



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: 000000218574

Legal Name: PALMER ENGINEERING CO

Alias/DBA:

Total Bid: \$1.00

Response Date: 08/20/2025

Response Time: 8:18

Responded By User ID: PalmerWV 2018

First Name: Chris

Last Name: Francis

Email: cfrancis@palmet.com

Phone: 6812357305

SO Doc Code: CEOI

SO Dept: 0313

SO Doc ID: DEP260000001

Published Date: 8/13/25

Close Date: 8/20/25

Close Time: 13:30

Status: Closed

Solicitation Description: AML - EOJ 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 ESR08072500000000715	1

VENDOR
 000000218574
 PALMER ENGINEERING CO

Solicitation Number: CEOI 0313 DEP2600000001
Total Bid: 1 **Response Date:** 2025-08-20 **Response Time:** 08:18:48
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				1.00

Comm Code	Manufacturer	Specification	Model #
81100000			

Commodity Line Comments: Contract amount will vary depending on the projects. \$1.00 was submitted as a placeholder.

Extended Description:

EOI Engineering Design Services

August 19, 2025
Mr. Josh Hager
2019 Washington Street
East Charleston, WV 25305

RE: Expression of Interest for the West Virginia Department of Environmental Protection, Division of Land Restoration, Office of Abandoned Mine Lands (WVDEP-DLR-AML)

Dear Mr. Hager:

I am pleased to submit the attached expression of interest and statement of qualifications, presenting our Team's experience and expertise for the subject project. Palmer Engineering has teamed up with Terradon Corporation and Carpenter Marty transportation to meet the needs of the WVDEP-DLR-AML.

Professional Qualifications – I will lead our team as Project Manager, overseeing the work and be readily available to the Department. I have 23 years of experience in the West Virginia Civil Engineering industry and have managed both private, Federal Agency, and State Agency projects. I have managed over 60 successful projects in the State of West Virginia and was a design engineer for countless other in my career.

Specialized Experience and Technical Competence – Jason Green and Kimbra Taylor in our Hurricane WV office, have extensive past experience in WVDEP-DLR-AML projects while working for a consulting firm. Supplementing our Team with additional resources and expertise are:

- Terradon Corporation: Performing Geotechnical Engineering duties, as well as supplemental construction inspection personnel as needed.
- Carpenter Marty transportation: **Ali Sadeghian, PE** will add additional resources in the area of sediment and erosion control, permitting, hydraulics and hydrology.

Capacity - Palmer Engineering will be able to dedicate 61% of our WV office staff for any project that may be assigned to the team. Terradon Corporation and Carpenter Marty Transportation, will supplement our staff as needed as subconsultants.

Past Performance – Palmer Engineering employees have past experience working with the WVDEP. A sample of such projects are listed below.

- Amigo Portals
- Larry Fredrick Highwall & Refuse
- Oldfiled Branch
- Wheatly Branch Portals
- Cherokee Complex
- Laurel Point Strip
- Reynoldsville Refuse
- Earling Refuse Pile
- Greystone Mine Drainage
- Heizer Creek Drainage
- Wolfpen Landslide
- Eastern Wyoming County PSD Feasibility Study
- Route 60 Drainage

Sincerely,



Chris Francis, PE – Branch Manager, WV



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
Doc Description: AML - EOI Pre-Qualification for Consultants
Proc Type: Central Purchase Order
Reason for Modification:

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: 000000218574
Vendor Name : Palmer Engineering Company
Address : 3058 Mount Vernon Rd, Suite 5
Street :
City : Hurricane
State : WV **Country :** USA **Zip :** 25526
Principal Contact : Chris Francis, PE
Vendor Contact Phone: 681-235-7305 **Extension:** 3402

FOR INFORMATION CONTACT THE BUYER

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

Vendor
 Signature X

FEIN# 61-0679012

DATE August 19, 2025

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

ADDITIONAL INFORMATION

The Acquisitions and Contract Administration Section of the Purchasing Division is soliciting vendors to prequalify to provide proposals on Expression(s) of Interest(s) ("EOI") for the West Virginia Department of Environmental Protection, Division of Land Restoration, Office of Abandoned Mine Lands and Reclamation (WVDEP-DLR-AML) from qualified firms to provide architectural/ engineering services pursuant to HB 3429.

The purpose of the project is to solicit pre-qualifications for the purpose of making available a list of pre-qualified Consultants.

INVOICE TO	SHIP TO
ENVIRONMENTAL PROTECTION OFFICE OF AML&R 601 57TH ST SE CHARLESTON WV 25304 US	ENVIRONMENTAL PROTECTION OFFICE OF AML&R 601 57TH ST SE CHARLESTON WV 25304 US

Line	Comm Ln Desc	Qty	Unit Issue
1	EOI Engineering Design Services		

Comm Code	Manufacturer	Specification	Model #
81100000			

Extended Description:
EOI Engineering Design Services

SCHEDULE OF EVENTS

<u>Line</u>	<u>Event</u>	<u>Event Date</u>
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EXPRESSION OF INTEREST

Pre-Qualification for Design Firms

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SECTION ONE: GENERAL INFORMATION

- 1. PURPOSE:** The Acquisitions and Contract Administration Section of the Purchasing Division (“Purchasing Division”) is soliciting vendors to prequalify to provide proposals on Expression(s) of Interest(s) (“EOI”) for the West Virginia Department of Environmental Protection, Division of Land Restoration, Office of Abandoned Mine Lands and Reclamation (WVDEP-DLR-AML) (“Agency”), from qualified firms to provide architectural/engineering services (“Vendors”) pursuant to HB 3429.
- 2. PROJECT:** The purpose of the project is to solicit pre-qualifications for the purpose of making available a list of pre-qualified Consultants.

Enrolled Version - Final Version

OTHER VERSIONS - [Committee Substitute \(1\)](#) | [Engrossed Version](#) | [Introduced Version](#) |

Key: **Green** = existing Code. **Red** = new code to be enacted

WEST VIRGINIA LEGISLATURE
2025 REGULAR SESSION
ENROLLED
Committee Substitute
for
House Bill 3429

BY DELEGATE RILEY

[Passed April 12, 2025; in effect 90 days from passage (July 11, 2025)]

AN ACT to amend the Code of West Virginia, 1931, as amended, by adding a new section designated **§22-2-11**, relating to providing engineering services under the abandoned mine lands and reclamation act; requiring certain advertisements; establishing a prequalification process for hiring engineering firms; providing prequalification agreement requirements; and providing directives for project assignments.

Be it enacted by the Legislature of West Virginia:

ARTICLE 2. ABANDONED MINE LANDS AND RECLAMATION ACT.

§22-2-11. Prequalification process for consultants; project assignments.

(a) For purposes of this section, "professional services" means engineering services provided by firms and includes those professional services of an engineering nature as well as incidental services that members of those professions and those in their employ may logically or justifiably perform.

(b) The secretary shall publish a Class II legal advertisement to solicit letters of interest for professional services used in engineering procurement. The advertisement:

(1) Shall comply with the Class II legal advertisement provisions of **§59-3-1** *et seq.* of this code;

(2) State a time and place for submitting letters of interest and a description of the services required;

(3) Specify the secretary's right to reject any letter of interest; and

(4) Shall be published at least once in at least one daily newspaper published in the city of Charleston and in other journals or magazines as the secretary determines is advisable.

(c) The department shall evaluate any letter of interest received and generate from the letters received a list of all qualified firms, designated the "Prequalified List of Firms".

(d) Upon the department's recommendation, the Purchasing Division shall enter into a prequalification agreement with the qualified firms pursuant to **§5A-3-10e** of this code. The agreement shall cover the services defined in the letters of interest and have a one-year term, with an optional two-year extension if requested by the department.

(e) For all project assignments:

(1) The department shall issue an expression of interest for any project that needs to be solicited and deliver it to those prequalified firms with which the Purchasing Division has an active prequalification agreement;

(2) The department may review and consider responses only from prequalified consultants with active prequalification agreements;

(3) The department shall conduct discussions with three or more professional services firms solicited on the basis of known or submitted qualifications for the project prior to awarding a contract. If the secretary determines that special circumstances exist such that seeking competition is not practical, the department may, with the Director of Purchasing's prior approval, select a professional services firm on the basis of previous satisfactory performance and knowledge of the department's facilities and needs. After selection, the department and firm shall develop the scope of services required and negotiate a contract;

(4) The department shall notify its procurement division and the Division of Purchasing of the firm that it selected;

(5) The department shall schedule and conduct a scope of work meeting with the selected firm within 45 days of selection;

(6) Within 60 days of selection, unless an extension is requested by both parties, the department and firm shall complete cost negotiations;

(7) The department shall provide to its own procurement division and the Purchasing Division information regarding the agreed upon costs and all required forms necessary to initiate a contract; and

(8) The department may issue an advanced notice to proceed, if requested by the firm.

The Clerk of the House of Delegates and the Clerk of the Senate hereby certify that the foregoing bill is correctly enrolled.

.....
Clerk of the House of Delegates

.....
Clerk of the Senate

Originated in the House of Delegates.

In effect 90 days from passage.

.....
Speaker of the House of Delegates

.....
President of the Senate

The within is this the.....

Day of, 2025.

Governor

.....

EXPRESSION OF INTEREST

Pre-Qualification for Design Firms

SECTION TWO: INSTRUCTIONS TO VENDORS SUBMITTING BIDS

Instructions begin on the next page.

INSTRUCTIONS TO VENDORS SUBMITTING BIDS

1. **REVIEW DOCUMENTS THOROUGHLY:** The attached documents contain a solicitation for bids. Please read these instructions and all documents attached in their entirety. These instructions provide critical information about requirements that if overlooked could lead to disqualification of a Vendor's bid. All bids must be submitted in accordance with the provisions contained in these instructions and the Solicitation. Failure to do so may result in disqualification of Vendor's bid.

2. **MANDATORY TERMS:** The Solicitation may contain **mandatory** provisions identified by the use of the words "**must**," "**will**," and "**shall**." Failure to comply with a mandatory term in the Solicitation will result in bid disqualification.

3. **PRE-BID MEETING:** The item identified below shall apply to this Solicitation.

A pre-bid meeting will not be held prior to bid opening

A **MANDATORY PRE-BID** meeting will be held at the following place and time:

All Vendors submitting a bid must attend the **mandatory** pre-bid meeting. Failure to attend the **mandatory** pre-bid meeting shall result in disqualification of the Vendor's bid. No one individual is permitted to represent more than one vendor at the pre-bid meeting. Any individual that does attempt to represent two or more vendors will be required to select one vendor to which the individual's attendance will be attributed. The vendors not selected will be deemed to have not attended the pre-bid meeting unless another individual attended on their behalf.

An attendance sheet provided at the pre-bid meeting shall serve as the official document verifying attendance. Any person attending the pre-bid meeting on behalf of a Vendor must list on the attendance sheet his or her name and the name of the Vendor he or she is representing. It is the Vendor's responsibility to locate the attendance sheet and provide the required information. Failure to complete the attendance sheet as required may result in disqualification of Vendor's bid.

Vendors who arrive after the starting time but prior to the end of the pre-bid will be permitted to sign in but are charged with knowing all matters discussed at the pre-bid.

Any discussions or answers to questions at the pre-bid meeting are preliminary in nature and are non-binding. Official and binding answers to questions will be published in a written addendum to the Solicitation prior to bid opening.

4. VENDOR QUESTION DEADLINE: Vendors may submit questions relating to this Solicitation to the Purchasing Division. Questions must be submitted in writing. All questions **must be submitted on or before the date listed below and to the address listed below to be considered.** A written response will be published in a Solicitation addendum if a response is possible and appropriate. Non-written discussions, conversations, or questions and answers regarding this Solicitation are preliminary in nature and are non-binding.

Submitted emails should have the solicitation number in the subject line. Question

Submission Deadline:

Submit Questions to:
2019 Washington Street, East Charleston, WV 25305
Fax: (304) 558-3970
Email:

5. VERBAL COMMUNICATION: Any verbal communication between the Vendor and any State personnel is not binding, including verbal communication at the mandatory pre-bid conference. Only information issued in writing and added to the Solicitation by an official written addendum by the Purchasing Division is binding.

6. BID SUBMISSION: All bids must be submitted on or before the date and time of the bid opening listed in section 7 below. Vendors can submit bids electronically through wvOASIS, in paper form delivered to the Purchasing Division at the address listed below either in person or by courier, or in facsimile form by faxing to the Purchasing Division at the number listed below. Notwithstanding the foregoing, the Purchasing Division may prohibit the submission of bids electronically through wvOASIS at its sole discretion. Such a prohibition will be contained and communicated in the wvOASIS system resulting in the Vendor's inability to submit bids through wvOASIS. The Purchasing Division will not accept bids or modification of bids via email.

Bids submitted in paper, facsimile, or via wvOASIS must contain a signature. Failure to submit a bid in any form without a signature will result in rejection of your bid.

A bid submitted in paper or facsimile form should contain the information listed below on the face of the submission envelope or fax cover sheet. Otherwise, the bid may be rejected by the Purchasing Division.

VENDOR NAME:

BUYER:

SOLICITATION NO.:

BID OPENING DATE:

BID OPENING TIME:

FAX NUMBER:

Any bid received by the Purchasing Division staff is considered to be in the possession of the Purchasing Division and will not be returned for any reason.

Bid Delivery Address and Fax Number:

Department of Administration, Purchasing Division 2019 Washington Street East

Charleston, WV 25305-0130

Fax: 304-558-3970

7. BID OPENING: Bids submitted in response to this Solicitation will be opened at the location identified below on the date and time listed below. Delivery of a bid after the bid opening date and time will result in bid disqualification. For purposes of this Solicitation, a bid is considered delivered when confirmation of delivery is provided by wvOASIS (in the case of electronic submission) or when the bid is time stamped by the official Purchasing Division time clock (in the case of hand delivery or via delivery by mail).

Bid Opening Date and Time:

Bid Opening Location:

Department of Administration, Purchasing Division

2019 Washington Street East

Charleston, WV 25305-0130

8. ADDENDUM ACKNOWLEDGEMENT: Changes or revisions to this Solicitation will be made by an official written addendum issued by the Purchasing Division. Vendor should acknowledge receipt of all addenda issued with this Solicitation by completing an Addendum Acknowledgement Form. Failure to acknowledge addenda may result in bid disqualification. The addendum acknowledgement should be submitted with the bid to expedite document processing.

9. **BID FORMATTING:** Vendor should type or electronically enter the information onto its bid to prevent errors in the evaluation. Failure to type or electronically enter the information may result in bid disqualification.

10. **ALTERNATE MODEL OR BRAND:** Unless the box below is checked, any model, brand, or specification listed in this Solicitation establishes the acceptable level of quality only and is not intended to reflect a preference for, or in any way favor, a particular brand or vendor. Vendors may bid alternates to a listed model or brand provided that the alternate is at least equal to the model or brand and complies with the required specifications. The equality of any alternate being bid shall be determined by the State at its sole discretion. Any Vendor bidding an alternate model or brand **shall** clearly identify the alternate items in its bid and should include manufacturer's specifications, industry literature, and/or any other relevant documentation demonstrating the equality of the alternate items. Failure to provide information for alternate items **may** be grounds for rejection of a Vendor's bid.

[] This Solicitation is based upon a standardized commodity established under W. Va. Code § 5A-3-61. Vendors are expected to bid the standardized commodity identified. Failure to bid the standardized commodity will result in your firm's bid being rejected.

11. **COMMUNICATION LIMITATIONS:** In accordance with West Virginia Code of State Rules §148-1-6.6.2, communication with the State of West Virginia or any of its employees regarding this Solicitation during the solicitation, bid, evaluation or award periods, except through the Purchasing Division, is strictly prohibited without prior Purchasing Division approval. Purchasing Division approval for such communication is implied for all agency delegated and exempt purchases.

12. **REGISTRATION:** Prior to Contract award, the apparent successful Vendor **must** be properly registered with the West Virginia Purchasing Division and must have paid the \$125 fee, if applicable.

13. **UNIT PRICE:** Unit prices **shall** prevail in cases of a discrepancy in the Vendor's bid.

14. **PREFERENCE:** Vendor Preference may be requested in purchases of motor vehicles or construction and maintenance equipment and machinery used in highway and other infrastructure projects. Any request for preference must be submitted in writing with the bid, must specifically identify the preference requested with reference to the applicable subsection of West Virginia Code § 5A-3-37, and must include with the bid any information necessary to evaluate and confirm the applicability of the requested preference. A request form to help facilitate the request can be found at: www.state.wv.us/admin/purchase/vrc/Venpref.pdf.

15A. RECIPROCAL PREFERENCE: The State of West Virginia applies a reciprocal preference to all solicitations for commodities and printing in accordance with W. Va. Code § 5A-3-37(b). In effect, non-resident vendors receiving a preference in their home states, will see that same preference granted to West Virginia resident vendors bidding against them in West Virginia. Any request for reciprocal preference must include with the bid any information necessary to evaluate and confirm the applicability of the preference. A request form to help facilitate the request can be found at: www.state.wv.us/admin/purchase/vrc/Venpref.pdf.

15. SMALL, WOMEN-OWNED, OR MINORITY-OWNED BUSINESSES:

For any solicitations publicly advertised for bid, in accordance with West Virginia Code §5A-3-37 and W. Va. CSR § 148-22-9, any non-resident vendor certified as a small, women-owned, or minority-owned business under W. Va. CSR § 148-22-9 shall be provided the same preference made available to any resident vendor. Any non-resident small, women-owned, or minority-owned business must identify itself as such in writing, must submit that writing to the Purchasing Division with its bid, and must be properly certified under W. Va. CSR § 148-22-9 prior to contract award to receive the preferences made available to resident vendors.

16. WAIVER OF MINOR IRREGULARITIES: The Director reserves the right to waive minor irregularities in bids or specifications in accordance with West Virginia Code of State Rules § 148-1-4.7.

17. ELECTRONIC FILE ACCESS RESTRICTIONS: Vendor must ensure that its submission in wvOASIS can be accessed and viewed by the Purchasing Division staff immediately upon bid opening. The Purchasing Division will consider any file that cannot be immediately accessed and viewed at the time of the bid opening (such as, encrypted files, password protected files, or incompatible files) to be blank or incomplete as context requires and are therefore unacceptable. A vendor will not be permitted to unencrypt files, remove password protections, or resubmit documents after bid opening to make a file viewable if those documents are required with the bid. A Vendor may be required to provide document passwords or remove access restrictions to allow the Purchasing Division to print or electronically save documents provided that those documents are viewable by the Purchasing Division prior to obtaining the password or removing the access restriction.

18. NON-RESPONSIBLE: The Purchasing Division Director reserves the right to reject the bid of any vendor as Non-Responsible in accordance with W. Va. Code of State Rules § 148-1-5.3, when the Director determines that the vendor submitting the bid does not have the capability to fully perform or lacks the integrity and reliability to assure good-faith performance.”

19. ACCEPTANCE/REJECTION: The State may accept or reject any bid in whole, or in part in accordance with W. Va. Code of State Rules § 148-1-4.6. and § 148-1-6.3.”

20. **WITH THE BID REQUIREMENTS:** In instances where these specifications require documentation or other information with the bid, and a vendor fails to provide it with the bid, the Director of the Purchasing Division reserves the right to request those items after bid opening and prior to contract award pursuant to the authority to waive minor irregularities in bids or specifications under W. Va. CSR § 148-1-4.7. This authority does not apply to instances where state law mandates receipt with the bid.

