



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

**Solicitation**

|          |
|----------|
| NUMBER   |
| DEP16394 |

|      |
|------|
| PAGE |
| 1    |

|  |
|--|
| ADDRESS CORRESPONDENCE TO ATTENTION OF |
| FRANK WHITTAKER                        |
| 304-558-2316                           |

RFQ COPY

TYPE NAME/ADDRESS HERE

VENDOR

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 |
| 12/04/2013   |

BID OPENING DATE: 01/02/2014

BID OPENING TIME 1:30PM

| LINE | QUANTITY | UOP | CAT NO. | ITEM NUMBER   | UNIT PRICE | AMOUNT |
|------|----------|-----|---------|---|------------|--------|
| 0001 | 1        | JB  |         | 906-29  |            |        |
|      |          |     |         | CRANY MINE DUMP 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 CRANY MINE DUMP PROJECT IN WYOMING COUNTY, WEST VIRGINIA, PER THE FOLLOWING BID REQUIREMENTS AND ATTACHED SPECIFICATIONS. |            |        |
|      |          |     |         | ***** THIS IS THE END OF RFQ DEP16394 ***** TOTAL:  |            |        |
|      |          |     |         | 01/02/14 01:24:16PM<br>West Virginia Purchasing Division  |            |        |

|                               |                        |                                   |
|-------------------------------|------------------------|-----------------------------------|
| SIGNATURE <i>Jan A. Bruns</i> | TELEPHONE 304-345-6712 | DATE 1/2/14                       |
| TITLE Vice President          | FAX 39-0793822         | ADDRESS CHANGES TO BE NOTED ABOVE |

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



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

January 2, 2014

Mr. Frank Whittaker  
West Virginia Department of Administration  
Purchasing Division  
2019 Washington Street East  
Charleston, WV 25305-0130

**Subject: Expression of Interest for DEP16394 Crany Mine Dump**

Dear Mr. Whittaker:

Mead & Hunt, Inc. is pleased to submit this Expression of Interest to provide professional engineering design services for the Crany Mine Dump project in Wyoming County.

We are a national company with a strong local presence in West Virginia that offers years of experience as a full-service, full-discipline engineering design firm. We have 22 employees in our Charleston office including ten engineers, four surveyors, three 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 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 sediment and erosion control, grading and drainage design and will be able to complete this project on schedule and on budget.

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.

Jamie Bumgarner, PE  
Project Manager

Richard E. Plymale, Jr., PE  
Principal-in-Charge



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# QUALIFICATIONS AND EXPERIENCE

## CORPORATION HISTORY

Mead & Hunt is an employee-owned firm with more than 400 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. Principal-in-Charge Richard Plymale, PE is licensed by the State of West Virginia and will oversee the work out of our West Virginia office.

## DESCRIPTIONS OF PAST PROJECTS

During the past several years, we have been involved in the design of several exciting projects. Some of these projects include:

- **TRACE BRANCH REFUSE PILE  
MCDOWELL COUNTY, WV**

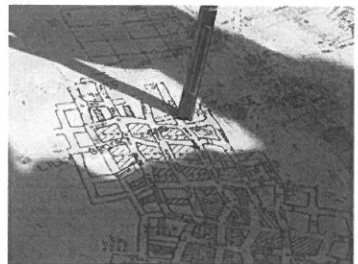
This project consisted of an abandoned refuse pile and approximately nine collapsed or partially collapsed mine portals. The goal of the project was to develop drawings and specifications to remediate an abandoned mine land problem. This project included the reclamation of the refuse pile, installation of wet mine seals and drainage conveyances for these mine portals. This project was constructed in 2012.

- **HUGHES CREEK (BURKE-QUINN) PORTALS  
KANAWHA COUNTY, WEST VIRGINIA**

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 goal of the project was to develop drawings and specifications to remediate an abandoned mine land problem. This project was constructed in 2011.

