



PROPOSAL

PROFESSIONAL ENGINEERING SERVICES

ORGAS KEITH PORTALS PROJECT (DEP15603)

WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION
CHARLESTON, WEST VIRGINIA

NOVEMBER 17, 2011



Mead & Hunt, Inc.
M & H Architecture, Inc.
400 Tracy Way, Suite 200
Charleston, West Virginia 25311
304-345-6712
meadhunt.com

RECEIVED

2011 NOV 15 A 11: 24

PURCHASING DIVISION
STATE OF WV

November 14, 2011

Mr. Chuck Bowman, Buyer Supervisor
Purchasing Division
2019 Washington Street, East
PO Box 50130
Charleston, WV 25305-0130

Re: Expression of Interest for DEP 15603 – Orgas Keith Portals

Dear Mr. Bowman:

Mead & Hunt, Inc. is pleased to submit this Expression of Interest to provide professional engineering design services for the Orgas Keith Portals Project in Boone County.

We are a national company with a strong local presence in West Virginia that offers a greater depth of skills and years of experience as a full-service, full-discipline engineering design firm. We have 20 employees in our Charleston office including eight engineers, three surveyors, two CADD technicians, two environmental professionals and three support staff members. We offer one of the strongest, local civil engineering design teams in West Virginia.

Mead & Hunt engineers have prepared civil engineering design, 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 engineers have provided cost-effective, quality engineering designs for the state of West Virginia for many years. Mead & Hunt's local engineers are experts in all areas of sediment and erosion control measures, grading and drainage design and will be able to complete this project on schedule and on budget. Please give us another opportunity to serve our great state.

Mead & Hunt has developed a project specific QA/QC program to assure quality products are produced for this project. Mead & Hunt will work closely with AML to ensure that all deliverables are prepared to the highest standards...anything less will be unacceptable to our mission. Thank you for allowing our firm the opportunity to submit this Expression of Interest!

Sincerely,



Mead & Hunt, Inc.

James A. Bumgarner, Jr., P.E.
Department Manager

400 Tracy Way, Suite 200, Charleston, WV 25311
Phone (304) 345-6712 / Fax (304) 345-6714
Email: jamie.bumgarner@meadhunt.com



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

Request for Quotation

RFQ NUMBER
 DEP15603

PAGE
 1

ADDRESS CORRESPONDENCE TO ATTENTION OF:
 CHUCK BOWMAN
 304-558-2157

VENDOR

RFQ COPY
 TYPE NAME/ADDRESS HERE
 Mead & Hunt, Inc.
 400 Tracy Way, Ste 200
 Charleston, WV 25311

SHIP TO

ENVIRONMENTAL PROTECTION
 DEPARTMENT OF
 OFFICE OF AML&R
 601 57TH STREET SE
 CHARLESTON, WV
 25304 304-926-0499

| | | | | |
|----------------------------|---------------|----------|--------|---------------|
| DATE PRINTED 10/11/2011 | TERMS OF SALE | SHIP VIA | F.O.B. | FREIGHT TERMS |
|----------------------------|---------------|----------|--------|---------------|

BID OPENING DATE: 11/17/2011 BID OPENING TIME 01:30PM

| LINE | QUANTITY | UOP | CAT. NO. | ITEM NUMBER | UNIT PRICE | AMOUNT |
|--|----------|-----|----------|-------------|------------|--------|
| 0001 | 1 | JB | | 906-29 | | |
| ORGAS KEITH PORTALS DESIGN EXPRESSION OF INTEREST THE WEST VIRGINIA PURCHASING DIVISION, FOR THE AGENCY, THE WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, IS SOLICITING EXPRESSIONS OF INTEREST FOR PROFESSIONAL ENGINEERING DESIGN SERVICES AND CONSTRUCTION MONITORING SERVICES AT THE ORGAS KEITH PORTALS PROJECT IN BOONE COUNTY, WEST VIRGINIA PER THE FOLLOWING BID REQUIREMENTS AND ATTACHED SPECIFICATIONS. BANKRUPTCY: IN THE EVENT THE VENDOR/CONTRACTOR FILES FOR BANKRUPTCY PROTECTION, THE STATE MAY DEEM THIS CONTRACT NULL AND VOID, AND TERMINATE SUCH CONTRACT WITHOUT FURTHER ORDER. | | | | | | |

