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Header @ 1

List View

General Information Contact Default Values Discount Document Information Clarification Request

Procurement Folder: 1717189

Procurement Type: Central Purchase Order

Vendor ID: 000000182590

Legal Name: MEAD & HUNT INC

Alias/DBA:

Total Bid: \$0.00

Response Date: 08/20/2025

Response Time: 13:22

Responded By User ID: 125111116

First Name: Jamie

Last Name: Bumgarner

Email: jamie.bumgarner@meadhunt

Phone: 304-546-8173

SO Doc Code: CEOI

SO Dept: 0313

SO Doc ID: DEP2600000001

Published Date: 8/13/25

Close Date: 8/20/25

Close Time: 13:30

Status: Closed

Solicitation Description: AML - EOI Pre-Qualification for Consultants

Total of Header Attachments: 1

Total of All Attachments: 1



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

State of West Virginia  
Solicitation Response

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

Solicitation Closes	Solicitation Response	Version
2025-08-20 13:30	SR 0313 ESR08202500000001212	1

**VENDOR**  
000000182590  
MEAD & HUNT INC

**Solicitation Number:** CEOI 0313 DEP2600000001  
**Total Bid:** 0  
**Response Date:** 2025-08-20  
**Response Time:** 13:22:13  
**Comments:**

**FOR INFORMATION CONTACT THE BUYER**  
Joseph (Josh) E Hager III  
(304) 558-2306  
joseph.e.hageriii@wv.gov

<b>Vendor</b>		
<b>Signature X</b>	<b>FEIN#</b>	<b>DATE</b>

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

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
1	EOI Engineering Design Services				0.00

Comm Code	Manufacturer	Specification	Model #
81100000			

Commodity Line Comments:

Extended Description:

EOI Engineering Design Services

Professional Services for

## **AML - EOI Pre-Qualification for Consultants**

Solicitation: CEOI 0313 DEP2600000001

West Virginia Department of Environmental Protection

August 20, 2025

Proposal provided by



August 20, 2025

Joseph E. Hager III  
Purchasing Division  
2019 Washington Street, East  
PO Box 50130  
Charleston, WV 25305-0130

Re: CEOI 0313 DEP2600000001, AML - EOI Pre-Qualification for Consultants

Dear Mr. Hager:

Mead & Hunt, Inc. is a national company with a strong local presence in West Virginia that offers great depth of skills and years of experience as a full-service, full-discipline engineering, architecture, and survey firm.

Mead & Hunt's engineers and surveyors have prepared civil engineering designs, surveying, environmental documents, construction plans, construction specifications, contract documents, and cost estimates for hundreds of projects across the great state of West Virginia. Mead & Hunt's local surveyors have provided cost-effective, quality surveys for the state of West Virginia for many years. Mead & Hunt has held the mapping contract for Southern West Virginia the last few terms, developing the mapping for nearly 100 important projects.

From our Charleston WV Office we can provide:

- A/E Planning
- Realty
- Design
- Construction Oversight.

We are able to put together a team of professionals internally and externally through the use of trusted subconsultants to complete our projects.

Thank you for the opportunity to bid on this project.

Sincerely,  
Mead & Hunt, Inc.



Jamie Bumgarner, PE  
Vice President

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## Qualifications

Mead & Hunt is an employee-owned firm with more than 1,300 professional, technical and support staff in offices nationwide, including an office in Charleston, West Virginia. We have been serving clients in both the public and private sectors since our founding in 1900. Additional information can be obtained by visiting our website at [www.meadhunt.com](http://www.meadhunt.com).

- I. Mead & Hunt has the capability of providing topographical, design data and construction surveys in accordance with U.S. National Map Standards. To the extent possible, we plan to utilize available aerial photography, aerial topographic maps or enlarged U.S.G.S. topographic maps and the information contained thereon, in lieu of developing maps from field surveys. All survey work will be performed under the direction of a Licensed Land Surveyor, licensed or registered in the State of West Virginia, who will provide certified maps and/or drawings as directed in the specific project Work Directive.

During all projects that we work on including the performance of this contract, we certainly agree to follow and obey all Federal and State Laws and Regulations, etc.

Mead & Hunt has the following professional capabilities or staff available at the time of the bid:

- Licensed Land Surveyor - Mead & Hunt offers a State of West Virginia Licensed Land Surveyor in our Charleston office.
- Competent Field Staff and Survey Crew - Mead & Hunt offers three (3) competent survey crews in Charleston that have completed the surveying and mapping for hundreds of projects across the State of West Virginia.
- Professional Drafting Capabilities - Mead & Hunt has been providing professional drafting services for over 124 years.
- Adequate Computer Aided Design Capabilities – Ryan Edmonds leads our Charleston, West Virginia CAD department. Mr. Edmonds has over 20 of experience providing computer-aided drafting and design services on projects in West Virginia. We are currently using AutoCAD Civil 3D 2025.
- Capacity to process and complete multiple projects within the designated time frames - Accustomed to working with aggressive, tight design schedules, Mead & Hunt eagerly accepts and embraces the challenge of accelerated projects. This is true of not only the corporate management team, but also of the hard-working employees that make up Mead & Hunt.



1. Based on the technical expertise that is required for this project, we are proposing a team that is headed by the following key personnel who have each demonstrated a high-level of technical competence on surveying assignments throughout West Virginia. All key personnel will be available to staff any project that Mead & Hunt is selected to complete.

Role	Name	Registration Number	Years of Experience
Planning	Teresa Shuller	LRS #174	41
Realty	Curtis Paxton	-	30
Surveying & Mapping	Cam Nicholas	WV PS # 2410	15
Surveying & Mapping	Andrew Buchan	-	30
Engineering Design	Matt Plumley	WV PE #18468	20
Engineering Design	Ryan Edmonds	WV PE #22419	20
Construction Oversight	Aaron Gillispie	WV PE #14859	30

2. Mead & Hunt has worked on the following AML projects in recent years:

The **Stephenson (Mills) Subsidence** stabilization project consisted of stabilizing a void from abandoned underground mining beneath the residence located at HC 69, Box 29B in Stephenson, West Virginia. The project area overlies an undocumented underground coal mine. The mine void was determined to be in the Beckley Coal Seam and is located approximately 135 feet below the existing site grade. Damages were reported in the residential structure. Mead & Hunt provided complete development of the topographic mapping for the site.

The **Hughes Creek (Burke-Quinn) Portals** project is located along Hughes Creek in Kanawha County, West Virginia, near the town of Glasgow. This project encompassed two sites. Site 1 (Burke) consisted of nine collapsed or partially collapsed mine portals. Site 2 (Quinn) consisted of three collapsed or partially collapsed mine portals. This project included the installation of wet mine seals and drainage structures for these mine portals. Mead & Hunt provided supplemental topographic mapping for the site.

The **Trace Branch Refuse Pile** project is located along Trace Branch in McDowell County, West Virginia, near the town of Kyle. This project consisted of an abandoned refuse pile and approximately nine collapsed or partially collapsed mine portals. This project included the reclamation of the refuse pile, installation of wet mine seals and drainage conveyances for these mine portals.

The **Danese PSD Waterline Feasibility Study** project was located in Fayette County, West Virginia. The general scope of this assignment was to provide the engineering services necessary to develop a water supply study for the areas mentioned in the Application for Assistance. The objective of the study was to investigate the area's current water supply and determine whether pre-law mining has affected the water supply to this area.

