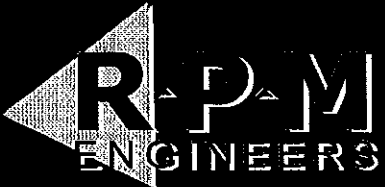


WVDEP OFFICE OF ABANDONED MINE LANDS  
DEP 15068 — TUB RUN HIGHWALL & REFUSE — PHASE 1 DESIGN  
TUCKER COUNTY, WV



RECEIVED  
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WV PURCHASING  
DIVISION



RPM Engineers, Inc.  
400 Tracy Way, Suite 200  
Charleston, WV 25311

Phone: 304-345-6712  
Email: jbumgarner@rpmengineers.com

RPM PROPOSAL #480102 20100629

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## Letter of Interest

Mr. Nick Estes  
West Virginia Department of Environmental Protection,  
Office of Abandoned Mine Lands and Reclamation  
601 57th Street SE, Charleston, West Virginia 25304

Re: Expression of Interest for DEP 15068 – Tub Run HW & Refuse Ph 1 Design, Tucker County

Dear Mr. Estes:

RPM Engineers, Inc. (RPM) is pleased to submit this Statement of Qualifications to provide professional civil engineering services for the Tub Run Highwall & Refuse – Phase 1 Design project in Tucker County.

A West Virginia corporation established in 2004, RPM operates six offices in four states on the east coast. With 18 employees in our Charleston Office (7 professional civil engineers, 3 surveyors, 3 CADD Technicians, 2 environmental professionals, and 3 support staff members), RPM offers one of the strongest, local civil engineering design teams in all of West Virginia.

RPM's 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. RPM's local engineers have provided cost-effective, quality engineering designs for the state of West Virginia for many years. RPM's local engineers are experts in all areas of drainage design and AutoCAD Civil3D and will be able to complete this project on schedule and on budget. Please give us another opportunity to serve our great state.

RPM has developed a project specific QA/QC program to assure quality products are produced for this project. RPM 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,



**RPM Engineers, Inc.**  
**James A. Bumgarner, Jr., P.E.**  
**Project Manager**

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

## 1. Corporate Overview

### *Company Background*

RPM operates as a West Virginia corporation. RPM was established in 2004 and maintains and operates six offices in four states with the Corporate Headquarters being in Charleston, WV. Additional offices are operated in Columbus, OH, Richmond, VA, Lexington, SC, Rock Hill, SC and Myrtle Beach, SC. Additional information can be obtained by visiting our website at [www.rpmengineers.com](http://www.rpmengineers.com).

RPM consists of Engineers, Land Surveyors, Environmental Specialists, and Inspectors that provide many years of experience in project management, survey, design, environmental and inspection. RPM currently has over seventy employees of which over twenty are registered Professional Engineers and Land Surveyors. RPM 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.

#### WV Office:

Jamie Bumgarner, MBA, PE

Vice President/Office Manager

RPM Engineers, Inc.

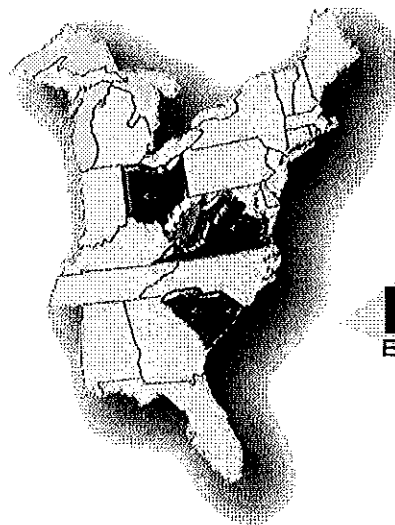
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**R·P·M**  
ENGINEERS

### *Resources and Capabilities*

**R·P·M**  
ENGINEERS

RPM specializes in civil engineering design, bridge design/ analysis/ rehabilitation, construction engineering, surveying, and inventory inspections. RPM's capabilities encompass all phases of transportation design from preliminary planning studies to complete construction plans and construction inspection. RPM's construction division provides complete field engineering services, including contract administration, construction inspection, construction management, and construction engineering.

RPM also has the experience, organizational resources, management capabilities, and in-house CADD support, to provide a complete range of professional services for civil and roadway design projects. RPM's transportation expertise encompasses conventional highway engineering, roadway geometric design, bridge design, and pedestrian/bicycle facilities. These services encompass corridor studies, feasibility studies, environmental planning, preliminary engineering evaluations, preparation of project study reports, project reports and final detailed design, construction management and media support services. The staff has proven excellence and success in FHWA, DOT's, and local agency approved highway projects. RPM is accustomed to working with aggressive, accelerated design schedules and budget constraints.

RPM's ability to offer a "Turn Key" approach to our clients allows for a seamless transition between engineering tasks and develops a common project mission which promotes responsiveness and accountability.

### *What People are Saying About Us*

RPM's mission to achieve 'Total Client Satisfaction' has been demonstrated by the feedback that we receive from our clients. Here are some of our most recent client testimonials.

- We performed several projects for the West Virginia Department of Transportation, Division of Highways District 5 in 2007 and 2008. These projects were located in Grant, Hampshire, and Berkeley counties. These projects were completed on a very fast track schedule. This was our first job working directly for WVDOH, District 5. After completion, **RPM** received some of the highest compliments that we have ever received.

The District Bridge Engineer told us that in his 35 year career, that working with **RPM** was one of the biggest successes that he has experienced. He also wrote that "**RPM** did these jobs for us, and did very commendable work. Working with the folks at their firm has been a rewarding experience for us here in District 5"- Gary Klavuhn, District Bridge Engineer, WVDOH District 5, March, 2008.

- We performed a design project for the Ohio Department of Transportation, District 7 in 2007. This was our first job for ODOT. After completion, **RPM** received the highest consultant rating for design services in modern ODOT history.

ODOT's Project Manager wrote in the consultant evaluation that "This was a pilot LRFD project for ODOT... **RPM** was always ahead of the game, and provided guidance on decisions...we were pleased with the work of the subconsultants, and never had to provide any direction to them... **RPM** turned in exceptional plans more than 30 days ahead of schedule... every submission was early, complete and of good quality." - Amy L. Schmidt, Project Manager, ODOT District 7 Contract Section, September 2007.

- We performed a construction inspection in early 2008 for one of our clients in South Carolina. The client told us that it was the "was the smoothest overhead inspection I have ever had". In

In addition, he stated that "I must also include you and your team at **RPM** for all of your hard work in making for the successful Overhead Inspection Tuesday at NPES! Thanks for all you guys do. It is very much appreciated!" - Steven Howe, Project Manager, M. B. Kahn Construction Co., Inc., March 2008

These examples are only a few of many positive remarks that we have received from our clients. This feedback reinforces our commitment to customer service. We pledge that if we are fortunate to be awarded this project, we will deliver 'Total Client Satisfaction'.

## Resumes

**James A. Bumgarner, Jr., M.B.A., P.E.**  
Project Manager

### Education

A.A.S., CADD, 1995, West Virginia State College, High Honors  
B.S., Civil Engineering, 1998, West Virginia University, Magna cum Laude  
M.B.A., Business Administration, 2003, Marshall University

### Professional Registrations

Registered Professional Engineer: SC, WV, OH, MD, PA, VA

### Professional Experience

Mr. Bumgarner brings nearly twelve (12) years of civil engineering experience to this project. As a civil/hydraulic engineer, Mr. Bumgarner has performed various duties associated with the preparation of plans, specifications, and estimates for various projects including; drainage design, roadway design, geometric layout, utility relocation design, maintenance of traffic, signing and marking, plan preparation/presentation, and detailed quantity/cost estimates.

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

- **Category Six Bridge Program, WVDOT District 5 and District 8:** The lead Roadway/Hydraulic Engineer for these five bridge replacement projects. Responsibilities include completion of the roadway design, plan preparation, permit documents, and the bridge hydraulic analysis using HEC-RAS and the preparation of a final hydraulic report. These projects were designed for the WVDOH on a fast track schedule.
- **SHE-47-11.52, ODOT District 7:** The lead Roadway/Hydraulic Engineer for this project completing the roadway design, plan preparation, and permit documents. Responsibilities also include the bridge hydraulic analysis using HEC-RAS and the preparation of a final hydraulic report. This project was given the highest consultant evaluation score for design that has been awarded by ODOT in the previous seven years.
- **Highlands Interior Access Road, Ohio County, WV:** One of the lead designers responsible for many aspects of the roadway design and plan development for the preliminary and final design of a four lane Rural Collector through mountainous terrain to connect the new Interchange with The Highlands development near Triadelphia, WV. This 1.4 mile long project includes grading, drainage, paving, signing, and pavement markings. The total volume of excavation for this

project was nearly 3M cubic yards. This project has a total construction cost estimated at over \$11M.

- **Cabela Drive Extension, Ohio County, WV:** One of the lead designers responsible for many aspects of the roadway design and plan development for the preliminary and final design of a five lane Urban Collector to connect the new Highlands Interior Access Road to the existing Cabela Drive within the Highlands development and near Triadelphia, WV. This 800 foot long project includes grading, drainage, paving, lighting, signing, and pavement markings. This five lane segment is drained utilizing Combination Curb and Gutter along each side of the roadway. This project has a total construction cost estimated at over \$500,000.
- **WV Route 10, Man to Rita, Logan County, WV:** One of the lead designers responsible for many aspects of the roadway design and plan development for the preliminary and final design of a 4.2-mile section of divided arterial through mountainous terrain. This project was comprised of eight construction projects and one right-of-way project. This project had total project construction cost estimates over \$100M and included major grading including cut and fill benches, paving, major and minor drainage, erosion and sediment control, including sediment basins, coordination with utilities, MSE walls, water and sewer line relocations, river hydraulics, causeway design, signing and marking design, MOT, NPDES permitting, and many other aspects of roadway design.
- **Rum Creek Bridge, Logan County, WV:** Prepared preliminary and final hydraulic report including hydraulic analysis, scour analysis, and causeway design including riprap sizing.
- **I-64 Widening, Nitro to Crooked Creek, Putnam County, WV:** Design Team Member for the preliminary design of a 3.64 mile section of freeway widening and bridge replacement on Interstate 64 including detailed typical section layout, maintenance of traffic, grading, major and minor drainage, utility relocations, pavement marking, design study report preparation, and NPDES permitting.
- **19th Street Overpass, Cabell County, WV:** Lead Design Engineer for the preliminary and final design of a 0.3 mile section of freeway widening and bridge replacement on Interstate 64 including detailed maintenance of traffic plans with crossover operations, grading, drainage, roadside design, pavement marking, R/W plans, design exception preparation, and NPDES permitting.
- **Corridor H, Scherr to Forman, Grant County, WV:** Design Team Member for the preliminary design of a 2.3-mile section of divided arterial through mountainous terrain including preliminary right-of-way and construction plan development. Tasks include, but not limited to major and minor drainage design, erosion and sediment control, including sediment basins, roadside design, and watershed map preparation detailing disturbed forest lands for various agencies.