21. **EMAIL NOTIFICATION OF AWARD:** The Purchasing Division will attempt to provide bidders with e-mail notification of contract award when a solicitation that the bidder participated in has been awarded. For notification purposes, bidders must provide the Purchasing Division with a valid email address in the bid response. Bidders may also monitor wvOASIS or the Purchasing Division's website to determine when a contract has been awarded.

22. **EXCEPTIONS AND CLARIFICATIONS:** The Solicitation contains the specifications that **shall** form the basis of a contractual agreement. **Vendor shall clearly mark any exceptions, clarifications, or other proposed modifications in its bid.** Exceptions to, clarifications of, or modifications of a requirement or term and condition of the Solicitation may result in bid disqualification.

EXPRESSION OF INTEREST

Pre-Qualification for Design Firms

SECTION THREE: PROJECT SPECIFICATIONS

- 1. Background:** The WVDEP/AML Program is soliciting Consultant Firms to provide “full service” A/E planning, realty, design, and construction oversight. Firms are to be licensed Architectural/Engineering Firms (A/E) in the State of West Virginia and either the firm or its sub-contractors within a given field must have a successful track record of permitting and designing reclamation projects, realty, and construction inspection. The anticipated contract (s) will be advertised once the prequalified vendors are determined and will be for “full service” A/E planning, realty, design, and construction oversight. This solicitation is only for the purpose of prequalifying vendors. No specific project will be awarded from this solicitation.

The expectation is the successful prequalified A/E firm(s) will be able to call upon a team of professionals for each discipline, whether internal or subcontracted, that can provide each discipline’s deliverables with a minimum of supervision. The expectation is that the successful prequalified A/E firm will be providing a schedule, tracking work to that schedule, and providing regular updates as to progress with a minimum of State oversight.

- 2. Project and Goals:** 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:

Qualifications should be highlighted to meet the following criteria:

All Work shall comply with the Infrastructure Investment Jobs Act (IIJA), including compliance with the Davis-Bacon and Build America, Buy America (BABA), as applicable and all Federal, State, and Local laws.

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, WV 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 includes but is not limited to bat studies, threatened and endangered species investigation / analysis / report generation, water quality sampling, and data collection / analysis.

EXPRESSION OF INTEREST

Pre-Qualification for Design Firms

Realty Work encompasses all necessary research and subsequent right of entry agreements being set into place for the sites to be sufficiently and legally investigated, designed, and for a final design 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, obtaining Construction Rights of Entry (CROE) from landowners, keeping logs of all conversations 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 prior to performing any fieldwork on-site, and these rights of entry must include the successful A/E firm, the WVDEP-DLR-AML, and Office of Surface Mining Reclamation & Enforcement (OSMRE).

Design Work which 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 an engineered, permanent solution that fully addresses the issues and problems that each project presents. This also includes site and geotechnical investigations. Each design must fully remove and 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 Registered Professional Surveyor in the State of West Virginia for survey for deliverables. Design Work includes but is not limited to: National Pollutant Discharge Elimination System (NPDES) construction stormwater General Permit registration, West Virginia Department of Highways (WVDOH) MM-109 encroachment permits, Army Corps of Engineers (USACE) consultations, Department of Health Permits (for water lines, if applicable), and county permits as applicable, including floodplain permits. Design Work could also 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, stormwater 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 successful A/E firm must obtain, maintain, and release all required permits.

Construction Oversight Work including 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 and Support, review and approval of contractor-provided as-builts, and Final Engineer's Certification Report of the project.

EXPRESSION OF INTEREST

Pre-Qualification for Design Firms

Vendor should describe how the firm will meet the Agency's and firms agreement for deadlines.

Vendors should demonstrate a clear understanding of the time-sensitive nature of Abandoned Mine Land (AML) reclamation projects and provide a plan for how they will meet all deadlines established by the Agency throughout the project lifecycle.

3. Contract Services Deliverables: Once Prequalified, The Agency expects firms to:

- Adhere to established schedules for project initiation, deliverables, and completion.
- Be responsive to funding and compliance timelines under the Infrastructure Investment and Jobs Act (IIJA) and the Surface Mining Control and Reclamation Act (SMCRA).
- Coordinate effectively with Agency staff, subcontractors, and permitting authorities to avoid delays.
- Proactively identify risks and propose mitigation strategies to stay on track.

Firms must include but not limited to the following documentation in each prequalification response:

- A description of their project management approach and internal systems used to ensure timely performance;
- Examples of past AML or similar projects completed on time, including key deadlines met.
- A summary of personnel availability and resource planning to meet overlapping or expedited deadlines;
- A plan for communication, progress tracking, and prompt issue resolution.

4. Qualifications, Experience, and Past Performance: Consultant must include a statement of qualifications and performance data. The statement of qualifications and performance data may be presented through things like information regarding its employees, such as staff qualifications and experience in completing similar projects; references; copies of any staff certifications or degrees applicable to this project; proposed staffing plan; descriptions of past projects completed entailing the location of the project, project manager name and contact information, type of project, and the project goals and objectives and how they were met.

EXPRESSION OF INTEREST

Pre-Qualification for Design Firms

All Consultants requesting to be considered **MUST** hold a valid Certificate of Authorization (COA) and have an individual who shall oversee the work, who will sign and seal all design documentation, plans, etc., and must be registered and licensed with the West Virginia Board of Professional Engineers.

The response should be presented in concise format which defines the corporation history and the experience, qualifications, and performance data of the firm's staff as requested by the AML Consultant Qualification Questionnaire (CQQ), Attachment "A" and the AML and Related Project Experience Matrix (RPEM), Attachment "B".

AML Consultant Qualification Questionnaire (CQQ) should be completed and submitted with Vendor's submitted response to be eligible (**See Attachment "A"**).

AML and Related Project Experience Matrix (RPEM) should also be completed and submitted with Vendor's submitted response to be eligible (**See Attachment "B"**).

SECTION FOUR: VENDOR PROPOSAL, EVALUATION, & AWARD

1. The resume and qualifications of the submitted staff will be reviewed and evaluated based on design experience. Additional AML experience should be included for additional evaluation. Selections will be based on detailed work experience supplied in the resume, as well as the firm's principal in charge assurances of reliability and competency. If it is determined that work is being performed at a substandard or inefficient manner the Department may choose to remove the firm from the list with the approval of the Purchasing Division.

Once approved, that Consultant's name shall be placed on the list of Consultants pre-qualified to participate in this program and shall be considered pre-qualified and eligible for project selection

Those Consultants selected and placed on a master list **MUST** resubmit their CQQ (or **Attachment "A"**) upon any changes or change of discipline. Consultants must keep a current certificate of insurance (COI) throughout the contract period and resubmit a current COI upon renewals.

EXPRESSION OF INTEREST

Pre-Qualification for Design Firms

- 2. Evaluation and Award Process:** Expressions of Interest for projects will be evaluated and awarded in accordance with W.Va. Code §22-2-11. The State shall select the best value solution according to WV Code §22-2-11. This solicitation is for the prequalification of those vendors only. No award for a specific project will be determined from this solicitation.

If negotiations are successful, the contract documents will be forwarded to the WV Purchasing Division for review and approval, and then to the WV Attorney General's office for review and approval as to form. Once approved, a formal contract will be issued to the Vendor.

Should the agency be unable to negotiate a satisfactory contract with the professional firm considered to be the most qualified at a fee determined to be fair and reasonable, the agency will then commence negotiations with the second most qualified firm, and so on, until an agreement is reached or the solicitation is cancelled.

Evaluation Determination: The Agency will evaluate the letters of interest to determine the most qualified to perform the desired service. The evaluation criteria will be based upon the prequalification process for consultants; project assignments pursuant to WV Code §22-2-11.

EXPRESSION OF INTEREST

Pre-Qualification for Design Firms

SECTION FIVE: TERMS AND CONDITIONS

Terms and conditions begin on the next page.

GENERAL TERMS AND CONDITIONS:

1. CONTRACTUAL AGREEMENT: Issuance of an Award Document signed by the Purchasing Division Director, or his designee, and approved as to form by the Attorney General's office constitutes acceptance by the State of this Contract made by and between the State of West Virginia and the Vendor. Vendor's signature on its bid, or on the Contract if the Contract is not the result of a bid solicitation, signifies Vendor's agreement to be bound by and accept the terms and conditions contained in this Contract.

2. DEFINITIONS: As used in this Solicitation/Contract, the following terms shall have the meanings attributed to them below. Additional definitions may be found in the specifications included with this Solicitation/Contract.

2.1. "Agency" or "Agencies" means the agency, board, commission, or other entity of the State of West Virginia that is identified on the first page of the Solicitation or any other public entity seeking to procure goods or services under this Contract.

2.2. "Bid" or "Proposal" means the vendors submitted response to this solicitation.

2.3. "Contract" means the binding agreement that is entered into between the State and the Vendor to provide the goods or services requested in the Solicitation.

2.4. "Director" means the Director of the West Virginia Department of Administration, Purchasing Division.

2.5. "Purchasing Division" means the West Virginia Department of Administration, Purchasing Division.

2.6. "Award Document" means the document signed by the Agency and the Purchasing Division, and approved as to form by the Attorney General, that identifies the Vendor as the contract holder.

2.7. "Solicitation" means the official notice of an opportunity to supply the State with goods or services that is published by the Purchasing Division.

2.8. "State" means the State of West Virginia and/or any of its agencies, commissions, boards, etc. as context requires.

2.9. "Vendor" or "Vendors" means any entity submitting a bid in response to the Solicitation, the entity that has been selected as the lowest responsible bidder, or the entity that has been awarded the Contract as context requires.

3. CONTRACT TERM; RENEWAL; EXTENSION: The term of this Contract shall be determined in accordance with the category that has been identified as applicable to this Contract below:

Term Contract

Initial Contract Term: The Initial Contract Term will be for a period of _____. The Initial Contract Term becomes effective on the effective start date listed on the first page of this Contract, identified as the State of West Virginia contract cover page containing the signatures of the Purchasing Division, Attorney General, and Encumbrance clerk (or another page identified as _____), and the Initial Contract Term ends on the effective end date also shown on the first page of this Contract.

Renewal Term: This Contract may be renewed upon the mutual written consent of the Agency, and the Vendor, with approval of the Purchasing Division and the Attorney General's office (Attorney General approval is as to form only). Any request for renewal should be delivered to the Agency and then submitted to the Purchasing Division thirty (30) days prior to the expiration date of the initial contract term or appropriate renewal term. A Contract renewal shall be in accordance with the terms and conditions of the original contract. Unless otherwise specified below, renewal of this Contract is limited to _____ successive one (1) year periods or multiple renewal periods of less than one year, provided that the multiple renewal periods do not exceed the total number of months available in all renewal years combined. Automatic renewal of this Contract is prohibited. Renewals must be approved by the Vendor, Agency, Purchasing Division and Attorney General's office (Attorney General approval is as to form only)

Alternate Renewal Term – This contract may be renewed for _____ successive _____ year periods or shorter periods provided that they do not exceed the total number of months contained in all available renewals. Automatic renewal of this Contract is prohibited. Renewals must be approved by the Vendor, Agency, Purchasing Division and Attorney General's office (Attorney General approval is as to form only)

Delivery Order Limitations: In the event that this contract permits delivery orders, a delivery order may only be issued during the time this Contract is in effect. Any delivery order issued within one year of the expiration of this Contract shall be effective for one year from the date the delivery order is issued. No delivery order may be extended beyond one year after this Contract has expired.

Fixed Period Contract: This Contract becomes effective upon Vendor's receipt of the notice to proceed and must be completed within _____ days.

Fixed Period Contract with Renewals: This Contract becomes effective upon Vendor's receipt of the notice to proceed and part of the Contract more fully described in the attached specifications must be completed within _____ days. Upon completion of the work covered by the preceding sentence, the vendor agrees that:

the contract will continue for _____ years;

the contract may be renewed for _____ successive _____ year periods or shorter periods provided that they do not exceed the total number of months contained in all available renewals. Automatic renewal of this Contract is prohibited. Renewals must be approved by the Vendor, Agency, Purchasing Division and Attorney General's Office (Attorney General approval is as to form only).

One-Time Purchase: The term of this Contract shall run from the issuance of the Award Document until all of the goods contracted for have been delivered, but in no event will this Contract extend for more than one fiscal year.

Construction/Project Oversight: This Contract becomes effective on the effective start date listed on the first page of this Contract, identified as the State of West Virginia contract cover page containing the signatures of the Purchasing Division, Attorney General, and Encumbrance clerk (or another page identified as _____), and continues until the project for which the vendor is providing oversight is complete.

Other: Contract Term specified in _____

4. AUTHORITY TO PROCEED: Vendor is authorized to begin performance of this contract on the date of encumbrance listed on the front page of the Award Document unless either the box for "Fixed Period Contract" or "Fixed Period Contract with Renewals" has been checked in Section 3 above. If either "Fixed Period Contract" or "Fixed Period Contract with Renewals" has been checked, Vendor must not begin work until it receives a separate notice to proceed from the State. The notice to proceed will then be incorporated into the Contract via change order to memorialize the official date that work commenced.

5. QUANTITIES: The quantities required under this Contract shall be determined in accordance with the category that has been identified as applicable to this Contract below.

Open End Contract: Quantities listed in this Solicitation/Award Document are approximations only, based on estimates supplied by the Agency. It is understood and agreed that the Contract shall cover the quantities actually ordered for delivery during the term of the Contract, whether more or less than the quantities shown.

Service: The scope of the service to be provided will be more clearly defined in the specifications included herewith.

Combined Service and Goods: The scope of the service and deliverable goods to be provided will be more clearly defined in the specifications included herewith.

One-Time Purchase: This Contract is for the purchase of a set quantity of goods that are identified in the specifications included herewith. Once those items have been delivered, no additional goods may be procured under this Contract without an appropriate change order approved by the Vendor, Agency, Purchasing Division, and Attorney General's office.

Construction: This Contract is for construction activity more fully defined in the specifications.

6. EMERGENCY PURCHASES: The Purchasing Division Director may authorize the Agency to purchase goods or services in the open market that Vendor would otherwise provide under this Contract if those goods or services are for immediate or expedited delivery in an emergency. Emergencies shall include, but are not limited to, delays in transportation or an unanticipated increase in the volume of work. An emergency purchase in the open market, approved by the Purchasing Division Director, shall not constitute a breach of this Contract and shall not entitle the Vendor to any form of compensation or damages. This provision does not excuse the State from fulfilling its obligations under a One-Time Purchase contract.

7. REQUIRED DOCUMENTS: All of the items checked in this section must be provided to the Purchasing Division by the Vendor as specified:

LICENSE(S) / CERTIFICATIONS / PERMITS: In addition to anything required under the Section of the General Terms and Conditions entitled Licensing, the apparent successful Vendor shall furnish proof of the following licenses, certifications, and/or permits upon request and in a form acceptable to the State. The request may be prior to or after contract award at the State's sole discretion.

The apparent successful Vendor shall also furnish proof of any additional licenses or certifications contained in the specifications regardless of whether or not that requirement is listed above.

8. INSURANCE: The apparent successful Vendor shall furnish proof of the insurance identified by a checkmark below prior to Contract award. The insurance coverages identified below must be maintained throughout the life of this contract. Thirty (30) days prior to the expiration of the insurance policies, Vendor shall provide the Agency with proof that the insurance mandated herein has been continued. Vendor must also provide Agency with immediate notice of any changes in its insurance policies, including but not limited to, policy cancelation, policy reduction, or change in insurers. The apparent successful Vendor shall also furnish proof of any additional insurance requirements contained in the specifications prior to Contract award regardless of whether that insurance requirement is listed in this section.

Vendor must maintain:

Commercial General Liability Insurance in at least an amount of: _____ per occurrence.

Automobile Liability Insurance in at least an amount of: _____ per occurrence.

Professional/Malpractice/Errors and Omission Insurance in at least an amount of: _____ per occurrence. Notwithstanding the forgoing, Vendor's are not required to list the State as an additional insured for this type of policy.

Commercial Crime and Third Party Fidelity Insurance in an amount of: _____ per occurrence.

Cyber Liability Insurance in an amount of: _____ per occurrence.

Builders Risk Insurance in an amount equal to 100% of the amount of the Contract.

Pollution Insurance in an amount of: _____ per occurrence.

Aircraft Liability in an amount of: _____ per occurrence.

9. WORKERS' COMPENSATION INSURANCE: Vendor shall comply with laws relating to workers compensation, shall maintain workers' compensation insurance when required, and shall furnish proof of workers' compensation insurance upon request.

10. VENUE: All legal actions for damages brought by Vendor against the State shall be brought in the West Virginia Claims Commission. Other causes of action must be brought in the West Virginia court authorized by statute to exercise jurisdiction over it.

11. LIQUIDATED DAMAGES: This clause shall in no way be considered exclusive and shall not limit the State or Agency's right to pursue any other available remedy. Vendor shall pay liquidated damages in the amount specified below or as described in the specifications:

_____ for _____.

Liquidated Damages Contained in the Specifications.

Liquidated Damages Are Not Included in this Contract.

12. ACCEPTANCE: Vendor's signature on its bid, or on the certification and signature page, constitutes an offer to the State that cannot be unilaterally withdrawn, signifies that the product or service proposed by vendor meets the mandatory requirements contained in the Solicitation for that product or service, unless otherwise indicated, and signifies acceptance of the terms and conditions contained in the Solicitation unless otherwise indicated.

13. PRICING: The pricing set forth herein is firm for the life of the Contract, unless specified elsewhere within this Solicitation/Contract by the State. A Vendor's inclusion of price adjustment provisions in its bid, without an express authorization from the State in the Solicitation to do so, may result in bid disqualification. Notwithstanding the foregoing, Vendor must extend any publicly advertised sale price to the State and invoice at the lower of the contract price or the publicly advertised sale price.

14. PAYMENT IN ARREARS: Payments for goods/services will be made in arrears only upon receipt of a proper invoice, detailing the goods/services provided or receipt of the goods/services, whichever is later. Notwithstanding the foregoing, payments for software maintenance, licenses, or subscriptions may be paid annually in advance.

15. PAYMENT METHODS: Vendor must accept payment by electronic funds transfer and P-Card. (The State of West Virginia's Purchasing Card program, administered under contract by a banking institution, processes payment for goods and services through state designated credit cards.)

16. TAXES: The Vendor shall pay any applicable sales, use, personal property or any other taxes arising out of this Contract and the transactions contemplated thereby. The State of West Virginia is exempt from federal and state taxes and will not pay or reimburse such taxes.

17. ADDITIONAL FEES: Vendor is not permitted to charge additional fees or assess additional charges that were not either expressly provided for in the solicitation published by the State of West Virginia, included in the Contract, or included in the unit price or lump sum bid amount that Vendor is required by the solicitation to provide. Including such fees or charges as notes to the solicitation may result in rejection of vendor's bid. Requesting such fees or charges be paid after the contract has been awarded may result in cancellation of the contract.