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

| | | |
|------------------------------------|---------------------------|-----------------------------------|
| SIGNATURE <i>Sandra Buzgala</i> | TELEPHONE 304-345-6712 | DATE 11/14/2011 |
| TITLE Department Manager | FEIN 39-0793822 | ADDRESS CHANGES TO BE NOTED ABOVE |

WHEN RESPONDING TO RFQ, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'

Corporation History and Experience

Mead & Hunt is an employee-owned firm with more than 500 professional, technical and support staff in offices nationwide, including an office in Charleston, West Virginia, with our corporate headquarters in Madison, Wisconsin. 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.

Mead & Hunt consists of Engineers, Land Surveyors, Environmental Specialists, and Inspectors that provide many years of experience in project management, survey, design, environmental and inspection. Mead & Hunt can handle multiple projects of any size with aggressive schedules. Our value to the client is our ability to provide expertise in a multitude of engineering disciplines.

Mead & Hunt's experience with abandoned mine land reclamation is highlighted below:

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.

Stabilization focused on filling the mine void with grout and/or concrete beneath the residential structure to stabilize the subsidence. Site restoration, including revegetation, was considered an integral component of the Stephenson (Mills) Subsidence stabilization project.

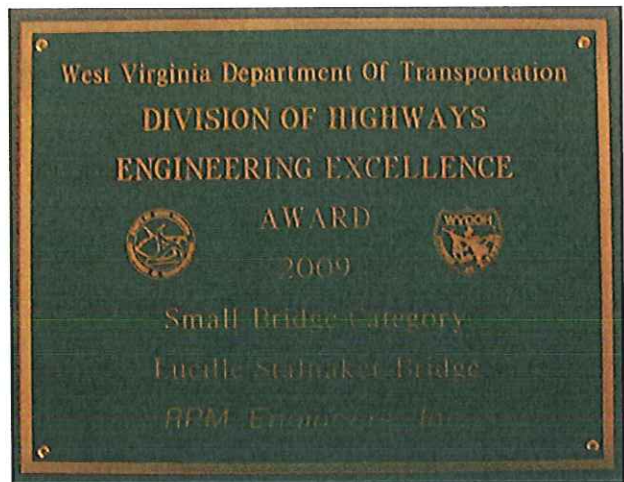
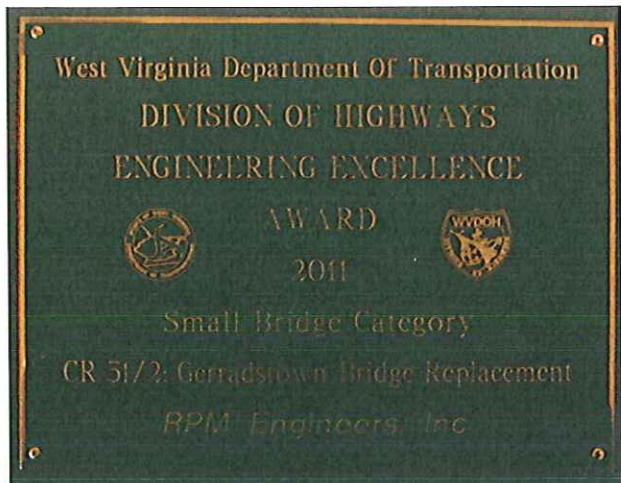
The **Hughes Creek (Burke-Quinn) Portals** project is located along Hughes Creek in Kanawha County, West Virginia, near the town of Glasgow. This project encompassed two sites. Site 1 (Burke) consisted of nine collapsed or partially collapsed mine portals. Site 2 (Quinn) consisted of three collapsed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

