(268145) Greenman-Pedersen, Inc	Director	Director of Construction Services	(268214) Thomas Napolitano		2/11/1992	
(268145) Greenman-Pedersen, Inc	Vice President		(268215) James Noyes		10/19/1992	



AVS OFT Report - 8/15/2025 7:33:54 PM

All OFT's where the selected entity is listed as an entity or related entity

Entity Selected (268145) Greenman-Pedersen, Inc

Parent Entity	Relationship	Description	Related Entity	% Ownership	Begin Date	End Date
(268145) Greenman-Pedersen, Inc	Corporate Officer	Senior Project Manager	(268215) James Noyes		10/19/1992	
(268145) Greenman-Pedersen, Inc	Vice President		(268217) Emily Otte		5/1/2013	
(268145) Greenman-Pedersen, Inc	Director	Regional Director of Administration	(268217) Emily Otte		5/1/2013	
(268145) Greenman-Pedersen, Inc	Vice President		(268219) William Park Jr		8/12/1996	
(268145) Greenman-Pedersen, Inc	Director	Director of Environmental Sciences	(268219) William Park Jr		8/12/1996	
(268145) Greenman-Pedersen, Inc	Senior Vice President		(268221) David Peake		5/2/2016	
(268145) Greenman-Pedersen, Inc	Director	Regional Director of Construction Services	(268221) David Peake		5/2/2016	
(268145) Greenman-Pedersen, Inc	Vice President	Assistant	(268224) Douglas Reese		6/11/1984	
(268145) Greenman-Pedersen, Inc	Corporate Officer	Resident Engineer	(268224) Douglas Reese		6/11/1984	
(268145) Greenman-Pedersen, Inc	Vice President	Assistant	(268225) Michele Rizzuto		5/7/2018	
(268145) Greenman-Pedersen, Inc	Corporate Officer	Accounting Administrator/HR Coordinator	(268225) Michele Rizzuto		5/7/2018	
(268145) Greenman-Pedersen, Inc	Vice President		(268226) Thomas Rowader		3/4/2019	
(268145) Greenman-Pedersen, Inc	Director	Director of Transportation Services	(268226) Thomas Rowader		3/4/2019	
(268145) Greenman-Pedersen, Inc	Senior Vice President		(268227) Michael Salatti		6/7/1977	
(268145) Greenman-Pedersen, Inc	Corporate Officer	Deputy Branch Manager	(268227) Michael Salatti		6/7/1977	
(268145) Greenman-Pedersen, Inc	Vice President	Assistant	(268222) Brendan Scahill		10/8/1994	
(268145) Greenman-Pedersen, Inc	Corporate Officer	Resident Engineer	(268222) Brendan Scahill		10/8/1994	
(268145) Greenman-Pedersen, Inc	Vice President		(268220) Dan Schmutz		10/28/2006	
(268145) Greenman-Pedersen, Inc	Corporate Officer	Chief Environmental Scientist	(268220) Dan Schmutz		10/28/2006	
(268145) Greenman-Pedersen, Inc	Corporate Officer	Project Manager	(268218) Richard Seamon		2/3/2009	
(268145) Greenman-Pedersen, Inc	Vice President	Assistant	(268218) Richard Seamon		2/3/2009	
(268145) Greenman-Pedersen, Inc	Vice President	Assistant	(268216) Jayendra Shah		1/29/2001	
(268145) Greenman-Pedersen, Inc	Corporate Officer	Resident Engineer	(268216) Jayendra Shah		1/29/2001	



