



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

State of West Virginia  
 Centralized Expression of Interest  
 02 – Architect/Engr

Proc Folder: 468533

Doc Description: EOI - Summerlee Refuse

Proc Type: Central Purchase Order

Date Issued	Solicitation Closes	Solicitation No	Version
2018-08-16	2018-09-12 13:30:00	CEOI 0313 DEP1900000004	1

**BID RECEIVING LOCATION**

BID CLERK

DEPARTMENT OF ADMINISTRATION

PURCHASING DIVISION

2019 WASHINGTON ST E

CHARLESTON

WV 25305

US

RECEIVED  
 2018 SEP 12 AM 10:06  
 WV PURCHASING  
 DIVISION

**VENDOR**

Vendor Name, Address and Telephone Number:

Alpha Associates, Inc  
 209 Prairie Ave.  
 Morgantown, WV 26501  
 304-296-8216

**FOR INFORMATION CONTACT THE BUYER**

Brittany E Ingraham

(304) 558-2157

brittany.e.ingraham@wv.gov

Signature X

FEIN # 550516286

DATE 9/10/18

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

**DESIGNATED CONTACT:** Vendor appoints the individual identified in this Section as the Contract Administrator and the initial point of contact for matters relating to this Contract.

Richard A. Colebank, President & COO

(Name, Title)

*Richard A. Colebank*

(Printed Name and Title)

209 Prairie Ave, Morgantown, WV 26501

(Address)

304-296-8216/ 304-296-8245

(Phone Number) / (Fax Number)

rick.colebank@thinkalphafirst.com

(email address)

**CERTIFICATION AND SIGNATURE:** By signing below, or submitting documentation through wvOASIS, I certify that I have reviewed this Solicitation in its entirety; that I understand the requirements, terms and conditions, and other information contained herein; that this bid, offer or proposal constitutes an offer to the State that cannot be unilaterally withdrawn; that the product or service proposed meets the mandatory requirements contained in the Solicitation for that product or service, unless otherwise stated herein; that the Vendor accepts the terms and conditions contained in the Solicitation, unless otherwise stated herein; that I am submitting this bid, offer or proposal for review and consideration; that I am authorized by the vendor to execute and submit this bid, offer, or proposal, or any documents related thereto on vendor's behalf; that I am authorized to bind the vendor in a contractual relationship; and that to the best of my knowledge, the vendor has properly registered with any State agency that may require registration.

Alpha Associates, Inc

(Company)

*Richard A. Colebank*

(Authorized Signature) (Representative Name, Title)

*Richard A. Colebank*

(Printed Name and Title of Authorized Representative)

9/10/18

(Date)

304-296-8216/ 304-296-8245

(Phone Number) (Fax Number)

**ADDENDUM ACKNOWLEDGEMENT FORM  
SOLICITATION NO.:**

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

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

Addendum Numbers Received:

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

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

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

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

Alpha Associates, Inc

Company



Authorized Signature

9/10/18

Date

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

West Virginia Ethics Commission  
Disclosure of Interested Parties to Contracts

(Required by W. Va. Code § 6D-1-2)

Contracting Business Entity: Alpha Associates, Inc Address: 209 Prairie Ave, Morgantown, WV 26501

Authorized Agent: Richard A. Colebank Address: \_\_\_\_\_

Contract Number: CEOI 0313 DEP1900000004 Contract Description: Summerlee Refuse

Governmental agency awarding contract: West Virginia Purchasing Division

Check here if this is a Supplemental Disclosure

List the Names of Interested Parties to the contract which are known or reasonably anticipated by the contracting business entity for each category below (attach additional pages if necessary):

1. Subcontractors or other entities performing work or service under the Contract

Check here if none, otherwise list entity/individual names below.

2. Any person or entity who owns 25% or more of contracting entity (not applicable to publicly traded entities)

Check here if none, otherwise list entity/individual names below.

Richard A. Colebank  
Richard W. Klein

3. Any person or entity that facilitated, or negotiated the terms of, the applicable contract (excluding legal services related to the negotiation or drafting of the applicable contract)

Check here if none, otherwise list entity/individual names below.

Signature: [Handwritten Signature]

Date Signed: 9/10/18

Notary Verification

State of West Virginia, County of Upshur:

I, KAYLA FACEMIRE, the authorized agent of the contracting business entity listed above, being duly sworn, acknowledge that the Disclosure herein is being made under oath and under the penalty of perjury.

Taken, sworn to and subscribed before me this 10th day of September, 2018.

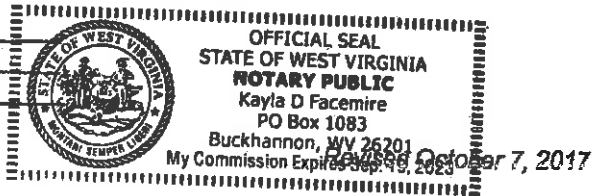
[Handwritten Signature]  
Notary Public's Signature

To be completed by State Agency:

Date Received by State Agency: \_\_\_\_\_

Date submitted to Ethics Commission: \_\_\_\_\_

Governmental agency submitting Disclosure: \_\_\_\_\_



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

**CONSTRUCTION CONTRACTS:** Under W. Va. Code § 5-22-1(i), the contracting public entity shall not award a construction contract to any bidder that is known to be in default on any monetary obligation owed to the state or a political subdivision of the state, including, but not limited to, obligations related to payroll taxes, property taxes, sales and use taxes, fire service fees, or other fines or fees.

**ALL CONTRACTS:** Under W. Va. Code §5A-3-10a, no contract or renewal of any contract may be awarded by the state or any of its political subdivisions to any vendor or prospective vendor when the vendor or prospective vendor or a related party to the vendor or prospective vendor is a debtor and: (1) the debt owed is an amount greater than one thousand dollars in the aggregate; or (2) the debtor is in employer default.

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

**DEFINITIONS:**

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

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

"Related party" means a party, whether an individual, corporation, partnership, association, limited liability company or any other form or business association or other entity whatsoever, related to any vendor by blood, marriage, ownership or contract through which the party has a relationship of ownership or other interest with the vendor so that the party will actually or by effect receive or control a portion of the benefit, profit or other consideration from performance of a vendor contract with the party receiving an amount that meets or exceeds five percent of the total contract amount.

**AFFIRMATION:** By signing this form, the vendor's authorized signer affirms and acknowledges under penalty of law for false swearing (W. Va. Code §61-5-3) that: (1) for construction contracts, the vendor is not in default on any monetary obligation owed to the state or a political subdivision of the state, and (2) for all other contracts, that neither vendor nor any related party owe a debt as defined above and that neither vendor nor any related party are in employer default as defined above, unless the debt or employer default is permitted under the exception above.

**WITNESS THE FOLLOWING SIGNATURE:**

Vendor's Name: Alpha Associates, Inc

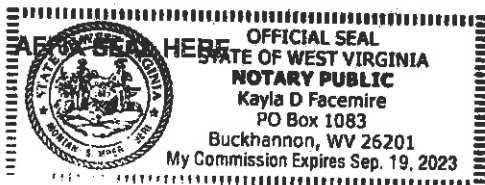
Authorized Signature:  Date: 9/10/18

State of West Virginia

County of Upshur, to-wit:

Taken, subscribed, and sworn to before me this 10 day of September, 2018.