The **Clendenin Skyview Lane Waterline Feasibility Study** project was located in Kanawha County, West Virginia. The general scope of this assignment was to provide the engineering services necessary to develop a water supply study for the areas mentioned in the Application for Assistance. The objective of the study was to investigate the area's current water supply and determine whether pre-law mining has affected the water supply to this area.

The **Lewis County EDA Phase II Waterline Feasibility Study** project was located in Lewis County, West Virginia. The general scope of this assignment was to provide the engineering services necessary to develop a water supply study for the areas mentioned in the Application for Assistance. The objective of the study was to investigate the area's current water supply and determine whether pre-law mining has affected the water supply to this area.

The **Kanawha County RDA Waterline Feasibility Study** project was located in Kanawha County, West Virginia. The general scope of this assignment was to provide the engineering services necessary to develop a water supply study for the areas mentioned in the Application for Assistance. The objective of the study was to investigate the area's current water supply and determine whether pre-law mining has affected the water supply to this area.

The **Birch River PSD Waterline Feasibility Study** project was located in Clay County and Nicholas County, West Virginia. The general scope of this assignment was to provide the engineering services necessary to develop a water supply study for the areas mentioned in

the Application for Assistance. The objective of the study was to investigate the area's current water supply and determine whether pre-law mining has affected the water supply to this area.

Additionally, we have completed the survey and mapping for hundreds of projects across the State of West Virginia in the last five years.

3. Mead & Hunt proposes Curtis Paxton as its Project Manager for this assignment.

4. Mead & Hunt has performed this type of work for over 125 years.

II. Mead & Hunt has extensive knowledge and experience in the following areas:

A. Mead & Hunt has developed Topographic Mapping from field survey as well as from Aerial Photographs on hundreds of projects. Mead & Hunt proposes to use Kucera International, Inc. as a sub-consultant to provide aerial mapping services for this project. Kucera International, Inc. has provided the aerial photography and aerial mapping services for many WVDEP AML projects.

B. Mead & Hunt has developed Boundary and Property Surveys for hundreds of projects across the State of West Virginia in the last five years.

III. All work prepared under this contract will be performed under the direction and reviewed by a Licensed Professional Engineer or Licensed Land Surveyor. His stamp and signature will be affixed to the cover sheet of all contract documents.

## Solicitation Forms



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

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

**BID RECEIVING LOCATION**

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

**VENDOR**

**Vendor Customer Code:**

**Vendor Name :** Mead & Hunt, Inc.

**Address :** 400 Tracy Way

**Street :**

**City :** Charleston

**State :** WV **Country :** **Zip :** 25311

**Principal Contact :** James A Bumgarner, Jr.

**Vendor Contact Phone:** 681-6313-4608 **Extension:**

**FOR INFORMATION CONTACT THE BUYER**

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

<b>Vendor Signature X</b>		<b>FEIN#</b> 39-0793822	<b>DATE</b> 8-20-25
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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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**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) James A. Bumgarner, JR.

(Address) 400 Tracy Way, Charleston, WV 25311

(Phone Number) / (Fax Number) 304-681-4608

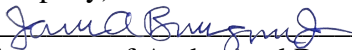
(email address) jamie.bumgarner@meadhunt.com

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

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

Mead & Hunt, Inc.

(Company)



(Signature of Authorized Representative)

James A. Bumgarner, Jr.

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

681-313-4608

(Phone Number) (Fax Number)

jamie.bumgarner@meadhunt.com

(Email Address)

**ADDENDUM ACKNOWLEDGEMENT FORM**  
**SOLICITATION NO.:**

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

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

Addendum Numbers Received:

*(Check the box next to each addendum received)*


- ☒ Addendum No. 1
- ☐ Addendum No. 2
- ☐ Addendum No. 3
- ☐ Addendum No. 4
- ☐ Addendum No. 5

- ☐ Addendum No. 6
- ☐ Addendum No. 7
- ☐ Addendum No. 8
- ☐ Addendum No. 9
- ☐ Addendum No. 10

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

**Mead & Hunt, Inc.**

\_\_\_\_\_  
Company



\_\_\_\_\_  
Authorized Signature

**8-20-25**

\_\_\_\_\_  
Date

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



## WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION

## AML CONSULTANT QUALIFICATION QUESTIONNAIRE

Attachment "B"

PROJECT NAME AML - EOI Pre-Qualification for Consultants		DATE (DAY, MONTH, YEAR) 20, August, 2025		FEIN 39-0793822																																					
1. FIRM NAME Mead & Hunt, Inc.		2. HOME OFFICE BUSINESS ADDRESS 2440 Deming Way, Middleton, WI, 53562		3. FORMER FIRM NAME RPM Engineers, Inc.																																					
4. HOME OFFICE TELEPHONE 608-273-6380	5. ESTABLISHED (YEAR) 1900	6. TYPE OWNERSHIP Corporation		6a. WV REGISTERED DBE (Disadvantaged Business Enterprise) NO																																					
7. PRIMARY AML DESIGN OFFICE: ADDRESS/ TELEPHONE/ PERSON IN CHARGE/ NO. AML DESIGN PERSONNEL EACH OFFICE 400 Tracy Way, Suite 200 Charleston, WV 25311/304-345-6712/ James A. Bumgarner, Jr. / 16																																									
8. NAMES OF PRINCIPAL OFFICERS OR MEMBERS OF FIRM Andy Platz, PE - CEO Amy Squitieri, PE - COO, President Richard E. Plymale, Jr., PE - Vice President			8a. NAME, TITLE, & TELEPHONE NUMBER - OTHER PRINCIPALS None																																						
9. PERSONNEL BY DISCIPLINE																																									
<table border="0"> <tr> <td><u>80</u> ADMINISTRATIVE</td> <td><u>          </u> ECOLOGISTS</td> <td><u>          </u> LANDSCAPE ARCHITECTS</td> <td><u>42</u> STRUCTURAL ENGINEERS</td> </tr> <tr> <td><u>          </u> ARCHITECTS</td> <td><u>          </u> ECONOMISTS</td> <td><u>          </u> MECHANICAL ENGINEERS</td> <td><u>13</u> SURVEYORS</td> </tr> <tr> <td><u>          </u> BIOLOGIST</td> <td><u>          </u> ELECTRICAL ENGINEERS</td> <td><u>          </u> MINING ENGINEERS</td> <td><u>69</u> TRAFFIC ENGINEERS</td> </tr> <tr> <td><u>72</u> CADD OPERATORS</td> <td><u>9</u> ENVIRONMENTALISTS</td> <td><u>          </u> PHOTOGRAMMETRISTS</td> <td><u>97</u> PROJECT MANAGERS</td> </tr> <tr> <td><u>          </u> CHEMICAL ENGINEERS</td> <td><u>          </u> ESTIMATORS</td> <td><u>          </u> PLANNERS: URBAN/REGIONAL</td> <td><u>743</u> OTHER</td> </tr> <tr> <td><u>158</u> CIVIL ENGINEERS</td> <td><u>          </u> GEOLOGISTS</td> <td><u>          </u> SANITARY ENGINEERS</td> <td></td> </tr> <tr> <td><u>52</u> CONSTRUCTION INSPECTORS</td> <td><u>          </u> HISTORIANS</td> <td><u>          </u> SOILS ENGINEERS</td> <td></td> </tr> <tr> <td><u>          </u> DESIGNERS</td> <td><u>          </u> HYDROLOGISTS</td> <td><u>          </u> SPECIFICATION</td> <td></td> </tr> <tr> <td><u>          </u> DRAFTSMEN</td> <td></td> <td><u>          </u> WRITERS</td> <td><u>1376</u> TOTAL PERSONNEL</td> </tr> </table>						<u>80</u> ADMINISTRATIVE	<u>          </u> ECOLOGISTS	<u>          </u> LANDSCAPE ARCHITECTS	<u>42</u> STRUCTURAL ENGINEERS	<u>          </u> ARCHITECTS	<u>          </u> ECONOMISTS	<u>          </u> MECHANICAL ENGINEERS	<u>13</u> SURVEYORS	<u>          </u> BIOLOGIST	<u>          </u> ELECTRICAL ENGINEERS	<u>          </u> MINING ENGINEERS	<u>69</u> TRAFFIC ENGINEERS	<u>72</u> CADD OPERATORS	<u>9</u> ENVIRONMENTALISTS	<u>          </u> PHOTOGRAMMETRISTS	<u>97</u> PROJECT MANAGERS	<u>          </u> CHEMICAL ENGINEERS	<u>          </u> ESTIMATORS	<u>          </u> PLANNERS: URBAN/REGIONAL	<u>743</u> OTHER	<u>158</u> CIVIL ENGINEERS	<u>          </u> GEOLOGISTS	<u>          </u> SANITARY ENGINEERS		<u>52</u> CONSTRUCTION INSPECTORS	<u>          </u> HISTORIANS	<u>          </u> SOILS ENGINEERS		<u>          </u> DESIGNERS	<u>          </u> HYDROLOGISTS	<u>          </u> SPECIFICATION		<u>          </u> DRAFTSMEN		<u>          </u> WRITERS	<u>1376</u> TOTAL PERSONNEL
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<b>TOTAL NUMBER OF WV REGISTERED PROFESSIONAL ENGINEERS IN PRIMARY OFFICE: <u>16</u></b> <b>*RPEs other than Civil and Mining must provide supporting documentation that qualifies them to supervise and perform this type of work.</b>																																									
Mead & Hunt offers several planners, surveyors, engineers, and construction inspectors as WV-AML Design Teams within our Charleston, WV office to perform the planning, realty, engineering design and construction oversight of this project. Any project awarded to Mead & Hunt will be completed by our staff in our Charleston, WV office. We have put together a highly qualified staff of civil engineers, surveyors, environmentalists, geologists, and CADD technicians that have prepared surveying, environmental documents, construction plans, construction specifications, contract documents, estimates, and performed the construction inspection of <b>hundreds</b> of projects across the state of West Virginia.																																									
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".