- **STEPHENSON (MILLS) SUBSIDENCE  
KANAWHA COUNTY, WEST VIRGINIA**

The Stephenson (Mills) Subsidence stabilization project consisted of stabilizing a void from abandoned underground mining beneath the residence located 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 goal of the project was to develop drawings and specifications to remediate an abandoned mine land problem. This project was constructed in 2010.

## PROPOSED STAFFING PLAN

Mead & Hunt is not currently working on any engineering design projects for AML. Our Civil Design and Environmental team is available now to serve you on this project. Please see the Organizational Chart shown in Appendix A. It is anticipated that Jamie Bumgarner, PE will serve as the Project Manager, with Matt Plumley, PE leading the civil design.



## PROPOSED PROJECT APPROACH

If your review committee selects Mead & Hunt, Inc. as the highest ranked candidate to design this project for you, we will promptly negotiate a price and sign an agreement with the WVDEP. We have never failed to negotiate a fair and reasonable contract.

We will perform an initial site visit for reconnaissance. We will prepare preliminary design plans and specifications and submit them to the AML Project Manager for review and approval within 60 days from the issuance of the Purchase Order.

It is anticipated that this design will include the following reclamation design items:

- Design of drainage conveyances
- Installation of mine seals
- Refuse reclamation
- Highwall reclamation
- Re-vegetation of disturbed areas

We will be prepared to assist you all the way through the Construction Phase of the process by: participating in the pre-bid conference, participating in the pre-construction conference, and by providing project oversight and inspection during construction.

We pledge to you that we will be accessible at all times during and after this project and that we will be receptive of your needs and input on this project.



## PROJECT QUALITY AND COST CONTROL

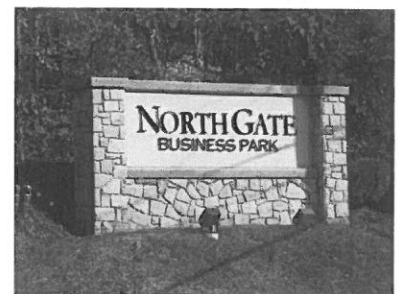
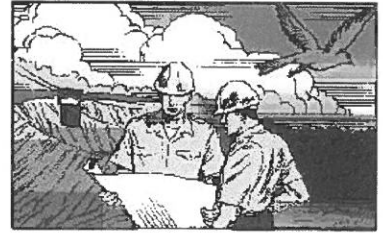
Mead & Hunt's continuous communication with the AML Project Manager will be used to produce a cost effective project completed on schedule. Mead & Hunt's approach emphasizes promoting a seamless transition from the initial project startup through final plan preparation. Our in-house check lists and QA/QC review procedures will result in clear, concise, and error free plans, thus eliminating expensive change orders.

Our Project Manager will be responsible for coordinating independent detailed reviews prior to any submissions for QA/QC compliance. An independent reviewer who was not involved in the day to day design activities will perform all Quality Control for this project. The Project Manager 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.

Our Project Manager will ensure that QC audits are performed as outlined in Mead & Hunt's internal Project Design Quality Management Plan. The Project Manager will maintain proper filing, coding, and maintenance of all project documentation in an organized fashion to make it retrievable during and after the project. The Project Manager 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.

## LOCATION OF OFFICE IN WHICH THE WORK WILL BE PERFORMED

We have a local AML design team right here in Charleston. Mead & Hunt's office is located at 400 Tracy Way, Charleston, West Virginia. This will be the location from which the progress of all work for this project will be directed and completed.





# CERTIFICATE OF AUTHORIZATION (COA)

## 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**

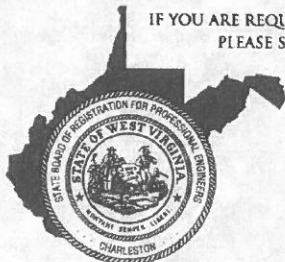
**Engineer in Responsible Charge: RICHARD PLYMALE - WV PE 010785**

*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:*

**July 1, 2013 - June 30, 2014**

*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.