18. FUNDING: This Contract shall continue for the term stated herein, contingent upon funds being appropriated by the Legislature or otherwise being made available. In the event funds are not appropriated or otherwise made available, this Contract becomes void and of no effect beginning on July 1 of the fiscal year for which funding has not been appropriated or otherwise made available. If that occurs, the State may notify the Vendor that an alternative source of funding has been obtained and thereby avoid the automatic termination. Non-appropriation or non-funding shall not be considered an event of default.

19. CANCELLATION: The Purchasing Division Director reserves the right to cancel this Contract immediately upon written notice to the vendor if the materials or workmanship supplied do not conform to the specifications contained in the Contract. The Purchasing Division Director may also cancel any purchase or Contract upon 30 days written notice to the Vendor in accordance with West Virginia Code of State Rules § 148-1-5.2.b.

20. TIME: Time is of the essence regarding all matters of time and performance in this Contract.

21. APPLICABLE LAW: This Contract is governed by and interpreted under West Virginia law without giving effect to its choice of law principles. Any information provided in specification manuals, or any other source, verbal or written, which contradicts or violates the West Virginia Constitution, West Virginia Code, or West Virginia Code of State Rules is void and of no effect.

22. COMPLIANCE WITH LAWS: Vendor shall comply with all applicable federal, state, and local laws, regulations and ordinances. By submitting a bid, Vendor acknowledges that it has reviewed, understands, and will comply with all applicable laws, regulations, and ordinances.

SUBCONTRACTOR COMPLIANCE: Vendor shall notify all subcontractors providing commodities or services related to this Contract that as subcontractors, they too are required to comply with all applicable laws, regulations, and ordinances. Notification under this provision must occur prior to the performance of any work under the contract by the subcontractor.

23. ARBITRATION: Any references made to arbitration contained in this Contract, Vendor's bid, or in any American Institute of Architects documents pertaining to this Contract are hereby deleted, void, and of no effect.

24. MODIFICATIONS: This writing is the parties' final expression of intent. Notwithstanding anything contained in this Contract to the contrary no modification of this Contract shall be binding without mutual written consent of the Agency, and the Vendor, with approval of the Purchasing Division and the Attorney General's office (Attorney General approval is as to form only). Any change to existing contracts that adds work or changes contract cost, and were not included in the original contract, must be approved by the Purchasing Division and the Attorney General's Office (as to form) prior to the implementation of the change or commencement of work affected by the change.

25. WAIVER: The failure of either party to insist upon a strict performance of any of the terms or provision of this Contract, or to exercise any option, right, or remedy herein contained, shall not be construed as a waiver or a relinquishment for the future of such term, provision, option, right, or remedy, but the same shall continue in full force and effect. Any waiver must be expressly stated in writing and signed by the waiving party.

26. SUBSEQUENT FORMS: The terms and conditions contained in this Contract shall supersede any and all subsequent terms and conditions which may appear on any form documents submitted by Vendor to the Agency or Purchasing Division such as price lists, order forms, invoices, sales agreements, or maintenance agreements, and includes internet websites or other electronic documents. Acceptance or use of Vendor's forms does not constitute acceptance of the terms and conditions contained thereon.

27. ASSIGNMENT: Neither this Contract nor any monies due, or to become due hereunder, may be assigned by the Vendor without the express written consent of the Agency, the Purchasing Division, the Attorney General's office (as to form only), and any other government agency or office that may be required to approve such assignments.

28. WARRANTY: The Vendor expressly warrants that the goods and/or services covered by this Contract will: (a) conform to the specifications, drawings, samples, or other description furnished or specified by the Agency; (b) be merchantable and fit for the purpose intended; and (c) be free from defect in material and workmanship.

29. STATE EMPLOYEES: State employees are not permitted to utilize this Contract for personal use and the Vendor is prohibited from permitting or facilitating the same.

30. PRIVACY, SECURITY, AND CONFIDENTIALITY: The Vendor agrees that it will not disclose to anyone, directly or indirectly, any such personally identifiable information or other confidential information gained from the Agency, unless the individual who is the subject of the information consents to the disclosure in writing or the disclosure is made pursuant to the Agency's policies, procedures, and rules. Vendor further agrees to comply with the Confidentiality Policies and Information Security Accountability Requirements, set forth in www.state.wv.us/admin/purchase/privacy.

31. YOUR SUBMISSION IS A PUBLIC DOCUMENT: Vendor's entire response to the Solicitation and the resulting Contract are public documents. As public documents, they will be disclosed to the public following the bid/proposal opening or award of the contract, as required by the competitive bidding laws of West Virginia Code §§ 5A-3-1 et seq., 5-22-1 et seq., and 5G-1-1 et seq. and the Freedom of Information Act West Virginia Code §§ 29B-1-1 et seq.

DO NOT SUBMIT MATERIAL YOU CONSIDER TO BE CONFIDENTIAL, A TRADE SECRET, OR OTHERWISE NOT SUBJECT TO PUBLIC DISCLOSURE.

Submission of any bid, proposal, or other document to the Purchasing Division constitutes your explicit consent to the subsequent public disclosure of the bid, proposal, or document. The Purchasing Division will disclose any document labeled "confidential," "proprietary," "trade secret," "private," or labeled with any other claim against public disclosure of the documents, to include any "trade secrets" as defined by West Virginia Code § 47-22-1 et seq. All submissions are subject to public disclosure without notice.

32. LICENSING: In accordance with West Virginia Code of State Rules § 148-1-6.1.e, Vendor must be licensed and in good standing in accordance with any and all state and local laws and requirements by any state or local agency of West Virginia, including, but not limited to, the West Virginia Secretary of State's Office, the West Virginia Tax Department, West Virginia Insurance Commission, or any other state agency or political subdivision. Obligations related to political subdivisions may include, but are not limited to, business licensing, business and occupation taxes, inspection compliance, permitting, etc. Upon request, the Vendor must provide all necessary releases to obtain information to enable the Purchasing Division Director or the Agency to verify that the Vendor is licensed and in good standing with the above entities.

SUBCONTRACTOR COMPLIANCE: Vendor shall notify all subcontractors providing commodities or services related to this Contract that as subcontractors, they too are required to be licensed, in good standing, and up-to-date on all state and local obligations as described in this section. Obligations related to political subdivisions may include, but are not limited to, business licensing, business and occupation taxes, inspection compliance, permitting, etc. Notification under this provision must occur prior to the performance of any work under the contract by the subcontractor.

33. ANTITRUST: In submitting a bid to, signing a contract with, or accepting a Award Document from any agency of the State of West Virginia, the Vendor agrees to convey, sell, assign, or transfer to the State of West Virginia all rights, title, and interest in and to all causes of action it may now or hereafter acquire under the antitrust laws of the United States and the State of West Virginia for price fixing and/or unreasonable restraints of trade relating to the particular commodities or services purchased or acquired by the State of West Virginia. Such assignment shall be made and become effective at the time the purchasing agency tenders the initial payment to Vendor.

34. VENDOR NON-CONFLICT: Neither Vendor nor its representatives are permitted to have any interest, nor shall they acquire any interest, direct or indirect, which would compromise the performance of its services hereunder. Any such interests shall be promptly presented in detail to the Agency.

35. VENDOR RELATIONSHIP: The relationship of the Vendor to the State shall be that of an independent contractor and no principal-agent relationship or employer-employee relationship is contemplated or created by this Contract. The Vendor as an independent contractor is solely liable for the acts and omissions of its employees and agents. Vendor shall be responsible for selecting, supervising, and compensating any and all individuals employed pursuant to the terms of this Solicitation and resulting contract. Neither the Vendor, nor any employees or subcontractors of the Vendor, shall be deemed to be employees of the State for any purpose whatsoever. Vendor shall be exclusively responsible for payment of employees and contractors for all wages and salaries, taxes, withholding payments, penalties, fees, fringe benefits, professional liability insurance premiums, contributions to insurance and pension, or other deferred compensation plans, including but not limited to, Workers' Compensation and Social Security obligations, licensing fees, etc. and the filing of all necessary documents, forms, and returns pertinent to all of the foregoing.

Vendor shall hold harmless the State, and shall provide the State and Agency with a defense against any and all claims including, but not limited to, the foregoing payments, withholdings, contributions, taxes, Social Security taxes, and employer income tax returns.

36. INDEMNIFICATION: The Vendor agrees to indemnify, defend, and hold harmless the State and the Agency, their officers, and employees from and against: (1) Any claims or losses for services rendered by any subcontractor, person, or firm performing or supplying services, materials, or supplies in connection with the performance of the Contract; (2) Any claims or losses resulting to any person or entity injured or damaged by the Vendor, its officers, employees, or subcontractors by the publication, translation, reproduction, delivery, performance, use, or disposition of any data used under the Contract in a manner not authorized by the Contract, or by Federal or State statutes or regulations; and (3) Any failure of the Vendor, its officers, employees, or subcontractors to observe State and Federal laws including, but not limited to, labor and wage and hour laws.

37. NO DEBT CERTIFICATION: In accordance with West Virginia Code §§ 5A-3-10a and 5-22-1(i), the State is prohibited from awarding a contract to any bidder that owes a debt to the State or a political subdivision of the State. By submitting a bid, or entering into a contract with the State, Vendor is affirming that (1) for construction contracts, the Vendor is not in default on any monetary obligation owed to the state or a political subdivision of the state, and (2) for all other contracts, neither the Vendor nor any related party owe a debt as defined above, and neither the Vendor nor any related party are in employer default as defined in the statute cited above unless the debt or employer default is permitted under the statute.

38. CONFLICT OF INTEREST: Vendor, its officers or members or employees, shall not presently have or acquire an interest, direct or indirect, which would conflict with or compromise the performance of its obligations hereunder. Vendor shall periodically inquire of its officers, members and employees to ensure that a conflict of interest does not arise. Any conflict of interest discovered shall be promptly presented in detail to the Agency.

39. REPORTS: Vendor shall provide the Agency and/or the Purchasing Division with the following reports identified by a checked box below:

Such reports as the Agency and/or the Purchasing Division may request. Requested reports may include, but are not limited to, quantities purchased, agencies utilizing the contract, total contract expenditures by agency, etc.

Quarterly reports detailing the total quantity of purchases in units and dollars, along with a listing of purchases by agency. Quarterly reports should be delivered to the Purchasing Division via email at purchasing.division@wv.gov.

40. BACKGROUND CHECK: In accordance with W. Va. Code § 15-2D-3, the State reserves the right to prohibit a service provider's employees from accessing sensitive or critical information or to be present at the Capitol complex based upon results addressed from a criminal background check. Service providers should contact the West Virginia Division of Protective Services by phone at (304) 558-9911 for more information.

41. PREFERENCE FOR USE OF DOMESTIC STEEL PRODUCTS: Except when authorized by the Director of the Purchasing Division pursuant to W. Va. Code § 5A-3-56, no contractor may use or supply steel products for a State Contract Project other than those steel products made in the United States. A contractor who uses steel products in violation of this section may be subject to civil penalties pursuant to W. Va. Code § 5A-3-56. As used in this section:

- a. "State Contract Project" means any erection or construction of, or any addition to, alteration of or other improvement to any building or structure, including, but not limited to, roads or highways, or the installation of any heating or cooling or ventilating plants or other equipment, or the supply of and materials for such projects, pursuant to a contract with the State of West Virginia for which bids were solicited on or after June 6, 2001.
- b. "Steel Products" means products rolled, formed, shaped, drawn, extruded, forged, cast, fabricated or otherwise similarly processed, or processed by a combination of two or more or such operations, from steel made by the open hearth, basic oxygen, electric furnace, Bessemer or other steel making process.
- c. The Purchasing Division Director may, in writing, authorize the use of foreign steel products if:
 1. The cost for each contract item used does not exceed one tenth of one percent (.1%) of the total contract cost or two thousand five hundred dollars (\$2,500.00), whichever is greater. For the purposes of this section, the cost is the value of the steel product as delivered to the project; or
 2. The Director of the Purchasing Division determines that specified steel materials are not produced in the United States in sufficient quantity or otherwise are not reasonably available to meet contract requirements.

42. PREFERENCE FOR USE OF DOMESTIC ALUMINUM, GLASS, AND STEEL: In Accordance with W. Va. Code § 5-19-1 et seq., and W. Va. CSR § 148-10-1 et seq., for every contract or subcontract, subject to the limitations contained herein, for the construction, reconstruction, alteration, repair, improvement or maintenance of public works or for the purchase of any item of machinery or equipment to be used at sites of public works, only domestic aluminum, glass or steel products shall be supplied unless the spending officer determines, in writing, after the receipt of offers or bids, (1) that the cost of domestic aluminum, glass or steel products is unreasonable or inconsistent with the public interest of the State of West Virginia, (2) that domestic aluminum, glass or steel products are not produced in sufficient quantities to meet the contract requirements, or (3) the available domestic aluminum, glass, or steel do not meet the contract specifications. This provision only applies to public works contracts awarded in an amount more than fifty thousand dollars (\$50,000) or public works contracts that require more than ten thousand pounds of steel products.

The cost of domestic aluminum, glass, or steel products may be unreasonable if the cost is more than twenty percent (20%) of the bid or offered price for foreign made aluminum, glass, or steel products. If the domestic aluminum, glass or steel products to be supplied or produced in a “substantial labor surplus area”, as defined by the United States Department of Labor, the cost of domestic aluminum, glass, or steel products may be unreasonable if the cost is more than thirty percent (30%) of the bid or offered price for foreign made aluminum, glass, or steel products. This preference shall be applied to an item of machinery or equipment, as indicated above, when the item is a single unit of equipment or machinery manufactured primarily of aluminum, glass or steel, is part of a public works contract and has the sole purpose or of being a permanent part of a single public works project. This provision does not apply to equipment or machinery purchased by a spending unit for use by that spending unit and not as part of a single public works project.

All bids and offers including domestic aluminum, glass or steel products that exceed bid or offer prices including foreign aluminum, glass or steel products after application of the preferences provided in this provision may be reduced to a price equal to or lower than the lowest bid or offer price for foreign aluminum, glass or steel products plus the applicable preference. If the reduced bid or offer prices are made in writing and supersede the prior bid or offer prices, all bids or offers, including the reduced bid or offer prices, will be reevaluated in accordance with this rule.

43. INTERESTED PARTY SUPPLEMENTAL DISCLOSURE: W. Va. Code § 6D-1-2 requires that for contracts with an actual or estimated value of at least \$1 million, the Vendor must submit to the Agency a disclosure of interested parties prior to beginning work under this Contract. Additionally, the Vendor must submit a supplemental disclosure of interested parties reflecting any new or differing interested parties to the contract, which were not included in the original pre-work interested party disclosure, within 30 days following the completion or termination of the contract. A copy of that form is included with this solicitation or can be obtained from the WV Ethics Commission. This requirement does not apply to publicly traded companies listed on a national or international stock exchange. A more detailed definition of interested parties can be obtained from the form referenced above.

44. PROHIBITION AGAINST USED OR REFURBISHED: Unless expressly permitted in the solicitation published by the State, Vendor must provide new, unused commodities, and is prohibited from supplying used or refurbished commodities, in fulfilling its responsibilities under this Contract.

45. VOID CONTRACT CLAUSES: This Contract is subject to the provisions of West Virginia Code § 5A-3-62, which automatically voids certain contract clauses that violate State law.

46. ISRAEL BOYCOTT: Bidder understands and agrees that, pursuant to W. Va. Code § 5A-3-63, it is prohibited from engaging in a boycott of Israel during the term of this contract.

**ADDITIONAL TERMS AND CONDITIONS
(Architectural and Engineering Contracts Only)**

1. PLAN AND DRAWING DISTRIBUTION: All plans and drawings must be completed and available for distribution at least five business days prior to a scheduled pre-bid meeting for the construction or other work related to the plans and drawings.

2. PROJECT ADDENDA REQUIREMENTS: The Architect/Engineer and/or Agency shall be required to abide by the following schedule in issuing construction project addenda. The Architect/Engineer shall prepare any addendum materials for which it is responsible, and a list of all vendors that have obtained drawings and specifications for the project. The Architect/Engineer shall then send a copy of the addendum materials and the list of vendors to the State Agency for which the contract is issued to allow the Agency to make any necessary modifications. The addendum and list shall then be forwarded to the Purchasing Division buyer by the Agency. The Purchasing Division buyer shall send the addendum to all interested vendors and, if necessary, extend the bid opening date. Any addendum should be received by the Purchasing Division at least fourteen (14) days prior to the bid opening date.

3. PRE-BID MEETING RESPONSIBILITIES: The Architect/Engineer shall be available to attend any pre-bid meeting for the construction or other work resulting from the plans, drawings, or specifications prepared by the Architect/Engineer.

4. AIA DOCUMENTS: All construction contracts that will be completed in conjunction with architectural services procured under Chapter 5G of the West Virginia Code will be governed by the attached AIA documents, as amended by the Supplementary Conditions for the State of West Virginia, in addition to the terms and conditions contained herein. The terms and conditions of this document shall prevail over anything contained in the AIA Documents or the Supplementary Conditions.

5. GREEN BUILDINGS MINIMUM ENERGY STANDARDS: In accordance with West Virginia Code § 22-29-4, all new building construction projects of public agencies that have not entered the schematic design phase prior to July 1, 2012, or any building construction project receiving state grant funds and appropriations, including public schools, that have not entered the schematic design phase prior to July 1, 2012, shall be designed and constructed complying with the ICC International Energy Conservation Code, adopted by the State Fire Commission, and the ANSI/ASHRAE/IESNA Standard 90.1-2007: Provided, That if any construction project has a commitment of federal funds to pay for a portion of such project, this provision shall only apply to the extent such standards are consistent with the federal standards.

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

(Printed Name and Title) _____

(Address) _____

(Phone Number) / (Fax Number) _____

(email address) _____

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

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

(Company)

David H. Datz

(Signature of Authorized Representative)

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

(Phone Number) (Fax Number)

(Email Address)

ADDENDUM ACKNOWLEDGEMENT FORM
SOLICITATION NO.:

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

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

Addendum Numbers Received:

(Check the box next to each addendum received)

- | | |
|-----------------------------------------|------------------------------------------|
| <input type="checkbox"/> Addendum No. 1 | <input type="checkbox"/> Addendum No. 6 |
| <input type="checkbox"/> Addendum No. 2 | <input type="checkbox"/> Addendum No. 7 |
| <input type="checkbox"/> Addendum No. 3 | <input type="checkbox"/> Addendum No. 8 |
| <input type="checkbox"/> Addendum No. 4 | <input type="checkbox"/> Addendum No. 9 |
| <input type="checkbox"/> Addendum No. 5 | <input type="checkbox"/> Addendum No. 10 |

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

Company

David H. Datz

Authorized Signature

Date

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

Expression of Interest
AML-EOI Prequalification for Consultants
Solicitation No – CEOI 0313 DEP2600000001
Statewide AML

This Expression of Interest describes the Palmer Engineering Team's qualifications to provide professional services for the West Virginia Department of Environmental Protection, Division of Land Restoration, Office of Abandoned Mine Lands and Reclamation (WVDEP-DLR-AML). Palmer Engineering has past experience providing AML plans and specifications for the Kentucky Energy and Environmental Cabinet, and has employees that have produced AML plans and specifications for the WVDEP. Our subconsultants (**Terradon Corporation & Carpenter Marty Transportation**) will provide additional resources and expertise in tasks such as Geotechnical Engineering, Construction Inspection and other areas to our team to meet any schedule requested by the WVDEP. Responses to items identified in the advertisement are provided below:

- The West Virginia Department of Environmental Protection AML Consultant Qualification Questionnaire (**CCQ-Attachment A**)
- AML and Related Project Experience Matrix (**Attachment B**)
- Resumes of key team members (**Attachment C**)
- Descriptions of similar projects (**Attachment D**)
- List of Equipment and Software (**Attachment E**)
- Business documents (**Attachment F**)
 - Registration with the WV Secretary of State Business & Licensing,
 - WV Certificate of Authorization for Engineering Services
 - WV Certificate of Authorization for Surveying.