AVS OFT Report - 8/15/2025 7:33:54 PM

All OFT's where the selected entity is listed as an entity or related entity

Entity Selected (268145) Greenman-Pedersen, Inc

Parent Entity	Relationship	Description	Related Entity	% Ownership	Begin Date	End Date
(268145) Greenman-Pedersen, Inc	Executive Vice President		(268188) James D Simpson		7/16/2018	
(268145) Greenman-Pedersen, Inc	Corporate Officer	Branch Manager	(268188) James D Simpson		7/16/2018	
(268145) Greenman-Pedersen, Inc	Vice President	Assistant	(268223) Bryan Smith		1/26/2009	
(268145) Greenman-Pedersen, Inc	Corporate Officer	Project Manager	(268223) Bryan Smith		1/26/2009	
(268145) Greenman-Pedersen, Inc	Vice President		(268202) Edmund Snyder III		11/11/2013	
(268145) Greenman-Pedersen, Inc	Director	Director of Business Development	(268202) Edmund Snyder III		11/11/2013	
(268145) Greenman-Pedersen, Inc	Vice President	Assistant	(268206) Christopher Stairs		4/23/2012	
(268145) Greenman-Pedersen, Inc	Director	Director of Transportation Engineering	(268206) Christopher Stairs		4/23/2012	
(268145) Greenman-Pedersen, Inc	Vice President	Assistant	(268210) Angela Strevig		12/10/2018	
(268145) Greenman-Pedersen, Inc	Director	Director of Highways	(268210) Angela Strevig		12/10/2018	
(268145) Greenman-Pedersen, Inc	Vice President	Assistant	(268213) Frank Summa		5/29/2007	
(268145) Greenman-Pedersen, Inc	Corporate Officer	Senior Engineer	(268213) Frank Summa		5/29/2007	
(268145) Greenman-Pedersen, Inc	Vice President	Assistant	(268174) Dominic Tate		5/9/2007	
(268145) Greenman-Pedersen, Inc	Corporate Officer	Resident Engineer	(268174) Dominic Tate		5/9/2007	
(268145) Greenman-Pedersen, Inc	Corporate Officer	LA CEI Manager	(268177) Timothy Thomas		3/28/2016	
(268145) Greenman-Pedersen, Inc	Vice President		(268177) Timothy Thomas		3/28/2016	
(268145) Greenman-Pedersen, Inc	Vice President	Assistant	(268181) Philip Trapani		10/12/1987	
(268145) Greenman-Pedersen, Inc	Corporate Officer	Resident Engineer	(268181) Philip Trapani		10/12/1987	
(268145) Greenman-Pedersen, Inc	Vice President	Assistant	(268184) Christopher Tymula		7/1/2019	
(268145) Greenman-Pedersen, Inc	Corporate Officer	Site Engineering Department Head	(268184) Christopher Tymula		7/1/2019	
(268145) Greenman-Pedersen, Inc	Vice President	Assistant	(268187) Kathy Van Meter		7/16/2018	
(268145) Greenman-Pedersen, Inc	Corporate Officer	CADD Manager	(268187) Kathy Van Meter		7/16/2018	
(268145) Greenman-Pedersen, Inc	Vice President		(268189) Pavel Voytko		2/26/2007	
(268145) Greenman-Pedersen, Inc	Director	Project Director	(268189) Pavel Voytko		2/26/2007	



AVS OFT Report - 8/15/2025 7:33:54 PM

All OFT's where the selected entity is listed as an entity or related entity

Entity Selected (268145) Greenman-Pedersen, Inc

Parent Entity	Relationship	Description	Related Entity	% Ownership	Begin Date	End Date
(268145) Greenman-Pedersen, Inc	Vice President	Assitant	(268192) Zachary Wassmouth		1/3/2022	
(268145) Greenman-Pedersen, Inc	Director	Director of Urban Transportation Engineering	(268192) Zachary Wassmouth		1/3/2022	
(268145) Greenman-Pedersen, Inc	Vice President	Assistant	(268193) James Weber		5/28/1985	
(268145) Greenman-Pedersen, Inc	Corporate Officer	Chief Office Engineer	(268193) James Weber		5/28/1985	
(268145) Greenman-Pedersen, Inc	Vice President	Assistant	(268195) Robert White		4/18/2015	
(268145) Greenman-Pedersen, Inc	Corporate Officer	Senior Landscape Architect	(268195) Robert White		4/18/2015	
(268145) Greenman-Pedersen, Inc	Vice President		(268196) Wendelyn Wolcott		7/11/2022	
(268145) Greenman-Pedersen, Inc	Director	Director of Maryland Operations	(268196) Wendelyn Wolcott		7/11/2022	
(268145) Greenman-Pedersen, Inc	Vice President	Assistant	(268199) Louis Zanetakos		4/24/1995	
(268145) Greenman-Pedersen, Inc	Corporate Officer	Resident Engineer	(268199) Louis Zanetakos		4/24/1995	
(268145) Greenman-Pedersen, Inc	Vice President		(268200) Kenneth Zollitsch		6/27/2005	
(268145) Greenman-Pedersen, Inc	Director	Director of Land Planning	(268200) Kenneth Zollitsch		6/27/2005	