- **Elkins Bypass, US 219 to Canfield, Randolph County, WV:** Design Team Member for the preliminary and final design of a 2.5-mile section of divided arterial and interchange including right-of-way and construction plan development. This section extends a new alignment in mountainous terrain from US 219 to US 33. Tasks include, but not limited to grading design including cut and fill benches, major and minor drainage, erosion and sediment control, including sediment basin design with multi stage pipe inlet structure.
- **Bentons Ferry Bridge – Marion County, WV:** Design Team Member for the roadway portion of the design of a bridge replacement structure carrying County Route 64 over the Tygart Valley River and the CSX Railroad. Tasks on this project included minor grading, drainage, paving, sewer line relocation, and box culvert design.
- **Peytona Truss Bridge, Boone County, WV:** Design Team Member for the roadway portion of the design of a new bridge structure carrying WV Route 3 over the Big Coal River. This project was constructed in 2000 and involved minor grading, drainage design, and right of way plans. Estimated total project construction costs over \$1.7M.
- **Western Parkway Improvements, Charles County, MD:** Responsible for Hydrology and Hydraulics (H&H) Study for a new stream crossing using two 12' precast box culverts. This design required peak discharge estimations using NRCS TR-55, culvert design utilizing FHWA HY-8, and floodplain analysis using USACE HEC-RAS.
- **Hamilton Road Culvert, Charles County, MD:** Responsible for Hydrology and Hydraulics (H&H) Study to provide options for improving the capacity of an existing stream crossing and eliminate or lower flood elevations in an adjacent community. This design required peak discharge estimations using NRCS TR-55, culvert design utilizing FHWA HY-8, and floodplain analysis using USACE HEC-RAS.

**Emily E. Bumgarner, P.E.**  
**Lead Hydraulic Engineer**

**Education**

B.S., Civil Engineering, 1997, West Virginia Institute of Technology  
M.B.A., Business Administration, 2002, Marshall University

**Professional Registrations**

Registered Professional: WV, OH

**Professional Experience**

Mrs. Bumgarner brings over six (6) years of civil engineering hydrology and hydraulic related experience to this project. As a hydraulic engineer, Mrs. Bumgarner has performed various duties associated with the preparation of plans, specifications, and estimates for all drainage related design for various state highway projects including work in West Virginia, Michigan, Arkansas, and Indiana.

Mrs. Bumgarner has completed (four) 4 levels of training utilizing Rosgen's Methods for Natural Stream Design & Stream Relocation Mitigation. Other specific drainage design experience also includes: hydrologic procedures, pavement/deck drainage, inlet spacing computations, channels, culverts, storm drains, erosion and sediment control ponds, storm water management, hydraulic river analysis utilizing HEC-RAS, preparation of Hydrology and Hydraulics (H&H) reports, evaluating scour at bridges, riprap design and flood routing procedures using HYDROCad software. Representative examples of assignments include:

- **I-94 & US 31 Interchange, Barrien County, Michigan:** One of the lead drainage designers responsible for many aspects of design and plan development for the preliminary and final design of a 2.0-mile section of Interstate I-94 upgrading from a 4 to 6 lane segment. This project also included the drainage design of a 1.0-mile section of divided arterial traffic (US 31) and all drainage design for the full cloverleaf interchange of these two roads. This project consisted of two HEC-RAS models for separate county drains and one HEC-RAS model for a native trout stream with a zero tolerance increase in flow. This project also involved the design of several storm water management ponds (sediment basins), major and minor drainage, erosion and sediment control, permitting, coordination with various regulatory agencies and many other aspects.
- **US 522, Berkley County, West Virginia:** Lead hydraulic engineer for the preliminary and final drainage design of a 3 mile section of divided arterial through rolling terrain. This design included the incorporation of seventeen (17) sediment basins in a watershed closely monitored by various agencies due to the importance of water levels to local farmers. Other drainage tasks included the design of two concrete box culverts each over 100' in length, major culvert design and analysis (108" and above), minor drainage design, NPDES permitting requirements, storm sewer and ditch design.

- **I-69 Hydraulic Analysis, 10 Mile Creek & Other Streams, White, Jackson & Independence Counties, Arkansas:** Design Team Member for the preliminary and final analysis of seven (7) different hydraulic crossings for a proposed section of Interstate I-69 utilizing HEC-RAS. This project consisted of modeling existing and proposed conditions for various bridges and culverts.
- **King Coal Highway, Mercer County, WV:** Lead Hydraulic Engineer for the preliminary and final design of a 1.5 mile section of divided arterial through mountainous terrain. Tasks included sediment basin design utilizing HYDROCad software, major and minor culvert design, ditch design, NPDES permitting packages and various other drainage related tasks.
- **Gilliam Arch Bridge Replacement, McDowell County, WV:** Drainage Design Team Member for the preliminary and final design for the roadway portion of the above mentioned bridge replacement. Tasks on this project include, but were not limited to, HEC-RAS model of the creek, abutment rip-rap design, culvert design and preparing all NPDES permitting packages.
- **Corridor D, Wood County, WV:** Design Team Member for the preliminary and final design of a 1.0-mile section of divided arterial and interchange including right-of-way and construction plan development. This section extends a new alignment in an urban setting through downtown Parkersburg, WV. Tasks included quantity calculations, drainage design and various other plan preparation tasks.
- **Traffic Design Engineer: West Virginia Department of Transportation, Various Counties, WV:** Design Team Member for various “in-house” maintenance of traffic projects around the state as well as a QA/QC reviewer of consultant MOT plans. Also designed various impact attenuators on Interstate I-70 in Wheeling, WV and surrounding areas.
- **Environmental Engineer, Arch of West Virginia, Rum Creek, WV:** Mine Engineer responsible for planning and managing reclamation and remediation projects. Conducted quarterly SPCC (Spill Prevention, Control & Countermeasure Plan) inspections. Performed daily inspections of acid-mine drainage areas.

**Matthew Plumley, PE**  
**Civil Engineer**

**Education**

B.S., Civil Engineering, 2005, West Virginia University Institute of Technology

**Professional Registrations**

Registered Professional Engineer: WV

**Professional Experience**

Mr. Plumley brings three (3) years of civil engineering experience to this project. He assists the project managers in various engineering services including preparation of construction plans, right-of-way plans, erosion control, maintenance of traffic, and signing and pavement markings. He also performs calculations necessary for roadway design, drainage design, earthwork, pavement, signing and pavement markings, and detailed cost estimates. Some examples of project experience include:

- **Appalachian Corridor H, Grant County, WV:** This project is currently under construction and involves a four lane facility with depressed median and a two lane connector to WV 93. The project has a total roadway length of 2.0 miles. Responsibilities included assisting in drainage analysis, earthwork and roadway quantity calculations, the development of construction plans, signing and paving plans, and right-of-way plans. The winning construction bid for the grading contract was \$6.4 million. The project included unique peat moss and sand filter design throughout the project to protect the adjacent sink holes in the area.
- **Honey Creek Bridge Replacement, Fayette County, WV:** This project involved the replacement of a two lane bridge at its exact location and alignment on WV 16 over Honey Creek. Assisted in earthwork and roadway quantity calculations; performed various drafting of plans, cross sections, and profiles. The estimated construction cost was \$1.2 million.
- **Mt. Gay Bridge Replacement, Logan County, WV:** This project is currently under design and involves a four lane bridge replacement with a raised median over Island Creek. Assisted in earthwork, roadway quantity, and drainage calculations along with the development of construction plans, signing plans, and right of way plans.
- **Midkiff Truss Bridge Replacement, Lincoln County, WV:** This project is currently under design and consists of a two-lane bridge replacement on County Route 48 over the Guyandotte River. Assisted in the development of the geometric design, construction plans, hydraulic analysis, roadway quantities, and right-of-way plans.
- **US 82, Centreville Bypass, Bibb County, AL:** This project is currently under design and includes the development of a 5.5 mile 4-lane bypass with a depressed median and a partial cloverleaf interchange. Assisted in the development of preliminary construction plans which included cross sections, profiles, erosion control plans, and signing and pavement marking plans. He also performed necessary hydraulic analysis for pipes and median and roadside

ditches. The estimated construction cost of this project is \$36.7 million.

- **US 80, US 11 to SR 17, Sumter County, AL:** This project is currently under design and includes adding two lanes with a depressed median to a 5.4 mile existing two-lane roadway. Assisted in the development of preliminary construction plans which included cross sections, profiles, erosion control plans, pavement marking plans, and driveway horizontal and vertical alignments. He also performed necessary hydraulic analysis for median and roadside ditches. The estimated construction cost of this project is \$28 million.

**Jason M. Boyd, P.E.**  
**Senior Civil Engineer**

**Education**

B.S., Civil Engineering, 1999, West Virginia University  
M.B.A., Business Administration, 2003, Marshall University

**Professional Registrations**

Registered Professional Engineer: WV, TN

**Professional Experience**

Mr. Boyd brings nearly (11) years of civil engineering experience to this project. As a project manager/roadway/hydraulic engineer, Mr. Boyd has performed various duties associated with the preparation of plans, specifications, and estimates for various projects including; drainage design, roadway design, right of way plan preparation, geometric layout, utility relocation design, maintenance of traffic, permitting, signing and marking, plan preparation/presentation, and detailed quantity/cost estimates.

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

- **Leon Thru Girder Bridge, Mason County, WV:** Roadway Project Manger and the lead Roadway/Hydraulic Engineer for this project. . Responsibilities include client communications, subconsultant coordination, completion of the roadway design, plan preparation, waterline relocation, NPDES and Health Department permit documents, bridge hydraulic analysis using HEC-RAS and the preparation of a final hydraulic report.
- **Corridor H, Bismarck to Forman, Grant County, WV:** Roadway Project Manger and the lead Roadway Engineer for the final design of a 2.39-mile section of divided/undivided arterial through mountainous terrain and the ecological sensitive area of Greenland Gap. This project had total project construction cost estimates over \$55M and included major grading including cut and fill benches, paving, major and minor drainage, erosion and sediment control, including sediment basins, coordination with utilities, MSE walls, waterline relocations, hydraulics, causeway design, signing and marking design, MOT, NPDES permitting, and many other aspects of roadway design.
- **I-81 Tabler Station Connector, Berkeley County, WV:** One of the lead designers responsible for many aspects of the roadway design and construction plan development for the preliminary and final design of the 1.55 mile Tabler Station Connector Road, including modification of ramps, replacement of an overpass bridge and design study of an industrial access road. This project included grading, paving, minor drainage, erosion and sediment control, coordination with utilities, water and sewer line relocations, signing and marking design, MOT, NPDES permitting, and many other aspects of roadway design.
- **Jones and Laughlin Overpass Bridge, Berkeley County, WV:** Roadway Project Manger and the lead Roadway Engineer for this project. Responsibilities include client communications,

subconsultant coordination, completion of the roadway design, plan preparation and NPDES Permit.

- **WV Route 10, Man to Rita, Logan County, WV:** Design Team Member responsible for many aspects of the roadway design and plan development for the preliminary and final design of a 4.2-mile section of divided arterial through mountainous terrain. This project was comprised of eight construction projects and one right-of-way project. This project had total project construction cost estimates over \$100M and included major grading including cut and fill benches, paving, major and minor drainage, erosion and sediment control, including sediment basins, coordination with utilities, MSE walls, water and sewer line relocations, river hydraulics, causeway design, signing and marking design, MOT, NPDES permitting, and many other aspects of roadway design.
- **I-64 Widening, Nitro to Crooked Creek, Putnam County, WV:** Design Team Member for the preliminary design of a 3.64 mile section of freeway widening and bridge replacement on Interstate 64 including detailed typical section layout, maintenance of traffic, grading, major and minor drainage, utility relocations, pavement marking, design study report preparation, and NPDES permitting.
- **Corridor H, Scherr to Forman, Grant County, WV:** Design Team Member for the preliminary design of a 2.3-mile section of divided arterial through mountainous terrain including preliminary right-of-way and construction plan development. Tasks include, but not limited to major and minor drainage design, erosion and sediment control, including sediment basins, roadside design, and watershed map preparation detailing disturbed forest lands for various agencies.
- **Elkins Bypass, US 219 to Canfield, Randolph County, WV:** Design Team Member for the preliminary and final design of a 2.5-mile section of divided arterial and interchange including right-of-way and construction plan development. This section extends a new alignment in mountainous terrain from US 219 to US 33. Tasks include, but not limited to grading design including cut and fill benches, major and minor drainage, erosion and sediment control, including sediment basin design with multi stage pipe inlet structure.
- **Bentons Ferry Bridge, Marion County, WV:** Design Team Member for the roadway portion of the design of a bridge replacement structure carrying County Route 64 over the Tygart Valley River and the CSX Railroad. Tasks on this project included minor grading, drainage, paving, sewer line relocation, and box culvert design.
- **Peytona Truss Bridge, Boone County, WV:** Design Team Member for the roadway portion of the design of a new bridge structure carrying WV Route 3 over the Big Coal River. This project was constructed in 2000 and involved minor grading, drainage design, and right of way plans. Estimated total project construction costs over \$1.7M.