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 design aspects that were met in these projects were as follows:

- Clearing and grubbing at the site, and removal or burning of debris, trash, tree roots, garbage and associated materials;
- Construction and installation of support areas and maintenance of access roads to the site;
- Construction and installation of drainage control items including channels, culverts, and low-water crossings;
- Re-grading of refuse;
- Installation of wet/modified mine seals and animal guards;
- Providing sediment control;
- Placement of soil cover material on the disturbed areas and exposed refuse areas;
- Placement of lime, fertilizer, seed and mulch and establishing vegetation on all areas re-graded and disturbed during construction; and
- Final site cleanup.

Mead & Hunt is committed to providing quality products for our clients. We have recently been awarded multiple Engineering Excellence awards by the State of West Virginia for our design work for the West Virginia Department of Transportation, Division of Highways.



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

Attachment "B"

| | | |
|--|--|---|
| PROJECT NAME Orgas Keith Portals | DATE (DAY, MONTH, YEAR) 17, November, 2011 | FEIN 39-0793822 |
| 1. FIRM NAME Mead & Hunt, Inc. | 2. HOME OFFICE BUSINESS ADDRESS 6501 Watts Road Madison, Wisconsin 53719 | |
| 4. HOME OFFICE TELEPHONE 608-273-6380 | 5. ESTABLISHED (YEAR) 1900 | 6. TYPE OWNERSHIP Corporation |
| 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/Richard Plymale, PE, PS/ Six | | |
| 8. NAMES OF PRINCIPAL OFFICERS OR MEMBERS OF FIRM Rajan Sheth, PE, SE - President/CEO Richard E. Plymale, Jr., PE - Vice President Amy Squitieri - Vice President Rusty Chesmore, PE - Vice President | | |
| 9. PERSONNEL BY DISCIPLINE | | |
| 56 ADMINISTRATIVE 16 ARCHITECTS 1 BIOLOGIST 32 CADD OPERATORS CHEMICAL ENGINEERS 82 CIVIL ENGINEERS 22 CONSTRUCTION INSPECTORS DESIGNERS DRAFTSMEN | 1 ECOLOGISTS 2 ECONOMISTS 10 ELECTRICAL ENGINEERS 10 ENVIRONMENTALISTS ESTIMATORS 2 GEOLOGISTS HISTORIANS 1 HYDROLOGISTS | 1 LANDSCAPE ARCHITECTS 12 MECHANICAL ENGINEERS 21 MINING ENGINEERS PHOTOGRAMMETRISTS 34 PLANNERS: URBAN/REGIONAL 2 SANITARY ENGINEERS 2 SOILS ENGINEERS SPECIFICATION WRITERS |
| 37 STRUCTURAL ENGINEERS 21 SURVEYORS 7 TRAFFIC ENGINEERS 46 PROJECT MANAGERS 43 OTHER | | |
| 6a. WV REGISTERED DBE (Disadvantaged Business Enterprise) NO | | |
| TOTAL NUMBER OF WV REGISTERED PROFESSIONAL ENGINEERS IN PRIMARY OFFICE: <u>7</u> *RPEs other than Civil and Mining must provide supporting documentation that qualifies them to supervise and perform this type of work. | | |
| Mead & Hunt offers four WV-AML Design Team as defined by the RFQ within our Charleston, WV office to perform the engineering design 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 hundreds 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. OUTS KEY CONSULTANTS/SUB-CONSULTANTS ANTICIPATED TO BE SED. Attach "AML Consultant Qualification Questionnaire".