PALMER ENGINEERING

Palmer Engineering Company, an ESOP Corporation incorporated on February 25, 1969, in Winchester, KY, is a civil/structural engineering and surveying consulting firm. The mission of Palmer Engineering is to continually earn clients' respect and trust by consistently delivering solutions-oriented, exemplary service in a responsive and financially-accountable manner. Palmer has successfully completed more than 3,500 infrastructure projects for more than 1,000 clients including federal, state, and local governments, as well as the private clients.

With headquarters in Winchester, KY, and 10 other offices--including Cincinnati, Columbus, and Medina, OH; Louisville, Fort Mitchell, and Lexington, KY; Nashville, TN; Orlando and Jacksonville, FL; and **Hurricane, WV**. The firm has 130 employees, including 47 Professional Engineers, 13 engineers in training, 9 Professional Land Surveyors, and 1 Land Surveyor in Training (LSIT). In addition to registered professionals in transportation engineering, traffic operations engineering, structural engineering and inspection, and land surveying, the firm has certified professionals in energy and environmental design, erosion control, and storm water quality available to provide the highest quality engineering services.

Palmer Engineering in the past has had several successful AML projects in the tri-state area and have employees with WVDEP AML experience in our Hurricane, WV office.

PROJECT MANAGER

The Person-in-Charge and the local contact for the Palmer Engineering Team will be **Chris Francis, PE (WV#17053)**. Chris has more than 23 years of experience in civil engineering design and project management for both private and State Agencies. Chris has managed over 50 projects for the state of West Virginia and has been a design engineer for countless others in his career.

Chris served as a Project Engineer for Palmer Engineering from 2001-2008, then served as the Branch Manager for the Hurricane Office from 2008-2012. From 2012-2014 Chris worked for a consultant whose primary client was WVAW, designing new waterlines, pump stations, performing site assessments and other critical water needs. In the fall of 2014, Chris was hired by the WVDOH where he was a Project Manager for Engineering Division until he was hired in 2018 to serve as the Branch Manager for Palmer's Hurricane, WV office. Chris's experience gives him a unique understanding of operations at state agencies, which he will use to make sure that any AML projects awarded to Palmer Engineering is completed efficiently, on time, under budget, and meet WVDEP standards.

PRINCIPAL IN-CHARGE

The Principal-in-Charge for Palmer Engineering in WV is **David Deitz, PhD, PE (WV #14689), SE**. David has more than 25 years of experience and expertise in WV and will assist Chris with the management of the project to ensure that it is in accordance with WVDEP policies and procedures and also on time and within budget.

Chris and David have worked together on a multitude of successful projects for over 16 years.

SPECIALIZED EXPERIENCE

Resumes for Chris Francis and the key personnel who will be working with him for the Palmer Engineering Team are included in **Attachment C** of this submittal. Assisting David Deitz with Principal In-Charge duties will be Brian Ward, PE and Stephanie Blain, PE, LEED AP. Both Brian and Stephanie have worked on a number of projects with AML related design experience ranging from water, sewer, reclamation, site assessment, grant applications, specifications, stream rehabilitation and other design aspects that can be associated with AML work.

In 2019, **Jason Green** joined the Palmer Engineering Team as a Technician II in the Hurricane, WV office. Jason brings over 25 years of experience as well as being a former Regional Utility Coordinator for the West Virginia Department of Transportation, Division of Highways. During his time with the WVDOH, Jason managed utility projects in Districts 1, 2, 4, 5, 9, and 10. Before joining Palmer Engineering, **Jason worked for a consulting firm where he worked on over a dozen project for WVDEP AML program.** Those projects varied in size, scope and complexity.

Most recently, Palmer Engineering has hired **Kimbra Taylor, EI** to work in our Hurricane, WV office. Kimbra has a vast array of projects she has worked on including projects for WVDOH, WVDEP, as well as various WV cities and counties.

James Mayo, PLS (WV #2090), with 43 years of experience, will oversee any surveying work needed by the WVDOH for this project. Palmer Engineering's survey department has completed 10 topographic surveys for the WVDOH in the past 7 years. Four (4) in McDowell County, 2 in Mercer County, 1 Pendleton County, 1 Raleigh County, 1 Cabell County, 1 Lincoln County. Palmer Engineering has 3 surveying crews to cover the entire state to ensure project schedules are met.

Palmer Engineering maintains a strong in-house Environmental Staff that can handle NEPA documentation including 4(f), 6(f), and environmental Justice Issues. Our Historian has 21 years of experience in architectural cultural resource assessments and has experience working in nonprofit, governmental and private sectors.

PAST PERFORMANCE ON GOVERNMENT CONTRACTS

The Palmer Team has a proven record of delivering quality design projects and specifications in accordance with the budget and schedule identified by our clients. Information about successful projects is presented in the project profiles (**Attachment D**), including sufficient information on how each project meets the requirements of the work to be performed under this contract. Palmer Engineering has averaged an evaluation rating of 95.2 for the projects that have been scored by state agencies in recent years.

COMMUNICATION AND PROJECT TRACKING

Chris Francis, Jason Green, and Kimbra Taylor will complete the majority of this work from Palmer's Hurricane, WV office, with support from Terradon Corporation, Carpenter Marty Transportation, and our office in Winchester, KY. All drawings and project specific documents are maintained and accessed via Projectwise. This data can be accessed by all of Palmer Engineering's employees and Team members to ensure that work can be shared and tracked to keep a project on schedule. With Chris's experience managing over 50 projects while working for the State of West Virginia, rest assured that any project will be completed as efficiently as possible, with communication being the key to success. With our location being within 30 minutes of the WVDEP's office in Kanawha City, our team will be able to meet with WVDEP personnel with ease.

Palmer Engineering maintains cost accounting systems capable of segregating and identifying accumulating costs for each job. Monthly project tracking is recorded to verify that the accounting staff and project management staff are in agreement when it comes time for invoicing clients.

Attachment A--CQQ

WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION

AML CONSULTANT QUALIFICATION QUESTIONNAIRE

Attachment "A"

PROJECT NAME AML-EOI Pre-Qualification for Consultants	DATE (DAY, MONTH, YEAR) 08,20, 2025	FEIN 61-0679012
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1. FIRM NAME Palmer Engineering Company	2. HOME OFFICE BUSINESS ADDRESS 400 Shoppers Drive, PO Box 747 Winchester, KY 40392	3. FORMER FIRM NAME NA
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4. HOME OFFICE TELEPHONE 859-744-1218	5. ESTABLISHED (YEAR) 1969	6. TYPE OWNERSHIP Individual (X) Corporation Partnership Joint-Venture	6a. WV REGISTERED DBE (Disadvantaged Business Enterprise) YES (X) NO
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7. PRIMARY AML DESIGN OFFICE: ADDRESS/ TELEPHONE/ PERSON IN CHARGE/ NO. AML DESIGN PERSONNEL EACH OFFICE
3058 Mount Vernon Road, Suite 5, Hurricane WV 25526 / 681-235-7305 / Chris Francis, PE / 5

8. NAMES OF PRINCIPAL OFFICERS OR MEMBERS OF FIRM Stephen Sewell, President David Lindeman, Vice President Brad Robson, Vice President David Deitz, Vice President Brian Lee, Vice President Brian Ward, Vice President Stephanie Blain, Vice President Will Conkin, Vice President	8a. NAME, TITLE, & TELEPHONE NUMBER - OTHER PRINCIPALS 859-744-1218 859-744-1218 859-744-1218 859-744-1218 615-297-8957 859-744-1218 859-389-9293 859-344-6100
-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

9. PERSONNEL BY DISCIPLINE	<u>1</u> ECOLOGISTS — ECONOMISTS <u>3</u> ELECTRICAL ENGINEERS <u>3</u> ENVIRONMENTALISTS — ESTIMATORS <u>2</u> GEOLOGISTS <u>1</u> HISTORIANS <u>1</u> HYDROLOGISTS	<u>1</u> LANDSCAPE ARCHITECTS — MECHANICAL ENGINEERS — MINING ENGINEERS — PHOTOGRAMMETRISTS — PLANNERS: URBAN/REGIONAL <u>1</u> SANITARY ENGINEERS — SOILS ENGINEERS — SPECIFICATION WRITERS	<u>18</u> STRUCTURAL ENGINEERS <u>6</u> SURVEYORS <u>4</u> TRAFFIC ENGINEERS <u>2</u> OTHER <u>124</u> TOTAL PERSONNEL
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TOTAL NUMBER OF WV REGISTERED PROFESSIONAL ENGINEERS IN PRIMARY OFFICE: 1

***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? YES NO

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

NAME AND ADDRESS: Terradon Corporation 409 Jacobson Drive Poca, WV 25159	SPECIALTY: Geotechnical Engineering, Construction Inspection	WORKED WITH BEFORE <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
NAME AND ADDRESS: Carpenter Marty Transportation 818 Quarrier Street Charleston, WV 25301	SPECIALTY: Sediment & Erosion Control, Permitting	WORKED WITH BEFORE <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
NAME AND ADDRESS:	SPECIALTY:	WORKED WITH BEFORE <input type="checkbox"/> Yes <input type="checkbox"/> No
NAME AND ADDRESS:	SPECIALTY:	WORKED WITH BEFORE <input type="checkbox"/> Yes <input type="checkbox"/> No
NAME AND ADDRESS:	SPECIALTY:	WORKED WITH BEFORE <input type="checkbox"/> Yes <input type="checkbox"/> No
NAME AND ADDRESS:	SPECIALTY:	WORKED WITH BEFORE <input type="checkbox"/> Yes <input type="checkbox"/> No
NAME AND ADDRESS:	SPECIALTY:	WORKED WITH BEFORE <input type="checkbox"/> Yes <input type="checkbox"/> No
NAME AND ADDRESS:	SPECIALTY:	WORKED WITH BEFORE <input type="checkbox"/> Yes <input type="checkbox"/> No
NAME AND ADDRESS:	SPECIALTY:	WORKED WITH BEFORE <input type="checkbox"/> Yes <input type="checkbox"/> No

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

YES Description and Number of Projects: _____

Personnel experience with both WVDEP (17) and KYEEC (7) AML projects. See Attachment B for list of projects

NO

B. Is your firm experienced in Soil Analysis?

YES Description and Number of Projects: _____

NO **Our Team member Terradon Corporation will handle Geotechnical Engineering**

C. Is your firm experienced in hydrology and hydraulics?

YES Description and Number of Projects: **1000's of hydrological and hydraulic analysis for both State Agencies and private clients**

NO

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

YES Description and Number of Projects: **Through the use of Lidar Drones for both public and private clients**

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: _____

100's of projects providing clean drinking water to areas in the tri-state area

NO

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

YES Description and Number of Projects: _____

X NO

G. Is your firm experienced in construction oversight?

X YES Description and Number of Projects:

Toyota Solar Field Construction, Fiber Optic Line Installation, Huntington WV, AEP Soil Nail Wall

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:
Sewell, Stephen	0	24	0

Brief Explanation of Responsibilities
President and CEO of Palmer Engineering.

EDUCATION (Degree, Year, Specialization)
 BS, 1999, Civil Engineering

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS NSPE, KSPE, ACEC, ASCE	REGISTRATION (Type, Year, State) PE, 2004, KY PTOE, 2007, National PE, 5 other states
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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:
Lindeman, David M.	3	39	4

Brief Explanation of Responsibilities
Vice President of Palmer Engineering responsible for Palmer Engineering's Transportation Group

EDUCATION (Degree, Year, Specialization)
 BS, 1986, Civil Engineering

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS NSPE, KSPE, ACEC, ASCE	REGISTRATION (Type, Year, State) PE, 1997, WV PLS, 1995, KY PE, 13 other states
--------------------------------------------------------------------	------------------------------------------------------------------------------------

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:
Deitz, David, H.	0	29	0

Brief Explanation of Responsibilities
Vice President and Principal in Charge of Palmer Engineering's West Virginia Office. In-charge of Palmer Engineering's Structures Group

EDUCATION (Degree, Year, Specialization)
 PHD, 1998, Civil Engineering MS, 1995, Civil Engineering BS, 1992, Civil Engineering

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS	REGISTRATION (Type, Year, State)
NSPE, KSPE, ASCE	PE, 2000, WV SE, 2001, KY PE, 6 OTHER STATES

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:
Robson, Brad N.	0	35	0

Brief Explanation of Responsibilities
Vice President and Secretary of Palmer Engineering. Principal in-charge of Palmer Engineering's Florida Offices

EDUCATION (Degree, Year, Specialization)
 PHD, 1997, Civil Engineering - Structural MS, 1990, Civil Engineering - Structural BS, 1988, Civil Engineering

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS	REGISTRATION (Type, Year, State)
ASCE, KSPE, ACI	PE, 1998, WV SE, 1997, KY, SE, 2001, IL PE, 11 Other States

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:
Ward, G. Brian	20	29	29

Brief Explanation of Responsibilities

Vice President incharge of Palmer Engineering's Civil/Site Development Group

EDUCATION (Degree, Year, Specialization)

BS, 1997, Civil Engineering BS, 1995, Physics/Mathematics

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS	REGISTRATION (Type, Year, State)
IECA, NSPE, TSPE, ASHE, ASCE, SAME	PE, 2001, TN PE, 1 OTHER STATES

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:
Lee, Brian J.	0	28	0

Brief Explanation of Responsibilities

Vice President incharge of Palmer Engineering's Tennessee Transportation Goup

EDUCATION (Degree, Year, Specialization)

BS, 1997, Civil Engineering

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS	REGISTRATION (Type, Year, State)
ASCE, KSPE, NSPE, SWE, KSA, SPE	PE, 2011, KY LEED AP, 2009, National PE, 2 other States

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:
Blain, Stephanie	0	19	19

Brief Explanation of Responsibilities
Vice President of Palmer Engineering. Responsible for Palmer Engineering's Civil/Site Design

EDUCATION (Degree, Year, Specialization)
 BS, 2007, Civil Engineering

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS	REGISTRATION (Type, Year, State)
ASCE, KSPE, NSPE, SWE, KSA, SPE	PE, 2011, KY LEED AP, 2009 PE, 2 OTHER STATES

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:
Conkin, William G.	0	20	0

Brief Explanation of Responsibilities
Vice President of Palmer Engineering. Manager of Palmer Engineering's Northern Kentucky Office

EDUCATION (Degree, Year, Specialization)
 MS, 2004, Civil Engineering BS, 2003, Civil Engineering

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS	REGISTRATION (Type, Year, State)
NSPE, KSPE, SPE	PE, 2008, KY PTOE, 2011, National PE, 1 other States

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

SEE ATTACHMENT E FOR SURVEYING EQUIPMENT, COMPUTER EQUIPMENT, AND SOFTWARE.

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
Coalwood Bridge, Bridge Replacement, McDowell County, WV	WVDOH - District 10	Design Consultant	TBD	13%
East End Culvert, Culvert Replacement, Mercer County, WV	WVDOH - Engineering Division, Charleston, WV	Design Consultant	\$3,220,000	60%
Second Creek Bridge, Bridge Rehabilitation Monroe County, WV	WVDOH - District 9	Design Consultant	\$1,686,000	55%
District 1 Roadway Departure, Putnam, Kanawha, Mason, Boone Counties, WV	WVDOH - Engineering Division, Charleston, WV	Design Consultant	TBD	99%
US Army SP 4 Darrell Gregory Triplett Memorial Bridge, Bridge Replacement, Lincoln County, WV	WVDOH - District 2	Design Consultant	\$2,887,000	99%
12th Street Bridge, Bridge Replacement, Cabell County, WV	WVDOH - Engineering Division, Charleston, WV	Design Consultant	\$3,134,000	99%
Grassy Branch Bridge, Bridge Rehabilitation, Mercer County, WV	WVDOH - District 10	Design Consultant	\$1,271,000	99%
TOTAL NUMBER OF PROJECTS:			TOTAL ESTIMATED CONSTRUCTION COSTS: \$	
7			\$9,3000,000+	

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)
Glen Morgan Arch Bridge, Bridge Replacement, Mercer County, WV	WVDOH - District 10	\$4,028,000	2024	NO
Hillsdale Subdivision, Drainage, Putnam County, WV	Hillsdale Subdivision Scott Depot, WV	\$46,300	2020	NO

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

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: David H. Deitz Title: Vice President Date: August 18, 2025

Printed Name: David H. Deitz

**WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION
AML CONSULTANT QUALIFICATION QUESTIONNAIRE**

Attachment ``A``

PROJECT NAME AML EOI Prequalification's for Consultants		DATE (DAY, MONTH, YEAR) 08/15/2025	FEIN 55-0687626																																				
1. FIRM NAME TERRADON Corporation		2. HOME OFFICE BUSINESS ADDRESS 409 Jacobson Drive, Poca, WV 25159	3. FORMER FIRM NAME N/A																																				
4. HOME OFFICE TELEPHONE 304-755-8291	5. ESTABLISHED (YEAR) 1989	6. TYPE OWNERSHIP Individual X - Corporation Partnership Joint-Venture	6a. WV REGISTERED DBE (Disadvantaged Business Enterprise) YES X - NO																																				
7. PRIMARY AML DESIGN OFFICE: ADDRESS/ TELEPHONE/ PERSON IN CHARGE/ NO. AML DESIGN PERSONNEL EACH OFFICE 409 Jacobson Drive, Poca, WV 25159 / 304-755-8291 / Tom Kittredge, Owner / 87 Personnel (50+ AML/Project Specific Design)																																							
8. NAMES OF PRINCIPAL OFFICERS OR MEMBERS OF FIRM Virginia King: Shareholder, Director, CEO & Secretary Ashley Lioi, PE: Shareholder, Director, PE of Record & Treasurer Amelia Randolph: Shareholder, Director, & Asst. Secretary Tom Kittredge: Shareholder, Director, & Vice President		8a. NAME, TITLE, & TELEPHONE NUMBER - OTHER PRINCIPALS Will Thornton, PE, PS - VP Engineering Jason Asbury, TRECNO, CESSWI - VP Field Services Matt Glaspey, CCM, ENV SP - VP Environmental Robert Thaw, PS - VP Survey Greg Fox, RLA - VP Land Development Ryan Wheeler - VP Business Development																																					
9. PERSONNEL BY DISCIPLINE																																							
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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 Qualification Questionnaire".