## **Curtis G. Paxton, Surveyor**

### **Memberships, Affiliations, and Honors**

West Virginia Society of Professional Surveyors (WVSPS)

### **Professional Experience**

Mr. Paxton served as survey party crew chief on various surveys including boundary, ALTA/ACSM land title surveys, condemnation surveys, WVDOH design projects, GPS aerial control, topographical, construction and building layouts, wireless communications projects, sewer and waterline extensions, construction layout and topographic site surveys. He has over 13 years of AutoCAD experience related to the surveying field.

- WVDOH Design Surveys – Served as survey party crew chief, project manager and survey manager on a variety of roadway and bridge design projects for the West Virginia Division of Highways. Representative projects include:
  - East Huntington Bridge Survey
  - W.V. Route 9, Martinsburg, WV
  - Grade Road, Martinsburg, WV
  - Flowing Springs Road, Charlestown, WV
  - Corridor G 6 lane upgrade, Charleston, WV
  
- Site Design Surveys - Served as survey party crew chief and survey manager on a variety of site development and design projects for a variety of clients. Representative projects include:
  - Thomas Memorial Hospital
  - Greenbrier County Hospital
  - Gilbert Middle & High Schools
  - Tri-State Greyhound Park
  - Doddridge County High School
  - Princeton Elementary School
  
- Cellular Tower Site Construction and Col-location Surveys – Served as survey party crew chief for the site layout and construction drawing for various cell tower location. Representative projects include:
  - Verizon Wireless
  - Bechtel Corporation
  - nTelos
  - Highland Cellular
  - Highland Tower
  - SBA Communications
  - Cellular One
  - Crown Castle International
  - Everclear Communications



- Pegasus Tower
- Divine Tower International
- Nextel Partners
- Spectra Site
- American Tower
- WV Wireless
- Clear Shot
- Strategic Communication Services
- Cingular
- AT&T Wireless

**Darren J. Carte**  
Design Technician

**Education**

A.A.S., Computer Aided Drafting and Design, 1997, West Virginia State College

**Professional Registrations**

Transportation Engineering Technician, WV

**Professional Experience**

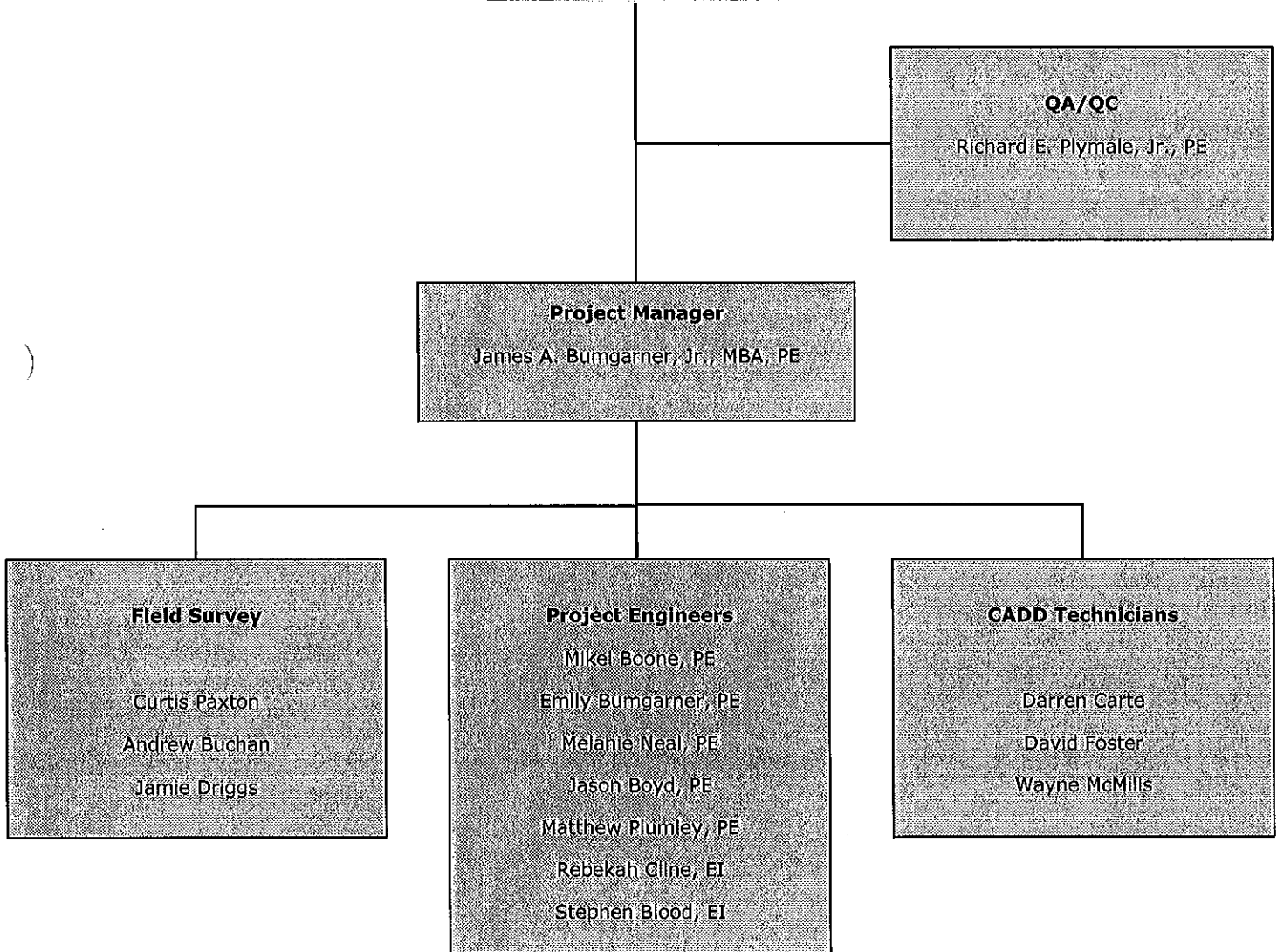
Mr. Carte has nine years of roadway, bridge, and utility CADD experience. He has worked on civil projects ranging from four miles of the West Virginia Department of Transportation, Corridor D Project and related bridge structures, to small simple span structures. He also has experience in site civil and utility design and relocation.

- **Lucille Stalnaker Bridge, CR-17, Gilmer County, WV:** Technician in charge of all CAD design of a three-span steel rolled beam structure, 233 feet in length. This project was a fast track project and completed in six months. Responsibilities include CADD revisions per engineer's comments and preparation of plan sets for submissions.
- **Beech Fork Concrete Beam Bridge, WV-152, Wayne County, WV:** Technician in charge of all CAD design of a simple-span steel plate girder structure, 141 feet in length. Responsibilities include CADD revisions per engineer's comments and preparation of plan sets for submissions.
- **Aronhalt Bridge, CR-1, Grant County, WV:** Technician in charge of all CAD design of a simple-span prestressed concrete box beam structure, 50 feet in length. Responsibilities include CADD revisions per engineer's comments and preparation of plan sets for submissions.
- **Baylee Estates Subdivision, Aynor SC:** CADD Technician for the design of a single family residential subdivision off Floyd Page Road in Aynor SC. Responsibilities include CADD revisions per engineer's comments and preparation of plan sets for submissions.
- **Tower on the Grove PUD, North Myrtle Beach, SC:** CADD Technician for the public infrastructure improvements to be completed as required by a Planned Unit Development (PUD) for two residential condominium towers and three parking deck. The infrastructure improvements include street widening, water and sanitary line replacement, conversion of existing overhead utilities and relocation of existing underground utilities. Responsibilities included CADD revisions per engineer's comments and preparation of plan sets for submissions and displays. Assisted in field surveying of existing utilities and roadway features.

- **Horry County Capital Sales Tax Program, Horry County, SC:** CADD Technician for the Horry County Dirt to Pave Project. This project includes environmental design, utility coordination, right of way acquisition, and construction services for paving 100 miles Horry County dirt road. Responsibilities included CADD revisions per engineer's comments and preparation of plan sets for submissions and displays. Assisted in field surveying of existing utilities and roadway features.
- **SHE-47-11.52 Bridge Replacement, Shelby County, OH:** Technician in charge for all CAD design for the replacement of a deficient a three-span (30'-37.5'-30') continuous steel rolled beam structure on State Route 47 in Shelby County, Ohio. The replacement structure is a three-span (30'-37.5'-30') continuous reinforced concrete slab bridge with capped pile abutments and capped pile piers.
- **Brooks Street Bridge Inspection, I-77, Kanawha County, WV :** Inspector for the inspection of three multi-span box beam bridges. Assisted in performing an Interim Inspection in accordance with the West Virginia Bridge Inspection Standards and the AASHTO Manual for Condition Evaluation of Bridges.
- **I-64 Bridge over the Kanawha River, Kanawha County, WV:** Technician in charge of all CAD design on the curved steel plate girder approach spans for the I-64 Kanawha River Bridge. The west approach was a four span structure, 982 feet in length, and the east approach was a simple span structure, 210 feet in length. The approach spans were designed with the 2005 Interim (LRFD Curved Girder) of AASHTO LRFD Bridge Design Specifications.
- **Brooks Street Ramp GH and Ramps G & H, Charleston, Kanawha County, WV:** Inspector for the inspection of three multi-span steel box beam bridges. Assisted in performing an In-Depth Periodical inspection in accordance with the West Virginia Bridge Inspection Standards and the AASHTO Manual for Condition Evaluation of Bridges.
- **North Bend Road Major Widening, Boone County, KY:** CADD Technician for the design of a two lane to six lane highway with two roundabouts. Responsibilities include CADD revisions per engineer's comments and preparation of plan sets for submissions.
- **U.S. Route 50, Appalachian Corridor D, Wood County, WV:** CADD Technician for the design of 2.5 miles of U.S. Route 50 – Interstate 77 to Alternate Route 14/East Street; 1.55 miles of U.S. Route 50 – Ohio Route 618 to Greenland Addition. Responsibilities include CADD revisions per engineer's comments and preparation of plan sets for submissions.
- **Radnor Bridge, County Route 36, Wayne County, WV:** CADD Technician for the design of a simple span steel plate girder structure, 130 feet in length. Responsibilities include CADD revisions per engineer's comments and preparation of plan sets for submissions.
- **Scragg's Bridge, Scragg's Drive Charleston, Kanawha County, WV:** CADD Technician for the design of a simple span prestressed concrete I-Beam structure, 77 feet in length. Responsibilities include CADD revisions per engineer's comments and preparation of plan sets for submissions.