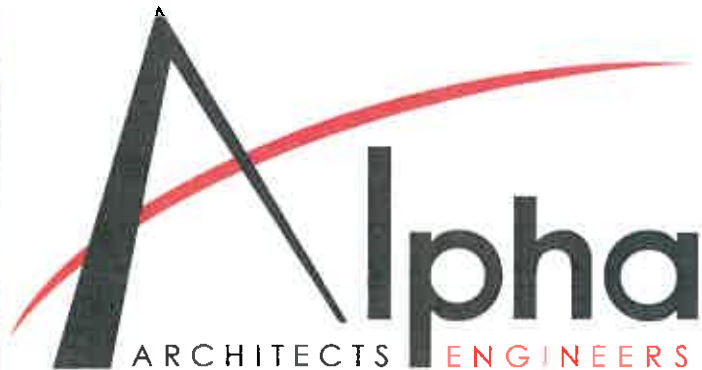
My Commission expires September 19, 2023.



NOTARY PUBLIC



*Purchasing Affidavit (Revised 01/19/2018)*



**West Virginia Purchasing  
Division**

**Summerlee Refuse  
CEOI 0313 DEP1900000004**

September 12, 2018

**EXPRESSION OF INTEREST**





September 12, 2018

Department of Administration  
Purchasing Division  
2019 Washington St. E.  
Charleston, WV 25305

Attn: Brittany E. Ingraham

**RE: CEOI 0313 DEP1900000004**  
**Summerlee Refuse**

Dear Ms. Ingraham,

Alpha Associates, Incorporated is pleased to provide this response to provide engineering services for the Summerlee Refuse located in Fayette County, West Virginia. We have established a strong team for this important project. Alpha's past experience with similar projects, along with our intimate knowledge of the area make us a perfect teaming partner for you on your completion project.

Since 1969, Alpha Associates has been providing exemplary civil engineering, design services throughout West Virginia. We have worked with local, state, and federal government entities for numerous projects of varying sizes and types including numerous projects similar in size and scope. In this proposal, you will find examples that showcase the Alpha Team's exceptional project experience including abandon mine reclamation projects and drainage projects. Throughout our history, Alpha has partnered with numerous Federal, State, and local governments to provide quality engineering services for projects around West Virginia.

### **Project Understanding**

The Purchasing Division is looking to partner with an engineering firm that can provide engineering services to provide the necessary engineering, as well as other related services to design and specify for construction as well as to provide construction administration for the Summerlee Refuse. The following design services will be included: upgrade access as required, clear and grub affected areas, regrade coal refuse, construct and install drainage control items, provide sediment control, cover all exposed refuse with soil, and condition and revegetate all disturbed areas.

### **Design Team**

Alpha is a West Virginia owned and operated architectural and engineering design firm with locations in Morgantown and Martinsburg. Your project will be managed and produced out of our Morgantown Office with support from Martinsburg personnel as necessary. Our professional staff includes qualified civil engineers, surveyors, cost estimators, field service representatives, landscape designers, and technicians

### **Summary**

Alpha Associates, Inc. is committed to providing the West Virginia Purchasing Division with a team that surpasses every expectation. We will work side by side with the Purchasing Division and the WVDEP/AML to ensure this project is completed in a timely, cost effective manner with minimal complications or interruptions. We look forward to further discussing our qualifications with you soon. If you have any questions, please contact me at (304)296-8216 ext. 102.

Sincerely,

**ALPHA ASSOCIATES, INCORPORATED**



Richard A. Colebank, PE, PS  
President & COO  
rick.colebank@thinkalphafirst.com





## FIRM PROFILE

### Firm Profile

#### FIRM NAME

Alpha Associates, Incorporated

#### OFFICE LOCATIONS

209 Prairie Avenue  
Morgantown, West Virginia 26501

535 West King Street  
Martinsburg, West Virginia 25401

#### INCORPORATED

1969; Morgantown, WV

#### FIRM PRINCIPALS

Richard A. Colebank, PE, PS; President and COO  
Richard W. Klein, PE, PS; Chairman and CEO  
Charles B. Luttrell, PE; Principal  
Charles B. Branch, PE; Principal

#### NUMBER OF EMPLOYEES

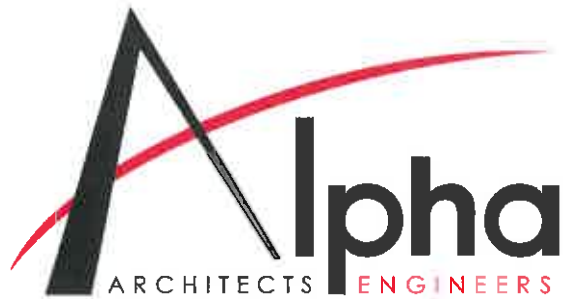
22 Employees

#### SERVICES

Architectural Design  
Civil Engineering  
Structural Engineering  
Surveying  
Interior Design  
Landscape Architecture  
Construction Administration



Alpha Associates, Incorporated was established in 1969 and since that time has completed hundreds of projects throughout Morgantown and the state of West Virginia. Alpha's Corporate Office is located in Morgantown with our Eastern Regional Office located in Martinsburg.



## ACID MINE DRAINAGE EXPERIENCE

Alpha Associates has provided design services for eight (8) passive acid mine drainage treatment systems. These have generally implemented the West Virginia Water Research Institute's conceptual analyses and included surveying, design, permitting, contract document preparation, bidding services, and limited construction administration services for the following:

- **Morgan Run** – DeAntonis Site for the Friends of the Cheat (FOC). This project has been constructed and is successfully treating AMD. The treatment system consists of a steel slag leach bed to raise the pH of fresh water, two (2) settling ponds to allow the AMD and treated fresh water to mix and settle, and open limestone channels. The construction cost for this project was approximately \$115,000.
- **Lambert Run – Site 5** – Allen Meadows Property for the Guardians of the West Fork Watershed. This project has been constructed and is successfully treating AMD. The treatment system consists of an open limestone channel with baffles designed to increase the oxygen content of the AMD, a settling pond to allow metals to drop out, and approximately 1 acre of constructed wetlands to polish the treated effluent. The construction cost for this project was approximately \$150,000.
- **Middle Fork of Greens Run** - Phase 1 for the Friends of the Cheat (FOC). This project has been constructed and treating AMD with limited success due to leakage problems at two (2) ponds that were constructed on and along an existing, previously-disturbed surface mine area. The treatment system consists of a fresh water pond to collect, store, and release fresh water at





a controlled rate, a steel slag leach bed to raise the pH of fresh water, a pond to collect, store, and release AMD at a controlled rate, and swale to mix the AMD and the fresh water from the steel slag leach bed. The construction cost for this project was approximately \$255,000.

- **Sovern Run 62 and Bishoff** – Hudson Road for the Friends of the Cheat (FOC). This project has been constructed and is successfully treating AMD. The treatment systems consist of two (2) steel slag leach beds to raise the pH of fresh water, multiple settling ponds to allow the AMD and treated fresh water to mix and settle, open limestone channels, and constructed wetlands. The construction cost for this project was approximately \$200,000.