NAME AND ADDRESS: DL Martin P.O. Box 494 Scott Depot, WV 25560	SPECIALTY: Drilling Operations	WORKED WITH BEFORE <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
NAME AND ADDRESS: Tuck Mapping Solutions 4632 Aerial Way Big Stone Gap, VA 24219	SPECIALTY: Aerial Photography	WORKED WITH BEFORE <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
NAME AND ADDRESS:	SPECIALTY:	WORKED WITH BEFORE <input type="checkbox"/> Yes <input type="checkbox"/> No
NAME AND ADDRESS:	SPECIALTY:	WORKED WITH BEFORE <input type="checkbox"/> Yes <input type="checkbox"/> No
NAME AND ADDRESS:	SPECIALTY:	WORKED WITH BEFORE <input type="checkbox"/> Yes <input type="checkbox"/> No
NAME AND ADDRESS:	SPECIALTY:	WORKED WITH BEFORE <input type="checkbox"/> Yes <input type="checkbox"/> No
NAME AND ADDRESS:	SPECIALTY:	WORKED WITH BEFORE <input type="checkbox"/> Yes <input type="checkbox"/> No
NAME AND ADDRESS:	SPECIALTY:	WORKED WITH BEFORE <input type="checkbox"/> Yes <input type="checkbox"/> No
NAME AND ADDRESS:	SPECIALTY:	WORKED WITH BEFORE <input type="checkbox"/> Yes <input type="checkbox"/> No

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

YES Description and Number of Projects: +50 Projects for WVDEP/AML&R

NO

B. Is your firm experienced in Soil Analysis?

YES Description and Number of Projects:

+25 WVDEP/AML&R projects included some soil analysis. TERRADON provides geotechnical engineering on a wide variety of projects including slip repairs, roadway and highway projects, bridges and structural projects, etc.

NO

C. Is your firm experienced in hydrology and hydraulics?

YES Description and Number of Projects:

+25 WVDEP/AML&R projects included hydrology and hydraulics. Additionally, TERRADON has completed various roadway and highway projects with hydrology and hydraulic studies completed.

NO

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

YES Description and Number of Projects:

NO

TERRADON routinely provides photo control surveys and field edits the mapping provided. TERRADON does utilize subcontractor services for aerial photography when needed (Tuck Mapping).

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:

+10 WVDEP/AML&R projects included the evaluation of aquifer degradation as a result of mining. TERRADON has also designed hundreds of miles of waterline for various projects, including projects for WV American Water, throughout West Virginia.

NO

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

YES Description and Number of Projects:

+5 WVDEP/AML&R projects included acid mine drainage evaluation and abatement. Additionally, TERRADON was one of only two firms evaluating and designing AMD abatement of special reclamation projects in the 1990's.

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:
Will Thornton, PE, PS	13	13	5

Brief Explanation of Responsibilities

Will Thornton is the Vice President of Civil Engineering services at TERRADON. With more than 35 years' experience on various civil engineering projects including waterline design, utility design, slip repair design, AML design, stormwater design, and more.

EDUCATION (Degree, Year, Specialization)
 B.S. Civil Engineering, 1989

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS	REGISTRATION (Type, Year, State)
	WV Professional Engineer, 1994 WV Professional Surveyor, 1996

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:
Andrew Wagner, PE	7	7	0

Brief Explanation of Responsibilities

Andrew Wagner is an Project Engineer (PE) at TERRADON with more than 7 years' experience in construction and design engineering. Wagner's background in Mining Engineering has lending design expertise for various slip repair, AML, and transportation projects throughout West Virginia.

EDUCATION (Degree, Year, Specialization)
 B.S. Civil Engineering, 1998

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS	REGISTRATION (Type, Year, State)
	WV Professional Engineer

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:
Joe Carte, PE	41	41	20

Brief Explanation of Responsibilities

Joe Carte is a Senior Geotechnical Project Manager for TERRADON. Carte is responsible for the project management, design review, construction drawings and specifications, constructability review, etc. on various geotechnical design projects including AML design, slip repair design, and more.

EDUCATION (Degree, Year, Specialization)
B.S. Mining Engineering, 1982

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS	REGISTRATION (Type, Year, State) Registered Professional Engineer: WV (1993), OH (1995), KY (1995), VA (2022)
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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:
Nick Anderson, EI	2	2	0

Brief Explanation of Responsibilities

Nick Anderson is an Engineer Designer (EIT) at TERRADON with more than 2 years' experience in construction and design engineering. Anderson's background in Civil Engineering has lending design expertise for various slip repair, AML, and transportation projects throughout West Virginia.

EDUCATION (Degree, Year, Specialization)
B.S. Civil Engineering, WV Institute of Technology, 2023

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS	REGISTRATION (Type, Year, State) Engineer in Training (EIT), 2025
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14. PROVIDE A LIST OF SOFTWARE AND EQUIPMENT AVAILABLE IN THE PRIMARY OFFICE WHICH WILL BE USED TO COMPLETE AML DESIGN SERVICES

Software

Autodesk Civil 3D 2020

SedCad 4 - Erosion Control and Hydrology Software

Haested Method Flowmaster Software for Channel Design

Haested Methods - Water CADD (Pipe Network Analysis)

Slope Stability -

PC Stable

REAME

SBSLOPE

WinStable and WinStable 2003

Piling Walls, Anchors and Reinforced Earth Walls -

Lpile

HeliCAP

Anchor 400

KeyWall 2004

TR 55, TR 20, TR 66 (Sites) - Hydrology

Hec-1, Hec HMS 2.22, Hec R As 3.1.2 - Hydrology

LC 58 + RP 61 - Structural (wall)

Microstation V8

Surveying Equipment

Trimble 4700 modular, RTK Global Positioning Total Station

Trimble Geomatics Office Software

Topcon Total Stations (3)

SMI Data Collectors (3)

Printing/Plotting/Reproduction

HP DesignJet +1600 Plotter

HP DesignJet 759C Plotter

HP LaserJet 8000 Printer (2)

HP Color LaserJet 3700

Sharp AR-550 Copier/Printer (2)

Sharp AR-C150 Full Color Copier/Printer

Océ 7056 Engineering Size Copier

** Only shows ongoing AML projects. A complete list of ongoing projects in other specialties can be provided upon request.

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
		Engineering Design	\$	%

TOTAL NUMBER OF PROJECTS :

TOTAL ESTIMATED CONSTRUCTION COSTS: \$

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

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.

TERRADON has extensive experience in both wet and dry mine seals, with or without bat gates. Our experience with Stonecoal creek had over two dozen mine-seals. In addition, we have done regrading on numerous other refuse piles and highwalls including Jenkin Jones, Micajah, Linger, Camp Mahonegan, Cedar Creek, and Tupper's Creek and Gerath Landslides. Additionally, the TERRADON team has provided design services for landslide repairs on more than 600 combined projects throughout West Virginia.

20. The foregoing is a statement of facts.

Signature: Will Thornton Title: VP Engineering
 Printed Name: Will Thornton, PE, PS

Date: 08/14/2025

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 19, 2025	FEIN 46-0918246
-------------------------------------------------------------	--------------------------------------------	--------------------

1. FIRM NAME Carpenter Marty Transportation Inc.	2. HOME OFFICE BUSINESS ADDRESS 6612 Singletree Drive, Columbus, Ohio 43229	3. FORMER FIRM NAME
-----------------------------------------------------	--------------------------------------------------------------------------------	---------------------

4. HOME OFFICE TELEPHONE 614.656.2424	5. ESTABLISHED (YEAR) 2012	6. TYPE OWNERSHIP Individual x Corporation Partnership Joint-Venture	6a. WV REGISTERED DBE (Disadvantaged Business Enterprise) YES X NO
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7. PRIMARY AML DESIGN OFFICE: ADDRESS/ TELEPHONE/ PERSON IN CHARGE/ NO. AML DESIGN PERSONNEL EACH OFFICE
818 Quarrier Street, Charleston, West Virginia 25301 / 304.989.3680 / Ali Sadeghian, PE / 3

8. NAMES OF PRINCIPAL OFFICERS OR MEMBERS OF FIRM Kevin Carpenter & William Marty	8a. NAME, TITLE, & TELEPHONE NUMBER - OTHER PRINCIPALS
--------------------------------------------------------------------------------------	--------------------------------------------------------

9. PERSONNEL BY DISCIPLINE

— ADMINISTRATIVE — ARCHITECTS — BIOLOGIST — CADD OPERATORS — CHEMICAL ENGINEERS x CIVIL ENGINEERS — CONSTRUCTION INSPECTORS x DESIGNERS x DRAFTSMEN	— ECOLOGISTS — ECONOMISTS — ELECTRICAL ENGINEERS — ENVIRONMENTALISTS x ESTIMATORS — GEOLOGISTS — HISTORIANS — HYDROLOGISTS	— LANDSCAPE ARCHITECTS — MECHANICAL ENGINEERS — MINING ENGINEERS — PHOTOGRAMMETRISTS x PLANNERS: URBAN/REGIONAL — SANITARY ENGINEERS — SOILS ENGINEERS — SPECIFICATION WRITERS	x STRUCTURAL ENGINEERS — SURVEYORS x TRAFFIC ENGINEERS — OTHER 54 — TOTAL PERSONNEL
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TOTAL NUMBER OF WV REGISTERED PROFESSIONAL ENGINEERS IN PRIMARY OFFICE: 2

***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? YES NO

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

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

YES Description and Number of 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: Our firm has extensive experience in hydrology and hydraulics, with specialized expertise in watershed analysis, stormwater modeling, and hydraulic structure design. We utilize advanced modeling software such as HEC-HMS, HEC-RAS, and SWMM to perform hydrologic and hydraulic evaluations for roadway drainage, bridge and culvert sizing, detention/retention facilities, and floodplain studies. Our engineers are skilled in applying state and federal design standards, developing accurate hydraulic models, and preparing technical reports to support permitting and regulatory compliance. 10 Projects

NO

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

YES Description and Number of Projects: Our firm has the capability to produce aerial photography using unmanned aerial systems operated by two FAA Part 107 licensed drone pilots. Our engineering staff processes this data in-house to develop accurate digital terrain models and contour mapping using industry-standard platforms such as OpenRoads Designer, Civil 3D, and ArcGIS. 7 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: _____

NO

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

YES Description and Number of Projects: _____

NO

G. Is your firm experienced in construction oversight?

YES Description and Number of Projects: _____

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:
Sadeghian, Ali A.	0	0	0

Brief Explanation of Responsibilities
 Ali Sadeghian manages all operations in CM's West Virginia office. Throughout his career, he has worked on the design and management of various projects varying between roadway, bridge, traffic, and lighting projects. As the project manager, Ali will review and assist with the design work, as well as evaluate and process invoices throughout the duration of the project. Ali will also be a key player in coordinating project meetings with the client's internal unit during the design and construction, including coordination with outside agencies, ensuring seamless communication with all project team members, stakeholders, and the client. Ali also takes part in all public involvement meetings, scope, and fee proposal development.

EDUCATION (Degree, Year, Specialization)
 BS Civil Engineering, Oklahoma State University 1984 & MS Civil Engineering, University of Kentucky 1988

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS	REGISTRATION (Type, Year, State)
American Council of Engineering Companies	PE, 1997, 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:
Park, Patrick C.	0	0	0

Brief Explanation of Responsibilities
 Patrick Park has 25 years of experience and has been with the CM team for over 5 years. He manages CM's roadway production in West Virginia and is an expert in roadway, drainage, and right-of-way designs. His software knowledge includes MicroStation, BlueBeam, OpenRoads Designer, AutoTurn, GuideSign, HEC-RAS and TR55. He has completed more than 75 roadway projects including large new roadway alignments, interchange rehabilitations, bridge replacements as well as design-build projects and pedestrian pathways. Patrick's project responsibilities include geometric layouts, minor and major drainage, quantity calculations, signing and marking, MOT, cost estimates, right-of-way plans, cross sections, intersection details, ADA compliance, and superelevation. His project experience includes both public and private projects for state departments of transportation, contractors, and utility companies.

EDUCATION (Degree, Year, Specialization)
 BS Civil Engineering, West Virginia Institute of Technology 1998 & MS Civil Engineering, Marshall University 2007

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS	REGISTRATION (Type, Year, State)
American Council of Engineering Companies	PE, 2003, 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:
Grieshop, Tony W.	0	0	0

Brief Explanation of Responsibilities
 Tony Grieshop specializes in roadway design, preliminary engineering, and concept design. He is ODOT prequalified in Non-Complex and Complex Roadway Design, Limited and Complex Right-of-Way Plan Development, and Bicycle Facilities and Enhancement Design. Throughout his career he has completed over 200 roadway design projects with counties, municipalities, and state departments of transportation. Tony is responsible for the design of the typical sections, roadway geometrics, maintenance of traffic, BMPs, grading plans, intersection details and design, cost estimating, and right-of-way plan development. He works on a variety of projects including resurfacing, pedestrian/bicycle improvements, sidewalk and trail design, approach work for bridge replacements and rehabilitations, new alignments, rural and urban freeways, roundabouts, roadway reconstruction, roadway widenings, and interchange modifications. Working on such a vast number of projects throughout his career allows him to stay abreast on changes to state standards and design criteria. Tony is knowledgeable in MicroStation, OpenRoads, Transportation Information Mapping Systems (TIMS), AutoTURN, Torus, GuideSign, and AutoCAD.

EDUCATION (Degree, Year, Specialization)
 BS Civil Engineering, The Ohio State University 2001

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS	REGISTRATION (Type, Year, State)
	PE, 2005, Ohio PS, 2010, Ohio

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:
Johnson, Greg D.	0	0	0

Brief Explanation of Responsibilities
 Greg Johnson oversees project specific structural design and production. During his career, he has designed over 250 bridge designs and rehabilitation projects. He is thoroughly familiar with bridge software including, but not limited to, MicroStation, OpenBridge Designer, and MERLIN-DASH. Greg specializes in complex geometry and unique design aspects, such as curved beams, high skew, variable widths as well as incorporating aesthetics into bridge design. Throughout his career, Greg has worked on multiple types of bridges ranging from steel beams and girders, prestressed I-beams and box beams, culverts, concrete arches, and pedestrian bridges. He has a vast knowledge of existing plan sets that help improve efficiency in design, constructability reviews, structure type studies, and cost estimates. Greg is well versed in hydraulic design within FEMA regulated zones, scour analyses and countermeasures, and sizing new structures to meet hydraulic requirements. He has completed extensive floodplain management training and knows the steps required for the design of projects within a FEMA designated flood zone. He has evaluated, assessed, and documented various flood events utilizing HEC-RAS for multiple proposed and existing structures along with developing the corresponding hydraulic reports.

EDUCATION (Degree, Year, Specialization)
 BS Civil Engineering, Ohio University 1997

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS	REGISTRATION (Type, Year, State)
Association for Bridge and Construction Design	PE, 2002, Ohio

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

Office Technology

Primary Server system (Windows Server 2019)

Backup Server system with full recovery option

Windows 10 Professional

Windows 11 Professional

Sophos Antivirus

Microsoft Office Suite 365 (Outlook, Excel, Word, PowerPoint, Teams, etc.)

Microsoft Project

Adobe Creative Suite (Photoshop, InDesign, Acrobat, Illustrator, etc.)

MicroStation CONNECT Edition

OpenRoads Designer CONNECT Edition

AutoTable for MicroStation CONNECT

AutoCAD

Civil 3D

Remote Access

Bluebeam Revu 21

Reproduction Printers

Large Format Scanner

Roadway/Traffic Technology

OpenRoads ConceptStation CONNECT Edition

HY-8

ODOT CDSS

SignCAD 10

GuideSIGN 2024

AutoTURN 2024

TORUS 2025

HCS 2022

Synchro 11 with SimTraffic

PTV Visum 16

SIDRA Intersection 9

TransModeler

PondPack CONNECT Edition

Jamar Tech Turning Movement Counters

Jamar RACPro, TraxPro, & PETRA

Laser Atlanta Speed Laser Gun

Miovision Scout Traffic Cameras (6)

Digital Courthouse

Fulcrum

VisualLighting

Bridge Software

Bentley OpenBridge Designer

MERLIN-DASH

ABLRFD v1.18.0.0 (PennDOT)

Engineering Assistant v2.4.0.9 (PennDOT)

Bentley LARS Bridge

MDX

BRASS Culvert (WYDOT)

HEC-RAS

Hydraulic Toolbox (FHWA)

CRSI Slab Bridge

AASHTOWare Bridge Rating (BrR)

Civil Tech Shoring Suite

Aquave Surface Water Modeling System (SMS)

ASDIP RETAIN

Sketch Up Pro

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
Coon Branch Bridge Bridge Replacement Wyoming County	WVDOH Engineering Division 1900 Kanawha Blvd. East Building 5 Charleston, WV 25305	Bridge replacement & site grading	Underway	25%
Newmans Branch Road Roadway Improvement Cabell County	WVDOH Engineering Division 1900 Kanawha Blvd. East Building 5 Charleston, WV 25305	Roadway widening	Underway	25%
Buskirk Road Slide Repair Logan County	WVDOH Engineering Division 1900 Kanawha Blvd. East Building 5 Charleston, WV 25305	Roadway slide	Underway	0%
Avondale Bridge Bridge Replacement McDowell County	WVDOH Engineering Division 1900 Kanawha Blvd. East Building 5 Charleston, WV 25305	Bridge replacement & site grading	2.5 million	99%
Underwood Bridge Bridge Replacement Tyler County	WVDOH Engineering Division 1900 Kanawha Blvd. East Building 5 Charleston, WV 25305	Bridge replacement & site grading	\$2.4 million	99%
Hope Street Bridge Bridge Replacement Harrison County	WVDOH Engineering Division 1900 Kanawha Blvd. East Building 5 Charleston, WV 25305	Bridge replacement & site grading	Underway	0%
US 119 Sign Sign Renovation Raileigh County	WVDOH Traffic Division 1900 Kanawha Blvd. East Building 5 Charleston, WV 25305	Sign renovation	\$8.7 million	99%
TOTAL NUMBER OF PROJECTS: 7			TOTAL ESTIMATED CONSTRUCTION COSTS: \$13.6 million	

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)
Jug Structure Earthen Dam Tyler County	WVDOH Engineering Division 1900 Kanawha Blvd. East Building 5 Charleston, WV 25305	\$1.7 million	2024	No
John O'Dell Linville Bridge Bridge Inspection Mingo County	WVDOH Engineering Division 1900 Kanawha Blvd. East Building 5 Charleston, WV 25305	\$2.4 million	2024	Yes
Piney Creek Bridge Bridge Replacement Raleigh County	WVDOH Engineering Division 1900 Kanawha Blvd. East Building 5 Charleston, WV 25305	\$3.3 million	2022	Yes
Landgraff Bridge Bridge Rehabilitation McDowell County	WVDOH Engineering Division 1900 Kanawha Blvd. East Building 5 Charleston, WV 25305	\$720,000	2021	Yes
Montcalm Bridge Bridge Rehabilitation Mercer County	WVDOH Engineering Division 1900 Kanawha Blvd. East Building 5 Charleston, WV 25305	\$2.0 million	2021	Yes
US 460 Sign Sign Renovation Mercer County	WVDOH Traffic Division 1900 Kanawha Blvd. East Building 5 Charleston, WV 25305	\$4.6 million	2020	Yes
Trout Run Bridge Bridge Replacement Pocahontas County	WVDOH Engineering Division 1900 Kanawha Blvd. East Building 5 Charleston, WV 25305	\$2.1 million	2020	Yes
Middle Fork Bridge Bridge Replacement Kanawha County	WVDOH Engineering Division 1900 Kanawha Blvd. East Building 5 Charleston, WV 25305	\$1.1 million	2021	Yes

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
Hal Greer Roadway Improvement Cabell County	WVDOH Engineering Division 1900 Kanawha Blvd. East Building 5 Charleston, WV 25305	\$800, 000	2023	Yes	Stantec
Route 10 Roadway Improvement Logan County	WVDOH Engineering Division 1900 Kanawha Blvd. East Building 5 Charleston, WV 25305	\$1.0 million	2020	Yes	EL Robinson

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.