- **Huntington Commerce Park Bridge, County Route 52/9, Cabell County, WV:** CADD Technician for the design of a simple span steel plate girder structure, 135 feet in length. Responsibilities include CADD revisions per engineer's comments and preparation of plan sets for submissions.
- **U.S. Route 50, Appalachian Corridor D over County Route 50/2, Wood County, WV:** CADD Technician for the design of a simple span prestressed concrete I-Beam structure, 70 feet in length. Responsibilities include CADD revisions per engineer's comments and preparation of plan sets for submissions.
- **U.S. Route 50, Appalachian Corridor D over Buckeye Street, Wood County, WV:** CADD Technician for the design of a simple span prestressed concrete I-Beam structure, 70 feet in length. Responsibilities include CADD revisions per engineer's comments and preparation of plan sets for submissions.
- **Paw Paw Bridge, WV Route 9, Morgan County, WV:** CADD Technician for the design of a simple span prestressed concrete I-Beam structure, 98 feet in length. Responsibilities include CADD revisions per engineer's comments and preparation of plan sets for submissions.
- **Utility Improvement/Relocation, Valley Falls PSD, Marion County, WV:** CADD Technician for the design of improvements/replacements of 2500 feet of water main, storage upgrade, and booster station. Field work included marking existing utilities and topographical verification. Responsibilities include CADD revisions per engineer's comments and preparation of plan sets for submissions.
- **Utility Relocation, WV Route 10-Rita to Dabney Road. Logan County, WV:** CADD Technician for the Design of relocations of water utilities. Responsibilities include CADD revisions per engineer's comments and preparation of plan sets for submissions.

## 2. Organizational Chart



### 3. Request for Quotation



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  
**DEP15068**

PAGE  
**1**

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

REF COPY



400 Tracy Way, Suite 200  
 Charleston WV 25311

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	FOB	FREIGHT TERMS
05/20/2010				

BID OPENING DATE: **06/29/2010** BID OPENING TIME **01:30PM**

LINE	QUANTITY	UOP	CAT. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
0001	1	JB		906-29		
<p>TUB RUN HW &amp; REFUSE PH I 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 TUB RUN HW &amp; REFUSE PH I PROJECT IN TUCKER 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>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE: TELEPHONE: 304-345-6712 DATE: 06/29/10

TITLE: PROJECT MANAGER FEIN: 26-1416421 ADDRESS CHANGES TO BE NOTED ABOVE

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

## GENERAL TERMS & CONDITIONS REQUEST FOR QUOTATION (RFQ) AND REQUEST FOR PROPOSAL (RFP)

- Awards will be made in the best interest of the State of West Virginia.
2. The State may accept or reject in part, or in whole, any bid.
  3. Prior to any award, the apparent successful vendor must be properly registered with the Purchasing Division and have paid the required \$125 fee.
  4. All services performed or goods delivered under State Purchase Order/Contracts are to be continued for the term of the Purchase Order/Contracts, contingent upon funds being appropriated by the Legislature or otherwise being made available. In the event funds are not appropriated or otherwise available for these services or goods this Purchase Order/Contract becomes void and of no effect after June 30.
  5. Payment may only be made after the delivery and acceptance of goods or services.
  6. Interest may be paid for late payment in accordance with the *West Virginia Code*.
  7. Vendor preference will be granted upon written request in accordance with the *West Virginia Code*.
  8. The State of West Virginia is exempt from federal and state taxes and will not pay or reimburse such taxes.
  9. The Director of Purchasing may cancel any Purchase Order/Contract upon 30 days written notice to the seller.
  10. The laws of the State of West Virginia and the *Legislative Rules* of the Purchasing Division shall govern the purchasing process.
  11. Any reference to automatic renewal is hereby deleted. The Contract may be renewed only upon mutual written agreement of the parties.
  12. **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.
  13. **HIPAA BUSINESS ASSOCIATE ADDENDUM:** The West Virginia State Government HIPAA Business Associate Addendum (BAA), approved by the Attorney General, is available online at [www.state.wv.us/admin/purchase/vrc/hipaa.htm](http://www.state.wv.us/admin/purchase/vrc/hipaa.htm) and is hereby made part of the agreement. Provided that the Agency meets the definition of a Cover Entity (45 CFR §160.103) and will be disclosing Protected Health Information (45 CFR §160.103) to the vendor.
  14. **CONFIDENTIALITY:** The vendor agrees that he or she will not disclose to anyone, directly or indirectly, any such personally identifiable information or other confidential information gained from the agency, unless the individual who is the subject of the information consents to the disclosure in writing or the disclosure is made pursuant to the agency's policies, procedures, and rules. Vendor further agrees to comply with the Confidentiality Policies and Information Security Accountability Requirements, set forth in <http://www.state.wv.us/admin/purchase/privacy/noticeConfidentiality.pdf>.
  15. **LICENSING:** Vendors must be licensed and in good standing in accordance with any and all state and local laws and requirements by any state or local agency of West Virginia, including, but not limited to, the West Virginia Secretary of State's Office, the West Virginia Tax Department, and the West Virginia Insurance Commission. The vendor must provide all necessary releases to obtain information to enable the director or spending unit to verify that the vendor is licensed and in good standing with the above entities.
  16. **ANTITRUST:** In submitting a bid to any agency for the State of West Virginia, the bidder offers and agrees that if the bid is accepted the bidder will convey, sell, assign or transfer to the State of West Virginia all rights, title and interest in and to all causes of action it may now or hereafter acquire under the antitrust laws of the United States and the State of West Virginia for price fixing and/or unreasonable restraints of trade relating to the particular commodities or services purchased or acquired by the State of West Virginia. Such assignment shall be made and become effective at the time the purchasing agency tenders the initial payment to the bidder.
- I certify that this bid is made without prior understanding, agreement, or connection with any corporation, firm, limited liability company, partnership, or person or entity submitting a bid for the same material, supplies, equipment or services and is in all respects fair and without collusion or fraud. I further certify that I am authorized to sign the certification on behalf of the bidder or this bid.

### INSTRUCTIONS TO BIDDERS

1. Use the quotation forms provided by the Purchasing Division. Complete all sections of the quotation form.
2. Items offered must be in compliance with the specifications. Any deviation from the specifications must be clearly indicated by the bidder. Alternates offered by the bidder as **EQUAL** to the specifications must be clearly defined. A bidder offering an alternate should attach complete specifications and literature to the bid. The Purchasing Division may waive minor deviations to specifications.
3. Unit prices shall prevail in case of discrepancy. All quotations are considered F.O.B. destination unless alternate shipping terms are clearly identified in the quotation.
4. All quotations must be delivered by the bidder to the office listed below prior to the date and time of the bid opening. Failure of the bidder to deliver the quotations on time will result in bid disqualifications: Department of Administration, Purchasing Division, 2019 Washington Street East, P.O. Box 50130, Charleston, WV 25305-0130
5. Communication during the solicitation, bid, evaluation or award periods, except through the Purchasing Division, is strictly prohibited (W.Va. C.S.R. §148-1-6.6).





**Electronic copies of the above referenced documents Attachment "B" and Attachment "C" are available online for registered vendors at:**  
**<http://www.state.wv.us/admin/purchase/newbul.htm>**

**1.4 Inquiries:**

Additional information inquiries regarding this EOI must be submitted in writing to the State Buyer with the exception of questions regarding proposal submission, which may be oral. The deadline for written inquiries is identified in the Schedule of Events, Section 1.16. All inquiries of specification clarification must be addressed to:

Chuck Bowman, Buyer Supervisor  
Purchasing Division  
P.O. Box 50130  
Charleston, WV 25305-0130  
Fax: (304) 558-4115  
Email: charles.a.bowmanjr@wv.gov

**The firm, or anyone on the firm's behalf, is not permitted to make any contact whatsoever with any member of the evaluation committee.** Violation may result in rejection of the EOI. The State Buyer named above is the sole contact for any and all inquiries after this EOI has been released.

**1.5 Vendor Registration:**

Firms participating in this process should complete and file a **Vendor Registration and Disclosure Statement** (Form WV-1) and remit the registration fee. Firm is not required to be a registered vendor in order to submit an EOI, but the **successful firm must** register and pay the fee prior to the issuance of an actual contract.

**1.6 Oral Statements and Commitments:**

Firm must clearly understand that any verbal representations made or assumed to be made during any oral discussions held between firm's representatives and any State personnel are **not** binding. Only the information issued in writing and added to the Expression of Interest specifications file by an official written addendum is binding.

**1.7 Economy of Preparation:**

EOI's should be prepared simply and economically, providing a straightforward, concise description of firm's abilities to satisfy the requirements of the EOI.

Emphasis should be placed on completeness and clarity of content. Example projects referred to in a firm's EOI's submittal should address projects that are similar in scope to that of the EOI. **Firms must complete the CQQ and RPEM as included in Section 4.2 of this EOI. (Proposals must be no more than 100 pages).**

1.8 **Labeling of the Sections:** The response sections should be labeled for ease of evaluation.

1.9 **Submission:**

1.9.1 State law requires that the original expression shall be submitted to the Purchasing Division. All copies to the Purchasing Division must be submitted **prior** to the date and time stipulated as the opening date. All expressions will be date and time stamped on the Purchasing Division official time clock to verify time and date of receipt.

1.9.2 Firms mailing expressions should allow sufficient time for mail delivery to ensure timely arrival. The Purchasing Division **CANNOT** waive or excuse late receipt of an expression which is delayed and late for any reason according West Virginia State Code §5A-3-11. Any EOI received after the bid opening time and date will be immediately disqualified in accordance with State law and the Legislative Rule 148-CSR-1.

**Submit:**

One original plus one convenience copy and one copy on CD to:

Purchasing Division  
2019 Washington Street, East  
P.O. Box 50130  
Charleston, WV 25305-0130

The outside of the envelope or package(s) should be clearly marked:

Buyer: CB-23  
Req #: DEP15068  
Opening Date: 06/29/2010  
Opening Time: 1:30 pm

**1.10 Rejection of Expressions:**

The State shall select the best value solution according to §5G-1-3 of the West Virginia State Code. However, the State reserves the right to accept or reject any or all expressions and to reserve the right to withdraw this Expression of Interest at any time and for any reason. Submission of, or receipt by the State of Expressions confers no rights upon the firm nor obligates the State in any manner.

**1.11 Incurring Costs:**

The State and any of its employees or officers shall not be held liable for any expenses incurred by any firm responding to this EOI for expenses to prepare, deliver, or to attend the short-list interviews.

**1.12 Addenda:**

If it becomes necessary to revise any part of this EOI, an official written addendum will be issued by the State to all potential firms of record.

**1.13 Independent Price Determination:**

A contract will not be considered for award if the negotiated price was not arrived at independently without collusion, consultation, communication, or agreement as to any matter relating to prices with any competitor.

**1.14 Price Quotations:** No "price" or "fee" quotation is requested or permitted in the response.

**1.15 Public Record:**

*1.15.1 Submissions are Public Record.*

All documents submitted to the State Purchasing Division related to purchase orders/contracts are considered public records. All EOI's submitted by firms shall become public information and are available for inspection during normal official business hours in the Purchasing Division Records and Distribution center after the expressions have been opened.

*1.15.2 Written Release of Information.*

All public information may be released with or without a Freedom of Information request, however, only a written request will be acted upon with duplication fees paid in advance. Duplication fees shall apply to all requests for copies of any document. Currently the fees are \$0.50/page, or a minimum of \$10.00 per request, whichever is greater.