[illegible]

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

YES Description and Number of Projects: Members of our engineering staff have completed eight (8) AML Projects. These projects involved the preparation of constructions drawings for sediment and erosion control measures, clearing and grubbing, drainage structures, grading, water quality testing, stabilizing structures with grout/concrete, and installing mine seals.

NO

B. Are your firm's personnel experienced in Soil Analysis?

YES Description and Number of Projects: Members of our engineering staff have performed soil analyses on many civil engineering projects.

NO

C. Are your firm's personnel experienced in hydrology and hydraulics?

YES Description and Number of Projects: Our engineers have significant experience in performing hydrologic analyses, channel designs, culvert designs, storm drain system designs, erosion and sediment control pond designs, storm water management structure designs, hydraulic river analysis utilizing HEC-RAS, preparation of Hydrology and Hydraulics (H&H) reports, evaluating scour at structures, and natural stream design. Our engineers have completed H & H designs on numerous projects.

NO

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

YES Description and Number of Projects:

NO Mead & Hunt does produce Aerial Photography and develop contour mapping. When aerial photography is not available for a project, we usually employ a subcontractor to develop the photography. Mead & Hunt does have a survey crew on staff and have developed contour mapping from topographic surveys on dozens of projects.

E. Are your firm's personnel experienced in domestic waterline design? (Include any experience in evaluation of aquifer degradation as a result of mining.)

YES Description and Number of Projects: Members of our engineering staff have completed hundreds waterline design projects for local municipalities. These waterline projects involved the preparation of construction drawings, estimates, and specifications. These projects also required Bureau for Public Health permits.

NO

F. Are your firm's personnel experienced in Acid Mine Drainage Evaluation and Abatement Design?

YES Description and Number of Projects:

NO Mead & Hunt does not have any specific experience in Acid Mine Drainage Evaluation and Abatement Design.

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.) <i>Bumgarner, James A. Jr.</i> <i>Project Manager</i>	YEARS OF EXPERIENCE		
	YEARS OF AML DESIGN EXPERIENCE:	YEARS OF AML RELATED DESIGN EXPERIENCE:	YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE:
	6	27	5

Brief Explanation of Responsibilities

*Jamie will be the Project Manager and will perform all Quality Control for this project. He will be the point of contact with WVDEP AML&R staff. He will monitor the design schedule and will take all necessary measures to make certain that all agreed upon design schedules are met. These measures shall include staffing levels, staffing changes, and shifting of priorities. He will ensure that QC audits are performed as outlined in Mead & Hunt's internal Project Design Quality Management Plan. He will maintain proper filing, coding, and maintenance of all project documentation in an organized fashion to make it retrievable during and after the project. He will manage all team personnel and resources including design engineering subconsultants. These management activities include, but are not limited to assignment of responsibilities, oversight and evaluation of design quality and quantity, and review of billable hours.*

EDUCATION (Degree, Year, Specialization)

*Associate in Applied Science, 1995, Computer-Aided Drafting and Design*  
*Bachelor of Science, 1998, Civil Engineering*  
*Master of Business Administration, 2003, Business*

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS  
*American Council of Engineering Companies*

REGISTRATION (Type, Year, State)  
*Professional Engineer, 2003, West Virginia*  
*Professional Engineer, 2005, Ohio*  
*Professional Engineer, 2006, South Carolina*  
*Professional Engineer, 2009, Maryland*

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		

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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.) <i>Plumley, Matthew, L., PE Civil Engineer</i>	YEARS OF EXPERIENCE		
	YEARS OF AML DESIGN EXPERIENCE:4	YEARS OF AML RELATED DESIGN EXPERIENCE:19	YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE:1

Brief Explanation of Responsibilities  
*Matt will be one of the design engineers for this project. He was recently one of the lead design engineers on the Stephenson (Mills) Subsidence and Hughes Creek Portals projects and for several Waterline Feasibility Studies that we completed for AML&R. He will assist the Project Manager in various engineering services including preparation of construction plans, erosion control, and Civil3D grading design. He will also perform calculations necessary for reclamation design, drainage design, and earthwork. He will also assist in the preparation of the project specifications and detailed cost estimates.*

EDUCATION (Degree, Year, Specialization)  
*Bachelor of Science, 2005, Civil Engineering*

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS  
*American Council of Engineering Companies*

REGISTRATION (Type, Year, State)  
*Professional Engineer, 2010, 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.) <i>Boyd, Jason M., P.E., MBA Project Designer</i>	YEARS OF EXPERIENCE		
	YEARS OF AML DESIGN EXPERIENCE:2	YEARS OF AML RELATED DESIGN EXPERIENCE:26	YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE: 0