- **Smooth Rock Lick Sites 1, 2, and 3** - for the Buckhannon River Watershed Association (BRWA). This project has been constructed and is successfully treating AMD. The treatment systems consist of limestone leach beds, a settling pond, open limestone channels, and limestone/steel slag ditch checks. The construction cost for this project was approximately \$270,000.

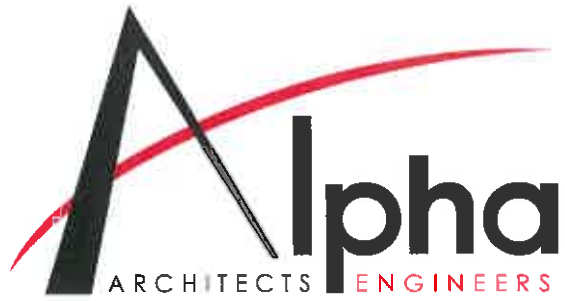


- **Allen Conner/Messenger Site on Glade Run** - for the Friends of the Cheat (FOC). This project has been constructed and is successfully treating AMD. The treatment system consists of three (3) limestone leach with automated solar-powered flushing devices and open limestone channels. The construction cost for this project approximately \$280,000.



- **North Fork of Greens Run** - Dinkenburger Road for the Friends of the Cheat (FOC). This project has been constructed and is successfully treating AMD. The treatment system consists of





one (1) limestone leach with an automated solar-powered flushing device as well as an open limestone channel with baffles to increase the oxygen content of the treated AMD and to allow the metals to drop out. The construction cost for this project approximately \$150,000.

- **Lambert Run – Site 6** – Gwinn Portals for the Guardians of the West Fork Watershed. This project has been constructed and is successfully treating AMD. The treatment system consists of a collection unit with a siphon to convey the AMD under a creek crossing at velocities that will reduce deposition of metals in the line as well as increase the oxygen content of the AMD and constructed wetlands to polish the treated effluent. The construction cost for this project was approximately \$180,000.



### ALPHA EXPERIENCE

Airport Access Road Mitigation | 2015

## Engineering Case Study

**Morgantown Municipal Airport  
Access Road Mitigation Plan  
Morgantown, WV**

In order to come into compliance with the Clean Water Act, Alpha Associates performed off-site mitigation for a natural stream restoration, as required for U.S. Army Corps of Engineers Permit 404. In addition, Alpha helped secure Permit 401 for water quality certification and mitigation associated with acid mine drainage at the project site.

### Project Contact:

**Monongalia County Development  
Authority  
955 Hartman Run Road, Suite 200  
Morgantown, WV 26505**

### At a Glance

**CLIENT:** Monongalia County  
Development Authority

**LOCATION:** Morgantown, WV

**COMPLETION DATE:** 2015

**SIZE:** 5500 LF of Roadway

**CONSTRUCTION COST:** \$4.5 Million





STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS

To all to whom these presents shall come, Greeting

Know Ye That The State Board of Registration for Professional Engineers, of the State of West Virginia, reposing special confidence in the Intelligence, Integrity and Discretion of

Charles B. Branch

DOES, IN PURSUANCE OF AUTHORITY VESTED IN IT

By law hereby certify that he, having submitted satisfactory evidence of his ability and experience, is a

REGISTERED PROFESSIONAL ENGINEER

Registration Number [Redacted]

to hold and use such title in the practice of his profession, subject to the conditions prescribed by law.



Given under the hand and the Seal of the Board at the Capitol in the City of Charleston, this 15th day of February in the year of our Lord 2002 and of the State the One Hundred Thirty-Eighth

STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS

[Signature]

By Frank H. Gaddy

[Signature]

[Signature]

[Signature]



## STATEMENT OF QUALIFICATIONS

Alpha Associates, Incorporated is a West Virginia-based architectural and engineering design firm that provides services in the areas of architectural design, interior design, construction administration, civil engineering, structural engineering, landscape design, project management, and surveying. Our clients benefit from our unique combination of extensive design and construction experience, advanced technical tools, dedicated principals and highly skilled staff members.

Alpha's philosophy has always been to provide exemplary services for fair fees. We have always believed that the best way to succeed as a business is to go above and beyond the basic requirements of our contracts and do whatever is necessary to successfully complete the given project. What is best for the client is inevitably best for us too.

Everyone at Alpha, from the president to the administrative staff, works towards the goal of completing successful projects. Our principals are involved with projects from the earliest stages right through final completion and beyond. They will provide frequent updates on the project by using effective communication tools to manage the projects and all the involved parties. Our skilled staff of 22 architects, engineers, surveyors and administrative personnel all work diligently towards producing the drawings and specifications that will deliver our clients successful projects, completed on time and within budget.

Alpha has thrived for 49 years because we are a professional organization dedicated to providing superior architectural and engineering design services to our clients. While our staff is large enough to handle any size project, we are also small enough to give each and every one of our projects the individual attention to detail that will make them successful projects for our clients.