Our firm possesses the technical expertise, proven project experience, and licensed professional staff necessary to successfully perform and deliver high-quality engineering work that meets client expectations and regulatory requirements.

21. The foregoing is a statement of facts.

Signature: Ali Sadeghian
 Printed Name: Ali Sadeghian

Title: Director of West Virginia Operations

Date: August 18, 2025

Attachment B--Project Table

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/Nitigation/ Replacement	Construction Inspection/Managem ent	Water Treatment	Active/Passive Water Treatment Systems	Equipment/Structure Removal	Stream Restoration	Geotechnical/Stability	Jason Green						
Amigo Portals	P				X															P					
Larry Fredrick Highwall & Refuse	P		X																	P					
Oldfiled Branch	P		X																	P					
Wheatly Branch Portals	P				X															P					
Cherokee Complex	P		X																	P					
Laurel Point Strip	P		X																	P					
Reynoldsville Refuse	P		X																	P					
Earling Refuse Pile	P		X																	P					
Greystone Mine Drainage	P					X														P					
Route 60 Drainage	P					X														P					
Heizer Creek Drainage	P					X														P					
Wolfpen Landslide	P																	X		P					
Eastern Wyoming County PSD Feasibility Study	P												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.

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/Nitigation/ Replacement	Construction Inspection/Managem ent	Water Treatment	Active/Passive Water Treatment Systems	Equipment/Structure Removal	Stream Restoration	Geotechnical/Stability	Jason Green	David Shain, PE, PLS	James Mayo, PLS					
Raleigh County PSD Feasibility Study	P												X							P						
Webster County Commission Diana Arewa Feasibility Study	P												X								P					
Erbacon CR 9 Webster County WL Feasibility Study	P												X								P					
Coalburg Water Study	P												X								P					
Robinson Slide Reclamation and Inspection KY Engery and Environmental Cabinet	C, P		X								X		X									P	P			
Bent Bridge Slide Reclamation KY Engery and Environmental Cabinet	C, P		X	X	X						X		X									P	P			
Canada II Portals KY Energy and Environmental Cabinet	C, P		X	X	X						X		X									P	P			
Quillen Fork II Reclamation KY Energy and Environmental Cabinet	C, P					X					X		X									P	P			
Meally/Van Lear II Reclamation KY Energy and Environmental	C,P		X	X	X	X					X											P	P			
Peter Branch Reclamation, KY Energy and Environmental Cabinet	C,P		X	X	X				X		X											P	P			
Preston Slide Reclamation, KY Energy and Environmental Cabinet	C,P		X	X	X						X											P	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.

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: Palmer Engineering Company
 Tax ID #: 610679012
 Address: 400 Shoppers Dr. P.O. Box 747
 City, State, & Zip: Winchester, KY 40392-0747
 Phone Number: 859-744-1218
 Email Address: palmer@palmernet.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, David H. Deitz, 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.

August 18, 2025

Date

David H. Deitz

Signature

Vice President

Title

Part D: OFT InformationContractor's Business Name: Palmer Engineering Company

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:	Stephen Sewell
Address:	400 Shoppers Dr. PO Box 747
City, State, Zip:	Winchester, KY, 40392-0747
Begin Date:	1999
End Date:	NA
% Ownership:	Less than 10%
Position/Title:	President & CEO
Phone Number:	859-744-1218

Name:	Bradley N. Robson
Address:	400 Shoppers Dr. PO Box 747
City, State, Zip:	Winchester, KY, 40392-0747
Begin Date:	1990
End Date:	NA
% Ownership:	Less than 10%
Position/Title:	VP/Secretary
Phone Number:	859-744-1218

Name:	David M. Lindeman
Address:	400 Shoppers Dr. PO Box 747
City, State, Zip:	Winchester, KY, 40392-0747
Begin Date:	1986
End Date:	NA
% Ownership:	Less than 10%
Position/Title:	VP
Phone Number:	859-744-1218

Name:	David Deitz
Address:	400 Shoppers Dr. PO Box 747
City, State, Zip:	Winchester, KY, 40392-0747
Begin Date:	1998
End Date:	NA
% Ownership:	Less than 10%
Position/Title:	VP
Phone Number:	859-744-1218

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: Palmer Engineering Company

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:	Brian Ward	
Address:	400 Shoppers Dr. PO Box 747	
City, State, Zip:	Winchester, KY, 40392-0747	
Begin Date:	1998	
End Date:	NA	
% Ownership:	Less than 10%	
Position/Title:	VP	
Phone Number:	859-744-1218	

Name:	Brian Lee	
Address:	2817 Erica Place, Suite 306	
City, State, Zip:	Nashville, Tn 37204	
Begin Date:	1997	
End Date:	NA	
% Ownership:	Less than 10%	
Position/Title:	VP	
Phone Number:	615-297-8957	

Name:	William Conkin	
Address:	224 Grandview Drive, Suite 100	
City, State, Zip:	Fort Mitchell, KY 41017	
Begin Date:	2005	
End Date:	NA	
% Ownership:	Less than 10%	
Position/Title:	VP	
Phone Number:	859-344-6100	

Name:	Stephanie Blain	
Address:	224 Grandview Drive, Suite 100	
City, State, Zip:	Fort Mitchell, KY 41017	
Begin Date:	2006	
End Date:	NA	
% Ownership:	Less than 10%	
Position/Title:	VP	
Phone Number:	859-389-9293	

PAPERWORK REDUCTION STATEMENT

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Part D: OFT Information

Contractor's Business Name: Palmer Engineering Company

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: Jennifer Lisle
 Address: 400 Shoppers Dr. PO Box 747
 City, State, Zip: Winchester, KY, 40392-0747
 Begin Date: 1991
 End Date: NA
 % Ownership: Less than 10%
 Position/Title: CFO
 Phone Number: 859-744-1218

Name: Chris Francis
 Address: 3058 Mount Vernon Rd, Suite 5
 City, State, Zip: Hurricane, WV 25526
 Begin Date: 2001
 End Date: NA
 % Ownership: Less than 10%
 Position/Title: Branch Manager, WV
 Phone Number: 681-235-7305

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.

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

Entities

Previous Search

Entity Name Search 10 per page ▼

Entity Number: 156367
Last Name: Palmer Engineering
*** First Name:**
Middle Name:
Alias:
Tax ID:
Memo: AML CONTRACTOR
Created: 6/16/2005
Updated: 6/16/2005
Source: sraky057
Entity Type: Business
Locked: N

Entity #	Entity Name	Suffix	First	Middle	Lock	Type	
156367	Palmer Engineering				N	Business	Select

Addresses Relationships Applications Permits Comments

	Entity #	Parent Entity	Relationship	Entity #	Related Entity	First	% Own	Begin	End	Hold	Hold Source	Create	Update	Description	Source
<input type="checkbox"/>	156367	Palmer Engineering	Chief Executive Officer	156368	Palmer	Ralph	0.00	6/16/2005		None		6/16/2005	6/16/2005		sraky057

<input type="checkbox"/>	156367	Palmer Engineering	Owner	156368	Palmer	Ralph	100.00	6/16/2005		None		6/16/2005	6/16/2005		srakv04
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Attachment C--Resumes

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Chris Francis	13. ROLE IN THIS CONTRACT Project Manager	14. YEARS EXPERIENCE	
		a. TOTAL 24	b. WITH CURRENT FIRM 18
15. FIRM NAME AND LOCATION <i>(City and State)</i> Palmer Engineering, Teays Valley, WV			
16. EDUCATION <i>(Degree and Specialization)</i> WV Institute of Technology, BS, Civil Engineering, 2001		17. CURRENT PROFESSIONAL REGISTRATION <i>(State and Discipline)</i> PE - WV - 17053 - 2006	
18. OTHER PROFESSIONAL QUALIFICATIONS <i>(Publications, Organizations, Training, Awards, etc.)</i> UAS Pilot - FFA License 4419195			

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION <i>(City and State)</i> Glen Morgan Arch Bridge, Bridge Replacement, Raleigh County, WV for WVDOT	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2024	CONSTRUCTION <i>(If applicable)</i>
a. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Manager responsible for contract plans and related documents for the replacement of the existing arch bridge over Beaver Creek. The new semi-integral abutment 83' long structure has a width of 42'-6" and W36x262 hot dip galvanized beams. Approximately 150' of new US 19 will be constructed while traffic is maintained on a two-lane detour downstream of existing. Final design was completed in 2024.		
(1) TITLE AND LOCATION <i>(City and State)</i> Grassy Branch Bridge, Bridge Rehabilitation, Mercer County, WV for WVDOT	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
b. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Manager responsible for the contract plans and related documents for the rehabilitation of the 3 span structure over Norfolk Southern Railway. The rehabilitation plans call for the installation of micropiles and reconstruction of abutment 1 adjacent to US 19. Other rehabilitation efforts include high friction surface treatment for the deck, cleaning, patching, and epoxy injection of cracks and spalls on existing piers abutments.		
(1) TITLE AND LOCATION <i>(City and State)</i> Second Creek Bridge, Bridge Rehabilitation, Monroe County, WV for WVDOT	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
c. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Manager responsible for the contract plans and related documents for the rehabilitation of the two-span structure over Second Creek. The rehabilitation plans call for replacement of the existing superstructure, along with rehabilitation and modification of existing pier and abutments. The new steel superstructure will consist of 105' W30x99 hot dip galvanized beams. Traffic will be maintained on a two-lane detour downstream of existing.		
(1) TITLE AND LOCATION <i>(City and State)</i> McDowell Street Bridge, McDowell County, WV for WVDOT	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
d. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Manager responsible for development of options for the Design Study. Six alternatives were considered. Three options consisted of rolled steel beams with a maximum span of 109'. The other three options consist of prestressed concrete hybrid beams with a maximum span of 110'-6".		
(1) TITLE AND LOCATION <i>(City and State)</i> West Howard Street over the Tug Fork, Bridge Replacement, McDowell County, WV	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
e. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Manager responsible for overseeing development of options for the Design Study. Two options are considered. Option 1 replaces the bridge in its existing location reusing and reconfiguring the existing substructures for a jointless bridge. Option 2 replaces the bridge downstream of its existing location shortening the bridge length. The study also includes options and costs for rehabilitating the existing West Howard Street Bridge.		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Jason Green	13. ROLE IN THIS CONTRACT SUAS Pilot, Utility Coordination	14. YEARS EXPERIENCE	
		a. TOTAL 28	b. WITH CURRENT FIRM 6
15. FIRM NAME AND LOCATION <i>(City and State)</i> Palmer Engineering			
16. EDUCATION <i>(Degree and Specialization)</i> Marshall University, AAS, Engineering Technology Bridge Valley C&TC AAS, Highway Engineering Technology, 2019		17. CURRENT PROFESSIONAL REGISTRATION <i>(State and Discipline)</i> UAS Pilot - FAA - 4421456	
18. OTHER PROFESSIONAL QUALIFICATIONS <i>(Publications, Organizations, Training, Awards, etc.)</i>			

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
a. Amigo Portals, Raleigh County, WV for WVDEP (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project Designer responsible for assisting in the development of AML plans for portal closure.	<input type="checkbox"/> Check if project performed with current firm	
b. Larry Fredrick Highwall & Refuse, Harrison County, WV for WVDEP (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project Designer responsible for assisting in the development of AML plans for mine reclamation.	<input type="checkbox"/> Check if project performed with current firm	
c. Greystone Mine Drainage, Monongalia County, WV for WVDEP (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project Designer responsible for assisting in the development of AML plans for acid mine drainage in Greystone Subdivision.	<input type="checkbox"/> Check if project performed with current firm	
d. Earling Refuse Pile, Logan County, WV for WVDEP (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project Designer responsible for assisting in the development of AML plans for grading of refuse pile.	<input type="checkbox"/> Check if project performed with current firm	
e. Mettiki Coal Company, WV, OH, and MD (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Completed Pre-Subsidence / Pre-Blast Surveys prior to mining activities.	<input type="checkbox"/> Check if project performed with current firm	

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Kimbra Taylor	13. ROLE IN THIS CONTRACT Project Engineer	14. YEARS EXPERIENCE	
		a. TOTAL 8	b. WITH CURRENT FIRM 10 Months
15. FIRM NAME AND LOCATION <i>(City and State)</i> Palmer Engineering, Teays Valley, WV			
16. EDUCATION <i>(Degree and Specialization)</i> WVU Institute of Technology, BS, Civil Engineering, 2001		17. CURRENT PROFESSIONAL REGISTRATION <i>(State and Discipline)</i> EIT - WV - 7878 - 2002	
18. OTHER PROFESSIONAL QUALIFICATIONS <i>(Publications, Organizations, Training, Awards, etc.)</i>			

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
<p>a. Permanent Sludge Dewatering Facility Project, Weston, WV</p> <p>(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm</p> <p>Project Engineer responsible for preparing the facilities plan and checklist submittal to WVDEP. The project addressed a WVDEP and USEPA mandate to the City of Weston to construct a dewatering system for proper final disposal of wastewater. The project consisted of constructing two wedgewire sludge drying beds, polymer mixing tank and feed, and decant pump station.</p>		
<p>b. Backflow Prevention Valve Project, Huntington WV for Huntington Sanitary Board</p> <p>(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm</p> <p>Project Engineer responsible for preparing the facilities plan and related documents for the rehabilitation of 22 outfalls of Huntington's combined sewer system into the Ohio River. The rehabilitation plans include improvements to the system such as replacing existing tide gates with new flap gates, relocating headwalls and outfalls, and installing check valves</p>		
<p>c. Rand Drainage, Storm Sewer Replacement, Kanawha County, WV for WVDOT</p> <p>(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm</p> <p>Staff Engineer for phase 1 and 2 of the project to replace the stormwater collection system throughout the community of Rand. Project included installing new gravity sewer lines and new outfalls to the Kanawha River.</p>		
<p>d. 3rd and 5th Streets, Stormwater Storage and Infiltration, Cabell County, WV for the City of Huntington</p> <p>(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm</p> <p>Composed the preliminary modeling and facilities plan for the flood prevention project along 3rd and 5th Streets. The plans call for the installation of storage units along 4th Street. Other stormwater mitigation efforts include separating the storm sewer from the sanitary sewer, increasing the number of inlets, installing new storm-only sewer lines, and a pumpstation.</p>		
<p>e. Phase I-Wastewater Treatment Plant Replacement, Wayne, WV for the Town of Wayne</p> <p>(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm</p> <p>Project Engineer responsible for preparing the facilities plan and related documents for the construction of a new wastewater treatment plan for the Town of Wayne. The project includes a 300,000 GPD Sequencing Batch Reactor treatment process, UV disinfection, operations building, mechanical screen/grit removal headworks, sludge belt press, SCADA System, and flow equalization basin.</p>		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME David Shain, PE, PLS	13. ROLE IN THIS CONTRACT Engineer	14. YEARS EXPERIENCE	
		a. TOTAL 44	b. WITH CURRENT FIRM 44
15. FIRM NAME AND LOCATION <i>(City and State)</i> Palmer Engineering, Louisville, KY			
16. EDUCATION <i>(Degree and Specialization)</i> University of Kentucky BS, Civil Engineering, 1981		17. CURRENT PROFESSIONAL REGISTRATION <i>(State and Discipline)</i> PE-KY-14722, 1986 PE-IN-10607340, 2006 PLS-KY-2959, 1989	
18. OTHER PROFESSIONAL QUALIFICATIONS <i>(Publications, Organizations, Training, Awards, etc.)</i>			

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
Abandoned Mine Land Reclamation Sites, Various, KY	1984-2002	
a. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Engineer and surveyor for field control surveys on numerous abandoned mine land reclamation sites in eastern Kentucky. Calculated computations for GPS and control surveys for AML data compilations and DTM files. Selected Pike County sites included: Canada Reclamation Project, Canada II Portals Reclamation Project and Peter Branch Reclamation Project.		
Meally/Van Lear Reclamation Project, Johnson County, KY	1984-1986	
b. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Engineer for the reclamation of the Meally/Van Lear Site located in Johnson County, KY.		
Quillen Fork Reclamation Project, Letcher County, KY	1983-1985	
c. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Engineer for the reclamation of the Quillen Fork Site located in Letcher County, KY.		
Robinson Slide Reclamation Project, Perry County, KY	1983-1985	
d. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Engineer for the reclamation of the Robinson Slide Site located in Perry County, KY.		
Camp Taylor Sanitary Sewer Replacement, Louisville, KY	2013-2018	
e. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Manager for a project consisting of approximately 17,000 LF of new gravity sewer ranging in size from 8-inch to 12-inch with approximately 115 new manholes and associated work, including pavement replacement, sidewalk replacement, borings, and new sewer service connections. The project includes development of individual design documents for each resident to relocate the sewer service and elimination of illicit sewer connections as necessary and rehabilitation of approximately 5,200 LF of sewer and 28 manholes.		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Brian Ward, PE, PLS	13. ROLE IN THIS CONTRACT Principial	14. YEARS EXPERIENCE	
		a. TOTAL 29	b. WITH CURRENT FIRM 29
15. FIRM NAME AND LOCATION <i>(City and State)</i> Palmer Engineering, Winchester KY			
16. EDUCATION <i>(Degree and Specialization)</i> University of Kentucky BS, Civil Engineering, 1997 Morehead State University BS, Physics/Mathematics, 1995		17. CURRENT PROFESSIONAL REGISTRATION <i>(State and Discipline)</i> PE-KY-2267, 2002 PE-MI-6201063803, 2016 PE-TN-110221, 2005 PLS-KY-3899, 2009	
18. OTHER PROFESSIONAL QUALIFICATIONS <i>(Publications, Organizations, Training, Awards, etc.)</i>			