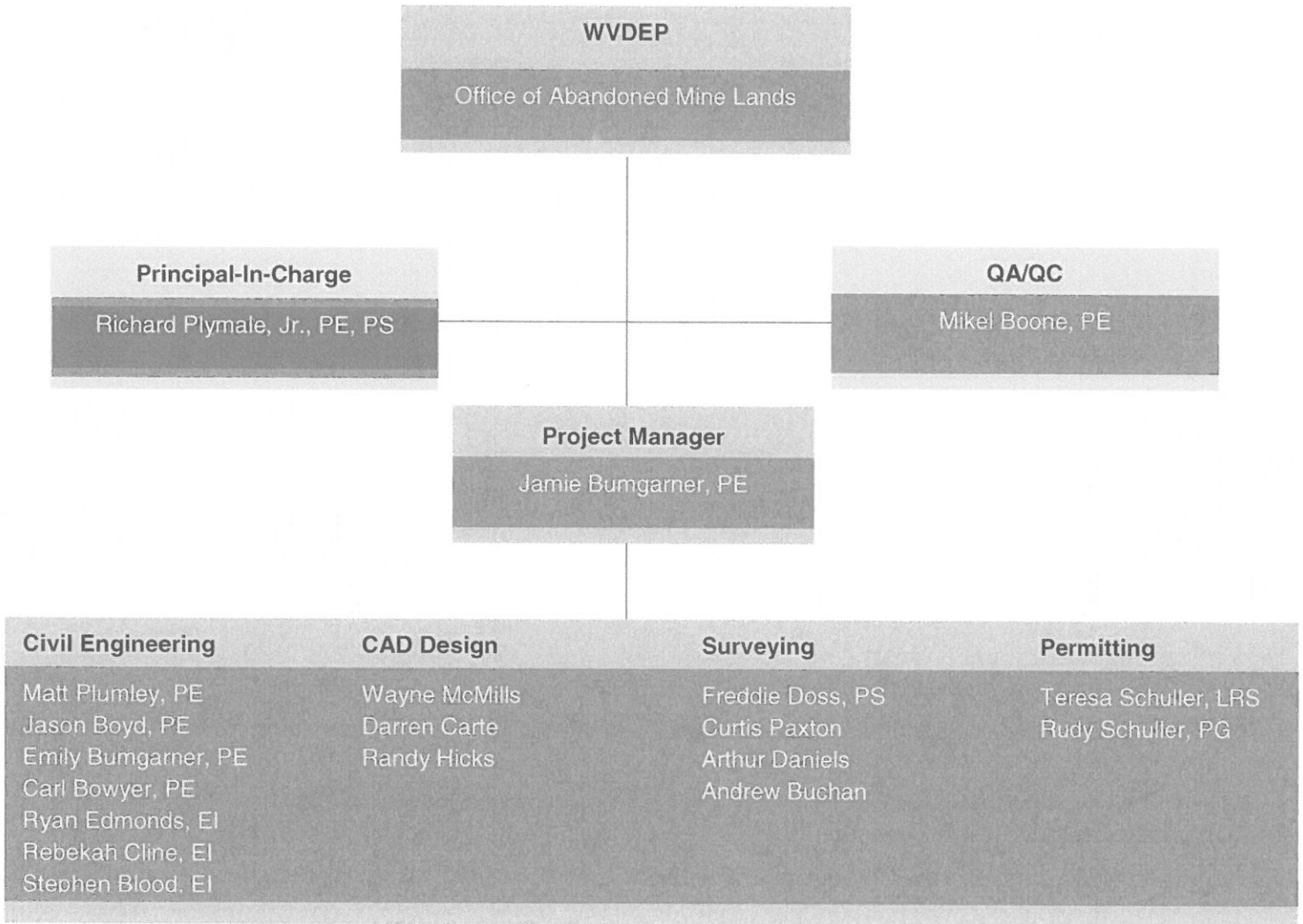


IN TESTIMONY WHEREOF, THE WEST VIRGINIA STATE BOARD OF  
REGISTRATION FOR PROFESSIONAL ENGINEERS HAS ISSUED THIS COA  
UNDER ITS SEAL AND SIGNED BY THE PRESIDENT OF SAID BOARD.

