



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  
**DEP15605**

PAGE  
**1**

ADDRESS CORRESPONDENCE TO ATTENTION OF:  
**GUY NISBET**  
**304-558-8802**

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	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
01/30/2012				

BID OPENING DATE: **03/06/2012**                      BID OPENING TIME **01:30PM**

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
0001	1	JB		906-29		
<p>MILAM RIDGE REFUSE PILE DESIGN</p> <p>EXPRESSION OF INTEREST</p> <p>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 MILAM RIDGE REFUSE PILE PROJECT IN WYOMING COUNTY, WEST VIRGINIA PER THE FOLLOWING BID REQUIREMENTS AND ATTACHED SPECIFICATIONS.</p> <p>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.</p> <p>ANY INDIVIDUAL SIGNING THIS BID IS CERTIFYING THAT: (1) HE OR SHE IS AUTHORIZED BY THE BIDDER TO EXECUTE THE BID OR ANY DOCUMENTS RELATED THERETO ON BEHALF OF THE BIDDER, (2) THAT HE OR SHE IS AUTHORIZED TO BIND THE BIDDER IN A CONTRACTUAL RELATIONSHIP, AND (3) THAT THE BIDDER HAS PROPERLY REGISTERED WITH ANY STATE AGENCIES THAT MAY REQUIRE REGISTRATION.</p>						

RECEIVED

2012 MAR -6 AM 10:57

WV PURCHASING DIVISION

SEE REVERSE SIDE FOR TERMS AND CONDITIONS			
SIGNATURE <i>[Signature]</i>	TELEPHONE 304-345-6712	DATE 3/6/2012	
TITLE Vice President	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](http://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 C ENVIRONMENTAL PROTECTION  
AML CONSULTANT QUALIFICATION QUESTIONNAIRE**

**Attachment "B"**

PROJECT NAME Milam Ridge Refuse Pile Project	DATE (DAY, MONTH, YEAR) 6, March, 2012	FEIN 39-0793822
1. FIRM NAME Mead & Hunt, Inc.	2. HOME OFFICE BUSINESS ADDRESS 6501 Watts Road Madison, Wisconsin 53719	3. FORMER FIRM NAME RPM Engineers, Inc.
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 - CEO Andy Platz, PE - President Richard E. Plymale, Jr., PE - Vice President Amy Squitieri - Vice President Rusty Chesmore, PE - Vice President	8a. NAME, TITLE, & TELEPHONE NUMBER - OTHER PRINCIPALS None	
9. PERSONNEL BY DISCIPLINE		
56 ADMINISTRATIVE 16 ARCHITECTS <b>BIOLOGIST</b> CHEMICAL ENGINEERS <b>82 CIVIL ENGINEERS</b> 22 CONSTRUCTION INSPECTORS DESIGNERS DRAFTSMEN	1 ECOLOGISTS 2 ECONOMISTS 10 ELECTRICAL ENGINEERS 10 ENVIRONMENTALISTS ESTIMATORS <b>2 GEOLOGISTS</b> HISTORIANS 1 HYDROLOGISTS	1 LANDSCAPE ARCHITECTS 12 MECHANICAL ENGINEERS <b>MINING ENGINEERS</b> PHOTOGRAMMETRISTS 34 PLANNERS: URBAN/REGIONAL 2 SANITARY ENGINEERS 2 SOILS ENGINEERS - SPECIFICATION WRITERS
32 CADD OPERATORS	37 STRUCTURAL ENGINEERS <b>21 SURVEYORS</b> 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 <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. OUTS KEY CONSULTANTS/SUB-CONSULTANTS ANTICIPATED TO BE SED. Attach "AML Consultant Qualification Questionnaire".

<p><b>NAME AND ADDRESS:</b>                  Novel Geo-Environmental, PLLC                  806 B Street                  St. Albans, WV 25177</p>	<p><b>SPECIALTY:</b>                  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><b>WORKED WITH BEFORE</b>                  X Yes                  No</p>
<p><b>NAME AND ADDRESS:</b></p>	<p><b>SPECIALTY:</b></p>	<p><b>WORKED WITH BEFORE</b>                  Yes                  No</p>
<p><b>NAME AND ADDRESS:</b></p>	<p><b>SPECIALTY:</b></p>	<p><b>WORKED WITH BEFORE</b>                  Yes                  No</p>
<p><b>NAME AND ADDRESS:</b></p>	<p><b>SPECIALTY:</b></p>	<p><b>WORKED WITH BEFORE</b>                  Yes                  No</p>
<p><b>NAME AND ADDRESS:</b></p>	<p><b>SPECIALTY:</b></p>	<p><b>WORKED WITH BEFORE</b>                  Yes                  No</p>
<p><b>NAME AND ADDRESS:</b></p>	<p><b>SPECIALTY:</b></p>	<p><b>WORKED WITH BEFORE</b>                  Yes                  No</p>
<p><b>NAME AND ADDRESS:</b></p>	<p><b>SPECIALTY:</b></p>	<p><b>WORKED WITH BEFORE</b>                  Yes                  No</p>
<p><b>NAME AND ADDRESS:</b></p>	<p><b>SPECIALTY:</b></p>	<p><b>WORKED WITH BEFORE</b>                  Yes                  No</p>
<p><b>NAME AND ADDRESS:</b></p>	<p><b>SPECIALTY:</b></p>	<p><b>WORKED WITH BEFORE</b>                  Yes                  No</p>