### 1.15.3 *Risk of Disclosure.*

The only exemptions to disclosure of information are listed in West Virginia Code §29B-1-4. Primarily, only trade secrets as submitted by a firm are the only exemption to public disclosure. The submission of any information to the State by a firm puts the risk of disclosure on the firm. The submission of any information to the State by a vendor puts the risk of disclosure on the vendor. The State does not guarantee non-disclosure of any information to the public.

### 1.16 **Schedule of Events:**

Release of EOI.....05/20/2010  
EOI Opening Date.....06/29/2010

### 1.17 **Mandatory Pre-bid Conference:** NA

### 1.18 **Bond Requirements:** N/A

### 1.19 **Purchasing Affidavit:**

West Virginia State Code §5A-3-10a (3) (d) requires that all firms submit an Affidavit regarding any debt owed to the State and licensing and confidentiality certifications. The Affidavit **must** be signed and submitted prior to award. It is preferred that the Affidavit be submitted with the EOI.

## **PART 2**

## **OPERATING ENVIRONMENT**

### 2.1 **Location:**

#### **Directions to Tub Run Highwall & Refuse – Phase I:**

**Site #1:** From Thomas, cross North Fork of Blackwater River and follow 219 South for 3.2 miles to access road on the left. Turn left and travel along the dirt access road through the gate to the bench.

**Site #2:** Travel to Thomas and take the Douglas Road (Route 27) and proceed on the blacktop road to Douglas, which turns into a dirt road (Canyon Rim Road). Travel 1.7 miles to old haul road on the right. Follow the haul road to the bench.

### 2.2 **Background:**

Firms are to be licensed Architectural/Engineering Firms (A/E) and should be familiar with, and have a successful track record of design of similar projects. The anticipated contract will be for "full-service" A/E design. Aspects of the design are to include, but not be limited to, Civil, Structural, Geological and Hydrological.

The successful A/E will be responsible for **Design** of the following:

Site 1 includes approximately 2 acres of unvegetated, exposed coal refuse toeing into Long Run about 25' high X 100' wide X 400' long. There is 6000 LF of highwall that averages 22' in height. The highwall is mostly vertical with sloughed in vegetated areas. Also, there is 2300 LF of highwall that averages 15' in height. It ranges from vertical to sloughed in and vegetated.

Site 2 has approximately 10 acres of unvegetated and vegetated, refuse and spoil toeing into Finley Run. Ranges from flat to steep with eroding outslopes. Also there is approximately 4000 LF of highwall that averages 20' in height. Ranges from vertical to sloughed in and vegetated.

Preliminary design documents will be due 90 days from the issuance of the Purchase Order.

### **PART 3                   PROCUREMENT SPECIFICATIONS**

#### **3.1    General Requirements:**

Firm must submit a completed CQQ (Attachment "B") and RPEM (Attachment "C") as per Section 4.2

#### **3.2    Project Description:**

##### **Scope of Work – Tub Run Highwall & Refuse – Phase I:**

Prepare site by clearing & grubbing.

Upgrade access road.

Backfill the highwalls & regrade the refuse to original contour.

Construct drainage channels and install culverts to allow water to flow safely from site.

Condition and revegetate all disturbed areas

#### **3.3    Special Terms and Conditions:**

3.3.1 *Bid and Performance Bonds: N/A*

3.3.2 *Insurance Requirements:* \$1,000,000 Professional Liability per Occurrence  
 \$1,000,000 Aggregate  
 \$1,000,000 Automobile Liability  
 \$1,000,000 Professional Liability  
 Workers Compensation Certificate Upon Award  
 West Virginia Statutory requirements including  
 West Virginia Code §23-4-2 (Mandolidis)  
 DEP15068 must be listed on Insurance Certificates

3.4 **General Terms and Conditions:**

By signing and submitting the EOI, the successful firm agrees to be bound by all the terms contained in Section Three (3) of this EOI.

3.4.1 *Conflict of Interest:*

Firm affirms that it, its officers or members or employees presently have no interest and shall not acquire any interest, direct or indirect which would conflict or compromise in any manner or degree with the performance or its services hereunder. The firm further covenants that in the performance of the contract, the firm shall periodically inquire of its officers, members and employees concerning such interests. Any such interests discovered shall be promptly presented in detail to the Agency.

3.4.2 *Prohibition Against Gratuities:*

Firm warrants that it has not employed any company or person other than a bona fide employee working solely for the firm or a company regularly employed as its marketing agent to solicit or secure the contract and that it has not paid or agreed to pay any company or person any fee, commission, percentage, brokerage fee, gifts or any other consideration contingent upon or resulting from the award of the contract. For breach or violation of this warranty, the State shall have the right to annul this contract without liability at its discretion, and/or to pursue any other remedies available under this contract or by law.

3.4.3 *Certifications Related to Lobbying:*

Firm certifies that no federal appropriated funds have been paid or will be paid, by or on behalf of the company or an employee thereof, to any person for purposes of influencing or attempting to influence an officer or employee of any Federal entity, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment or modification of any Federal contract, grant, loan, or cooperative agreement.

If any funds other than federally appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee or any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the firm shall complete and submit a disclosure form to report the lobbying.

Firm agrees that this language of certification shall be included in the award documents for all sub-awards at all tiers (including subcontracts, sub-grants, and contracts under grants, loans, and cooperative agreements) and that all sub recipients shall certify and disclose accordingly. This certification is a material representation of fact upon which reliance was placed when this contract was made and entered into.

#### *3.4.4 Vendor Relationship:*

The relationship of the firm to the State shall be that of an independent contractor and no principal-agent relationship or employer-employee relationship is contemplated or created by the parties to this contract. The firm as an independent contractor is solely liable for the acts and omissions of its employees and agents.

Firm shall be responsible for selecting, supervising and compensating all individuals employed pursuant to the terms of this EOI and resulting contract. Neither the firm nor any employees or contractors of the firm shall be deemed to be employees of the State for any purposes whatsoever.

The Firm shall be exclusively responsible for payment of employees and contractors for all wages and salaries, taxes, withholding payments, penalties, fees, fringe benefits, professional liability insurance premiums, contributions to insurance and pension or other deferred compensation plans, including but not limited to Workers' Compensation and Social Security obligations, and licensing fees, etc. and the filing of all necessary documents, forms and returns pertinent to all of the foregoing.

The Firm shall hold harmless the State, and shall provide the State and Agency with a defense against all claims including but not limited to the foregoing payments, withholdings, contributions, taxes, social security taxes and employer income tax returns.

The firm shall not assign, convey, transfer or delegate any of its responsibilities and obligations under this contract to any person, corporation, partnership, association or entity without expressed written consent of the Agency.



#### **3.4.5 Indemnification:**

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

#### **3.4.6 Contract Provisions:**

After the most qualified firm is identified, and fee negotiations are concluded, a formal contract document will be executed between the State and the firm. The order of precedence is the contract, the EOI and the firm's response to the EOI.

#### **3.4.7 Governing Law:**

This contract shall be governed by the laws of the State of West Virginia. The firm further agrees to comply with the Civil Rights Act of 1964 and all other applicable laws (Federal, State or Local Government) regulations.

#### **3.4.8 Compliance with Laws and Regulations:**

The firm shall procure all necessary permits and licenses to comply with all applicable laws, Federal, State or municipal, along with all regulations, and ordinances of any regulating body.

The firm shall pay any applicable sales, use, or personal property taxes arising out of this contract and the transactions contemplated thereby. Any other taxes levied upon this contract, the transaction, or the equipment, or services delivered pursuant here to shall be borne by the contractor. It is clearly understood that the State of West Virginia is exempt from any taxes regarding performance of the scope of work of this contract.

#### **3.4.9 Subcontracts/Joint Ventures:**

The State will consider the firm to be the sole point of contact with regard to all contractual matters. The firm may, with the prior written consent of the State, enter into written subcontracts for performance of work under this contract; however, the firm is totally responsible for payment of all subcontractors.

**3.4.10 *Term of Contract:***

This contract will be effective (date set upon award) and shall extend until the scope of work is complete or for one (1) consecutive twelve (12) month period. The contract may be renewed upon mutual consent for two (2) consecutive years one (1) year periods or until such reasonable time as may be necessary to obtain a new contract or to complete work.

**3.4.11 *Non-Appropriation of Funds:***

If the Agency is not allotted funds in any succeeding fiscal year for the continued use of the service covered by this contract by the West Virginia Legislature, the Agency may terminate the contract at the end of the affected current fiscal period without further charge or penalty. The Agency shall give the firm written notice of such non-allocation of funds as soon as possible after the Agency receives notice. No penalty shall accrue to the Agency in the event this provision is exercised.

**3.4.12 *Contract Termination:***

The State may terminate any contract resulting from this EOI immediately at any time the firm fails to carry out its responsibilities or to make substantial progress under the terms of this EOI and resulting contract. The State shall provide the firm with advance notice of performance conditions, which are endangering the contract's continuation. If after such notice the firm fails to remedy the conditions contained in the notice, within the time contained in the notice, the State shall issue the firm an order to cease and desist all work immediately.

The State shall be obligated only for services rendered and accepted prior to the date of the notice of termination. The contract may also be terminated upon mutual agreement of the parties with thirty (30) days prior notice.

**3.4.13 *Changes:***

If changes to the original contract become necessary, a formal contract change order will be required. Prior to any work being performed, the change must be negotiated and approved by the State, the Agency and the firm. An approved contract change order is defined as one approved by the Purchasing Division and approved as to form by the West Virginia Attorney General's Office prior to the effective date of such amendment. **NO CHANGE SHALL BE IMPLEMENTED BY THE FIRM UNTIL THE FIRM RECEIVES AN APPROVED WRITTEN CHANGE ORDER.**

**3.4.14 *Invoices, Progress Payments, & Retainage:***

The Firm shall submit invoices, in arrears, to the Agency at the address on the face of the purchase order labeled "Invoice To" pursuant to the terms of the

contract. Progress payments may be made at the option of the Agency based on percentage of work completed if so defined in the final contract. Any provision for progress payments must also include language for a minimum 10% retainage until the final deliverable is accepted.

If progress payments are permitted, firm is required to identify points in the work plan at which compensation would be appropriate. Progress reports must be submitted to Agency with the invoice detailing progress completed or any deliverables identified. Payment will be made only upon approval of acceptable progress or deliverables as documented in the firm's report. Invoices may not be submitted more than once monthly and State law forbids payment of invoices prior to receipt of services.

*The firm will invoice for completed work on an approved WVDEP form.*

#### **3.4.15 Liquidated Damages:**

According to West Virginia State Code §5A-3-4(8), firm agrees that liquidated damages shall be imposed at the rate of N/A per workday, for failure to provide deliverables at the agreed upon date identified in the final contract. This clause shall in no way be considered exclusive and shall not limit the State or Agency's right to pursue to any other additional remedy to which the State or Agency may have legal cause for action including further damages against the firm.

#### **3.4.16 Record Retention (Access & Confidentiality):**

Firm shall comply with all applicable Federal and State of West Virginia rules and regulations, and requirements governing the maintenance of documentation to verify any cost of services or commodities rendered under this contract by the firm. The firm shall maintain such records a minimum of five (5) years and make available all records to Agency personnel at firm's location during normal business hours upon written request by Agency within 10 days after receipt of the request.