Office of Surface Mining Reclamation and Enforcement

Instructions for Completing the AML Contractor Form OMB #1029-0119

Purpose: The Office of Surface Mining Reclamation and Enforcement Applicant/Violator System (AVS) office is required to conduct eligibility checks for businesses performing abandoned mine land (AML) reclamation work to ensure those businesses are not associated with any coal mining violations in accordance with the Surface Mining Control and Reclamation Act (SMCRA). This form is used to update the AVS database which maintains relationship information between individuals and their associated businesses. If you have any questions, please contact the AVS Office at 800-643-9748.

Part A: General Information: Part A should be completed by the AML Contractor. You can find an electronic fillable form on our website (<https://www.osmre.gov/programs/regulating-coal-mines/avs>).

Part B: Obtain an Organizational Family Tree (OFT): Part B should be completed by the AML Contractor. An Organizational Family Tree (OFT) indicates the relationships between individuals and their associated business.

You can obtain an OFT two ways:

1. Call the AVS Office at 800-643-9748 to request your company's OFT.
2. Go to the AVS website (<https://avss.osmre.gov>). Click "Access AVS", and then "Login as Guest". Place your cursor on the "Entity" Module and click. Type your business name (or entity number) in search box and press enter. Select your company and then click on the "Relationship" tab to display your Entity OFT information. Print the Entity OFT from AVS. Review the OFT, if you need to make updates complete Part D. Attach the OFT to your AML Contractor Form.

If you are a new company or this is your first AML bid: Your business is most likely **not** in the AVS. If your company does not appear in the AVS database, move on to Part C, check Box 3, and complete Part D of this form.

If your company has worked on previous AML projects or in the coal mining industry: Your business is most likely in the AVS, but may need to be updated. Obtain and review your OFT and then complete Part C.

Part C: Certifying and updating information in the Applicant/Violator System (AVS). Part C should be completed by the AML Contractor. Please check the box that best describes your situation, sign and date.

Note: Signature date must be recent (within 30 days) to be considered.

Part D: OFT Information. Part D should be completed by the AML Contractor **only** if you want to make updates to what information is in the AVS, or if your company **does not** have any information in the AVS. Include **all** fields, including the relevant begin and/or end dates for individuals, including middle name or initial for individuals if possible.

Answers to Part D FAQs:

Which employees should be included in Part D?

Any current or separated employee of significance should be listed. Refer to the list provided at the top of Part D. For those owning less than 10% reporting the ownership is optional. Include those employees who direct, manage, or control the project. If, for example, a Professional Engineer has the power to determine how the project is conducted you should include him/her on Part D.

What address and phone number should I use?

Use the address and phone number where the person receives business correspondence.

What are the begin and end dates for?

Begin dates indicate when a person started in that position in your company. If an individual still works at the company you can simply fill in the begin date and leave the end date blank or write "N/A". **End dates** are used for indicating that someone no longer works in that capacity or is no longer employed at the company. **If an employee has held more than one position** or title, note the begin dates/end dates for each position.