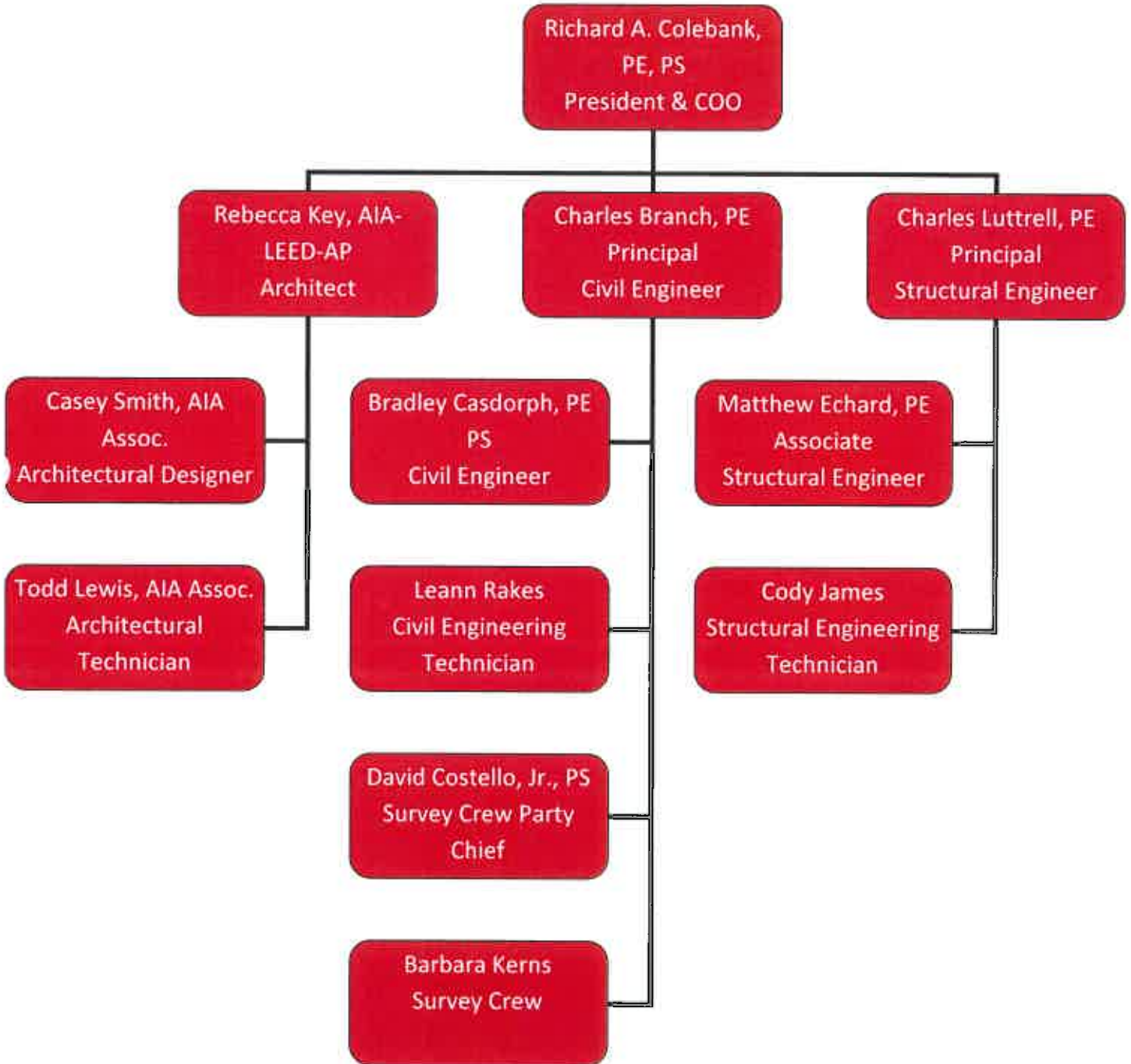
## STAFFING PLAN

All work to be performed for the West Virginia General Services Division will be managed out of Alpha's Morgantown office. In addition to your dedicated Project Team, Alpha's staff of 22 includes engineers, architects, architectural designers, interior designers, landscape designers, technicians, and support staff that are available to assist with any potential project need.





TEAM ORGANIZATION





## SCHEDULE CONTROL

Alpha Associates, Incorporated has an excellent track record of producing projects on time and within the Owner's budget. Many A/E firms can claim the same successes, but the determining factor is the tools the firms utilize to achieve the budgets, both in regard to funds and time. Alpha utilizes a number of tools, both traditional and modern to exceed our clients' expectations.

A project schedule is a dynamic, ever changing entity. Your project schedule depends on many factors including:

- Preferred construction method
- Changes to project scope
- Unique construction elements

The Alpha Team has an excellent track record of meeting project design deadlines. Most recently, Alpha completed construction on a project in Morgantown that went from design to completion in just over 12 months. This project was completed for a private developer and had a construction cost in excess of \$20 million.

Successful project management depends upon consensus regarding work efforts, milestones and goals. The team has found that the development of detailed work plans, which delineate tasks and deliverables for each project phase, in concert with the client and full project team, is the most effective means of establishing expectations about efforts required by the respective disciplines. In addition to guiding the efforts of the design team, the work plan sets forth specific time frames and decision points for Owner and user reviews, comments and approvals.

Developing an overall project schedule is a critical task that must take into account many factors: building type, owner's desire for occupancy, scope of work and level of documentation, whether contract(s) is bid or negotiated, available fee, and prior experiences on similar projects. Characteristic of the client, its organization, or the involvement of a construction manager and his responsibility for document review must also be considered.

This starts with a kick-off meeting which establishes ground rules, responsibilities,



and line of communication. We have found that a team visioning session is a great way to get everyone started off on the right track.

Determining a project schedule is a task that must be done with all parties involved in the process. Once the design process begins, a very detailed, realistic project schedule can be developed and communicated to all involved.



## CAPACITY AND SOFTWARE

### Capacity

Alpha Associates, Incorporated is prepared to commit staff resources to the Summerlee Refuse project. Alpha has the qualified and experienced personnel, administrative support, along with the production equipment and resources to ensure the successful completion of this project. We are confident in our ability to provide the West Virginia Army National Guard with a committed and dependable design team. Our multidisciplinary design team is prepared to meet and exceed the expectations of the State by committing any resources necessary to meet the project schedule.

### Software

The project team incorporates the latest computer and software capabilities required to complete the working drawings and specifications for this project. Our cost accounting system is top-of-the-line and we have the ability to differentiate fees according to task. We have secure e-mail and internet capability to allow efficient transfer of information between Alpha and the client. We currently have the latest editions of the following software:

- AutoCAD 18
- REVIT (Editions up to 2018)
- Civil 3D
- RISA 3D
- RISA Floor
- RISA Foundation
- MathCAD
- Autodesk Suite
- Enercalc
- AutoTURN
- TopCon GR5 GPS System
- TopCon Total Station with Reflectorless Capabilities
- Carlson Surveyor & Data Collector



## ALPHA RESUMES

**Richard A. Colebank, PE, PS** | President and COO

### SUMMARY

Mr. Colebank is President and Chief Operating Officer of Alpha. He has been with Alpha Associates, Incorporated since 1985. He began his career with Alpha as a staff engineer and progressed through the ranks from Project Manager to his current position. Mr. Colebank has worked with diverse clients such as WVU, City of Morgantown, WVDOH, WVU Foundation, and the Morgantown Municipal Airport, as well as numerous other public and private clients. Since 1988, Mr. Colebank has been the Principal-In-Charge of the Civil Engineering projects developed at Alpha. In his current capacity, Mr. Colebank provides financial and administrative guidance for the day to day operations of the company while continuing to manage projects.



### PROFILE

Broad-based responsibilities in the following areas:

- Project Management
- Business Operations and Financial Management
- Quality Assurance/Quality Control
- Civil Engineering Project Management and Design
- New Business Development
- Expert Testimony and Investigation

### PROFESSIONAL HIGHLIGHTS

#### Project Manager:

- WVU Research Park; Morgantown, WV
- Federal Bureau of Prisons Hazelton Medium Security Prison
- WV Medal of Honor Recipients Plaza; Hazelton, WV
- North Fork Hughes River Recreation Facilities; Ritchie County, WV
- WVDOH I-77 Welcome Center; Williamstown, WV
- Ices Ferry Bridge; Morgantown, WV
- Monongalia General Hospital Expansion; Morgantown, WV
- Monongalia General Hospital Access Road; Morgantown, WV
- Morgantown Municipal Airport Access Road; Morgantown, WV
- West Virginia State Office Building; Clarksburg, WV
- WVU College of Physical Education and Sports Science/Student Health Center; Morgantown, WV

#### Indefinite Delivery/Indefinite Quantity Contracts:

- Morgantown Municipal Airport Open End Contract
- West Virginia Division of Highways Open End Contract
- National Energy Technology Laboratories Open End Contract
- West Virginia University Open End Contract
- United States Postal Service Open End Contract



## ALPHA RESUMES

**Richard A. Colebank, PE, PS** | President and COO

### EMPLOYMENT HISTORY

1985 – Current	Alpha Associates, Incorporated
1983-1985	Charles Townes and Associates, P.C.
1983	US Army Corps of Engineers

### EDUCATION

West Virginia University  
 Masters of Business Administration; 1999  
 Bachelor - Civil Engineering; 1982