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
Short Creek Abandoned Mine Reclamation, Leslie County, KY	1998-1999	
a. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Assisted in management and calculations for six AML projects in Short Creek, Leslie County, KY; primary responsibilities included site visitation, development of working scope, coordination of pre and post surveys, verification of quantities for contractor payment.		
Perry Plaza Development, Hazard, KY	2014-present	
b. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Principal in Charge / Project Manager for the development of 120 acres of abandoned land mine in Hazard, Kentucky. The infrastructure improvements include roadways, underground electric and communications, lighting, storm sewer systems, stormwater management, water extension and service improvements, sanitary sewer collection systems, sanitary sewer pumping station and force main along with long-term planning to facilitate future growth		
Lower Howards Creek Sanitary Improvement, Clark County, KY	2008-present	
c. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Manager for the design, Construction Administration, Resident Project Representation, and funding of a 2 MGD WWTP (10 MGD Peak), Influent Pump Station (4-plex), and over 3 miles of 24-inch force main in the Lower Howards Creek Sub-Watershed basins. This project was funded by a State Revolving Fund (A) loan.		
Winchester Municipal Utilities - Supplemental Environmental Project, KY	2010-2012	
d. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Manager for the Winchester Municipal Utilities Supplement Environmental Project required by the EPA due to a Federal Consent Decree. The project included watershed research identifying all information to date, Phase 1 stream monitoring (sampling) along the primary channel, Phase 2 monitoring (sampling) along tributaries, data analysis, prioritization, BMP selection and feasibility, action items and plan implementation		
Colby Ridge Extension, Winchester, KY	2021-present	
e. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Principal-In-Charge and Design Engineer for the 30-acre mixed-use residential development. The project incorporated early on-site environmental evaluation to outline the areas of wetlands and anticipated jurisdictional streams. The project was designed specifically to avoid the USACE, KDOW (WQC and FP) permitting.		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME James D. Mayo, PLS	13. ROLE IN THIS CONTRACT Surveyor	14. YEARS EXPERIENCE	
		a. TOTAL 48	b. WITH CURRENT FIRM 48
15. FIRM NAME AND LOCATION <i>(City and State)</i> Palmer Engineering, Winchester, KY			
16. EDUCATION <i>(Degree and Specialization)</i> Central KY State Vo-Tech School Diploma, Drafting, 1977		17. CURRENT PROFESSIONAL REGISTRATION <i>(State and Discipline)</i> PLS-WV-2090, 2004 PLS-KY-2726, 1984 PLS-OH-8506, 2010 PLS-TN-2110, 2000	
18. OTHER PROFESSIONAL QUALIFICATIONS <i>(Publications, Organizations, Training, Awards, etc.)</i>			

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
Abandoned Mine Lands, Various, KY		
a. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Calculated computations for GPS and control surveys for AML data compilations and DTM files.		
Quillen Fork Mine Reclamation, Letcher County, KY	1983-1985	
b. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Field survey technician and drafting technician for the reclamation of the Quillen Fork Site located in Letcher County, Ky.		
Robinson Slide Mine Reclamation, Perry County, KY	1983-1985	
c. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Field survey technician and drafting technician r for the reclamation of the Robinson Slide Site located in Perry County, KY.		
Powell Branch Bridge, Boone County, WV	2002	
d. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Survey Project Manager; Provided survey, mapping, and ownership information associated with the design of a new structure to replace an existing low water crossing. Field services included: Right-of-entries from property owners; Hydraulic sections, limits of DTM, and floodway information, and topographical data of the area adjacent to the structure and approaches; Vertical/Horizontal Control determined by GPS methods; DTM was performed on Powell Branch for HEC-RAS analysis could be performed.		
US Army Corps of Engineers, Huntington, WV	1988-2002	
e. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm GPS Photo Control Survey (20 Miles) at Eklhorn Creek, WV GPS Photo Control Survey (30 Miles) at Dry Fork Creek, WV Section 202 Flood Mitigation Study, Wayne County, WV		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Stephanie Blain, PE, LEED AP	13. ROLE IN THIS CONTRACT Principal	14. YEARS EXPERIENCE	
		a. TOTAL 19	b. WITH CURRENT FIRM 19
15. FIRM NAME AND LOCATION <i>(City and State)</i> Palmer Engineering, Lexington, KY			
16. EDUCATION <i>(Degree and Specialization)</i> University of Kentucky BS, Civil Engineering, 2007		17. CURRENT PROFESSIONAL REGISTRATION <i>(State and Discipline)</i> PE-KY-28304, 2011 PE-NC-05024, 2024 PE-OH-91305, 2024 LEED AP-2009, Renewal-2015	
18. OTHER PROFESSIONAL QUALIFICATIONS <i>(Publications, Organizations, Training, Awards, etc.)</i>			

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
a. Campbell Jr. High Bioretention Basin, Winchester, KY (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project Manager for preliminary engineering study, \$319(h) grant application, and construction drawings. The project was a prioritized project in the Lower Howards Creek Watershed Management Plan, also prepared by Palmer Engineering, that will both improve water quality and reduce downstream peak flows. Led permitting efforts with KDOW and USACE to secure 401/404 and Floodplain Construction Permits. Oversaw PCSWMM modeling, construction drawing preparation, and project bidding.	2020-2024	
<input checked="" type="checkbox"/> Check if project performed with current firm		
b. Crow Creek Stream Assessment, Clinton County, KY (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE - Palmer Project Manage for performing stream habitat assessments for the purpose of evaluating a parcel of land surrounding Crow Creek as a potential stream mitigation bank for the Kentucky Department of Fish and Wildlife. Streams were evaluated using Kentucky Division of Water Rapid Bioassessment Protocol stream habitat data procedures and the Tennessee Stream Quantification Tool.	2020-Present	
<input checked="" type="checkbox"/> Check if project performed with current firm		
c. Flanagan-Madison Outfall Sewer Project, Winchester, KY (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Lead Right-of-Way Acquisition Agent and Project Engineer for the Ft. Estill Pump Station force main realignment and Flanagan-Madison Outfall gravity sanitary sewer alignment. Approximately 17 impacted parcels require easement negotiations. Also responsible for securing all environmental permitting through KDOW and USACE.	2019-Present	
<input checked="" type="checkbox"/> Check if project performed with current firm		
d. Perry Plaza Development, Hazard, KY (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project Engineer for the development of 120 acres of abandoned land mine in Hazard, Kentucky. The infrastructure improvements include roadways, underground electric and communications, lighting, storm sewer systems, storm water management, water extension and service improvements, sanitary sewer collection systems, sanitary sewer pumping station and force main along with long term planning to facilitate future growth.	2014-Present	
<input checked="" type="checkbox"/> Check if project performed with current firm		
e. Stephens Creek Stream Restoration, Gallatin County, KY (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project Engineer for 2,090 linear feet of stream rehabilitation and 1,635 linear feet of stream re-establishment. Assisted in site topographic survey and stream assessment; Prepared site topographic survey from field collected data. Work included preparation of HEC-RAS analysis of existing and proposed conditions for stream re-establishment, assisting in layout and review of plan and profile for restored reaches, and creation of grading plans for channel creation and modifications.	2014-2016	
<input checked="" type="checkbox"/> Check if project performed with current firm		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME David M. Waldner, PE	13. ROLE IN THIS CONTRACT Environmental Project Manager	14. YEARS EXPERIENCE	
		a. TOTAL 42	b. WITH CURRENT FIRM 7

15. FIRM NAME AND LOCATION *(City and State)*
Palmer Engineering, Winchestery, KY

16. EDUCATION <i>(Degree and Specialization)</i> University of Kentucky BS, Civil Engineering, 1983	17. CURRENT PROFESSIONAL REGISTRATION <i>(State and Discipline)</i> PE-KY-15035, 1983
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18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*
Served 16 years as KYTC's Director of the Division of Environmental Analysis

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
West Howard Street Bridge, Welch, WV	2019-Present	
<p>a. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Environmental Project Manager for study of a bridge rehabilitation/replacement in Welch, WV. Impacts to the community, historic properties, endangered species and natural resources were assessed, which will result in the preparation of a Categorical Exclusion.</p>		
Director, Division of Environmental Analysis, KYTC	2001-2018	
<p>b. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm Developed policy and provided technical expertise and guidance regarding assessment of impacts under the Endangered Species Act, Clean Air Act, National Historic Preservation Act, Section 4(f) of Department of Transportation, Sections 401/404 of the Clean Water Act, Resource Conservation and Recovery Act, Environmental Justice Executive Order and many others.</p>		
I-66, Pike County, KY	2001-2008	
<p>c. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Served as the highest level of environmental authority and review for KYTC during the development of an EIS and Record of Decision for a 33-mile section of I-66 from US 23, Pike County, KY to the proposed King Coal Highway in southern WV. Provided guidance and direction to project team members in the development of the documentation and conducted final review and coordination with the FHWA for its approval.</p>		
KYTC Statewide NEPA Contract, Various, KY	2021	
<p>d. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Environmental Manager for completing the NEPA documentation for the replacement of ten bridges within a 20-mile section of KY 136. Early project development had used state funds; with a desire to use federal funds for construction, a NEPA review and environmental document were required. Impacts documented in the Categorical Exclusion Level 1 included the <i>de minimis</i> Section 4(f) use of a strip taken from a public park and resolution of an adverse effect finding for removal of a historic bridge.</p>		
I-71/I-75 Brent Spence Bridge Replacement, KY & OH	2005-2012	
<p>e. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Served as the highest level of environmental authority and review for KYTC during the development of an EA/FONSI for the bi-state project. The project involved the replacement of a major traffic crossing of the Ohio River and includes nearly eight miles of approach reconstruction and improvement at an estimated cost of \$2.8B. Heavily involved in addressing impacts to historic properties, Section 6 (f) protected parks, environmental justice communities, and development of mitigation measures and resolution of these effects.</p>		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Christopher D. Blevins	13. ROLE IN THIS CONTRACT Environmental Project Manager	14. YEARS EXPERIENCE	
		a. TOTAL 30	b. WITH CURRENT FIRM 30
15. FIRM NAME AND LOCATION <i>(City and State)</i> Palmer Engineering, Winchester, KY			
16. EDUCATION <i>(Degree and Specialization)</i> Penn State University (MS work) Ohio University BS, Geography, 1990		17. CURRENT PROFESSIONAL REGISTRATION <i>(State and Discipline)</i>	
18. OTHER PROFESSIONAL QUALIFICATIONS <i>(Publications, Organizations, Training, Awards, etc.)</i>			

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
12th Street Bridge, Huntington, WV	2023-Present	
a. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Environmental Project Manager for the replacement of the existing 98 year old 12th Street Bridge. This project had the following NEPA documentations: State Level Historical Resources Report, Section 4(f) evaluation for Historic Bridge, Section 4(f) evaluation for Ritter Park, Section 6(f) evaluation of Ritter Park, Environmental Justice evaluation, Environmental Hazardous waste survey, Stream and Wetland Report, Bat Habitat Assessment, Public Meeting Documents, Categorical Exclusion.		
CSEPP for FEMA, Estill County, KY	2022	
b. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Provided all NEPA documentation for a new FEMA funded maintenance building on existing right of way. The NEPA requirements included Section 106, Section 7, and UST/HAZMAT coordination and clearance with FEMA.		
CSEPP for FEMA, Madison County, KY	2023-2034	
c. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Provided all NEPA documentation for a new FEMA funded maintenance building at the Madison County Airport. The facility will cover emergency services for the airport and for portions of Madison County. The NEPA requirements included Section 106, Section 7, and US		
KYTC Statewide NEPA Contract, Various, KY	2021	
d. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Environmental Manager for completing the NEPA documentation for the replacement of ten bridges within a 20-mile section of KY 136. Early project development had used state funds; with a desire to use federal funds for construction, a NEPA review and environmental document were required. Impacts documented in the Categorical Exclusion Level 1 included the <i>de minimis</i> Section 4(f) use of a strip taken from a public park and resolution of an adverse effect finding for removal of a historic bridge.		
TDOT Statewide NEPA Contract, Various, KY	2010-2016	
e. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Provided oversight for the development of and authored technical studies in Environmental Documentation, Socioeconomic Impact Analysis, Environmental Justice, Traffic Impact Noise Analysis, and Air Quality Analysis; coordinated and performed quality control for Aquatic/Terrestrial, UST/HAZMAT, GIS, and Cultural Resources documentation. Projects consisted of new alignment alternatives, upgrading existing facilities, and continuation of existing TDOT projects by other consultants.		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME David H. Deitz	13. ROLE IN THIS CONTRACT Principal in Charge	14. YEARS EXPERIENCE	
		a. TOTAL 29	b. WITH CURRENT FIRM 29

15. FIRM NAME AND LOCATION *(City and State)*

16. EDUCATION <i>(Degree and Specialization)</i> University of Kentucky PhD, Civil Engineering (Structures), 1998 BS, Civil Engineering, 1992 University of Cincinnati MS, Civil Engineering (Structures), 1995	17. CURRENT PROFESSIONAL REGISTRATION <i>(State and Discipline)</i> PE-WV-14689, 2000 PE-KY-21473, 2000 PE-OH-E65326, 2000 PE-IN-10607194, 2006 PE-GA-041257, 2016
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18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION <i>(City and State)</i> Big Creek Arch, McDowell County, WV	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2019-Present	CONSTRUCTION <i>(If applicable)</i>
a. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Structures Project Manager responsible for bridge options for the Feasibility Study and supporting the DOH during the Design Build process. The study replaces the existing bridge using a detour to maintain traffic during construction. Work included coordination with the geotechnical engineer to obtain preliminary subsurface information and a prestress beam fabricator to verify beams with the necessary length can be delivered to the project. Palmer will continue to assist the DOH throughout the design/build process.	<input checked="" type="checkbox"/> Check if project performed with current firm	
(1) TITLE AND LOCATION <i>(City and State)</i> SR 18 Over Point Pleasant Creek, Tyler County, WV	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2001-2016	CONSTRUCTION <i>(If applicable)</i> 2016
b. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project Manager and Engineer-of-Record for the design of a three-span (53' - 66' - 53') rolled steel beam bridge replacement; The 34 ft-6-in-wide bridge is skewed 20 degrees. Substructures types include a semi-integral breastwall abutment supported on a spread footing on rock, hammerhead piers supported on a spread footing on rock and piles, and an integral abutment supported on a single row of piles.	<input checked="" type="checkbox"/> Check if project performed with current firm	
(1) TITLE AND LOCATION <i>(City and State)</i> West Howard Street Bridge, McDowell County, WV	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2019-Present	CONSTRUCTION <i>(If applicable)</i>
c. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Structures Project Manager responsible for overseeing development of options for the Design Study. Two options are considered. Option 1 replaces the bridge in its existing location reusing and reconfiguring the existing substructures for a jointless bridge. Option 2 replaces the bridge downstream of its existing location shortening the bridge length. The study also includes options and costs for rehabilitating the existing West Howard Street Bridge and another crossing in the project area.	<input checked="" type="checkbox"/> Check if project performed with current firm	
(1) TITLE AND LOCATION <i>(City and State)</i> Allensville Low Water Crossing, Berkeley County, WV	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2002-2007	CONSTRUCTION <i>(If applicable)</i> 2007
d. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project Manager for the three-span 346 foot long replacement bridge; work included the design of the hybrid high performance steel, HPS70W, and grade 50W steel plate girders; Structure design included provisions for creek overtopping the entire superstructure.	<input checked="" type="checkbox"/> Check if project performed with current firm	
(1) TITLE AND LOCATION <i>(City and State)</i> Corridor H - Bismark to Scherr, Grant County	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2001-2010	CONSTRUCTION <i>(If applicable)</i> 2011
e. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project Manager and Engineer-of-Record for two 84.5 ft wide curved weathering steel welded plate girder bridges. The three-span and four-span structures are 752 ft and 540 ft long, respectively. Both incorporate integral abutments supported on a single row of piling. Final design of these structures, from TS&L approval to final plans, was performed by Palmer's 10-person structures team in less than 3 months.	<input type="checkbox"/> Check if project performed with current firm	

Attachment D--Past Projects

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>		20. EXAMPLE PROJECT KEY NUMBER
21. TITLE AND LOCATION <i>(City and State)</i>	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
Bent Bridge Slide Reclamation, Pike County, KY	1984-2002	

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER KYNREPC Division of Abandoned Lands	b. POINT OF CONTACT NAME David Booth	c. POINT OF CONTACT TELEPHONE NUMBER 502-564-2141
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24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

The project encompassed three sites, with a total impacted area of approximately 2.2 acres--including three landslides, six partially open deep mine adits, and two areas of impacted drainage.

Problem Type: Landslide, unvegetative areas, erosion, sedimentation, open portals, road subsidence, and potential bridge collapse.

Firm's Role: Provided construction plans and specifications for reclaiming the entire area of disturbance from the subsurface mining operations.

Approach/Results: Construction plans and specifications were prepared to stabilize the landslides and outcrops by overburden removal. The mine openings were backfilled and/or constructed mine seals were placed over the entrances. Prior to closure, the deep mine openings were surveyed to determine the extent of utilization by bats and other wildlife. Those found to be used by a species whose population is in decline were sealed in a manner which allows for continued utilization while prohibiting entrance by humans. All disturbed areas were treated with appropriate soil amendments and revegetated with a seed mixture and tree species best suited to the area, season and soil conditions, and directed toward erosion control. Appropriate silt control measures were installed prior to construction activities and maintained until an acceptable level of vegetative cover was established.

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a.	(1) FIRM NAME Palmer Engineering Company	(2) FIRM LOCATION <i>(City and State)</i> Winchester, KY	(3) ROLE Prime Design Consultant
b.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
c.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
d.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
e.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
f.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>		20. EXAMPLE PROJECT KEY NUMBER
21. TITLE AND LOCATION <i>(City and State)</i>	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
Canada II Portals Reclamation, Pike County, KY	1984-2002	

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER KYNREPC Division of Abandoned Lands	b. POINT OF CONTACT NAME David Booth	c. POINT OF CONTACT TELEPHONE NUMBER 502-564-2141
---------------------------------------------------------	-----------------------------------------	------------------------------------------------------

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

The project encompassed three sites, with a total impacted area of approximately two acres-- including one landslide, 17 portals, and two areas of excessive drainage/saturation.

Problem Type: Landslide, unstable out slopes, highwalls, unvegetative areas, abandoned silt ponds, spoil piles, erosion, sedimentation, and open portals.

Firm's Role: Provided construction plans and specifications for reclaiming the entire area of disturbance from the contour surface mining operations.

Approach/Results: Construction plans and specifications were prepared to stabilize the landslides and out slopes by constructing gabion retaining walls. The mine openings were backfilled and/or constructed mine seals were placed over the entrances. Prior to closure, the deep mine openings were surveyed to determine the extent of utilization by bats and other wildlife. Those found to be used by a species whose population is in decline were sealed in a manner which allows for continued utilization while prohibiting entrance by humans. All disturbed areas were treated with appropriate soil amendments and revegetated with a seed mixture and tree species best suited to the area, season and soil conditions, and directed toward erosion control. Appropriate silt control measures were installed prior to construction activities and maintained until an acceptable level of vegetative cover was established.

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a.	(1) FIRM NAME Palmer Engineering Company	(2) FIRM LOCATION <i>(City and State)</i> Winchester, KY	(3) ROLE Prime Design Consultant
b.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
c.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
d.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
e.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
f.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>		20. EXAMPLE PROJECT KEY NUMBER
21. TITLE AND LOCATION <i>(City and State)</i>	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
Meally/Van Lear II Reclamation, Johnson County, KY	1984-1986	

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER
KYNREPC Division of Abandoned Lands	David Booth	502-564-2141

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

The project consisted of eight sites with a total impacted area of approximately four acres-- including two landslides, one brick mine structure, 12 portals, one open vertical shaft, and four areas of excessive drainage/saturation.

Problem Type: Landslide, unstable outcrops, highwalls, unvegetative areas, abandoned silt ponds, spoil piles, erosion and sedimentation.

Firm's Role: Provided construction plans and specifications for reclaiming the entire area of disturbance from the contour surface mining operations. Palmer's inspectors also provided monitoring during construction.