ABANDONED MINE LANDS (AML) CONTRACTOR INFORMATION FORM

You must complete this form for your AML contracting officer to request an eligibility evaluation from the Office of Surface Mining Reclamation and Enforcement (OSMRE) to determine if you are eligible to receive an AML contract. This requirement can be found under OSMRE's regulations at 30 CFR 874.16. **NOTE:** This form must be signed and **dated within 30 days** of submission to be considered for a current bid.

Part A: General Information

Business Name: The Markosky Engineering Group, Inc.
 Tax ID #: 25-1844227
 Address: 3689 Route 711
 City, State, & Zip: Ligonier, PA 15658
 Phone Number: 724-238-4138
 Email Address: mwalerysiak@markosky.com

Part B: Obtain an Organizational Family Tree (OFT) from the Applicant Violator System (AVS)

If you plan to certify the existing AVS information or submit updates under Part C, you must include an OFT. Instructions for downloading an OFT from the AVS can be found at: <https://www.osmre.gov/sites/default/files/2022-02/OMB%201029-0119%20instructions.pdf>. If you require assistance you may contact the AVS Office by phone at: 800-643-9748, or by email at: avshelp@osmre.gov.

Part C: Certifying and updating information in the AVS

Select one of the options, follow the instructions for the selected option, sign, and date below.

I, Matthew Walerysiak, have express authority to certify that:
 (Print Name)

- ☐ 1. Our business is listed in the AVS. The information is accurate, complete, and up to date. (If you select this option, you must attach an Entity OFT from the AVS to this form). Do not complete Part D.
- ☒ 2. Our business is in the AVS. The information needs to be updated. (If you select this option, you must attach an Entity OFT from the AVS to this form). Complete Part D to provide the missing or corrected information.
- ☐ 3. Our business is not listed in the AVS. The information needs to be added. Complete Part D to provide the information.

8/15/25

Date

SignatureChief Operating Officer

Title

Part D: OFT InformationContractor's Business Name: The Markosky Engineering Group, Inc.

If the current Entity OFT information for your business is incomplete in the AVS, or if there is no information in the AVS for your business, you must provide all of the following information as it applies to your business. Please include additional copies of this page if the space below is not sufficient to capture all information.

- Every officer (President, Vice President, Secretary, Treasurer, etc.);
- All Directors, Partners, and Members;
- All persons performing a function similar to a Director;
- Every person or business that owns 10% or more of the voting stock in your business;
- Any other person(s) who has the ability to determine the manner in which the AML reclamation project is being conducted.
- **Please list an end date for any person who is no longer with your business.**

Name: Joyce V. Markosky
 Address: 3689 Route 711
 City, State, Zip: Ligonier, PA 15658
 Begin Date: 09/01/1999
 End Date: 06/30/2025
 % Ownership: 41.60%
 Position/Title: Owner / Secretary
 Phone Number: 724.238.4138

Name: Mark A. Markosky
 Address: 3689 Route 711
 City, State, Zip: Ligonier, PA 15658
 Begin Date: 09/01/1999
 End Date: N/A
 % Ownership: 10.40%
 Position/Title: Owner / President
 Phone Number: 724.238.4138

Name: Jeremiah Fritz
 Address: 3689 Route 711
 City, State, Zip: Ligonier, PA 15658
 Begin Date: 06/23/2014
 End Date: N/A
 % Ownership: 5.20%
 Position/Title: Owner / Treasurer
 Phone Number: 724.238.4138

Name: Matthew Walerysiak
 Address: 3689 Route 711
 City, State, Zip: Ligonier, PA 15658
 Begin Date: 10/10/2000
 End Date: N/A
 % Ownership: 4.20%
 Position/Title: Owner / Chief Operating Officer
 Phone Number: 724.238.4138

PAPERWORK REDUCTION STATEMENT

The Paperwork Reduction Act of 1995 (44 U.S.C 3501) requires us to inform you that: Federal Agencies may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a current valid OMB control number. This information is necessary for all successful bidders prior to the distribution of AML funds, and is required to obtain a benefit.