Brief Explanation of Responsibilities  
*Jason's civil engineering experience includes roadway design, Civil3D grading design, geometric layouts, utility relocation design, maintenance of traffic, plan preparation/presentation, quantity/cost estimates, drainage design, hydrologic procedures, pavement/deck drainage, inlet spacing computations, channels, culverts, storm drains, and stormwater management.*

EDUCATION (Degree, Year, Specialization)  
*Master of Business Administration, 2003, Business  
 Bachelor of Science, 1999, Civil Engineering*

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS

REGISTRATION (Type, Year, State)  
*Professional Engineer, 2009, 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.) <i>Curtis Paxton</i> <i>Lead Surveyor</i>	YEARS OF EXPERIENCE		
	YEARS OF AML DESIGN EXPERIENCE:0	YEARS OF AML RELATED DESIGN EXPERIENCE:27	YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE:0

Brief Explanation of Responsibilities  
*Curtis will serve as the lead surveyor for this project. He has over 13 years of survey experience and has performed surveys in every county in West Virginia. Mr. Paxton has over 13 years of AutoCAD experience related to the surveying field. .*

EDUCATION (Degree, Year, Specialization)

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS <i>West Virginia Society of Professional Surveyors (WVSPS)</i>	REGISTRATION (Type, Year, State)
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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.) <i>Carte, Darren, J.</i> <i>CADD Operator</i>	YEARS OF EXPERIENCE		
	YEARS OF AML DESIGN EXPERIENCE:0	YEARS OF AML RELATED DESIGN EXPERIENCE:26	YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE: 0

Brief Explanation of Responsibilities  
*Mr. Carte will serve as a CADD Operator on this project. He will prepare the engineering drawings for this project.*

EDUCATION (Degree, Year, Specialization)  
*Associate in Applied Science, 1997, Computer-Aided Drafting and Design*

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS <i>American Council of Engineering Companies</i>	REGISTRATION (Type, Year, State) <i>Transportation Engineering Technician, 2001, West Virginia</i>
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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

AutoCAD Civil3D

MicroStation GEOPAK, InRoads, OpenRoads, OpenBridge and ContextCapture

ArcGIS

MIDAS

HEC-RAS

GuideSIGN

Auto TURN

Synchro

VISSIM

Bentley LumenRT

StormCAD

CivilStorm

ProjectWise

AutoCAD Civil3D

MicroStation GEOPAK, InRoads, OpenRoads, OpenBridge and ContextCapture


## 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
Ingleside Bridge, Morgan County, WV	WVDOH 1900 Kanawha Blvd East Charleston, WV 25305	Prime design consultant	\$2,000,000	0%
Greenbag Road	WVDOH 1900 Kanawha Blvd East Charleston, WV 25305	Prime design consultant	\$800,000	85%
Ingleside Road Bridge	WVDOH 1900 Kanawha Blvd East Charleston, WV 25305	Prime design consultant	\$2,000,000	50%
TOTAL NUMBER OF PROJECTS: 3			TOTAL ESTIMATED CONSTRUCTION COSTS: \$4,800,000	



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

PROJECT NAME, TYPE AND LOCATION	NATURE OF FIRMS RESPONSIBILITY	NAME AND ADDRESS OF OWNER	ESTIMATED COMPLETION DATE	ESTIMATED CONSTRUCTION COST	
				ENTIRE PROJECT	YOUR FIRMS RESPONSIBILITY
DUNBAR TOLL BRIDGE, Kanawha County, WV	Subconsultant providing survey, mapping, planning, and engineering design.	WVDOH 1900 Kanawha Blvd East Charleston, WV 25305	December 2026	\$100+ million	\$30 million
Charleston City Bridge Bundle, Kanawha County, WV	Subconsultant providing survey, mapping, planning, and engineering design.	WVDOH 1900 Kanawha Blvd East Charleston, WV 25305	December 2025	\$30+ million	\$10 million

17.	COMPLETED WORK WITHIN LAST 5 YEARS ON WHICH YOUR FIRM WAS THE DESIGNATED ENGINEER OF RECORD
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[illegible]

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.

20. The foregoing is a statement of facts.

Signature: James A. Bumgarner, Jr.

Title: Vice President

Printed Name: James A. Bumgarner, Jr.

Date: 8-20-25

AML and RELATED PROJECT EXPERIENCE MATRIX																										
PROJECT	Exp. Basis C=Corp. P=Personal *	Additional Info Provided in Section (s) **	PROJECT EXPERIENCE REQUIREMENTS																	PRIMARY STAFF PARTICIPATION/CAPACITY *** M=Management P=Professional						
			Survey and Mapping	Abandoned Surface Mine Reclamation	Abandoned Deep Mine Reclamation	Portal/Shaft Closure	Hydrologic/Hydraulic Design/Evaluation	Remining Evaluation	Mine/Refuse Fire Abatement	Subsidence Investigation Mitigation	Hazardous Waste Disposal	Project Specifications	Water Quality Evaluation/Nitigation/Replacement	Construction Inspection/Management	Water Treatment	Equipment/Structure Removal	Stream Restoration	Geotechnical/Stability	James Bungarner, PE Vice President	Curtis Paxton, Project Manager/Realty	Andrew Buchan, Surveyor	Matthew Plumley, PE, Civil Design Engineer	Cameron Nicholas, Lead Surveyor	Darren J. Carle, TET CADD Operator		
Stephenson (Mills) Subsidence	P				X		X			X		X		X				X	M/P	P		P	P	P		
Hughes Creek Portals	P				X	X	X		X			X	X	X				X	M/P	P	P	P	P	P		
Trace Branch Refuse	P				X	X	X		X			X	X	X				X	M/P	P	P	P	P	P		
Danese Waterline Feasibility Studies	P						X					X	X					M/P			P					
Clendenin Skyview Lane Feasibility Study	P						X					X	X					M/P			P					
Lewis County EDA Feasibility Study	P						X					X	X					M/P			P					
Kanawha County RDA Feasibility Study	P						X					X	X					M/P			P					
Terry Branch Portals	P				X	X			X	X	X	X			X	X	X	M/P		M/P						
MacArthur Subsidence Phase 2	P		X															M/P	P			P				
Oldfield Branch (Hall) Drainage	P		X															M/P	P			P				
Marsh Run Portals	P		X															M/P	P			P				
Montecarlo Complex	P		X															M/P	P			P				
Conley Branch (Whitt) Landslide	P		X															M/P	P			P				
Broad Run Portals	P		X															M/P	P			P				
Little Daycamp Branch Refuse	P		X															M/P	P			P				
Little Whitestick Creek Refuse Pile	P		X															M/P	P			P				
Pierpont Refuse Pile	P		X															M/P	P			P				
Bickmore Area Complex	P		X															M/P	P			P				
Vickers Branch (Butcher) Drainage	P		X															M/P	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.																										
Attachment "C"																										