BOARD PRESIDENT

# APPENDIX A

## ORGANIZATIONAL CHART





# APPENDIX B

## CONSULTANT QUALIFICATION QUESTIONNAIRE, CQQ

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

Attachment "1"

|   |                                |  |  |  |  |
|---|--------------------------------|--|--|--|--|
| PROJECT NAME<br>Crary Mine Dump   |                                | DATE (DAY, MONTH, YEAR)<br>2, January, 2014                                    |  | FEIN<br>39-0793822   |  |
| 1. FIRM NAME<br>Mead & Hunt, Inc.   |                                | 2. HOME OFFICE BUSINESS ADDRESS<br>6501 Watts Road<br>Madison, Wisconsin 53719 |  | 3. FORMER FIRM NAME<br>RPM Engineers, Inc.                         |  |
| 4. HOME OFFICE TELEPHONE<br>608-273-6380  | 5. ESTABLISHED (YEAR)<br>1900  | 6. TYPE OWNERSHIP<br>Corporation   |  | 6a. WV REGISTERED DBE<br>(Disadvantaged Business Enterprise)<br>NO |  |
| 7. PRIMARY AML DESIGN OFFICE: ADDRESS/ TELEPHONE/ PERSON IN CHARGE/ NO. AML DESIGN PERSONNEL EACH OFFICE<br>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<br>Rajan Sheth, PE, SE - CEO<br>Andy Platz, PE - President<br>Richard E. Plymale, Jr., PE - Vice President<br>Amy Squitieri - Vice President<br>Rusty Chesmore, PE - Vice President   |                                |  | 8a. NAME, TITLE, & TELEPHONE NUMBER - OTHER PRINCIPALS<br>None |  |  |
| 9. PERSONNEL BY DISCIPLINE  |                                |  |  |  |  |
| <u>56</u> ADMINISTRATIVE  | <u>1</u> ECOLOGISTS            | <u>1</u> LANDSCAPE ARCHITECTS  | <u>37</u> STRUCTURAL ENGINEERS                                 |  |  |
| <u>16</u> ARCHITECTS  | <u>2</u> ECONOMISTS            | <u>12</u> MECHANICAL ENGINEERS   | <u>21</u> SURVEYORS  |  |  |
| <u>    </u> BIOLOGIST   | <u>10</u> ELECTRICAL ENGINEERS | <u>    </u> MINING ENGINEERS   | <u>7</u> TRAFFIC ENGINEERS                                     |  |  |
| <u>32</u> CADD OPERATORS  | <u>10</u> ENVIRONMENTALISTS    | <u>    </u> PHOTOGRAMMETRISTS  | <u>46</u> PROJECT MANAGERS                                     |  |  |
| <u>    </u> CHEMICAL ENGINEERS  | <u>    </u> ESTIMATORS         | <u>34</u> PLANNERS: URBAN/REGIONAL   | <u>43</u> OTHER  |  |  |
| <u>82</u> CIVIL ENGINEERS   | <u>2</u> GEOLOGISTS            | <u>    </u> SANITARY ENGINEERS   |  |  |  |
| <u>22</u> CONSTRUCTION INSPECTORS   | <u>    </u> HISTORIANS         | <u>2</u> SOILS ENGINEERS   |  |  |  |
| <u>    </u> DESIGNERS   | <u>1</u> HYDROLOGISTS          | <u>    </u> SPECIFICATION WRITERS  |  |  |  |
| <u>    </u> DRAFTSMEN   |                                |  | <u>436</u> TOTAL PERSONNEL                                     |  |  |
| 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.   |                                |  |  |  |  |
| <i>Mead &amp; 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 &amp; 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.</i> |                                |  |  |  |  |
|   |                                |  |  |  |  |
| 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".