### QUALIFICATIONS

- **License:** Professional Engineer: West Virginia, Maryland, Pennsylvania, Virginia
- Professional Surveyor: West Virginia
- Certified Private Pilot

### AFFILIATIONS

- Former NSPE/PEPP Governor of WV
- American Red Cross - Regional Chairman
- University High School Foundation; Charter Member; President
- Morgantown Area Chamber of Commerce; Past Chairman
- WVU College of Civil and Environmental Engineering Visiting Committee
- WVU College of Business and Economics MBA Advisory Committee

think  first.com

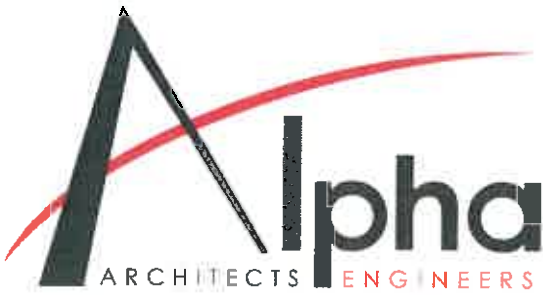
Contact

**Richard A. Colebank**

**304.296.8216**

**800.640.8216**

**rck.colebank@thinkalphafirst.com**



## ALPHA RESUMES

**Charles Branch, PE** | Principal, Civil Engineer

### SUMMARY

As Chief Engineer for site development and planning projects, Mr. Branch is a vital part of the design process at Alpha. His involvement spans from strictly civil engineering projects, to the design of large scale educational projects and medical facilities. Mr. Branch acts as peer review for young engineers in the firm on issues ranging from storm water management to site design. Mr. Branch is also involved in commercial and residential development design, roadway and bridge design and utilities layout.



### PROFILE

Broad-based responsibilities in the following areas:

- Highway Design
- Municipal Engineering
- Wastewater Collection
- Storm Sewer System Design
- Storm Water Management
- Site Engineering
- Project Management

### PROFESSIONAL HIGHLIGHTS

#### Civil Engineer/Project Manager:

- Jane Lew Truck Stop; Jane Lew, WV
- Clarksburg State Office Building; Clarksburg, WV
- WVU Reedsville Farm Redevelopment; Morgantown, WV
- Freedom Automotive Group Dealerships; Morgantown, WV
- Freedom Kia; Clarksburg, WV
- WVU Parking Lot 81 Renovations; Morgantown, WV
- WVU Doll's Run Burn Room; Morgantown, WV
- WVU Alumni Center Parking Lot; Morgantown, WV
- WVU Alumni Center Storm Water Management; Morgantown, WV
- WVU Evansdale Redevelopment; Morgantown, WV
- WVU Health Sciences Center Eastern Division; Martinsburg, WV
- Blackshere Bridge; Mannington, WV
- WVDOH I-77 Welcome Center; Williamstown, WV
- WV Medal of Honor Recipients Plaza; Hazelton, WV
- Lewis County High School Bridge; Weston, WV
- Wyoming County Route 10 Relocation; Wyoming County, WV
- Fairmont Federal Credit Union; Bridgeport, WV



## ALPHA RESUMES

**Charles Branch, PE** | Principal, Civil Engineer

### EMPLOYMENT HISTORY

1992 – Current    Alpha Associates, Incorporated  
1988-1992        Reimer, Muegge, & Associates, Inc.

### EDUCATION

West Virginia University  
Bachelor - Civil Engineering; 2000  
Fairmont State College  
Bachelor Architectural Engineering Technology; 1988

### QUALIFICATIONS

- **License:** Professional Engineer: West Virginia

### AFFILIATIONS

- WV Society of Professional Engineers
- National Society of Professional Engineers

think  first.com

Contact

Charles B. Branch

304.296.8216

800.640.8216

[chuck.branch@thinkalphafirst.com](mailto:chuck.branch@thinkalphafirst.com)





## ALPHA RESUMES

### SUMMARY

Mr. Luttrell has worked with Alpha Associates, Inc. since 1996. He is the chief structural engineer on all projects at Alpha. Before coming to Alpha, Mr. Luttrell's graduate work resulted in several contributions to the cold-formed steel deck industry. His new method of analysis for non-uniform loads on composite concrete and cold formed steel decks has been made a permanent part of the Steel Deck Institute's design manual. Mr. Luttrell also worked on projects that involved pre-stressed timber bridge research with the WVU Constructed Facilities Center. Since coming to Alpha, Mr. Luttrell has had significant involvement in the effort to begin utilizing modern composite materials in practical bridge applications.

**Charles B. Luttrell, PE** | Principal, Structural Engineer

### PROFILE

Broad-based responsibilities in the following areas:

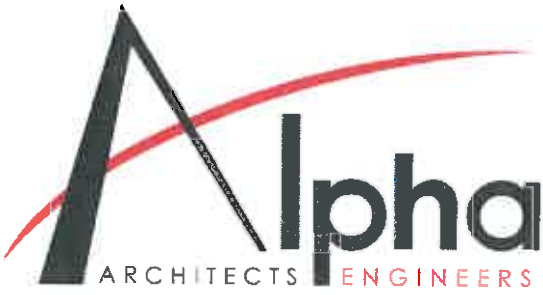
- Bridge Structural Design and Analysis
- Innovative Bridge Materials Applications
- Building Structural Design and Analysis
- Historical Restoration and Evaluations

### PROFESSIONAL HIGHLIGHTS

#### Structural Engineer:

- Freedom Automotive Group 3 Dealerships; Morgantown, WV
- Hazel Ruby McQuain Equine Education & Resource Center; WVU
- WVDOH Arnettsville Replacement Bridge; Morgantown, WV
- Clarksburg State Office Building; Morgantown, WV
- Grant County Bank Addition & Renovation; Petersburg, WV
- South Berkeley Fire Station; Inwood, WV
- Alumni Center Structural Framing and Foundation; WVU
- Engineering Science Building, East Wing Addition, WVU
- Hazel Ruby McQuain Amphitheater Roof; Morgantown, WV
- West Buckeye Bridge; Core, WV
- Washington High School; Charles Town, WV
- WVU Coliseum Structural Inspection; Morgantown, WV
- WVU Coliseum Scoreboard Hoist Project; Morgantown, WV
- Alderson Broaddus College, Rex Pyles Arena Deck; Philippi, WV
- Mountaineer Middle School Renovation; Morgantown, WV
- Salem International Building Inspections; Salem, WV
- Monongalia County Sheriff's Building; Morgantown, WV
- South High Street Bridge, Morgantown, WV
- Ices Ferry Bridge, Morgantown, WV





## ALPHA RESUMES

**Charles B. Luttrell, PE** | Principal, Structural Engineer

### EMPLOYMENT HISTORY

1996 – Current    Alpha Associates, Incorporated  
1995-1996        Larry D. Luttrell, PE, Ph D  
1991-1994        West Virginia University  
1990-1991        WVU Constructed Facilities Center

### EDUCATION

West Virginia University  
Masters - Structural Engineering; 1995  
Bachelor - Civil Engineering; 1993