| NAME AND ADDRESS: | SPECIALTY: | WORKED WITH BEFORE |
|---|---|---|
| Novel Geo-Environmental, PLLC 806 B Street St. Albans, WV 25177 | Subsurface soil, rock, and groundwater testing. Utilizing a drilling rig to perform hollow stem and wet rotary borings. Geotechnical engineering design and analysis. | <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. Are your firm's personnel experienced in Abandon 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 not produce Aerial Photography or 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.) Bumgarner, James A. Jr. Project Manager | YEARS OF AML DESIGN EXPERIENCE: 4 | YEARS OF AML RELATED DESIGN EXPERIENCE: 13 | YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE: 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.) Bumgarner, Emily, E. Civil Engineer | YEARS OF AML DESIGN EXPERIENCE: 2 | YEARS OF AML RELATED DESIGN EXPERIENCE: 7 | YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE: 0 |
|---|--------------------------------------|--|---|

Brief Explanation of Responsibilities
 Emily will be the lead Hydraulic Engineer for this project. She will perform any natural stream design, drainage control channel designs, and any culvert analyses for this project. She will also use her experience as an environmental engineer for Arch Coal to provide guidance for this project.

EDUCATION (Degree, Year, Specialization)
 Bachelor of Science, 1997, Civil Engineering
 Master of Business Administration, 2002, Business
 Natural Stream Design, Level One: Stream Functions and Processes, 2002
 Natural Stream Design, Level Two: Stream Channel Assessment and Analysis, 2002
 Natural Stream Design, Level Three: Natural Stream Channel Design, 2003
 Natural Stream Design, Level Four: Advanced Natural Stream Design, 2003

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS
 American Council of Engineering Companies

REGISTRATION (Type, Year, State)
 Professional Engineer, 2003, West Virginia
 Professional Engineer, 2006, 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.) Plumley, Matthew, L., PE Civil Engineer | YEARS OF AML DESIGN EXPERIENCE: 2 | YEARS OF AML RELATED DESIGN EXPERIENCE: 7 | 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.) Boyd, Jason M., P.E., MBA Project Designer | YEARS OF AML DESIGN EXPERIENCE: 2 | YEARS OF AML RELATED DESIGN EXPERIENCE: 12 | 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.) Curtis Paxton Lead Surveyor | YEARS OF AML DESIGN EXPERIENCE:0 | YEARS OF AML RELATED DESIGN EXPERIENCE:14 | YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE:0 |
| | YEARS OF EXPERIENCE | | |

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
West Virginia Society of Professional Surveyors (WVSPS)

REGISTRATION (Type, Year, State)

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

| | | | |
|---|----------------------------------|--|---|
| NAME & TITLE (Last, First, Middle Int.) Carte, Darren, J. CADD Operator | YEARS OF AML DESIGN EXPERIENCE:0 | YEARS OF AML RELATED DESIGN EXPERIENCE:6 | YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE:0 |
| | YEARS OF EXPERIENCE | | |

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
American Council of Engineering Companies

REGISTRATION (Type, Year, State)
Transportation Engineering Technician, 2001, West Virginia