Firm shall have access to private and confidential data maintained by Agency to the extent required for firm to carry out the duties and responsibilities defined in this contract. Firm agrees to maintain confidentiality and security of the data made available and shall indemnify and hold harmless the State and Agency against any and all claims brought by any party attributed to actions of breach of confidentiality by the firm, subcontractors, or individuals permitted access by the firm.

## PART 4 EVALUATION & AWARD

### 4.1 Evaluation and Award Process:

- a) Expressions of Interest will be evaluated and awarded in accordance with **§5G-1-3 "Contracts for architectural and engineering services; selection process where total project costs are estimated to cost two hundred fifty thousand dollars or more."**

"In the procurement of architectural and engineering services for projects estimated to cost two hundred and fifty thousand dollars or more the director of purchasing shall encourage such firms engaged in the lawful practice of the profession to submit an expression of interest, which shall include a statement of qualifications, and performance data and may include anticipated concepts and proposed methods of approach to the project. All such jobs shall be announced by public notice published as a Class II legal advertisement in compliance with the provisions of article three [§59-3-1et seq.] A committee comprised of three to five representatives of the agency initiating the request shall evaluate the statements of qualifications and performance data and other material submitted by the interested firms and select three firms which in their opinion are the best qualified to perform the desired service. Interviews with each firm selected shall be conducted and the committee shall conduct discussions regarding anticipated concepts and the proposed methods of approach to the assignment. The committee shall then rank in order of preference no less than three professional firms deemed to be the most highly qualified to provide the services required, and shall commence scope of service and price negotiations with the highest qualified professional firm for architectural or engineering services or both. Should the agency be unable to negotiate a satisfactory contract with the professional firm considered to be the most qualified, at a fee determined to be fair and reasonable, price negotiations with the firm of second choice shall commence. Failing accord with the second most qualified professional firm, the committee shall undertake price negotiations with the third most qualified professional firm. Should the agency be unable to negotiate a satisfactory contract with any of the selected professional firms, it shall select additional professional firms in order of their competence and qualifications and it shall continue negotiations in accordance with this section until an agreement is reached."

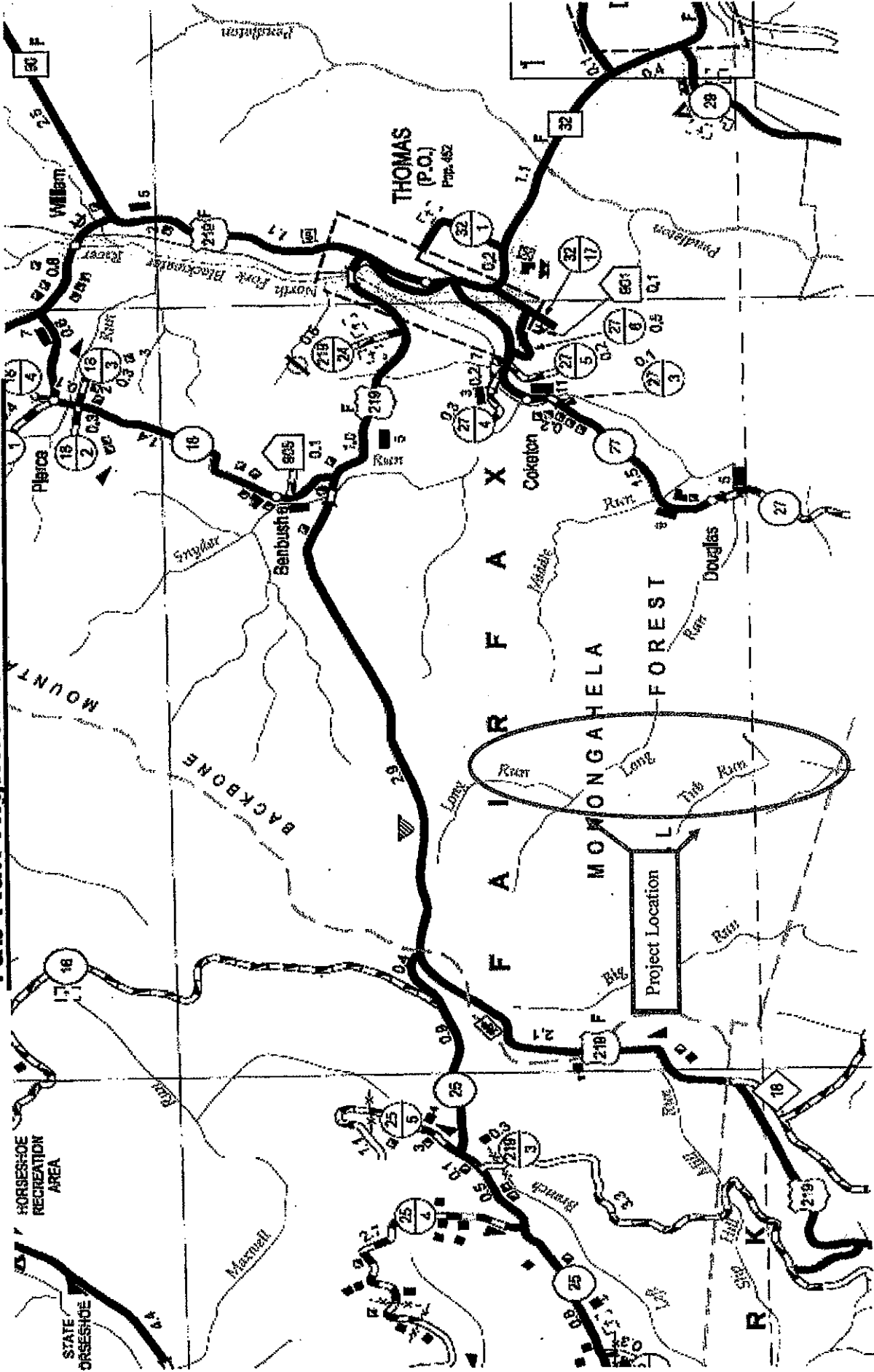
b) The evaluation criteria and assigned point values are as follows:

- |    |   |           |
|----|---|-----------|
| A. | WV Registered Professional Engineers (Civil or Mining)<br>In the Primary Office:  | 20 points |
| B. | Reclamation Engineering design experience of the Primary<br>Office's WVRPE as it relates to the specific project problem<br>Areas:  | 25 points |
| C. | Available WV-AML Design Teams within the Primary office<br>(A Design team should consist of one Project Engineer (Civil<br>or Mining), one CAD person and availability of other support<br>personnel a required by the particular project): | 20 points |
| D. | The Oral Interview (See Section 4.3 of this EOI):   | 35 points |
- 4.2 (a) AML Consultant Qualification Questionnaire (CQQ) must be completed to be eligible (See Attachment "B").
- (b) AML and Related Project Experience Matrix (RPEM) must also be completed to be eligible (See Attachment "C").
- 4.3 Interviews as stated in 4.1 "Evaluation and Award Process" will be conducted with the three firms selected as the most qualified by the WVDEP Selection Committee. The Committee will schedule the interviews.

The format for the interviews will be a 15-30 minute PowerPoint presentation consisting, at a minimum, of the following:

- Corporate/personnel experience as it relates to the project or projects
- Proposed project management plan
- Key personnel available for the proposed work
- Proposed subcontractors (mapping, geotechnical, etc.)
- Product quality control
- Project cost control

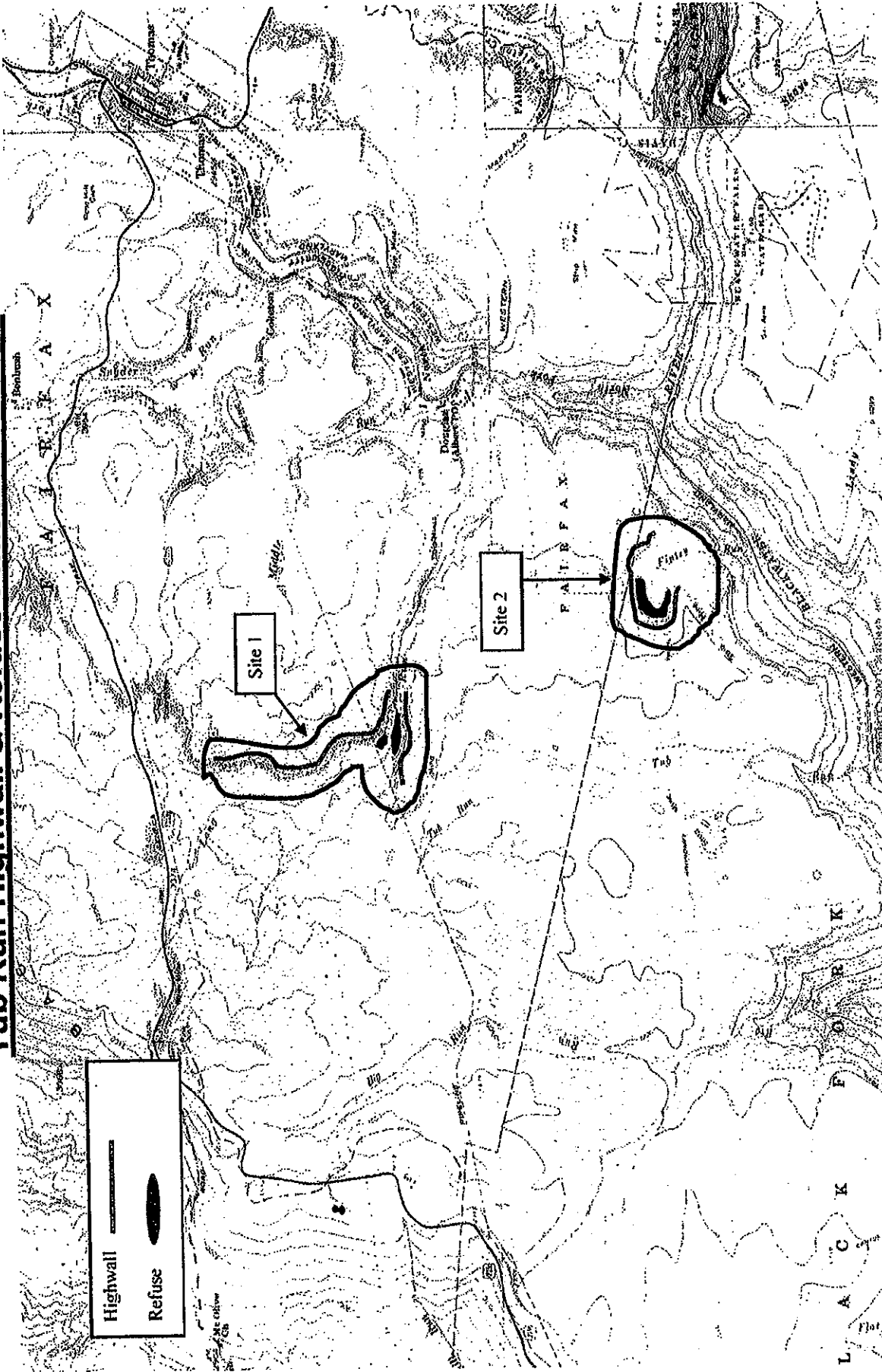
# Project Location Map Tub Run Highwall & Refuse WV-2279



Tucker County  
Longitude: 79° 33' 2.2"

Lead Mine / Mozark Mt. Quad  
Latitude: 39° 7' 46.3"