### QUALIFICATIONS

• **License:** Professional Engineer: West Virginia, Pennsylvania

### AFFILIATIONS

- WV Society of Professional Engineers
- National Society of Professional Engineers
- Chi Epsilon; Member
- American Concrete Institute; Member

### Research Experience

- Cold Formed Steel Deck Research
  - ✓ Fastener Failures
  - ✓ Edge conditions/failures
  - ✓ Buttoned overlap shear failures
- Composite Cold Formed Steel and Concrete Deck Research
  - ✓ Line load behavior/failures
  - ✓ Concentrated load behavior/failures
  - ✓ Web crippling
  - ✓ Punch failures

think  first.com

Contact

Charles B. Luttrell

304.296.8216

800.640.8216

charlie.luttrell@thinkalphafirst.com



## ALPHA RESUMES

### SUMMARY

Ms. Key has worked in the architectural field for over 35 years. She serves as Project Architect/Project Manager for numerous architectural designs at Alpha Associates, Incorporated. Ms. Key is involved from the programmatic stages and schematic designs all the way through construction documents to construction administration. Having been with Alpha since 2000, Ms. Key has provided design services on numerous projects that have contributed to the ever-growing skyline of Morgantown, Charleston, Bridgeport, and other areas around the state.



**Rebecca Key, AIA, LEED-AP** | Architect, Associate

### PROFILE

#### Broad-based responsibilities in the following areas:

- Architectural Design
- Interior Design and Space Planning
- Feasibility Studies
- Water Infiltration Analysis
- Interior Space Planning
- Historic Renovation
- Project Management

### PROFESSIONAL HIGHLIGHTS

#### Education

- Ridgedale Elementary; Morgantown, WV
- Mountaineer Middle School; Morgantown, WV
- Pineville Elementary; Pineville, WV
- Huff Consolidated School; Hanover, WV

#### Historic Renovations

- Cass Scenic Railroad - Clubhouse Renovation; Cass, WV
- Berkeley Springs Bathhouse; Berkeley Springs, WV
- Hawks Nest State Park Picnic Pavilion; Anstead, WV
- Hawks Nest State Park CCC Museum; Anstead, WV

#### Recreation

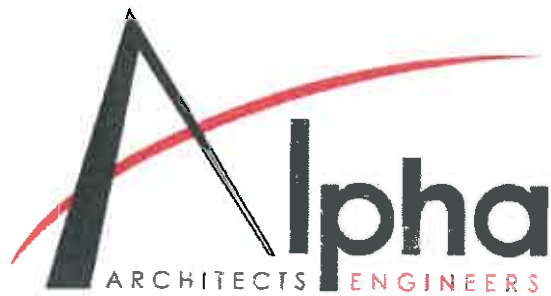
- Ruby McQuain Amphitheater; Morgantown, WV
- North Fork Hughes River State Park; Ritchie County, WV

#### Dormitory and Multi-Family

- Fairmont State University Prichard Hall Renovation; Fairmont, WV
- WVU Boreman Hall; Morgantown, WV
- Augusta Apartment Building; Morgantown, WV
- Grand Central Apartment

#### Municipal & State Government

- WV State Office Building; Clarksburg, WV
- Mon County Family Court Renovation; Morgantown, WV
- Mon County Sheriff's Department; Morgantown, WV
- White Hall Municipal Building; White Hall, WV
- WV State Office Building; Parkersburg, WV



## ALPHA RESUMES

**Rebecca Key, AIA, LEED-AP** | Architect, Associate



### EMPLOYMENT HISTORY

2000 – Current	Alpha Associates, Incorporated
1983-1999	Alexander Key and Associates
1978-1983	Webster Clothes; Director of Store Planning

### EDUCATION

University of Maryland  
 Bachelor of Architecture; 1977  
 Maryland Institute College of Art  
 Coursework in Furniture Design; 1986-1987

### QUALIFICATIONS

- **License:** Registered Architect: West Virginia, Maryland, Washington DC, New York, Virginia, Pennsylvania
- NCIDQ Certified (Interior Design)
- Leadership In Energy and Environmental Design Accredited Professional
- Meet Standards of Secretary of the Interior for historic architecture

### AFFILIATIONS

- American Institute of Architects
- West Virginia Society of Architects
- Fairmont, WV ICC Board of Appeal; Board Member
- U.S. Green Building Council
- AIA Liveable Communities
- Marion County Chamber of Commerce
- Leadership Kanawha Valley Class of 2014



think  **Alpha** first.com

### Contact

**Rebecca Key**  
 304.296.8216  
 800.640.8216

[rebecca.key@thinkalphafirst.com](mailto:rebecca.key@thinkalphafirst.com)



## ALPHA RESUMES

**Bradley Casdorff, PE, PS** | Civil Engineer

### SUMMARY

Mr. Casdorff joined the Alpha Associates, Incorporated team in 2004 and currently works as a project engineer in the Morgantown office. He has 36 years of professional experience with roadway design, storm sewer design, airport airside renovation and design, storm water management including conveyance and detention, environmental permitting, project administration supervision and inspection, as well as boundary and construction surveying.



### PROFILE

Broad-based responsibilities in the following areas:

- Airport Planning and Design
- Highway Design
- Hydraulic and Hydrology Studies
- Site Plan Development
- Land Surveying

### PROFESSIONAL HIGHLIGHTS

#### Civil Engineering:

- Platinum Properties - Waterfront Conference Center; Morgantown, WV
- Hart Field - Runway Safety Area; Morgantown, WV
- Hart Field - Ramp Renovation and Deicing Facility; Morgantown, WV
- Hart Field - Signage and Lighting; Morgantown, WV
- Hart Field - Airport Certification Manual; Morgantown, WV
- Hart Field - Air Rescue and Fire Fighting Vehicle Procurement, WV
- WVU - Lot 81 Parking Area Improvements; Morgantown, WV
- WVU Animal Facilities Annex, Engineering Retrofit; Morgantown, WV
- McKee Crossing - 120 Acre Subdivision; Martinsburg, WV
- Morgantown Municipal Airport Access Road; Morgantown, WV
- Davisson Estates - 60 Acre Subdivision; Morgantown, WV
- Mon General Hospital - East Parking Area; Morgantown, WV
- Applebee's Restaurant, Site Plan; Morgantown, WV
- WVU CPASS/Student Health; Morgantown, WV
- WVU Research Park- 100 Acre ALTA/ACSM Survey; Morgantown, WV
- WVU Museum; Morgantown, WV



## ALPHA RESUMES

**Bradley Casdorph, PE, PS** | Civil Engineer

### EMPLOYMENT HISTORY

2004 – Current    Alpha Associates, Incorporated  
1979-2004        Triad Engineering, Incorporated

### EDUCATION

West Virginia University  
Masters - Soil Conditions and Foundation Design; 1982  
Bachelor - Civil Engineering; 1979

### QUALIFICATIONS

- **License:** Professional Engineer: West Virginia  
Professional Surveyor: West Virginia  
Certified Private Pilot

### AFFILIATIONS

- WV Society of Professional Engineers
- National Society of Professional Engineers
- WVSPS - Mountain Regional Chapter; President
- Aircraft Owners and Pilots Association; Member