AML and RELATED PROJECT EXPERIENCE MATRIX																									
PROJECT	Exp. Basis C=Corp. P=Personal *	Additional Info Provided in Section (s) **	PROJECT EXPERIENCE REQUIREMENTS																	PRIMARY STAFF PARTICIPATION/CAPACITY *** M=Management P=Professional					
			Survey and Mapping	Abandoned Surface Mine Reclamation	Abandoned Deep Mine Reclamation	Portal/Shaft Closure	Hydrologic/Hydraulic Design/Evaluation	Remining Evaluation	Mine/Refuse Fire Abatement	Subsidence Investigation Mitigation	Hazardous Waste Disposal	Project Specifications	Water Quality Evaluation/Nitigation/Replacement	Construction Inspection/Management	Water Treatment	Equipment/Structure Removal	Stream Restoration	Geotechnical/Stability	James Bungarner, PE Vice President	Curtis Paxton, Project Manager/Realty	Andrew Buchan, Surveyor	Matthew Plumley, PE, Civil Design Engineer	Cameron Nicholas, Lead Surveyor	Darren J. Carte, TET CADD Operator	
Crany Mine Dump	P		X															M/P	P			P			
Glen Alum Complex	P		X															M/P	P			P			
Oldhouse Br. Refuse Piles	P		X															M/P	P			P			
Ridgeview (Dunlap) Portals	P		X															M/P	P			P			
Landgraff Refuse Pile	P		X															M/P	P			P			
Robson (Cales) Drainage	P		X															M/P	P			P			
Meadow Fork Open Portals	P		X															M/P	P			P			
Bickmore Refuse #2	P		X															M/P	P			P			
East Lynn (Clark) Portals	P		X															M/P	P			P			
Colliers Way	P		X				X				X						X	M/P		P	P		P		
Summit Bechtel Family National Reserve	P		X			X	X		X	X		X	X			X	X	M/P		P	P		P		
Cattle Pass	P		X				X				X						X	M/P			P				
Edwight Truss	P		X				X				X						X	M/P			P		P		
Bartley Branch	P		X				X				X						X	M/P			P		P		
Glen Jean Entrance	P		X				X				X						X	M/P			P		P		
Tarico Heights	P		X				X				X						X	M/P			P		P		
SHE-47	P		X				X				X						X	P					P		
Tabler Station	P		X				X				X						X	M/P					P		
Cabela Drive Extension	P		X				X				X						X	M/P					P		
* List whether project experience is corporate or personal based or both.																									
** Use this area to provide specific sections or pages if needed for reference.																									
*** List Primary Design personnel and their functional capacity for the projects listed.																									
Attachment "C"																									

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:	Mead & Hunt, Inc.
Tax ID #:	39-0793822
Address:	400 Tracy Way, Suite 200
City, State, & Zip:	Charleston, WV 25311
Phone Number:	681-313-4608
Email Address:	jamie.bumgarner@meadhunt.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](mailto:avshelp@osmre.gov).

**Part C: Certifying and updating information in the AVS**

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

I, James A. Bumgarner, Jr., have express authority to certify that:  
(Print Name)

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

8-20-25

Date



Signature

Vice President

Title



# 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*

**MEAD AND HUNT, INC.**

**C03848-00**

**Engineer in Responsible Charge: RICHARD E. PLYMALE, JR - WV PE 010785**

*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.

*Guth E. Thomas Jr.*

BOARD PRESIDENT



# WEST VIRGINIA BOARD OF PROFESSIONAL SURVEYORS



## Certificate of Authorization

Mead and Hunt, Inc.  
Charleston, WV



### CERTIFICATE OF AUTHORIZATION # 25-5784

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 03 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



# James Bumgarner, PE

VICE PRESIDENT

## Areas of Expertise

- Civil design
- Project management
- Client communication
- Plan preparation
- Civil engineering
- Roadway engineering
- Hydraulic engineering
- Drainage design

## Education

- MBA, Business Administration, Marshall University, 2003
- BS, Civil Engineering, West Virginia University, 1998, Magna cum Laude
- AAS, CADD, West Virginia State College, 1995, High Honors
- Certificate in Financial Planning, Florida State University, 2008

## Registration/Certifications

- Licensed Professional Engineer – West Virginia (#015612, 2003), Georgia (#038335), Ohio (#70524, 2005), South Carolina (#24886, 2006), Maryland (#37854, 2009), Pennsylvania (#77335, 2009), Virginia (#0402046895, 2009), Kentucky (#40561, 2025)

## Memberships

- American Council of Engineering Companies of West Virginia –
- National Director, Board of Directors, July 2020 to July 2022
- President, Board of Directors, July 2016 to July 2020
- Chair, Bylaw Committee, May 2016
- Secretary/Treasurer, Board of Directors, July 2014 to June 2016
- Past Chair, Transportation Division, July 2010 to June 2011
- Chair, Transportation Division, July 2009 to June 2010
- Officer, Board of Directors, July 2009 to June 2010
- Chair, Design-Build Committee, May 2007 to Present
- Member, Drainage Manual Committee, May 2006 to Present

James Bumgarner brings 26 years of civil engineering experience to this project. As a project manager, roadway engineer, and hydraulic engineer, James has performed various duties associated with the preparation of plans, specifications, and estimates for various projects including: drainage design, roadway design, right of way plan preparation, geometric layout, utility relocation design, maintenance of traffic, permitting, signing and pavement marking, plan preparation/presentation, and construction cost estimates.

Specific drainage design experience includes: hydrologic procedures, pavement/deck drainage, inlet spacing computations, channels, culverts, storm drains, erosion and sediment control, storm water management, hydraulic river analysis utilizing HEC-RAS, preparation of Hydrology and Hydraulics (H&H) reports, evaluating scour at bridges, and temporary construction access/causeway design including riprap sizing.

## VICE PRESIDENT

James will apply his 27 years of project management and engineering expertise to oversee his team and keep AML informed every step of the way.

James' project management experience ranges from project assignments on master contracts to large scale, multi-million-dollar transportation designs. He knows the importance of completing the job right and on time, even when the deadlines are tight.

In addition to his technical experience, James is knowledgeable on AML requirements and standards. Being a native West Virginian, James has spent his entire career working in West Virginia and serving clients throughout the state. James has coordinated with dozens of stakeholder groups and a gamut of state and federal agencies including the Department of Natural Resources (DNR) and the USACE. With a wealth of experience and familiarity, James will be able to work on AML's behalf to see this contract through from start to finish.

## PROJECT EXPERIENCE

### Greenbag Road Widening, Design Study, NEPA West Virginia Division of Highways Monongalia County, West Virginia

James is the project manager for the planning phase of the project which includes the preparation of a Design Study, NEPA documentation, Contract Plans, and related documents for a roadway widening and intersection improvement project on County Route (CR) 857 (Greenbag Road) in Monongalia County. Project length is approximately 3.0 miles and extends from the intersection with United States Route (US) 119 to W I/S with 857/1 (Mississippi Street) and a segment from the I/S with Jonathan Lane to West Virginia Route (WV) 7.

### **Presentations**

- "Floodplain Coordination for Big Darby Creek (National Scenic River)," Ohio Transportation Engineering Conference, October 2017

### **Levee Operation and Maintenance Manual Revisions**

#### **City of Huntington**

#### **Huntington, West Virginia**

James served as the project manager. Mead & Hunt completed the 44 CFR 65.10(b) Design Criteria Certification Materials for the Federal Emergency Management Agency (FEMA). Mead & Hunt was retained by the City to revise their Flood Control Project Operation and Maintenance Manual to bring the manual up to current conditions. This manual was last updated in 1952. Mead & Hunt was responsible for converting the existing Flood Control Project Operation and Maintenance Manual from the PDF format to Microsoft Word format; making corrections and additions based on current conditions; submitting draft manuals to the City for review; incorporating all comments from the City; and submitting final manuals and Word documents to the City.