|   |  |   |
|---|--|---|
| <p>NAME AND ADDRESS:<br/>                 Novel Geo-Environmental, PLLC<br/>                 806 B Street<br/>                 St. Albans, WV 25177</p> | <p>SPECIALTY:<br/>                 Subsurface soil, rock, and groundwater testing. Utilizing a drilling rig to perform hollow stem and wet rotary borings. Geotechnical engineering design and analysis.</p> | <p>WORKED WITH BEFORE<br/> <br/> <input checked="" type="checkbox"/> Yes<br/> <input type="checkbox"/> No</p> |
| <p>NAME AND ADDRESS:</p>  | <p>SPECIALTY:</p>  | <p>WORKED WITH BEFORE<br/> <br/> <input type="checkbox"/> Yes<br/> <input type="checkbox"/> No</p>            |
| <p>NAME AND ADDRESS:</p>  | <p>SPECIALTY:</p>  | <p>WORKED WITH BEFORE<br/> <br/> <input type="checkbox"/> Yes<br/> <input type="checkbox"/> No</p>            |
| <p>NAME AND ADDRESS:</p>  | <p>SPECIALTY:</p>  | <p>WORKED WITH BEFORE<br/> <br/> <input type="checkbox"/> Yes<br/> <input type="checkbox"/> No</p>            |
| <p>NAME AND ADDRESS:</p>  | <p>SPECIALTY:</p>  | <p>WORKED WITH BEFORE<br/> <br/> <input type="checkbox"/> Yes<br/> <input type="checkbox"/> No</p>            |
| <p>NAME AND ADDRESS:</p>  | <p>SPECIALTY:</p>  | <p>WORKED WITH BEFORE<br/> <br/> <input type="checkbox"/> Yes<br/> <input type="checkbox"/> No</p>            |
| <p>NAME AND ADDRESS:</p>  | <p>SPECIALTY:</p>  | <p>WORKED WITH BEFORE<br/> <br/> <input type="checkbox"/> Yes<br/> <input type="checkbox"/> No</p>            |
| <p>NAME AND ADDRESS:</p>  | <p>SPECIALTY:</p>  | <p>WORKED WITH BEFORE<br/> <br/> <input type="checkbox"/> Yes<br/> <input type="checkbox"/> No</p>            |
| <p>NAME AND ADDRESS:</p>  | <p>SPECIALTY:</p>  | <p>WORKED WITH BEFORE<br/> <br/> <input type="checkbox"/> Yes<br/> <input type="checkbox"/> No</p>            |

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.)    | YEARS OF EXPERIENCE             |   |  |
|--|---------------------------------|---|--|
|  | YEARS OF AML DESIGN EXPERIENCE: | YEARS OF AML RELATED DESIGN EXPERIENCE: | YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE: |
| Bumgarner, James A. Jr.<br>Project Manager | 6                               | 16                                      | 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  | REGISTRATION (Type, Year, State)  |
|---|---|
| American Council of Engineering Companies | Professional Engineer, 2003, West Virginia<br>Professional Engineer, 2005, Ohio<br>Professional Engineer, 2006, South Carolina<br>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             |   |  |
|---|---------------------------------|---|--|
|   | YEARS OF AML DESIGN EXPERIENCE: | YEARS OF AML RELATED DESIGN EXPERIENCE: | YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE: |
| Bumgarner, Emily, E.<br>Civil Engineer  | 2                               | 8                                       | 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  | REGISTRATION (Type, Year, State)  |
|---|---|
| American Council of Engineering Companies | Professional Engineer, 2003, West Virginia<br>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.)    | YEARS OF EXPERIENCE             |   |  |
|--|---------------------------------|---|--|
|  | YEARS OF AML DESIGN EXPERIENCE: | YEARS OF AML RELATED DESIGN EXPERIENCE: | YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE: |
| Plumley, Matthew, L., PE<br>Civil Engineer | 4                               | 8                                       | 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.)       | YEARS OF EXPERIENCE             |   |  |
|---|---------------------------------|---|--|
|   | YEARS OF AML DESIGN EXPERIENCE: | YEARS OF AML RELATED DESIGN EXPERIENCE: | YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE: |
| Boyd, Jason M., P.E., MBA<br>Project Designer | 2                               | 15                                      | 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.) | YEARS OF EXPERIENCE                    |                                     |  |
|---|--|-------------------------------------|--|
|   | <i>Curtis Paxton<br/>Lead Surveyor</i> | YEARS OF AML DESIGN<br>EXPERIENCE:0 | YEARS OF AML RELATED DESIGN<br>EXPERIENCE:16 |