| | | | |
|--|---|--|--|
| <p>13. PERSONAL HISTORY STATEMENT OF PRINCIPALS AND ASSOCIATES RESPONSIBLE FOR AML PROJECT DESIGN (Furnish complete data but keep to essentials)</p> | | | |
| <p>NAME & TITLE (Last, First, Middle Int.) Ripp, Bryan, PE, PG, CPESC Geomorphologist</p> | <p>YEARS OF AML DESIGN EXPERIENCE:3</p> | <p>YEARS OF EXPERIENCE YEARS OF AML RELATED DESIGN EXPERIENCE:27</p> | <p>YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE:0</p> |
| <p>Brief Explanation of Responsibilities Bryan will serve as a design engineer on this project. Bryan will use his extensive civil experience to review the design and plans.</p> | | | |
| <p>EDUCATION (Degree, Year, Specialization) MS, 1984, Geological Engineering BS, 1982, Geological Engineering</p> | | | |
| <p>MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS American Society of Civil Engineers Minnesota Erosion Control Association Society of Mining, Metallurgical and Exploration, Environmental Division</p> | | | |
| <p>REGISTRATION (Type, Year, State) Licensed Professional Engineer: Illinois (1989), Indiana (2000), Minnesota (2000), Missouri (1996) and Wisconsin (2000) Licensed Professional Geologist:Arkansas (1998), Illinois (1989) and Missouri(1996) Certified Professional in Erosion and Sediment Control</p> | | | |
| <p>13. PERSONAL HISTORY STATEMENT OF PRINCIPALS AND ASSOCIATES RESPONSIBLE FOR AML PROJECT DESIGN (Furnish complete data but keep to essentials)</p> | | | |
| <p>NAME & TITLE (Last, First, Middle Int.)</p> | <p>YEARS OF AML DESIGN EXPERIENCE:</p> | <p>YEARS OF EXPERIENCE YEARS OF AML RELATED DESIGN EXPERIENCE:</p> | <p>YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE:</p> |
| <p>Brief Explanation of Responsibilities</p> | | | |
| <p>EDUCATION (Degree, Year, Specialization)</p> | | | |
| <p>MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS</p> | | | |
| <p>REGISTRATION (Type, Year, State)</p> | | | |

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

Dell Precision Workstations and Laptop Computers

HP Laser Printers

Kodak Digital Camera

Bentley MicroStation V8 2004 & XM Edition

AutocAD Civil 3D 2009

Bentley InRoads Suite XM Edition

Bentley GEOPAK Civil Engineering Suite 2004 Edition

Bentley Haestad Methods Solution Water CAD, Sewer CAD

Bentley Haestad Methods Solution Pond Pack, Culbert Master, Flow Master

Microsoft Word, Excel, Project

FHWA HY8 Culvert Analysis Version 6.1

FHWA HY8Energy Version 2 - Energy Dissipator Design Software

USACE HEC-RAS River Analysis System Version 4.0

NRCS WINTR-55

Adobe Acrobat Standard PDF Creator

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 |
|---|---|--------------------------------------|--|------------------|
| Trace Branch Refuse Pile, McDowell County, WV | WVDEP, AML&R 601 57 th Street Charleston, WV 25304 | Prime design consultant | \$250,000 | 10% |
| HARTLAND BRIDGE, Clay County, WV | WVDOH 1900 Kanawha Blvd East Charleston, WV 25305 | Prime design consultant | \$7,000,000 | 95% |
| Mill Creek Road, Fayette & Raleigh County, WV | WVDOH 1900 Kanawha Blvd East Charleston, WV 25305 | Prime design consultant | \$4,500,000 | 75% |
| CR 25/9 Upgrade, Fayette County, WV | WVDOH 1900 Kanawha Blvd East Charleston, WV 25305 | Prime design consultant | \$1,000,000 | 75% |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| TOTAL NUMBER OF PROJECTS: 4 | | | TOTAL ESTIMATED CONSTRUCTION COSTS: \$12,750,000 | |

17. CC [REDACTED] THE DESIGNATED ENGINEER OF RECORD

| PROJECT NAME, TYPE AND LOCATION | NAME AND ADDRESS OF OWNER | ESTIMATED CONSTRUCTION COST | YEAR | CONSTRUCTED (YES OR NO) |
|---|---|-----------------------------|------|-------------------------|
| Russellville Waterline Feasibility, DEP14529, Fayette County, WV | WVDEP, AML&R 601 57 th Street Charleston, WV 25304 | | 2009 | |
| Bellwood Waterline Feasibility, DEP14529, Fayette County, WV | WVDEP, AML&R 601 57 th Street Charleston, WV 25304 | | 2009 | |
| Smokey Branch Waterline Feasibility, DEP14529, Fayette County, WV | WVDEP, AML&R 601 57 th Street Charleston, WV 25304 | | 2009 | |
| Clendenin Skyview Lane Waterline Feasibility, AML2933, Kanawha County, WV | WVDEP, AML&R 601 57 th Street Charleston, WV 25304 | | 2010 | |
| Stephenson (Mills) Subsidence Stabilization, Wyoming County, WV | WVDEP, AML&R 601 57 th Street Charleston, WV 25304 | | 2009 | |
| Hughes Creek (Burke-Quinn) Portals, Kanawha County, WV | WVDEP, AML&R 601 57 th Street Charleston, WV 25304 | | 2011 | |
| Lewis County EDA Waterline Feasibility, WV | WVDEP, AML&R 601 57 th Street Charleston, WV 25304 | | 2010 | |
| Kanawha County RDA Waterline Feasibility, WV | WVDEP, AML&R 601 57 th Street Charleston, WV 25304 | | 2011 | |