#### **Reclamation, Stephenson (Mills)**

#### **West Virginia Department of Environmental Protection, Office of**

#### **Abandoned Mine Lands & Reclamation**

#### **Wyoming County, West Virginia**

As project manager and lead civil engineer, James was responsible for the engineering services necessary to design the reclamation activities needed to abate the problems associated with the mine subsidence at the site. The required services included performing surveying and mapping of the project site, developing a subsidence control/prevention plan, and developing plans and specifications for the construction project.

#### **Water Study, Danese Public Service District Waterline Feasibility Study**

#### **West Virginia Department of Environmental Protection, Office of**

#### **Abandoned Mine Lands & Reclamation**

#### **Fayette County, West Virginia**

James was project manager and lead civil engineer responsible for the engineering services necessary to investigate the area's current water supply and determine whether pre-law mining has affected the water supply to the area. The required services included the performing mine map research, conducting interviews of residents in the area, obtaining water samples from residents in the area, overseeing laboratory testing of the samples, and preparing reports summarizing the conclusions of the study.

#### **Water Study, Clendenin Skyview Lane Waterline Feasibility Study**

#### **West Virginia Department of Environmental Protection, Office of**

#### **Abandoned Mine Lands & Reclamation**

#### **Kanawha County, West Virginia**

James served as project manager and lead civil engineer responsible for the engineering services necessary to investigate the area's current water supply and determine whether pre-law mining has affected the water supply to the area. The required services included the performing mine map research, conducting interviews of residents in the area, obtaining water samples from residents in the area, overseeing laboratory testing of the samples, and preparing reports summarizing the conclusions of the study.



# Teresa Schuller, LRS

## ENVIRONMENTAL PROJECT MANAGER

### Areas of Expertise

- Telecommunication towers
- NEPA and Phase I ESAs
- PFAS Investigation and Remediation Oversight
- COE and state permitting
- Phase I and II ESAs
- Storm water permitting
- Air permitting
- Risk assessment
- Environmental research
- Analytical chemistry
- Project management

### Education

- MS, Chemistry, West Chester University, 1983
- BS, Chemistry, Eastern Illinois University, 1979

### Registration/Certifications

- Licensed Remediation Specialist, West Virginia (LRS 174, 2004)

### Memberships

- Western PA/WV AWMA
- VA Wireless Association
- PA Wireless Association

### Credentials

- Continued education in specialized training and management courses
- ISO 9000 Quality Training
- OSHA 40 hour certification (HAZWOPER).
- OSHA HAZWOPER Instructor
- ODOT Waterways Permits Training Course 2016
- Project management training courses, including PSMJ
- ODOTs Managing the Environmental and Project Development Process Course 2010
- OES Regulated Materials Review 100 Course 5/2019
- OES Regulated Materials Review 200 Course 5/2019
- OES Regulated Materials Review 300 Course 5/2019

Teresa Schuller brings 41 years of experience in environmental research as well as state and consulting experience. As an analytical chemist, her research included organic and inorganic compounds' fate and degradation in soil, surface water, sediment, and ground water. Teresa served as project management of multi-faceted domestic and international mergers and acquisition projects. She managed manuals preparation (pollution, prevention, and control (PPC); spill, prevention, control, and countermeasure (SPCC); spill response, ground water protection plan, etc.). Teresa conducted environmental and Occupational Safety and Health Administration training. She also managed more than 1,500 telecommunications tower siting projects in West Virginia, Kentucky, Ohio, Pennsylvania, Maryland, and Virginia. Siting included Phase I Environmental Assessments (EA) and National Environmental Protection Agency (NEPA) compliance. Teresa prepared Regulation 13 air applications for various industries and Title V applications for landfill as well as tier II and III air submission for industries. She managed and prepared U.S. Army Corps of Engineers (USACE) permits for a variety of projects and assisted concrete and timber industries with storm water permitting and discharge monitoring report compliance. She was project manager for various general civil engineering projects and construction management projects. In addition, Teresa was responsible for permitting and construction management of housing authority redevelopment projects and an energy sector-compressor station. She possesses 14 years of experience in applicable risk assessment work conducting and managing over 100 various types of risk assessments for industry and Potentially Responsible Parties (PRP) committees. Teresa managed, prepared, and defended Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) and Resource and Conservation Recovery Act (RCRA) risk assessments.

### PFAS EXPERIENCE

Teresa Schuller brings 39 years of experience in environmental research as well as state and consulting experience. She serves as a technical resource for the PFAS Work Group at Mead & Hunt on site investigation, remediation, risk, and technical aspects related to emerging contaminants. Teresa has given multiple presentations on PFAS at state aviation conferences across the country. She has 14 years of experience in applicable risk assessment work conducting and managing over 100 various types of risk assessments for industry and Potentially Responsible Parties (PRPs). Teresa managed, prepared and defended more than 100 projects related to Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) and Resource and Conservation Recovery Act (RCRA) risk assessments.

### PROJECT EXPERIENCE

**Presentations**

- AIA meeting – Environmental and Developer Issues Training Course
- Internal PFAS Webinar at Mead & Hunt
- PFAS presentations at Airport Regional and State Conferences
- Evaluate PFAS-Free AFFF Alternatives, Denver International Airport (DEN) – Denver, Colorado
- PFAS Investigation, Buchanan Field Airport (CCR) – Concord, California
- Regulatory Framework Plan Development, Austin International Airport (AUS) – Austin, Texas
- Investigations into Extent and Sources of PFAS Contamination at the Cocoa Beach Water Reclamation Facility, – City of Cocoa Beach, Florida

**State of West Virginia Executive Office BTOP Broadband****Grant #2672****NEPA, EA, FONSI****West Virginia**

Teresa managed the environmental work for the State of West Virginia Broadband grant from the NTIA. The grant amount is \$126 million to provide 12 new telecommunication towers to the Homeland Security Network (microwave) and 1,000 miles of fiber to add broadband service to 1,064 anchor tenants (schools, hospitals, libraries, etc.). The work involved the preparation of an EA for the project with specialized negotiations with USFWS, WVDNR, National Forest Agency, SHPO, THPOs (Native American tribes), COE, and WVDEP to obtain clearance letters. The work began in March 2010 with the FONSI issued in February 2011. Teresa will also be responsible for approving fiber construction; tower construction; inspections of towers for E&SC measures; inspections of USFWS and WVDNR RTE species on fiber builds; modifications of the EA for project changes; and coordination with the State of West Virginia's project manager from 2011-2013. Maintenance of files and documents for federal audits are required.

**Telecommunications Tower Siting****Various National and Regional Carriers****West Virginia, Virginia, Ohio, Kentucky, Maryland, Pennsylvania**

Teresa managed more than 2,500 telecommunications tower siting projects. Tasks included Phase I Environmental Assessments (EAs), National Environmental Policy Act (NEPA) Checklists, NEPA, State Historic Preservation Offices, Tribal Historic Preservation Officers, United States Fish and Wildlife Services and State Department of Natural Resources Clearance Environmental Assessments, and Federal Communications Commission's clearances. The EAs followed a modified US ACOE report structure.

**FEMA EA/FONSI for Four Towers****WV Division of Homeland Security****Various Counties, West Virginia**

Teresa managed and prepared a FEMA EAs for four proposed towers to meet FEMA grant funding requirements. Following federal and local 30-day notices, FEMA granted FONSI to allow construction of the towers.