**Project Location Map**  
**Tub Run Highwall & Refuse Phase I WV-2279**

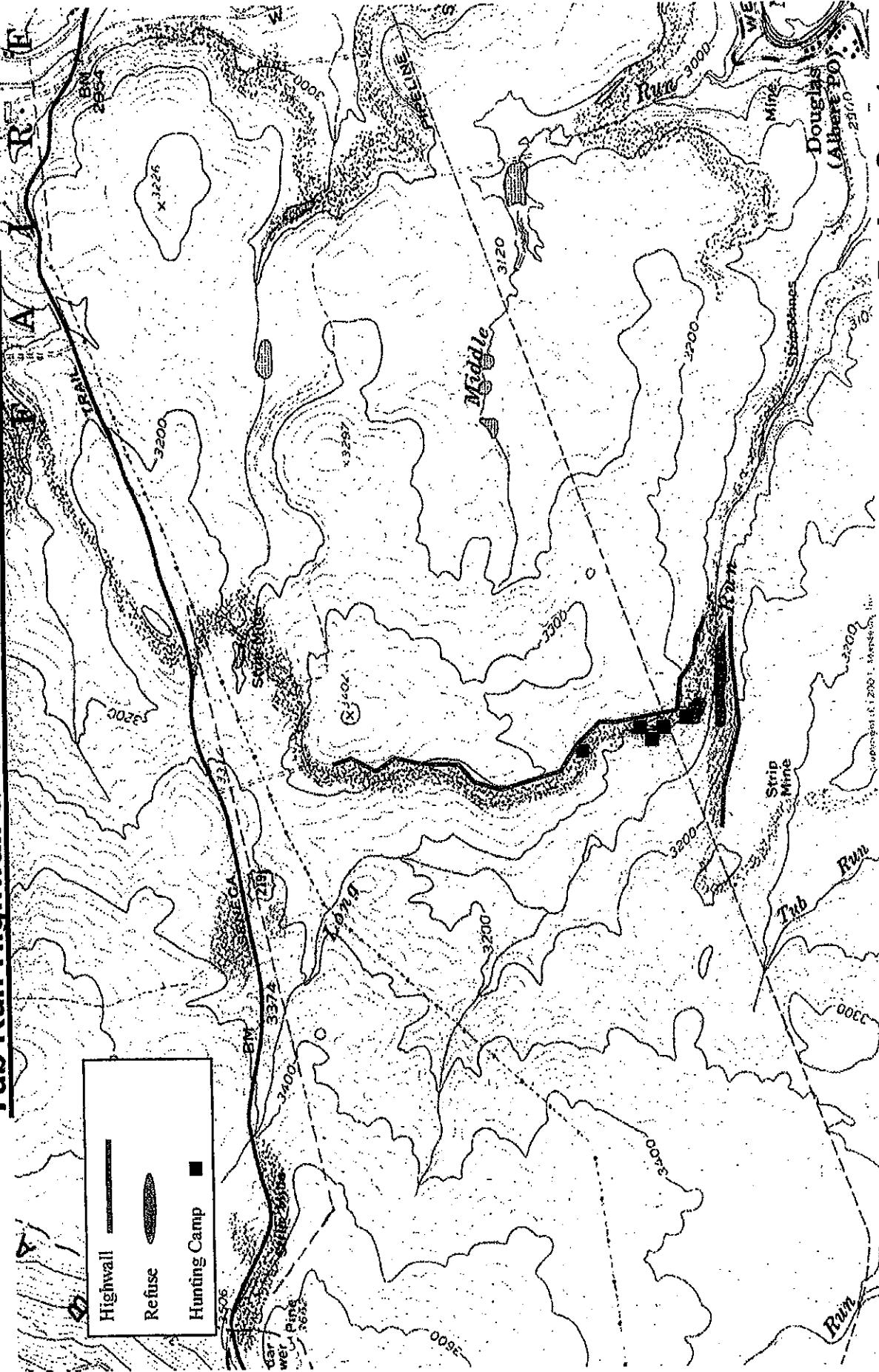


**Lead Mine / Mozark Mt. Quad**  
**Latitude: 39° 7' 46.3"**

**Tucker County**  
**Longitude: 79° 33' 2.2"**

**Scale: 1 inch = ~3,200 Feet**

# Project Location Map Tub Run Highwall & Refuse Phase I (Site 1) WV-2279



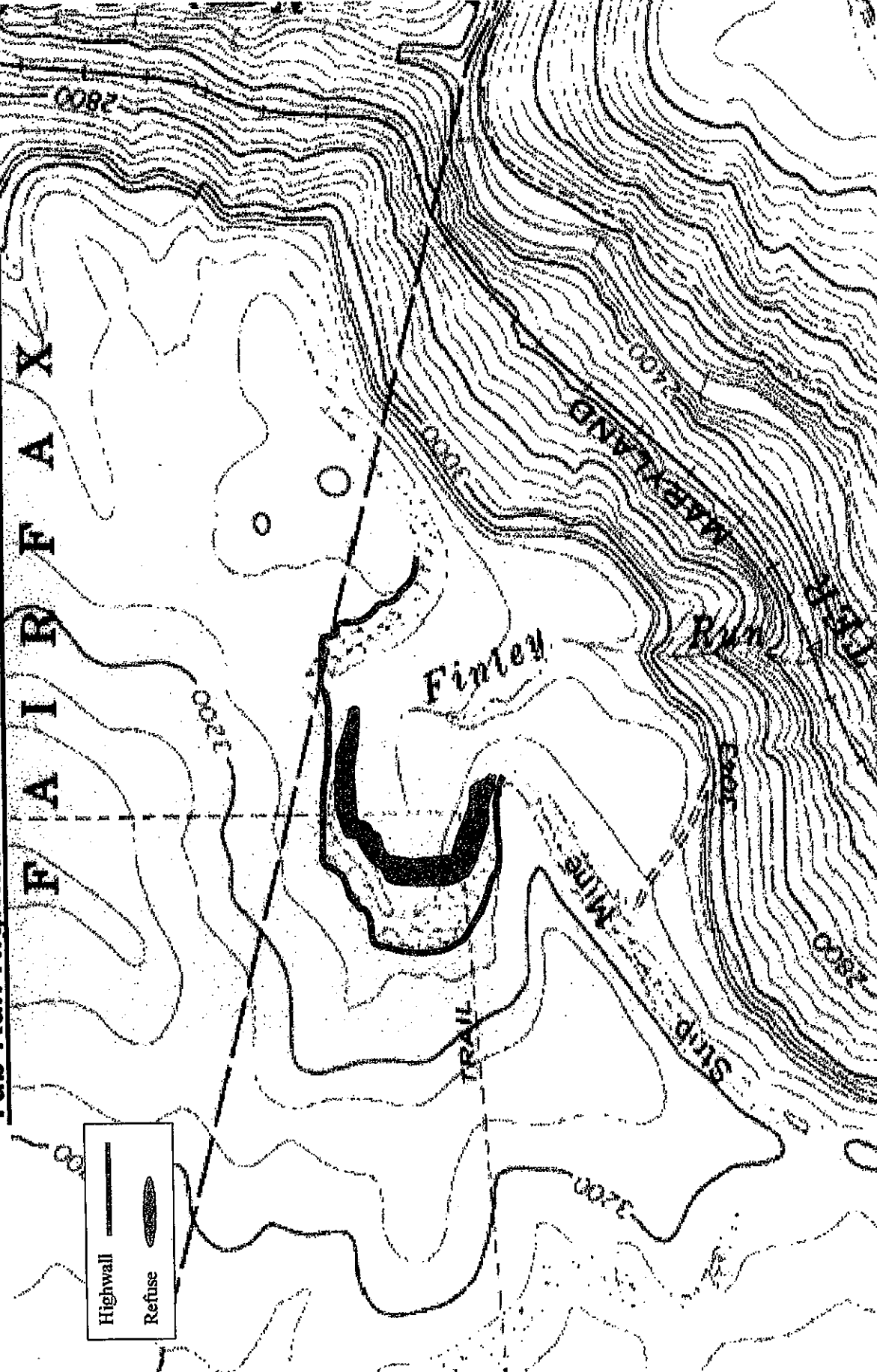
Tucker County  
Longitude: 79° 33' 2.2"

Lead Mine / Mozark Mt. Quad  
Latitude: 39° 7' 46.3"

Scale: 1 inch = 1,500 Feet



**Project Location Map**  
**Tub Run Highwall & Refuse Phase I (Site 2) WV-2279**



**Tucker County**  
**Longitude: 79° 32' 6.36"**

**Lead Mine / Mozark Mt. Quad**  
**Latitude: 39° 6' 48.27"**

**Scale: 1 inch = ~650 Feet**

#### 4. No Debt Affidavit

)

)

## 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.

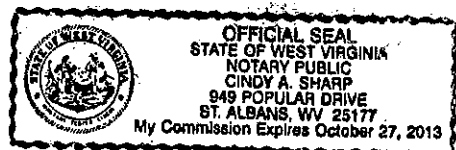
"Debtor" means any individual, corporation, partnership, association, limited liability company or any other form or business association owing a debt to the state or any of its political subdivisions. "Political subdivision" means any county commission; municipality; county board of education; any instrumentality 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 SIGNATURE**Vendor's Name: RPM Engineers, IncAuthorized Signature:  Date: June 29, 2010State of West VirginiaCounty of Kanawha, to-wit:Taken, subscribed, and sworn to before me this 29<sup>th</sup> day of June, 2010.My Commission expires October 27, 2013.

AFFIX SEAL HERE

NOTARY PUBLIC 

**5. Attachment “B” AML Consultant Confidential Qualification Questionnaire**

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

Attach t "B"

PROJECT NAME  
 Tub Run HW & Refuse Ph 1 Design  
 RFQ #DEP15068

DATE (DAY, MONTH, YEAR)  
 29, June, 2010

FEIN  
 26-1416421

1. FIRM NAME  
 RPM Engineers, Inc.

2. HOME OFFICE BUSINESS ADDRESS  
 400 Tracy Way, Suite 200  
 Charleston, WV 25311

3. FORMER FIRM NAME  
 N/A

4. HOME OFFICE TELEPHONE  
 (304) 345-6712

5. ESTABLISHED (YEAR)  
 2004

6. TYPE OWNERSHIP  
 Corporation

6a. WV REGISTERED DBE  
 Disadvantaged Business  
 Enterprise)           
 No

7. PRIMARY AML DESIGN OFFICE: ADDRESS/ TELEPHONE/ PERSON IN CHARGE/ NO. AML DESIGN PERSONNEL EACH OFFICE  
 400 Tracy Way, Suite 200/(304) 345-6712/Richard E. Plymale, Jr., P.E./Six (6)  
 Charleston, WV 25311

8. NAMES OF PRINCIPAL OFFICERS OR MEMBERS OF FIRM  
 Richard E. Plymale, Jr., P.E., CEO  
 John B. Barefoot, P.E., President, 804-302-4213

9. PERSONNEL BY DISCIPLINE

7 ADMINISTRATIVE	1 LANDSCAPE ARCHITECTS	10 STRUCTURAL ENGINEERS
ARCHITECTS	MECHANICAL ENGINEERS	7 SURVEYORS
BIOLOGIST	<b>MINING ENGINEERS</b>	TRAFFIC ENGINEERS
3 CADD OPERATORS	PHOTOGRAMMETRISTS	OTHER
CHEMICAL ENGINEERS	PLANNERS: URBAN/REGIONAL	
15 CIVIL ENGINEERS	SANITARY ENGINEERS	
CONSTRUCTION INSPECTORS	SOILS ENGINEERS	64 TOTAL PERSONNEL
DRAFTSMEN	SPECIFICATION WRITERS	

TOTAL NUMBER OF WV REGISTERED PROFESSIONAL ENGINEERS IN PRIMARY OFFICE: Seven (7)  
 \*RPEs other than Civil and Mining must provide supporting documentation that qualifies them to supervise and perform this type of work.