18. C O M P L E T E D W O R K W I T H I N L A S T 5 Y E A R S O N W H I C H Y O U R F I R M H A S B E E N A S U B - C O N S U L T A N T T O O T H E R F I R M S (I N D I C A T E P H A S E O F W O R K F O R W H I C H Y O U R F I R M W A S R E S P O N S I B L E)

| 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 |
|--|---|--|------|-------------------------|----------------------|
| I-64 Bridge over Kanawha River, South Charleston, WV | WVDOH 1900 Kanawha Blvd East Charleston, WV 25305 | \$10,000,000 | 2006 | NO | Modjeski and Masters |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

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*

Printed Name: James A. Bumgarner, Jr.

Title: Department Manager

Date: 11/14/2011

STATE OF WEST VIRGINIA
Purchasing Division**PURCHASING AFFIDAVIT**

West Virginia Code §5A-3-10a states: No contract or renewal of any contract may be awarded by the state or any of its political subdivisions to any vendor or prospective vendor when the vendor or prospective vendor or a related party to the vendor or prospective vendor is a debtor and the debt owed is an amount greater than one thousand dollars in the aggregate.

DEFINITIONS:

"Debt" means any assessment, premium, penalty, fine, tax or other amount of money owed to the state or any of its political subdivisions because of a judgment, fine, permit violation, license assessment, defaulted workers' compensation premium, penalty or other assessment presently delinquent or due and required to be paid to the state or any of its political subdivisions, including any interest or additional penalties accrued thereon.

"Debtor" means any individual, corporation, partnership, association, limited liability company or any other form or business association owing a debt to the state or any of its political subdivisions. "Political subdivision" means any county commission; municipality; county board of education; any instrumentality established by a county or municipality; any separate corporation or instrumentality established by one or more counties or municipalities, as permitted by law; or any public body charged by law with the performance of a government function or whose jurisdiction is coextensive with one or more counties or municipalities. "Related party" means a party, whether an individual, corporation, partnership, association, limited liability company or any other form or business association or other entity whatsoever, related to any vendor by blood, marriage, ownership or contract through which the party has a relationship of ownership or other interest with the vendor so that the party will actually or by effect receive or control a portion of the benefit, profit or other consideration from performance of a vendor contract with the party receiving an amount that meets or exceeds five percent of the total contract amount.

EXCEPTION: The prohibition of this section does not apply where a vendor has contested any tax administered pursuant to chapter eleven of this code, workers' compensation premium, permit fee or environmental fee or assessment and the matter has not become final or where the vendor has entered into a payment plan or agreement and the vendor is not in default of any of the provisions of such plan or agreement.

Under penalty of law for false swearing (*West Virginia Code* §61-5-3), it is hereby certified that the vendor affirms and acknowledges the information in this affidavit and is in compliance with the requirements as stated.

WITNESS THE FOLLOWING SIGNATUREVendor's Name: Mead & Hunt, Inc.Authorized Signature: *Janet Hughes* Date: 11/14/2011State of West VirginiaCounty of Kanawha, to-wit:Taken, subscribed, and sworn to before me this 14 day of NOVEMBER, 2011.My Commission expires May 13, 2021.

AFFIX SEAL HERE

NOTARY PUBLIC

Janet Hughes