# Matthew Plumley, PE

DESIGN ENGINEER

## Areas of Expertise

- Civil engineering
- Drainage design
- Roadway design
- Bridge Hydraulic design
- Bridge replacement
- Bridge relocation

## Education

- BS, Civil Engineering, West Virginia University Institute of Technology, 2005

## Registration/Certifications

- Licensed Professional Engineer – West Virginia (#18468, 2009)
- Virginia (#0402062656, 2020)

Matt has 20 years of civil engineering experience. He has served as project manager on multiple roadway design and bridge replacement projects. He has prepared design studies and construction plans, right-of-way plans, erosion and sediment control plans, environmental permits, maintenance of traffic schemes, signing and pavement marking layouts, and utility relocations. He has also performed calculations necessary for roadway design, drainage design, earthwork, pavement, signing and pavement markings, and detailed cost estimates.

Most recently, Matt served as lead roadway/hydraulics engineer for the Shilling Bridge, Kausooth Bridge, Birds Creek Slab, Browns Creek Bridge, Ashland Timber Bridge, Spohrs Crossroads Bridge, Webster Road Turning Lanes, Gimlet Hollow Bridge, Colonel Justice Chambers Bridge, Letart Concrete T-Beam Bridge, Hominy Creek Bridge, Gerald R. Freeman Bridge, and John Blue Bridge projects.

## PROJECT EXPERIENCE

### Transportation Design, The Summit Bechtel Family National Scout Reserve

#### Boy Scouts of America Fayette County, West Virginia

Matt was a drainage designer on this prominent project covering more than 15 miles of roadway design on new alignment, 17 miles of pedestrian trail design and the design of a 600-foot, five-span concrete arch bridge over a recreational lake. The Summit Bechtel Family National Scout Reserve will be home to a high-adventure base camp and national Scout leadership programs, as well as the permanent hosting spot for the National Scout Jamboree beginning in 2013 and 2019 World Scout Jamboree. The total construction cost for the transportation portion has been estimated at more than \$30 million.

### Bridge Relocation, Hartland Bridge West Virginia Division of Highways (WVDOH) Clay County, West Virginia

Matt was responsible for the development of construction plans, temporary traffic control plans, signing and pavement marking plans, roadway quantities, pavement design, drainage design, right-of-way plans, retaining wall layout, United States Army Corps of Engineers (USACE) and National Pollutant Discharge Elimination System (NPDES) permit documents, a hydraulic analysis report utilizing HEC RAS, and a detailed cost estimate.





# Curtis G. Paxton

PROJECT MANAGER

## Areas of Expertise

- Roadway and bridge design surveys
- Site design surveys
- Transmission line surveys
- Cellular tower site construction
- Cellular tower collocation surveys

## Education

- High School Diploma, Spencer High School, 1991

## Memberships

- West Virginia Society of Professional Surveyors
- United States Army National Guard - Operation Iraqi Freedom Combat Veteran

Curtis has served as survey manager and survey party crew chief on various surveys including boundary, ALTA/ACSM land title surveys, condemnation surveys, WVDOH design projects, GPS aerial control, topographical, construction and building layouts, wireless communications projects, sewer and waterline extensions, construction layout, and topographic site surveys. Curtis has over 30 years of experience related to the surveying and AutoCAD field.

## SURVEY/REALTY

Curtis has served as survey manager and survey party crew chief on various projects throughout West Virginia for more than 30 years. His projects have included boundary, ALTA/ACSM land title surveys, condemnation surveys, WVDOH design projects, GPS aerial control, topographical, construction and building layouts, wireless communications projects, sewer and waterline extensions, construction layout, and topographic site surveys. As an active participant in field collection and mapping, Curtis is skilled in using AutoCAD and MicroStation software to process data and prepare plats and base mapping. He uses the latest surveying methods, including Real Time Kinematic GPS and Robotic Total Stations. He routinely performs topographic, utility, and right-of-way surveys as well as survey calculations. Curtis has served as survey party crew chief, project manager, and survey manager on a variety of bridge design projects.

## PROJECT EXPERIENCE

### Surveying and Mapping Projects

#### West Virginia Department of Environmental Protection (WVDEP) West Virginia

Curtis served as project manager, and survey manager on a variety of surveying and mapping projects for the WVDEP. Total of 79 projects.

- South Mapping Contract (2013-2016, and 2021-Present).
- North Mapping Contract (2013-2016, and 2021-2024).

### Abandoned Mine Land Reclamation Design Surveys

#### West Virginia Department of Environmental Protection (WVDEP) West Virginia

Curtis, as a project manager on a variety of mine reclamation design projects for the WVDEP. Representative projects include:

- Hughes Creek (Burke-Quinn) Portals
- Trace Branch Refuse Pile
- MacArthur Subsidence Phase 2
- Little Whitestick Creek Refuse Pile
- Little Daycamp Branch Refuse
- Montecarlo Complex
- Pierpont Refuse Pile

- Marsh Run Portals
- Broad Run Portals
- Bickmore Area Complex
- Amigo Portals
- Conley Branch (Whitt) Landslide
- Oldfield Branch (Hall) Drainage
- Vickers Branch (Butcher) Drainage
- Red Warrior Gob & Slide
- Switzer (Ellis) Drainage
- Cow Creek (Browning) Portals
- Bickmore Refuse #2
- Meadow Fork Open Portals
- East Lynn (Clark) Portals
- Ridgeview (Dunlap) Portals
- Glen Alum Complex
- Crany Mine Dump
- Oldhouse Branch Refuse Pile
- Landgraff Refuse Pile
- Triple A Coals
- Harvey Energy
- Royal Scot Minerals Robson (Cales) Drainage

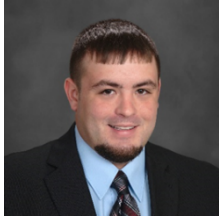
### **Site Design Surveys**

#### **West Virginia**

Curtis served as survey party crew chief and survey manager on a variety of site development and design projects for a variety of clients including:

- Thomas Memorial Hospital, South Charleston, West Virginia
- Greenbrier County Hospital, Lewisburg, West Virginia
- Gilbert Middle and High Schools, Mingo County, West Virginia
- Tri-State Greyhound Park, Kanawha County, West Virginia
- Doddridge County High School, Doddridge County, West Virginia
- Princeton Elementary School, Mercer County, West Virginia
- Summit Bechtel Family National Scout Reserve, Glen Jean, West Virginia
- Stonestreet Land Development, Cross Lanes, West Virginia
- Charleston Complex Access Utility Upgrades, Charleston, West Virginia
- The Ridge Leadership Tree Survey, Glen Jean, West Virginia
- Huntington Levee Survey, Huntington, West Virginia
- Fayette County Parking Tracts Survey, Glen Jean, West Virginia
- Gerace
- T- Mobile
- Paradigm Wireless
- Mountain State Wireless
- Andrew System Inc.