Public reporting burden for this form is estimated to range from 15 minutes to one hour, with an average of 30 minutes per response, including time for reviewing instructions, gather and maintaining data, and completing and reviewing the form. You may direct comments regarding the burden estimate or any other aspect of this form to the Information Collection Clearance Officer, Office of Surface Mining Reclamation and Enforcement, 1849 C Street, NW, Room 4559, Washington, DC 20240.

Part D: OFT InformationContractor's Business Name: The Markosky Engineering Group, Inc.

If the current Entity OFT information for your business is incomplete in the AVS, or if there is no information in the AVS for your business, you must provide all of the following information as it applies to your business. Please include additional copies of this page if the space below is not sufficient to capture all information.

- Every officer (President, Vice President, Secretary, Treasurer, etc.);
- All Directors, Partners, and Members;
- All persons performing a function similar to a Director;
- Every person or business that owns 10% or more of the voting stock in your business;
- Any other person(s) who has the ability to determine the manner in which the AML reclamation project is being conducted.
- **Please list an end date for any person who is no longer with your business.**

Name: Michael Houser
 Address: 3689 Route 711
 City, State, Zip: Ligonier, PA 15658
 Begin Date: 07/11/2017
 End Date: N/A
 % Ownership: _____
 Position/Title: Vice President
 Phone Number: 724.238.4138

Name: David A. Cutlip
 Address: 3689 Route 711
 City, State, Zip: Ligonier, PA 15658
 Begin Date: 07/09/2012
 End Date: N/A
 % Ownership: _____
 Position/Title: Vice President
 Phone Number: 724.238.4138

Name: Ryan A. Rowles
 Address: 3689 Route 711
 City, State, Zip: Ligonier, PA 15658
 Begin Date: 09/22/2015
 End Date: N/A
 % Ownership: 7.82%
 Position/Title: Owner / Cultural Resources
 Phone Number: Department Manager 724.238.4138

Name: Ashley S. Brehm
 Address: 3689 Route 711
 City, State, Zip: Ligonier, PA 15658
 Begin Date: 05/30/2019
 End Date: N/A
 % Ownership: 9.90%
 Position/Title: Owner / Environmental Sciences
 Phone Number: Department Manager 724.238.4138

PAPERWORK REDUCTION STATEMENT

The Paperwork Reduction Act of 1995 (44 U.S.C 3501) requires us to inform you that: Federal Agencies may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a current valid OMB control number. This information is necessary for all successful bidders prior to the distribution of AML funds, and is required to obtain a benefit.

Public reporting burden for this form is estimated to range from 15 minutes to one hour, with an average of 30 minutes per response, including time for reviewing instructions, gather and maintaining data, and completing and reviewing the form. You may direct comments regarding the burden estimate or any other aspect of this form to the Information Collection Clearance Officer, Office of Surface Mining Reclamation and Enforcement, 1849 C Street, NW, Room 4559, Washington, DC 20240.

Part D: OFT InformationContractor's Business Name: The Markosky Engineering Group, Inc.

If the current Entity OFT information for your business is incomplete in the AVS, or if there is no information in the AVS for your business, you must provide all of the following information as it applies to your business. Please include additional copies of this page if the space below is not sufficient to capture all information.

- Every officer (President, Vice President, Secretary, Treasurer, etc.);
- All Directors, Partners, and Members;
- All persons performing a function similar to a Director;
- Every person or business that owns 10% or more of the voting stock in your business;
- Any other person(s) who has the ability to determine the manner in which the AML reclamation project is being conducted.
- **Please list an end date for any person who is no longer with your business.**

Name: Jason D. Harkcom
 Address: 3689 Route 711
 City, State, Zip: Ligonier, PA 15658
 Begin Date: 06/16/2014
 End Date: N/A
 % Ownership: 8.36%
 Position/Title: Owner / Environmental Division
 Phone Number: Manager 724.238.4138

Name: Brian L. Watkins
 Address: 3689 Route 711
 City, State, Zip: Ligonier, PA 15658
 Begin Date: 03/31/2014
 End Date: N/A
 % Ownership: 7.32%
 Position/Title: Owner / Civil Engineering Division
 Phone Number: Manager 724.238.4138