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.) | YEARS OF EXPERIENCE                        |                                     |  |
|---|--|-------------------------------------|--|
|   | <i>Carte, Darren, J.<br/>CADD Operator</i> | YEARS OF AML DESIGN<br>EXPERIENCE:0 | YEARS OF AML RELATED DESIGN<br>EXPERIENCE:15 |

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*

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, Culvert 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 |
|---|---|--------------------------------------|---|------------------|
| SLEEPY CREEK BRIDGE,<br>Morgan County, WV | WVDOH<br>1900 Kanawha Blvd East<br>Charleston, WV 25305 | Prime design<br>consultant           | \$2,000,000                                     | 50%              |
|   |   |                                      |   |                  |
|   |   |                                      |   |                  |
|   |   |                                      |   |                  |
|   |   |                                      |   |                  |
|   |   |                                      |   |                  |
|   |   |                                      |   |                  |
|   |   |                                      |   |                  |
| TOTAL NUMBER OF PROJECTS: 3               |   |                                      | TOTAL ESTIMATED CONSTRUCTION COSTS: \$2,000,000 |                  |



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

| PROJECT NAME, TYPE AND LOCATION   | NAME AND ADDRESS OF OWNER   | ESTIMATED CONSTRUCTION COST | YEAR | COMPLETED (YES OR NO) |
|---|---|-----------------------------|------|-----------------------|
| Bellwood Waterline Feasibility, DEP14529, Fayette County, WV              | WVDEP, AML&R<br>601 57 <sup>th</sup> Street<br>Charleston, WV 25304 |                             | 2009 |                       |
| Smokey Branch Waterline Feasibility, DEP14529, Fayette County, WV         | WVDEP, AML&R<br>601 57 <sup>th</sup> Street<br>Charleston, WV 25304 |                             | 2009 |                       |
| Clendenin Skyview Lane Waterline Feasibility, AML2933, Kanawha County, WV | WVDEP, AML&R<br>601 57 <sup>th</sup> Street<br>Charleston, WV 25304 |                             | 2010 |                       |
| Stephenson (Mills) Subsidence Stabilization, Wyoming County, WV           | WVDEP, AML&R<br>601 57 <sup>th</sup> Street<br>Charleston, WV 25304 |                             | 2009 |                       |
| Hughes Creek (Burke-Quinn) Portals, Kanawha County, WV                    | WVDEP, AML&R<br>601 57 <sup>th</sup> Street<br>Charleston, WV 25304 |                             | 2011 |                       |
| Lewis County EDA Waterline Feasibility, WV                                | WVDEP, AML&R<br>601 57 <sup>th</sup> Street<br>Charleston, WV 25304 |                             | 2010 |                       |
| Kanawha County RDA Waterline Feasibility, WV                              | WVDEP, AML&R<br>601 57 <sup>th</sup> Street<br>Charleston, WV 25304 |                             | 2011 |                       |
| Trace Branch Refuse Pile, McDowell County, WV                             | WVDEP, AML&R<br>601 57 <sup>th</sup> Street<br>Charleston, WV 25304 |                             | 2012 |                       |

18. COMPLETED WORK WITHIN LAST 5 YEARS ON WHICH YOUR FIRM HAS BEEN A SUB-CONSULTANT TO OTHER FIRMS (INDICATE PHASE 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 |
|--|---|--|------|-------------------------|----------------------|
| I-64 Bridge over Kanawha River, South Charleston, WV | WVDOH<br>1900 Kanawha Blvd East<br>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, Jr.