# Cameron Nicholas , PS

SURVEYOR

## Areas of Expertise

- Boundary surveys
- ALTA surveys
- Mineral surveys
- Oil and gas permits
- Pipeline Layout
- Drafting Plats
- As-built surveys
- Construction layout
- Cellular tower site surveys
- Cellular tower collocation surveys
- Network Adjustments

## Education

- BS, Natural Resource Management, Glenville State College, 2010
- AS, Land Surveying, Glenville State College, 2010

## Registration/Certifications

- West Virginia Board of Professional Surveyors (#2410)
- GIS/CAD Certification

Cameron has 15 years of experience as a land surveyor. Cameron's current responsibilities include overseeing the direction of professional land surveying activities of multiple crews, least-squares network adjustments, boundary surveys, courthouse property research, legal descriptions, drafting plats, WVDOH design surveys, AML reclamation surveys, as-built surveys, GPS aerial control, construction layout, wireless communications projects, and topographic site surveys. Cam coordinates with engineers, architects, realtors, attorneys, land managers, foresters, and construction project managers. He is experienced using Trimble survey grade GPS, and terrestrial equipment, as well as Trimble Business Center and Autodesk Civil 3d software.

## PROJECT EXPERIENCE

### **Coalfields Expressway Preliminary Investigation Engineering Study West Virginia Division of Highways & TRC Wyoming County, West Virginia**

Cameron overseen multiple surveying crews for this project that studied the remaining 47 miles of the Coalfields Expressway Corridor from Mullens in Wyoming County to the WV/VA State Line in McDowell County. Including a 3-mile connector into Twin Falls State Park. Work included mapping control, project control, locate and stake out for core drilling, hydrology surveys.

### **Capital Sports Complex ALTA Survey GAI Consultants Charleston, West Virginia**

Cameron completed a 2.08 Acre ALTA/NSPS Land Title Survey for Capital Sports Center Development Association, inc., Established aerial control for the project, and located all utilities and encroachments required.

### **WD #22 T&T Sludge FM Survey ROW Project West Virginia Department of Environmental Protection Albright, West Virginia**

Cameron established surveying control, and centerline layout for the project. Including marking and stake out for construction. Completed boundary plats with descriptions of all property purchases and easements and associated access roads.



# Andrew Buchan

SURVEYOR

## Areas of Expertise

- Horizontal/Vertical control surveys
- Topographic surveys
- Boundary surveys
- As-built surveys
- Construction layout
- Cellular tower site surveys
- Cellular tower collocation surveys
- Mine reclamation design surveys
- Transportation design surveys
- Site design surveys

## Education

- BS, Engineering Technology, West Virginia Institute of Technology, 1993
- AS, Engineering Technology, West Virginia Institute of Technology, 1990

Andrew has over 30 years of experience as a survey party crew chief. Starting out in construction layout working on large construction projects, he learned to shoulder immense responsibility, as well as how to work under constant pressure and deadlines. This work involved construction of roads, landfills, site development, airports, dams, utilities, and surface mine development and reclamation.

Moving on to consulting engineering, he learned to survey at a higher level. Working with a talented group of surveyors, engineers, and designers, he was exposed to every part of the design process. Focusing mainly on WVDOT road and bridge projects, he has worked in all parts of West Virginia. During this time, he learned to support the needs of engineers and designers doing courthouse research, horizontal and vertical control surveys, aerial mapping control, property line location, topographic surveys, stream and river studies, as well as centerline layout and referencing. He also worked on boundary surveys, ALTA/ACSM land title surveys, elevation certificates, tree surveys, water and sewer projects, airport design projects, and construction layout.

For the last 14 years, Andrew has been with Mead & Hunt working as a one-man survey crew, focusing on telecommunication projects as well as road and bridge projects for WVDOT and ODOT. Telecommunication surveys for new and existing tower sites have been done in West Virginia, Ohio, Pennsylvania, Virginia, and Kentucky. Telecommunication clients included Verizon, AT&T, Sprint, T-Mobile, US Cellular, Shentel, nTelos, and county 911. Work on DOT projects has expanded from Mead & Hunt projects to providing surveying and mapping services to other consulting engineers.

## PROJECT EXPERIENCE

### Design Surveys

#### West Virginia Division of Highways (WVDOT)

##### West Virginia

Andrew has served as survey party crew chief on a variety of transportation design projects for the WVDOT. Representative projects include:

- Meadowbrook Road Four Lane, Harrison County, West Virginia
- Corridor H Davis-Bismarck, Grant and Tucker Counties, West Virginia
- I-64 Merritts Creek to Barboursville, Cabell County, West Virginia
- I-64 29<sup>th</sup> Street to Guyandotte River, Cabell County, West Virginia
- Oakwood Road Improvements Project, Kanawha County, West Virginia
- I-70 Design-Build Bridges Project, Ohio County, West Virginia
- I-64 Design-Build (Nitro/St. Albans), Putnam County, West Virginia
- Coalfields Expressway Design-Build, Mingo County, West Virginia
- Coalfields Expressway PPP, Mingo County, West Virginia
- Mill Creek Road, Fayette and Raleigh Counties, West Virginia



## Aaron Gillispie, PE

### CONSTRUCTION SERVICES MANAGER

#### Areas of Expertise

- Transportation program management (planning, design, right-of-way, traffic, construction, operations)
- Public involvement
- Construction management
- Materials control, sampling, testing and inspection
- Technician and inspection certification
- Bridge fabrication
- Pavement design and construction

#### Education

- BS, Mechanical Engineering, West Virginia University, 1994

#### Registration/Certifications

- Licensed Professional Engineer – West Virginia, Virginia

Aaron has 30 years of leadership and construction engineering and inspection CEI experience to oversee our team and keep WVDOH informed every step of the way. Aaron serves as Construction Services Manager of Mead & Hunt's Charleston office where he manages CEI services throughout West Virginia, Virginia, Ohio, and Maryland. Aaron manages a variety of construction projects from small bridge replacements to complex interstate widening projects using a team of experienced engineers and inspectors. Aaron can report to WVDOH within minutes if needed. Aaron's previous experience enables him to operate from an owner's perspective and he is committed to working directly with the District construction staff to exceed engineering and inspection assignment expectations.

Aaron previously served as the Chief State Highway Engineer for the WVDOH, building on more than two decades of experience with the Division. As Chief Engineer, Aaron developed a strong skillset in communication as the liaison between the WVDOH and the West Virginia Legislature, public, and media. His primary responsibilities included leading the WVDOH Divisions and Districts, delivering the WVDOH development and construction program, and managing the operational aspects of transportation in West Virginia. Under Aaron's leadership, the WVDOH delivered the Roads to Prosperity Program, consisting of over \$2 billion in transportation projects throughout West Virginia. Aaron also served as the West Virginia representative on the AASHTO Council on Highways and Streets and served as the national chair of the AASHTO National Transportation Evaluation Program.

His background is in highway development and construction, including 20 years in construction materials. His responsibilities have involved pavement design and construction; roadway analysis; underwater bridge inspection; metals materials testing and certification; steel bridge fabrication and inspection; and seven years as the West Virginia State Materials Engineer. In this role, Aaron represented West Virginia on the AASHTO Subcommittee on Materials (Committee on Materials and Pavements), was the national chair of the AASHTO Product Evaluation List, and was responsible for assuring the quality of all materials incorporated into WVDOH highways projects.

Aaron also previously served as District One Engineer, responsible for managing all engineering and transportation activities associated with roadway and bridge design; right-of-way acquisition and management; construction; and maintenance of the transportation network in the Capitol District. Aaron managed all operational aspects of the District, including the equipment fleet and financial activities. Aaron managed 16 maintenance operational organizations responsible for over 4,000 miles of network and over 500 employees.