Approach/Results: Construction plans and specifications were prepared to include material removal, restraint and drainage control. The mine openings were backfilled and/or a construction mine seal placed over the entrance. The areas of excessive drainage/saturation were dewatered by subsurface and/or surface collection and diversion. The mine structure was demolished and removed. Prior to closure, deep mine openings were surveyed to determine the extent of utilization by bats and other wildlife. Those found to be used by a species whose population is in decline were sealed in a manner which allows for continued utilization while prohibiting entrance by humans. All disturbed areas were treated with appropriate soil amendments and revegetated with a seed mixture and tree species best suited to the area, season and soil conditions and directed toward erosion control. Appropriate silt control measures were installed prior to construction activities and were maintained until an acceptable level of vegetative cover was established.

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a.	(1) FIRM NAME Palmer Engineering Company	(2) FIRM LOCATION <i>(City and State)</i> Winchester, KY	(3) ROLE Prime Design Consultant
b.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
c.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
d.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
e.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
f.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>		20. EXAMPLE PROJECT KEY NUMBER
21. TITLE AND LOCATION <i>(City and State)</i> Peter Branch Reclamation, Pike County, KY	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES 1984-1986	CONSTRUCTION <i>(If applicable)</i>

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER KYNREPC Division of Abandoned Lands	b. POINT OF CONTACT NAME David Booth	c. POINT OF CONTACT TELEPHONE NUMBER 502-564-2141
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24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

The project encompassed six sites, with a total impacted area of approximately 5.5 acres--including two coal refuse piles, five adits, two landslides, two areas of excessive drainage/saturation, and two areas of burning coal refuse.

Problem Type: Landslides, unstable outcrops, highwalls, unvegetative areas, abandoned silt ponds, spoil piles, erosion, sedimentation, sulfur emission from burning refuse, and open portals.

Firm's Role: Provided construction plans and specifications for reclaiming the entire area of disturbance from the contour surface mining operations.

Approach/Results: Construction plans and specifications were prepared to stabilize the landslides and outcrops. The burning coal refuse was spread and quenched with a fire retardant mixture. The mine openings were backfilled and/ or had constructed mine seals placed over the entrances. Prior to closure, the deep mine openings were surveyed to determine the extent of utilization by bats and other wildlife. Those found to be used by a species whose population is in decline were sealed in a manner which allows for continued utilization while prohibiting entrance by humans. All disturbed areas were treated with appropriate soil amendments and revegetated with a seed mixture and tree species best suited to the area, season and soil conditions and directed toward erosion control. Appropriate silt control measures were installed prior to construction activities and maintained until an acceptable level of vegetative cover was established.

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a.	(1) FIRM NAME Palmer Engineering Company	(2) FIRM LOCATION <i>(City and State)</i> Winchester, KY	(3) ROLE Prime Design Consultant
b.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
c.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
d.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
e.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
f.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>		20. EXAMPLE PROJECT KEY NUMBER
21. TITLE AND LOCATION <i>(City and State)</i>	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
Preston Slide Reclamation, Johnson County, KY	1984-1986	

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER
KYNREPC Division of Abandoned Lands	David Booth	502-564-2141

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

The project encompassed three acres--including two approximate one acre landslides, two partially open deep mine audits, two collapsed draining audits, and an impacted drainageway. The landslides threatened improved properties at the base of the hill.

Problem Type: Landslide, unstable outcrops, highwalls, unvegetative areas, abandoned silt ponds, spoil piles, erosion, sedimentation, and open portals.

Firm's Role: Provided construction plans and specifications for reclaiming the entire area of disturbance from the contour surface mining operations. Palmer's inspectors also provided monitoring during construction.

Approach/Results: Construction plans and specifications were prepared to stabilize the landslides and outcrops. The mine openings were backfilled and/ or had a constructed mine seal placed over the entrance. Prior to closure, the deep mine openings were surveyed to determine the extent of utilization by bats and other wildlife. Those found to be used by a species whose population is in decline were sealed in a manner which allows for continued utilization while prohibiting entrance by humans. All disturbed areas were treated with appropriate soil amendments and revegetated with a seed mixture and tree species best suited to the area, season and soil conditions, and directed toward erosion control. Appropriate silt control measures were installed prior to construction activities and were maintained until an acceptable level of vegetative cover was established.

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a.	(1) FIRM NAME Palmer Engineering Company	(2) FIRM LOCATION <i>(City and State)</i> Winchester, KY	(3) ROLE Prime Design Consultant
b.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
c.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
d.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
e.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
f.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>		20. EXAMPLE PROJECT KEY NUMBER
21. TITLE AND LOCATION <i>(City and State)</i>	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
Quillen Fork II Reclamation, Letcher County, KY	1983-1985	

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER
KYNREPC Division of Abandoned Lands	David Booth	502-564-2141

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

The project consisted of a seven-acre site that had been previously reclaimed. Due to flooding of the roadway ditch and failure of a surface drain along the top of the reclaimed area, a slide occurred along KY-317. The slide created an unsafe condition along the roadway and possible failure under the roadway. Subsurface drainage from the possible unlocated mine opening created a slide at the toe of the reclaimed area. Acid water created vegetation growth problems.

Problem Type: Landslide, unvegetated areas, acid runoff, channel restoration, erosion and sedimentation.

Firm's Role: Prepared construction plans and specifications, including all field surveys; provided construction inspection and monitoring during the construction phase.

Approach/Results: Construction plans and specifications were prepared to construct a gabion wall along KY-317. The gabion wall was approximately 150 feet in length, 15 feet high, 12 feet wide at the base with 6' x 3' counterforts every 12 feet on centers. Number 11 reinforcing dowel bars were embedded on the bedrock footer a length of 5 feet and 4 ½ feet of the dowel bar extended into the gabion wall. A chimney drain was constructed along the refuse pile to intersect the subsurface drainage. Perforated pipe was constructed to pick up subsurface drainage. The entire site was covered with two feet of cover material and vegetative growth established.

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a.	(1) FIRM NAME Palmer Engineering Company	(2) FIRM LOCATION <i>(City and State)</i> Winchester, KY	(3) ROLE Prime Design Consultant
b.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
c.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
d.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
e.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
f.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>		20. EXAMPLE PROJECT KEY NUMBER
21. TITLE AND LOCATION <i>(City and State)</i>	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES 1983-1985	CONSTRUCTION <i>(If applicable)</i>
Robinson Slide Reclamation and Inspection, Perry County, KY		

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER KYNREPC Division of Abandoned Lands	b. POINT OF CONTACT NAME David Booth	c. POINT OF CONTACT TELEPHONE NUMBER 502-564-2141
---------------------------------------------------------	-----------------------------------------	------------------------------------------------------

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

Slide Reclamation: The project consisted of approximately five miles of mine benches created by contour surface mining, with approximately 200 acres of surface disturbance. The project was divided into five different areas so that the Division of Abandoned Lands could bid construction of the projects in phases if they elected to do so. Also included within the project was an active mine fire.

Problem Type: Landslide, unstable outcrops, highwalls, unvegetated areas, abandoned silt ponds, spoil piles, mine fire, erosion and sedimentation.

Firm's Role: Prepared construction plans and specifications for reclaiming the entire area of disturbance from the contour surface mining operations and mine fire.

Approach/Results: Construction plans and specifications were prepared to eliminate the ponding areas along the mined bench, stabilize the outcrops, stabilize landslides, control mine fire, regrade to provide drainage facilities, establish vegetation and control erosion and sedimentation on the project site.

Slide Inspection: The project consisted of the removal of 53,000 cubic yards of material due to a landslide. The landslide was behind a residence and also involved the removal of a sedimentation pond.

Problem Type: Landslide, unstable outcrops.

Firm's Role: Provided project inspection to the Division of Abandoned Lands on a project they designed in-house.

Approach/Results: The top bench was regraded to eliminate ponding areas and the landslide area was removed to bedrock. The excavated material was placed in a hollow fill. Complete surface and subsurface drainage was constructed at the site and the entire 15 acres was seeded and mulched.

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a.	(1) FIRM NAME Palmer Engineering Company	(2) FIRM LOCATION <i>(City and State)</i> Winchester, KY	(3) ROLE Prime Design Consultant
b.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
c.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
d.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
e.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
f.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE

Attachment E--Equipment

SOFTWARE

(Latest Version, unless otherwise noted)

Computers:

- 1 Precision Tower
- 4 Precision Rack Workstations
- 40 Dell OptiPlex Desktops
- 124 Dell Precision Laptops
- 6 Dell Latitude Laptops
- 5 Alienware Laptops
- 17 Microsoft Surface Pro Tablets
- 1 Microsoft Surface Laptop
- 5 Apple iPads
- 2 Galaxy Tablets

Monitors:

- 1 Dell 34" Flat Panel Monitor
- 3 Dell 32" Flat Panel Monitors
- 3 Dell 30" Flat Panel Monitors
- 50 Dell 27" Flat Panel Monitors
- 274 Dell 24" Flat Panel Monitors
- 1 Dell 23" Flat Panel Monitor
- 2 Dell 20" Flat Panel Monitors

Servers and Network Hardware:

- 26 Non-Virtualized Servers
- NEOS T24 Storage Library with LTO5 tape drive, total capacity 36 TB
- NEOS T24 Storage Library with LTO6 tape drive, total capacity 60 TB
- 700 TB Storage Area Network (SAN)
- 12 Sophos Firewalls

Printers and Plotters:

- 2 Canon IPR C700DN Color Printers
- 1 Canon iPF815 Color Plotter
- 1 Kyocera Taskalfa 3501i Printer
- 10 Kyocera Taskalfa 6003 Printers
- 2 HP Designjet T730 Color Printer
- 1 HP CP5225 Color LaserJet Printer
- 5 HP 9050 LaserJet Printers
- 1 HP Pagemate XL 4100
- 1 Ricoh SP 8400DN Color Printer
- 1 Ricoh SP C842DN Color Printer
- 6 Xerox Phaser 7100N Color Printer
- 1 Xerox Phaser 7760DN Color Printer
- 1 Xerox Versalink C7000

SOFTWARE

Internet Connectivity:

- Dedicated 500 MB Internet Connection, L3--Winchester, KY
- Dedicated 750 MB Internet Connection, AT&T--Winchester, KY
- Dedicated 500 MB failover Internet Connection, L3--Cincinnati, OH
- Dedicated 500 MB failover Circuit to Palmer redundant data center--Cincinnati, OH
- Dedicated 50-100 MB Circuit for Interoffice Connectivity between 9 offices

CAD Software:

- ArcGIS Desktop
- ArcGIS Pro
- ArcGIS Spatial Analyst 10.4
- ArcInfo Ver. 10.4
- AutoCad Civil 3D 2022, 2023, 2024
- AutoCad Infrastructure

- Bentley Descartes
- Bentley Geopak V8i
- Bentley InRoads Survey
- Bentley InRoads V8; V8i
- Bentley MicroStation V8; V8i
- Bentley ProjectWise Explorer
- Bentley ConceptStation
- Bentley OpenRoads
- Bentley OpenRoads Designer
- Bentley OpenRoads Designer Drainage
- Bentley PowerGeopak V8i
- Bentley Power Inroads V8i

Engineering and Design Software:

- AASHTO Bridge Rating
- AASHTO Pavement ME
- ADAPT (post-tensioning system analysis)
- Adobe Acrobat 11 Professional
- Adobe Bridge
- Adobe Creative Cloud
- Adobe Dreamweaver
- Adobe InDesign

Engineering and Design Software

(Continued):

- Adobe Photoshop
- Adobe Premiere Rush
- AGI32 (Lighting)
- Autodesk InfraWorks
- Autodesk Inventor
- Autodesk NavisWorks
- Autodesk Vehicle Tracking 2023
- AutoTable
- AutoTurn 11 Workstation
- AutoTurn Pro 11
- Axiom Global File Changer
- Bentley ConceptStation
- Bentley CONSPAN
- Bentley GEOMATH
- Bentley LEAP Bridge Concrete
- Bentley LEAP RC-Pier
- Bentley OpenRoads
- Bluebeam
- CORPSCON
- CSi Bridge
- CulvertMaster
- Estimator
- FlowMaster
- GeoHECRAS
- Global Mapper
- Group
- Guidesign
- HCS Streets
- HCS+ 2022, 2023, 2024
- HEC-RAS
- Hydraulic Toolbox
- HY8
- KYPipe
- LARS Bridge
- LPile
- MathCad
- McTrans
- MDX Software
- Microsoft Office Professional 2016, 2019
- Microsoft Project Pro--2016, 2019
- Optima
- PCSWMM
- Petra Pro
- PondPack
- PSBeam
- RC-Pier
- SALSA (Traffic Signals)
- SAP2000
- SewerCAD
- SignCAD
- SimTraffic
- Smath Studio
- Softtrack Software Metering
- spColumn
- StarNext
- StormCAD
- Synchro
- TopoDOT
- TORUS
- TransCAD
- Trimble Business Center
- VISSIM

Land Survey Instruments

Utility Locators

- 1 RD 5100H20+ Precision Pipe/Cable Locator
- 1 US Radar Q5C Plus 500 MHz Ground Penetrating Radar (GPR)

Terrestrial LiDAR Scanners

- 1 Trimble X7 3D Laser Scanner
- 1 Trimble SX10 Scanning Total Station (1" accuracy)
- 1 Trimble SX12 Scanning Total Station

Total Station

- 1 Trimble Robotics VX 1" Total Station
- 3 Trimble Robotics S6 1" Total Station
- 4 Trimble Robotics S7 1" Total Station

GPS / GNSS Receivers

- 1 Trimble Yuma2 with Trimble TerraSync (Receiver and Data Collector)
- 5 Trimble R12i GNSS Systems
- 1 Trimble R8S GNSS Receivers/Bluetooth--GNSS Receiver Advanced
- 1 Trimble Geo 78 (1 cm accuracy)
- 2 Trimble TRIMMARK III Base Radios
- 3 Trimble TS4800 Dual Frequency Receivers (Static and RTK - Centimeter)
- 1 Pacific Crest Base Radio

Data Collectors

- 2 Trimble T10 Tablet w/Trimble Access
- 3 Trimble TSC 7 Controller with/Trimble Access
- 3 Trimble Pro TSCE Controller w/Bluetooth
- 4 Trimble Pro TSC 3 Controller w/Trimble Access
- 1 Trimble T100/ Access and Perspective

Survey Instruments (Continued)

Optical/Digital Levels

- 1 Trimble DiNi-12 Digital Level (with Barcode Rod and Software)
- 1 Zeiss Ni-1 Precision Level with Invar Boards
- 1 Leica Digital Level with DIGILEV Software
- 1 GKNL Dual Face Leveling Rod
- 5 Wild NAK and Zeiss Auto Levels
- 1 Topcon AT-G2 Auto Levels

Hydrographic Vessels

- 1 Trimble HydroLite-TM Echosounder Single Frequency 200 KHz (Rented)
- 1 Innerspace Survey Depth Sounder Model 455 (with Trimble Hydropro Software)

Airworthy Aircraft

- 2 DJI Mavic Air 2S Drone
- 1 DJI Mavic 3T Drone
- 1 DJI Matrice 300 RTK Drone
- 1 DJI Mavic 2 Pro Drone
- 1 DJI Mavic 2 Zoom Drone

Other

- 4 4-wheel-drive Trucks/Suburbans/Trailblazers
- 3 All-Terrain Vehicles
- 1 18-ft boat with 40 hp Yamaha motor
- 4 Dell Latitude Laptop Computers
- 2 Dell Optiplex Desktop Computers
- 1 GIF-10 Module Data Reader
- 3 Alienware m18R2

Vacuum Excavation Equipment

Software

ArcGIS
ArcView 3.3
AutoCAD 2014; AutoCAD Civil 3D
AutoCADD 2019
AutoDesk Inventor; AutoDesk Recap

Bentley InRoads; Bentley InRoads Survey
Bentley OpenRoads (Survey and Design)
Civil Soft COGO
Corpscon

DIGILEV Software
FARO SCENE
GEOLAB
GEOPAK Survey

InXpress
Level Adjustment
LiDAR; LiDAR and Modeling
Microstation V8i

Note Check
Party Chief
PCS Cogo
Residual Computations
Spur/Trig

TerraSync
TopoDOT
Traverse
Trigonometric Comparisons
Trimble Business Center
Trimble Hydropro
Trimble Realworks Advanced
Trimble Terramodel
Trimnet Plus and Upgrades
Trimvec
Turbo Design Coordinate Geometry

UAS Master 9.1 (Photogrammetry)

Vertcon



Attachment F--Business Documents

- **WV Secretary of State Business and Licensing Certificate**
- **Certificate of Authorization - Engineering**
- **Certificate of Authorization - Surveying**

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West Virginia Secretary of State — Online Data Services

Business and Licensing

Online Data Services Help

Business Organization Detail

NOTICE: The West Virginia Secretary of State's Office makes every reasonable effort to ensure the accuracy of information. However, we make no representation or warranty as to the correctness or completeness of the information. If information is missing from this page, it is not in the The West Virginia Secretary of State's database.

PALMER ENGINEERING COMPANY

Organization Information								
Org Type	Effective Date	Established Date	Filing Date	Charter	Class	Sec Type	Termination Date	Termination Reason
C Corporation	5/19/1982		5/19/1982	Foreign	Profit			

Organization Information			
Business Purpose	5413 - Professional, Scientific and Technical Servies - Professional, Scientific and Technical Servies - Architectural, Engineering and Related Services (landscape architects, drafting, geophysical mapping, testing labs)		Capital Stock 0.0000
Charter County	Putnam	Control Number	0
Charter State	KY	Excess Acres	0
At Will Term		Member Managed	
At Will Term Years		Par Value	0.000000
Authorized Shares	0	Young Entrepreneur	Not Specified

Addresses	
Type	Address
Local Office Address	400 SHOPPERS DRIVE WINCHESTER, KY, 40391
Mailing Address	400 SHOPPERS DRIVE WINCHESTER, KY, 40391 USA
Notice of Process Address	CORPORATION SERVICE COMPANY 808 GREENBRIER STREET CHARLESTON, WV, 25311
Principal Office Address	400 SHOPPERS DRIVE WINCHESTER, KY, 40391 USA
Type	Address

Officers	
Type	Name/Address
Director	DAVID M. LINDEMAN 400 SHOPPERS DR PO BOX 747 WINCHESTER, KY, 40392-0747
Director	DAVID DEITZ 400 SHOPPERS DRIVE PO BOX 747 WINCHESTER, KY, 40392-0747
President	STEPHEN SEWELL 400 SHOPPERS DR PO BOX 747 WINCHESTER, KY, 40392-0747
Secretary	BRADLEY N. ROBSON 400 SHOPPERS DR PO BOX 747 WINCHESTER, KY, 40392-0747
Treasurer	JENNIFER LISLE 400 SHOPPERS DRIVE PO BOX 747 WINCHESTER, KY, 40392
Type	Name/Address

Annual Reports	
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For more information, please contact the Secretary of State's Office at 304-558-8000.

Tuesday, June 24, 2025 — 3:13 PM

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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*

PALMER ENGINEERING COMPANY

C00399-00

Engineer in Responsible Charge: DAVID M. LINDEMAN - WV PE 013279

*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

WEST VIRGINIA BOARD OF PROFESSIONAL SURVEYORS



Certificate of Authorization

Palmer Engineering

Winchester, KY



CERTIFICATE OF AUTHORIZATION # 25-5341

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 08 day of January 25

2025

Handwritten signature of Sefton R. Stewart.

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



Handwritten signature of James T. Rayburn.

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

Douglas C. McElwee, Esq.

Public Member