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

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
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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
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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.)		YEARS OF EXPERIENCE	
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.)		YEARS OF EXPERIENCE	
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 EXPERIENCE	
YEARS OF AML DESIGN EXPERIENCE:0	YEARS OF AML RELATED DESIGN EXPERIENCE:14	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  
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 EXPERIENCE	
YEARS OF AML DESIGN EXPERIENCE:0	YEARS OF AML RELATED DESIGN EXPERIENCE:6	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  
American Council of Engineering Companies

REGISTRATION (Type, Year, State)  
Transportation Engineering Technician, 2001, 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>Ripp, Bryan, PE, PG, CPESC Geomorphologist</i>	YEARS OF EXPERIENCE	
	YEARS OF AML DESIGN EXPERIENCE: 3	YEARS OF AML RELATED DESIGN EXPERIENCE: 27

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.*

EDUCATION (Degree, Year, Specialization)  
 MS, 1984, Geological Engineering  
 BS, 1982, Geological Engineering

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS  
*American Society of Civil Engineers  
 Minnesota Erosion Control Association  
 Society of Mining, Metallurgical and Exploration, Environmental Division*

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

**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:

Brief Explanation of Responsibilities

EDUCATION (Degree, Year, Specialization)

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS

REGISTRATION (Type, Year, State)

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
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	95%
CR 25/9 Upgrade, Fayette County, WV	WVDOH 1900 Kanawha Blvd East Charleston, WV 25305	Prime design consultant	\$1,000,000	95%
TOTAL NUMBER OF PROJECTS: 3			TOTAL ESTIMATED CONSTRUCTION COSTS: \$12,500,000	



17. COMPLETED WORK WITHIN LAST 5 YEARS ON WHICH YOUR FIRM	3 THE DESIGNATED ENGINEER OF RECORD	CONSULTED (YES OR NO)
PROJECT NAME, TYPE AND LOCATION	NAME AND ADDRESS OF OWNER	ESTIMATED CONSTRUCTION COST
		YEAR
Russellville Waterline Feasibility, DEP14529, Fayette County, WV	WVDEP, AML&R 601 57 <sup>th</sup> Street Charleston, WV 25304	2009
Bellwood Waterline Feasibility, DEP14529, Fayette County, WV	WVDEP, AML&R 601 57 <sup>th</sup> Street Charleston, WV 25304	2009
Smokey Branch Waterline Feasibility, DEP14529, Fayette County, WV	WVDEP, AML&R 601 57 <sup>th</sup> Street Charleston, WV 25304	2009
Clendenin Skyview Lane Waterline Feasibility, AML2933, Kanawha County, WV	WVDEP, AML&R 601 57 <sup>th</sup> Street Charleston, WV 25304	2010
Stephenson (Mills) Subsidence Stabilization, Wyoming County, WV	WVDEP, AML&R 601 57 <sup>th</sup> Street Charleston, WV 25304	2009
Hughes Creek (Burke-Quinn) Portals, Kanawha County, WV	WVDEP, AML&R 601 57 <sup>th</sup> Street Charleston, WV 25304	2011
Lewis County EDA Waterline Feasibility, WV	WVDEP, AML&R 601 57 <sup>th</sup> Street Charleston, WV 25304	2010
Kanawha County RDA Waterline Feasibility, WV	WVDEP, AML&R 601 57 <sup>th</sup> Street Charleston, WV 25304	2011

18. C. LETED WORK WITHIN LAST 5 YEARS ON WHICH YOUR FIRM HAS BEEN A SUB-CONSULTANT TO OTHER FIRMS (INDICATE CASE 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
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: 

Printed Name: Richard E. Plymale, Jr.

Title: Vice President

Date: 03/06/2012

AML and RELATED PROJECT EXPERIENCE MATRIX													PROJECT EXPERIENCE REQUIREMENTS					PRIMARY STAFF PARTICIPATION/CAPACITY *** M=Management P=Professional					
PROJECT	Exp. Basis C-Corp. P=Personal	Additional Info Provided in Section (s) **	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/Mitigation/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	Curtis Paxton, Lead Surveyor	Darren J. Carte, TET CADD Operator
Stephenson (Mills) Subsidence	P		X			X			X		X		X			X	M/P	P					P
Hughes Creek Portals	P		X		X	X		X			X	X	X			X	M/P	P					P
Trace Branch Refuse	P		X		X	X		X			X	X	X			X	M/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	C/P		X		X				X		X	X		X		X			M/P				
Beech Fork Bridge	P					X					X						M/P	P					P
Lucille Steinkner Bridge	P					X					X						M/P	P					P
Cattle Pass	P					X					X						M/P	P					P
Edwight Truss	P					X					X						M/P	P					P
Bartley Branch	P					X					X						M/P	P					P
Gerrardstown Bridge	P					X					X						M/P	P					P
Tarico Heights Bridge	P					X					X						M/P	P					P
SHE-47 Bridge	P					X					X						M/P	P					P
Tabler Station Interchange	P					X					X						M/P	P					P
Cabela Drive Extension	P					X					X						M/P	P					P
I-64 Bridge over Kanawha River	P										X						P						P

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

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

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