Title: Project Manager

Date: 1/2/2014

Printed Name: James A. Bumgarner, Jr.



**AML and RELATED PROJECT EXPERIENCE MATRIX**

| PROJECT                                  | Exp. Basis<br>C=Corp.<br>P=Personal | Additional Info<br>Provided in<br>Section (s)<br>** | PROJECT EXPERIENCE REQUIREMENTS |                                    |                                 |                      |  |                     |                            |                                     |                          |                        |   |                                    |                 |                             |                    | PRIMARY STAFF PARTICIPATION/CAPACITY<br>*** 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/Niligation/Replacement | Construction Inspection/Management | Water Treatment | Equipment/Structure Removal | Stream Restoration | Geotechnical/Stability  | James Bumgarner, PE, Project Manager | Emily Bumgarner, PE, Hydraulic Engineer | Jason M. Boyd, PE, Civil Design Engineer | Matthew Plumley, PE, Civil Design Engineer |
| Stephenson (Mills) Subsidence            | P                                   |   |                                 |                                    | 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   |                                      | P                                       |  |  |
| Clendenin Skyview Lane Feasibility Study | P                                   |   |                                 |                                    |                                 |                      | X                                      |                     |                            |                                     | X                        | X                      |   |                                    |                 |                             | M/P                | P   |                                      | P                                       |  |  |
| Lewis County EDA Feasibility Study       | P                                   |   |                                 |                                    |                                 |                      | X                                      |                     |                            |                                     | X                        | X                      |   |                                    |                 |                             | M/P                | P   |                                      | P                                       |  |  |
| Kanawha County RDA Feasibility Study     | P                                   |   |                                 |                                    |                                 |                      | X                                      |                     |                            |                                     | X                        | X                      |   |                                    |                 |                             | M/P                | 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  |  |
| Oldfield Branch (Hall) Drainage          | P                                   |   | X                               |                                    |                                 |                      |  |                     |                            |                                     |                          |                        |   |                                    |                 |                             | M/P                |   |                                      |   | P  |  |
| Marsh Run Portals                        | P                                   |   | X                               |                                    |                                 |                      |  |                     |                            |                                     |                          |                        |   |                                    |                 |                             | M/P                |   |                                      |   | P  |  |
| Montecarlo Complex                       | P                                   |   | X                               |                                    |                                 |                      |  |                     |                            |                                     |                          |                        |   |                                    |                 |                             | M/P                |   |                                      |   | P  |  |
| Conley Branch (Whitt) Landslide          | P                                   |   | X                               |                                    |                                 |                      |  |                     |                            |                                     |                          |                        |   |                                    |                 |                             | M/P                |   |                                      |   | P  |  |
| Broad Run Portals                        | P                                   |   | X                               |                                    |                                 |                      |  |                     |                            |                                     |                          |                        |   |                                    |                 |                             | M/P                |   |                                      |   | P  |  |
| Little Daycamp Branch Refuse             | P                                   |   | X                               |                                    |                                 |                      |  |                     |                            |                                     |                          |                        |   |                                    |                 |                             | M/P                |   |                                      |   | P  |  |
| Little Whitestick Creek Refuse Pile      | P                                   |   | X                               |                                    |                                 |                      |  |                     |                            |                                     |                          |                        |   |                                    |                 |                             | M/P                |   |                                      |   | P  |  |
| Pierpont Refuse Pile                     | P                                   |   | X                               |                                    |                                 |                      |  |                     |                            |                                     |                          |                        |   |                                    |                 |                             | M/P                |   |                                      |   | P  |  |
| Bickmore Area Complex                    | P                                   |   | X                               |                                    |                                 |                      |  |                     |                            |                                     |                          |                        |   |                                    |                 |                             | M/P                |   |                                      |   | P  |  |
| Vickers Branch (Butcher) Drainage        | P                                   |   | X                               |                                    |                                 |                      |  |                     |                            |                                     |                          |                        |   |                                    |                 |                             | M/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.