Name: Curtis M. Markosky
 Address: 3689 Route 711
 City, State, Zip: Ligonier, PA 15658
 Begin Date: 05/14/2013
 End Date: N/A
 % Ownership: 5.20%
 Position/Title: Owner / Construction Inspection
 Phone Number: Department Manager 724.238.4138

Name: _____
 Address: _____
 City, State, Zip: _____
 Begin Date: _____
 End Date: _____
 % Ownership: _____
 Position/Title: _____
 Phone Number: _____

PAPERWORK REDUCTION STATEMENT

The Paperwork Reduction Act of 1995 (44 U.S.C 3501) requires us to inform you that: Federal Agencies may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a current valid OMB control number. This information is necessary for all successful bidders prior to the distribution of AML funds, and is required to obtain a benefit.

Public reporting burden for this form is estimated to range from 15 minutes to one hour, with an average of 30 minutes per response, including time for reviewing instructions, gather and maintaining data, and completing and reviewing the form. You may direct comments regarding the burden estimate or any other aspect of this form to the Information Collection Clearance Officer, Office of Surface Mining Reclamation and Enforcement, 1849 C Street, NW, Room 4559, Washington, DC 20240.



U.S. Department of the Interior
Office of Surface Mining Reclamation and Enforcement
Applicant/Violator System

AVS_Visitor
Help Logout

Entities

Previous Search

Entity Name

Search

10 per page ▼

Entity Number: 268137

Last Name: The Markosky Engineering Group Inc

*** First Name:**

Middle Name:

Alias:

Tax ID:

Memo: AML Contractor

Created: 4/1/2025

Updated: 4/1/2025

Source: benjamin.campbell

Entity Type: Business

Locked: Y

Entity #	Entity Name	Suffix	First	Middle	Lock	Type	
268137	The Markosky Engineering Group Inc				Y	Business	Select

Addresses

Relationships

Applications

Permits

Comments

Street	City	State	Zip	Phone	Source
3689 Route 711	Ligonier	PA	15658	724-238-4138	benjamin.campbell

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)

<input checked="" 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.

____CTL Engineering, Inc._____
Company

____*Alannay Keller*_____
Authorized Signature

____8/19/2025_____
Date

NOTE: This addendum acknowledgment should be submitted with the bid to expedite document processing.
Revised 6/8/2012



Certificate

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

CTL ENGINEERING OF WEST VIRGINIA, INC.

was incorporated under the laws of West Virginia and a Certificate of Incorporation was issued by the West Virginia Secretary of State's Office on August 03, 1983.

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

Accordingly, I hereby issue this Certificate of Existence

CERTIFICATE OF EXISTENCE

Validation ID:0WV84_4ASHN



*Given under my hand and the
Great Seal of the State of
West Virginia on this day of
January 06, 2025*

Mac Warner

Secretary of State

State of West Virginia



Certificate

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

GREENMAN-PEDERSEN, INC.

a corporation formed under the laws of New York 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 September 26, 2000.

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:6WV0F_W43MF



*Given under my hand and the
Great Seal of the State of
West Virginia on this day of
October 01, 2024*

Mac Warner

Secretary of State

WEST VIRGINIA BOARD OF PROFESSIONAL SURVEYORS



Certificate of Authorization

Greenman-Pedersen, Inc.

Babylon, NY



CERTIFICATE OF AUTHORIZATION # 25-5830

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 19 day of March 25

2025

A handwritten signature in black ink, appearing to read "Sefton R. Stewart".

Sefton R. Stewart, P.S., Chairman
Lantz G. Rankin, P.S., Member



Douglas C. McElwee, Esq.

A handwritten signature in black ink, appearing to read "James T. Rayburn".

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

Public Member

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*

THE MARKOSKY ENGINEERING GROUP, INC.

C04725-00

Engineer in Responsible Charge: MARK A. MARKOSKY - WV PE 020219

*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 Certification 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