RPM Engineers offers three (3) 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 RPM 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 great state of West Virginia.

10. HAS THIS JOINT-VENTURE WORKED TOGETHER BEFORE?  YES  N/A  NO

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

NAME AND ADDRESS:	SPECIALTY:	WORKED WITH BEFORE
NGE, 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.	WORKED WITH BEFORE Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
NAME AND ADDRESS:	SPECIALTY:	WORKED WITH BEFORE Yes <input type="checkbox"/> No <input type="checkbox"/>
NAME AND ADDRESS:	SPECIALTY:	WORKED WITH BEFORE Yes <input type="checkbox"/> No <input type="checkbox"/>
NAME AND ADDRESS:	SPECIALTY:	WORKED WITH BEFORE Yes <input type="checkbox"/> No <input type="checkbox"/>
NAME AND ADDRESS:	SPECIALTY:	WORKED WITH BEFORE Yes <input type="checkbox"/> No <input type="checkbox"/>
NAME AND ADDRESS:	SPECIALTY:	WORKED WITH BEFORE Yes <input type="checkbox"/> No <input type="checkbox"/>

12. Is your firm experienced in Abandoned Mine La Remediation/Mine Reclamation Engineering?

**YES** Description and Number of Projects: RPM Engineers recently completed the design of the Stephenson (Mills) Subsidence project for the WVDEP Office Of Abandoned Mine Lands and Reclamation (AML&R). We completed this specialty project ahead of schedule and under budget. We worked directly with Mark Proctor, P.E. of the Oak Hill, WV office on this project. RPM also recently completed several Waterline Feasibility Studies for AML&R. These projects were also completed within the schedule and well under budget. We worked directly with Eric Coberly, P.E., Chief in Charleston, WV on these projects. 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 great state of West Virginia.

NO

B. Is your firm experienced in Soil Analysis?

**YES** Description and Number of Projects: We have performed soil analyses on many civil engineering projects.

NO

C. Is your firm 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 dozens of projects.

NO

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

**YES** Description and Number of Projects: RPM's survey department has developed contour mapping from topographic surveys on hundreds of projects. Our lead surveyor, William "BJ" Whitman II, P.S., is a third generation surveyor with over 15 years of survey experience and has performed surveys in every county in West Virginia. We have managed the aerial photography development on many projects by using a subcontractor to perform the flight.

NO

E. Is your firm experienced in domestic waterline design? (Include any experience your firm has in evaluation of aquifer degradation as a result of mining.)

**YES** Description and Number of Projects: RPM has completed five (5) waterline design projects for local municipalities in the past year. These waterline projects involved the preparation of construction drawings, estimates, and specifications. These projects also required Bureau for Public Health permits and some of them required USACE Nationwide Permits.

NO

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

**YES** Description and Number of Projects:

**NO** RPM Engineers does 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 EXPERIENCE YEARS OF AML RELATED DESIGN EXPERIENCE: 11	
YEARS OF AML DESIGN EXPERIENCE: 1		YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE: 3	
<p>Brief Explanation of Responsibilities  Mr. Bumgarner will be the Project Manager and will perform all Quality Control for this project. He will be the point of contact with WVDEP AML&amp;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 RPM'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.</p>			
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			
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 EXPERIENCE YEARS OF AML RELATED DESIGN EXPERIENCE: 6	
YEARS OF AML DESIGN EXPERIENCE: 1		YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE: 0	
<p>Brief Explanation of Responsibilities  Mrs. Bumgarner will be the lead Hydraulic Engineer for this project. She will perform the natural stream design, drainage control channel designs, and any culvert analyses for this project. She will use her experience as an environmental engineer for Arch Coal to offer guidance for this project.</p>			
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, 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.) Plumley, Matthew, L. Civil Engineer	YEARS OF AML DESIGN EXPERIENCE: 1	YEARS OF AML RELATED DESIGN EXPERIENCE: 6	YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE: 1
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Brief Explanation of Responsibilities

Mr. Plumley will be one of the design engineers for this project. He was recently one of the lead design engineers on the Stephenson (Mills) Subsidence project 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, right-of-way plans, erosion control, maintenance of traffic, and signing and pavement markings. 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)  
Engineer-In-Training, 2005, West Virginia  
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: 1	YEARS OF AML RELATED DESIGN EXPERIENCE: 6	YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE: 0
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Brief Explanation of Responsibilities

Mr. Boyd's civil engineering experience includes roadway design, right-of-way, geometric layouts, utility relocation design, maintenance of traffic, signing and marking, 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: 13	YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE: 0
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Brief Explanation of Responsibilities

Mr. Paxton 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: 5	YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE: 0
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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

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  
DE N 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. PRESENT ACTIVITIES ON WHICH YOU ARE DESIGNATED ENGINEER OF RECORD

NAME AND TYPE OF PROJECT	LOCATION	NAME AND ADDRESS OF OWNER	ESTIMATED CONSTRUCTION COST	PERCENT DESIGN	PLETED FIELD SUPV.
Hartland Bridge Replacement	Clay County, WV	WVDOH - Building 5, Room A-437 1900 Kanawha Blvd., East Charleston, WV 25305-0430	\$5,700,000	0%	
7 Bridges WVDOH Category 6	Districts 5 & 8, WV	WVDOH - Building 5, Room A-437 1900 Kanawha Blvd, East Charleston, WV 25305-0430	\$5,500,000	85%	
Bridge Replacements	Horry County, SC	Horry County 4401 Privettes Road Conway, SC 29528	\$20,000,000	60%	10%
Horry County, SC Dirt Road Paving Project - Design, Manage	Inspection Services				
Edwight Truss	Raleigh County, WV	WVDOH - Building 5, Room A-437 1900 Kanawha Blvd, East Charleston, WV 25305-0430	\$2,000,000	35%	
Bartley Branch	McDowell County, WV	WVDOH - Building 5, Room A-437 1900 Kanawha Blvd, East Charleston, WV 25305-0430	\$2,000,000	10%	
General Engineering Services	ODOT District 4	ODOT District 4 2088 South Arlington Road Akron, OH 44306		60%	
General Engineering Services	ODOT District 7	ODOT District 7 1001 Saint Marys Ave. Sidney, OH 45365		10%	
4 Bridge Replacement Project	Lancaster/York Counties, SC	SCDOT 955 Park Street P.O. Box 191 Columbia, SC 29202	\$15,000,000	5%	
SC-9 Bridge Replacement Proj.	Union/Chester Counties, SC	SCDOT 955 Park Street P.O. Box 191 Columbia, SC 29202	\$20,000,000	0%	
Towers on the Grove, Site/Civil Utility relocation and road widening	Myrtle Beach, SC	Towers Investments, LLC 1309 Professional Drive, Suite 100 Myrtle Beach, SC 29577	\$500,000	90%	

Total Number of Projects: 10 Total Estimated Construction Cost: \$70,700,000

16. CURRENT ACTIVITIES ON WHICH YOUR FIRM IS SERVING AS A 3-CONSULTANT TO OTHERS

PROJECT NAME, TYPE AND LOCATION	NATURE OF FIRMS RESPONSIBILITY	NAME AND ADDRESS OF OWNER	ESTIMATED COMPLETION DATE	ESTIMATED CONSTRUCTION COST	
				ENTIRE PROJECT	YOUR FIRMS RESPONSIBILITY
Carolina Bays Parkway - SC	Design of two Bridges	SCDOT, Columbia, SC	2010		608 (design fee)
Historic Bridge Study - WV	Assist with State Historic Bridge Study	WVDOH, Charleston, WV	2010	800 (design fee)	190 (design fee)
Backgate Bridge - SC, US 17 Bypass	Design one Bridge	SCDOT, Columbia, SC	2010		1089 (design fee)
Brooks Street Bridge Inspection, Charleston, WV	NBIS - Bridge Inspection	WVDOH, Charleston, WV	2010	470 (design fee)	160 (design fee)
I-470 Bridge Inspection	NBIS - Bridge Inspection	WVDOH, Charleston, WV	2012	250 (design fee)	48 (design fee)
New Martinsville Bridge Inspection	NBIS - Bridge Inspection	WVDOH, Charleston, WV	2013	88 (design fee)	17 (design fee)
Wellsburg Bridge	Bridge Design	WVDOH, Charleston, WV	2010		94 (design fee)

17. PLETED WORK WITHIN LAST 5 YEARS ON WHICH YOUR FI		VAS THE DESIGNATED ENGINEER OF RECORD		
PROJECT NAME, TYPE AND LOCATION	NAME AND ADDRESS OF OWNER	ESTIMATED CONSTRUCTION COST	YEAR	CONSTRUCTED (YES OR NO)
Water Tower Interchange, Highway Design, Myrtle Beach, SC	Parkway Group 7901-03 N. Ocean Blvd Myrtle Beach, SC 29572	\$2,500,000	2007	YES
SHE-47 Bridge Replacement in Shelby County, Ohio	ODOT District 7 1001 St. Marys Avenue Sidney, Ohio 45365-0969	\$700,000	2007	YES
ROY P. "TUT" PARSONS BRIDGE REPLACEMENT, Berkeley County, WV	WVDOH 1900 Kanawha Blvd East Charleston, WV 25305	\$996,000	2008	YES
HIGGINSVILLE BRIDGE REPLACEMENT, Hampshire County, WV	WVDOH 1900 Kanawha Blvd East Charleston, WV 25305	\$754,000	2008	YES
BUFFALO RUN BRIDGE REPLACEMENT, Pocahontas County, WV	WVDOH 1900 Kanawha Blvd East Charleston, WV 25305	\$600,000	2008	NO
ARONHALT BRIDGE REPLACEMENT, Grant County, WV	WVDOH 1900 Kanawha Blvd East Charleston, WV 25305	\$711,000	2008	NO
BEECH FORK CONCRETE BEAM Wayne County, WV	WVDOH 1900 Kanawha Blvd East Charleston, WV 25305	\$2,200,000	2010	YES
LUCILLE STAINAKER BRIDGE Gilmer County, WV	WVDOH 1900 Kanawha Blvd East Charleston, WV 25305	\$2,400,000	2010	YES


18. COMPLETED WORK WITHIN LAST 5 YEARS ON WHICH YOUR FIRM HAS BEEN A SUB-CONSULTANT TO OTHER FIRMS (INDICATE PHASE OF WORK FOR WHICH YOUR FIRM WAS RESPONSIBLE)

PROJECT NAME, TYPE AND LOCATION	NAME AND ADDRESS OF OWNER	ESTIMATED CONSTRUCTION COST OF YOUR FIRM'S PORTION	YEAR	CONSTRUCTED (YES OR NO)	FIRM ASSOCIATED WITH
I-64 Bridge over Kanawha River, South Charleston, WV	WVDOH 1900 Kanawha Blvd East Charleston, WV 25305	\$10,000,000	2006	In Progress	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.

We have put together a highly qualified staff of civil engineers, surveyors, environmentalists, geologists, and CADD technicians here in Charleston, WV that have prepared surveying, environmental documents, construction plans, construction specifications, contract documents, estimates, and performed the construction inspection of hundreds of projects across the great state of West Virginia. We have recently completed two (2) projects on schedule and under budget for AML&R.

20. The foregoing is a statement of facts.

Signature:  Title: Project Manager

Printed Name: James A. Bumgarner, Jr., P.E. Date: June 29, 2010

## 6. Attachment “C” AML and Related Project Experience Matrix