**APPENDIX D**  
**PURCHASING AFFIDAVIT**

RFQ No. DEP16394

STATE OF WEST VIRGINIA  
Purchasing Division

**PURCHASING AFFIDAVIT**

**MANDATE:** Under W. Va. Code §5A-3-10a, 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: (1) the debt owed is an amount greater than one thousand dollars in the aggregate; or (2) the debtor is in employer default.

**EXCEPTION:** The prohibition listed above does not apply where a vendor has contested any tax administered pursuant to chapter eleven of the W. Va. 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.

**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.

**"Employer default"** means having an outstanding balance or liability to the old fund or to the uninsured employers' fund or being in policy default, as defined in W. Va. Code § 23-2c-2, failure to maintain mandatory workers' compensation coverage, or failure to fully meet its obligations as a workers' compensation self-insured employer. An employer is not in employer default if it has entered into a repayment agreement with the Insurance Commissioner and remains in compliance with the obligations under the repayment agreement.

**"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.

**AFFIRMATION:** By signing this form, the vendor's authorized signer affirms and acknowledges under penalty of law for false swearing (W. Va. Code §61-5-3) that neither vendor nor any related party owe a debt as defined above and that neither vendor nor any related party are in employer default as defined above, unless the debt or employer default is permitted under the exception above.

**WITNESS THE FOLLOWING SIGNATURE:**

Vendor's Name: Mead & Hunt, Inc

Authorized Signature: Janet Hughes Date: 1/2/14

State of WEST VIRGINIA

County of KANAWHA, to-wit:

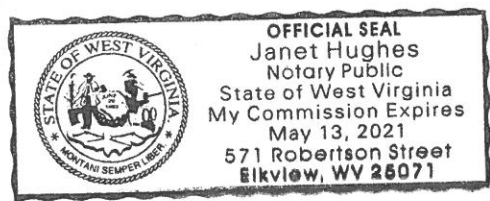
Taken, subscribed, and sworn to before me this 2<sup>ND</sup> day of JANUARY, 20 14

My Commission expires MAY 13, 20 21

**AFFIX SEAL HERE**

**NOTARY PUBLIC**

Janet Hughes  
Purchasing Affidavit (Revised 07/01/2012)



**APPENDIX E**  
**SIGNATURE PAGES**

**CERTIFICATION AND SIGNATURE PAGE**

By signing below, I certify that I have reviewed this Solicitation in its entirety; understand the requirements, terms and conditions, and other information contained herein; that I am submitting this bid or proposal for review and consideration; that I am authorized by the bidder to execute this bid or any documents related thereto on bidder's behalf; that I am authorized to bind the bidder in a contractual relationship; and that to the best of my knowledge, the bidder has properly registered with any State agency that may require registration.

Mead & Hunt, Inc.

(Company)

James A. Bumgarner

(Authorized Signature)

James A. Bumgarner Jr., vice President

(Representative Name, Title)

~~681~~ 681-313-4608

(Phone Number)

(Fax Number)

11/2/14

(Date)

**ADDENDUM ACKNOWLEDGEMENT FORM**  
**SOLICITATION NO.: DEP16394**

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

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

**Addendum Numbers Received:**

(Check the box next to each addendum received)

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

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

Mead & Hunt, Inc

Company

Jan Pomgaard

Authorized Signature

1/2/14

Date

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