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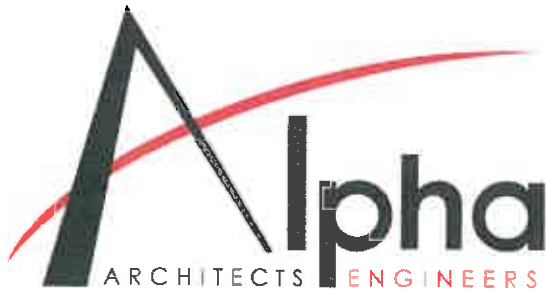
Contact

**Bradley Casdorph**

**304.296.8216**

**800.640.8216**

**brad.casdorph@thinkalphafirst.com**



## ALPHA RESUMES

**Matthew T. Echard, PE** | Structural Engineer, Associate

### SUMMARY

Mr. Echard joined Alpha Associates, Inc. in early 2016 with a strong belief that his clients deserve intelligent, performance-based and value-oriented solutions. Drawing on experience working across the United States, Europe, and the Middle East, Mr. Echard returned to West Virginia to provide world-class service in a historically underserved region while making positive contributions to the future growth of his home state. Mr. Echard places a large value on the collaborative work process, believing that a building's form and function are derived from many contexts. Mr. Echard's office is located in the corporate office in Morgantown, WV.

### EMPLOYMENT HISTORY

2016-Current	Alpha Associates, Incorporated
2010-2015	Echard ingenieurBüro
2006-2009	Buro Happold Consulting Engineers
2003-2006	RISA Technologies, Inc.
2000-2003	Zaldastani Associates, Inc.

### EDUCATION

Massachusetts Institute of Technology  
Masters - Engineering & Environmental Mechanics 2002

West Virginia University  
Bachelors of Science - Civil Engineering 2000

### QUALIFICATIONS

- **License:** Professional Engineer: West Virginia, California
- California OES SAP Evaluator

### AFFILIATIONS

American Concrete Institute (ACI)  
American Institute of Steel Construction (AISC)  
American Society of Civil Engineers (ASCE)  
American Wood Council (AWC)

### PROFILE

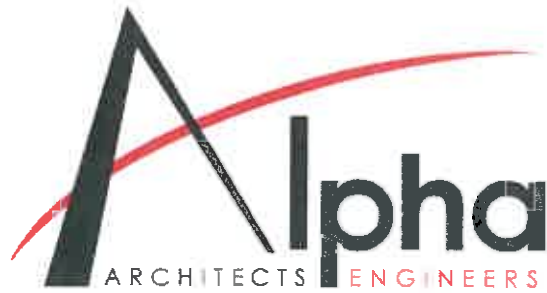
Broad-based responsibilities in the following areas:

- Structural Engineering
- Structural Forensics
- Project Management

### PROFESSIONAL HIGHLIGHTS

#### Structural Engineering:

- Grant County Bank; Petersburg, WV
- WVDOH Arnettsville Bridge Replacement; Monongalia County, WV
- WVDOH Deckers Creek Pedestrian Bridge; Morgantown, WV
- Jane Lew Truck Stop; Jane Lew, WV
- Queen Street Underpass; Martinsburg, WV
- Westover Goodwill Structural Design; Morgantown, WV
- Weyerhaeuser Roof Evaluation; Heaters, WV
- Weyerhaeuser OSB Facilities Alterations; Heaters, WV
- Weyerhaeuser Hazardous Material Transfer Encloser; Heaters, WV
- Mapletown High School Elevator; Mapletown, PA
- Knauf Insulation Melter Line Structural Supports ; Inwood, WV
- Knauf Insulation Cooling Tower & Heat Exchanger Structure & Foundations; Inwood, WV
- 57 Middleway Pike Commercial Building; Inwood, WV
- GraffTech Furnace Structural Assessment; Grafton, WV
- FedEx Distribution Facility Structural Damage Assessment; Morgantown, WV
- Los Mariachis UTC; Morgantown, WV



## ALPHA RESUMES

**Matthew T. Echard, PE** | Structural Engineer

### EMPLOYMENT HISTORY

2016-Current	Alpha Associates, Incorporated
2010-2015	Echard ingenieurBüro
2006-2009	Buro Happold Consulting Engineers
2003-2006	RISA Technologies, Inc.
2000-2003	Zaldastani Associates, Inc.

### EDUCATION

Massachusetts Institute of Technology  
Masters - Engineering & Environmental Mechanics 2002  
West Virginia University  
Bachelors of Science - Civil Engineering 2000

### QUALIFICATIONS

- **License:** Professional Engineer: West Virginia, California
- California OES SAP Evaluator

### AFFILIATIONS

American Concrete Institute (ACI)  
American Institute of Steel Construction (AISC)  
American Society of Civil Engineers (ASCE)  
American Wood Council (AWC)

### Publications

- Echard, M. and Tonis, D. Convergent Design Methodology for Bio-Science Labs: Architectonic and Performative Structural Considerations Using the Geilinger Composite Column Solution. Proceedings of ICSEA2010 - First International Conference on Structures and Architecture Guimarães, Portugal, July 2010, Taylor & Francis.
- Echard, M. Structural Analysis and Design Within a BIM Framework. EASEC 10 - East Asia Structural Conference, Bangkok, Thailand, August 2006.

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Contact

**Matthew T. Echard**

304.296.8216

800.640.8216

matthew.echard@thinkalphafirst.com





STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS

To all to whom these presents shall come Greeting  
Know Ye That The State Board of Registration for Professional Engineers  
of the State of West Virginia, reposing special confidence in  
the Intelligence, Integrity and Discretion of

**Bradley H. Casdorff**

DOES IN PURSUANCE OF AUTHORITY VESTED IN IT  
by law hereby certify that he having submitted  
satisfactory evidence of his ability and experience is a

**REGISTERED PROFESSIONAL ENGINEER**

Registration Number [REDACTED]

To Hold and use such title in the practice of his profession,  
subject to the conditions prescribed by law.



Given under the hand of the  
Seal of the Board at the Capital in the  
City of Charleston,  
This 28th day of December  
in the year of our Lord 2005  
and of the State  
the One Thousand Forty Second

Members of the Board

*Samuel D. Thomas, Jr.* *Richard E. Dignall*  
*Blayne S. Schuff* *William E. Pison*



STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS

To all to whom these presents shall come, Greeting.

Know Ye That The State Board of Registration for Professional Engineers of the State of West Virginia, reposing special confidence in the Intelligence, Integrity and Discretion of

Richard A. Colebank

Does, IN PURSUANCE OF AUTHORITY VESTED IN IT

by law, hereby certify that he, having submitted satisfactory evidence of his ability and experience, is a

REGISTERED PROFESSIONAL ENGINEER

Registration Number [REDACTED]

To Hold and use such title in the practice of his profession, subject to the conditions prescribed by law.



Given under the hand and the Seal of the Board, at the Capitol in the City of Charleston this 23rd day of Feb. in the year of our Lord One Thousand Nine Hundred and Eighty-Eight and of the State the One Hundred Twenty-Fourth.

STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS

Secretary  
Frank Waddy

By  
Kenneth H. Means  
President  
Richard A. Colebank



STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS

To all to whom these presents shall come Greeting  
"Know Ye" That The State Board of Registration for Professional Engineers  
of the State of West Virginia, reposing special confidence in  
the Intelligence, Integrity and Discretion of

Matthieu T. Richard

DOES IN PURSUANCE OF AUTHORITY VESTED IN IT

by law hereby certify that he having submitted  
satisfactory evidence of his ability and experience is a

REGISTERED PROFESSIONAL ENGINEER

Registration Number [REDACTED]

(To Hold) and use such title in the practice of his profession,  
subject to the conditions prescribed by law.



Given under the hand of the  
Seal of the Board at the Capitol in the  
City of Charleston,  
This 17th day of August  
in the year of our Lord 2012  
and of the State  
the One Hundred Forty-Ninth

Members of the Board

James D. Timmons, Jr. Richard E. Dlynal  
Bhajan S. Saha William E. Niessen

# The Board of Architects



## of West Virginia

No. [REDACTED]

This Certifies that Rebecca Jean Key of Baltimore  
in the State of Maryland having successfully passed an examination  
before the Board of Architects of the State of West Virginia, and being  
otherwise qualified, is hereby authorized to practice Architecture in all its  
branches in the State of West Virginia.



Witness the signatures of the President and Secretary of the Board of  
Architects of West Virginia and the seal of said Board, this 26th  
day of September 1994

[Signature] President.  
[Signature] Secretary.



STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS

To all to whom these presents shall come, Greeting

Know Ye That The State Board of Registration for Professional Engineers, of the State of West Virginia, reposing special confidence in the Intelligence, Integrity and Discretion of

Charles B. Luttrell

DOES, IN PURSUANCE OF AUTHORITY VESTED IN IT

by law, hereby certify that he, having submitted satisfactory evidence of his ability and experience, is a

REGISTERED PROFESSIONAL ENGINEER

Registration Number [redacted]

and use such title in the practice of his profession, subject to the conditions prescribed by law.



Given under the hand and the Seal of the Board at the Capitol in the City of Charleston this 23th day of July in the year of our Lord One Thousand Nine Hundred and Ninety-nine and of the State the One Hundred Thirty-sixth.

STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS

Handwritten signatures: Ed. [unclear], Frank Nobby, [unclear], [unclear]

# CERTIFICATE OF *Authorization*

STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS

*The West Virginia State Board of Registration for Professional Engineers  
having verified the person in responsible charge is registered in  
West Virginia as a professional engineer for the noted firm, hereby certifies*

**ALPHA ASSOCIATES, INC.**  
**C00012-00**

**Engineer in Responsible Charge: RICHARD A COLEBANK - WV PE 010346**  
*has complied with section §30-13-17 of the West Virginia Code governing  
the issuance of a Certificate of Authorization. The Board hereby notifies you of its  
certification with issuance of this Certification of Authorization for the period of:*

**January 1, 2018 - December 31, 2019**

*providing for the practice of engineering services in the State of West Virginia.*



IF YOU ARE REQUIRED TO REGISTER WITH THE SECRETARY OF STATE'S OFFICE  
PLEASE SUBMIT THIS CERTIFICATE WITH YOUR APPLICATION

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

BOARD PRESIDENT



## REFERENCES

### **Jim King**

#### **WV Higher Education Policy Council**

1018 Kanawha Boulevard, East, Suite 700  
Charleston, WV 25301-2800  
304-558-0281 ext. 206

### **Bill Clark, Executive Director**

#### **Region 9 Planning and Development Council**

400 West Stephen Street Suite 301  
Martinsburg, West Virginia 25401  
304-263-1743

### **David Hildreth**

#### **State of West Virginia**

1409 Greenbrier Street  
Charleston, WV 25305  
304-558-0510

### **Former Mayor Jesse Corley**

#### **Town of White Hall**

2119 Fairmont Avenue  
White Hall, WV 26554  
304-367-1687

### **Terry Hough, City Engineer**

#### **City of Morgantown**

389 Spruce Street  
Morgantown, WV 26505  
304-284-7412

"Alpha Associates have a proven record of customer satisfaction and successful client delivery with our organization. We would be confident in our recommendation in support of Alpha."

**J. Paul Walden**  
**West Virginia University**

Every aspect and detail of your planning, coordination, and completed projects have been exceptional and outstanding in every regard.

**Robert Hammel, Former Director**  
**Morgantown Municipal Airport**

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

Attachment "B"

PROJECT NAME		DATE (DAY, MONTH, YEAR)		FEIN	
1. FIRM NAME Alpha Associates, Incorporated		2. HOME OFFICE BUSINESS ADDRESS 209 Prairie Avenue Morgantown, WV 26501		3. FORMER FIRM NAME	
4. HOME OFFICE TELEPHONE 304-296-8216	5. ESTABLISHED (YEAR) 1969	6. TYPE OWNERSHIP Individual <input checked="" type="checkbox"/> Corporation Partnership <input type="checkbox"/> Joint-Venture		6a. WV REGISTERED DBE (Disadvantaged Business Enterprise) YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
7. PRIMARY AML DESIGN OFFICE: ADDRESS/ TELEPHONE/ PERSON IN CHARGE/ NO. AML DESIGN PERSONNEL EACH OFFICE 209 Prairie Avenue, Morgantown, WV 26501 / 304-296-8216 / Richard A. Colebank / 17 535 West King Street, Martinsburg, WV 25401 / 304-264-0051 / Richard W. Klein / 6					
8. NAMES OF PRINCIPAL OFFICERS OR MEMBERS OF FIRM Richard A. Colebank, PE,PS, President and COO Richard W. Klein, PE, Chairman and CEO			8a. NAME, TITLE, & TELEPHONE NUMBER - OTHER PRINCIPALS Charles Luttrell, PE, Principal 304-296-8216 Charles Branch, PE, Principal 304-296-8216		
9. PERSONNEL BY DISCIPLINE					
<u>3</u> ADMINISTRATIVE	<input type="checkbox"/> ECOLOGISTS	<u>1</u> LANDSCAPE ARCHITECTS	<u>2</u> STRUCTURAL ENGINEERS		
<u>3</u> ARCHITECTS	<input type="checkbox"/> ECONOMISTS	<input type="checkbox"/> MECHANICAL ENGINEERS	<u>2</u> SURVEYORS		
<input type="checkbox"/> BIOLOGIST	<input type="checkbox"/> ELECTRICAL ENGINEERS	<input type="checkbox"/> MINING ENGINEERS	<input type="checkbox"/> TRAFFIC ENGINEERS		
<u>3</u> CADD OPERATORS	<input type="checkbox"/> ENVIRONMENTALISTS	<input type="checkbox"/> PHOTOGRAMMETRISTS	<u>3</u> OTHER		
<input type="checkbox"/> CHEMICAL ENGINEERS	<input type="checkbox"/> ESTIMATORS	<input type="checkbox"/> PLANNERS: URBAN/REGIONAL			
<u>5</u> CIVIL ENGINEERS	<input type="checkbox"/> GEOLOGISTS	<u>1</u> SANITARY ENGINEERS			
<u>2</u> CONSTRUCTION INSPECTORS	<input type="checkbox"/> HISTORIANS	<input type="checkbox"/> SOILS ENGINEERS			
<input type="checkbox"/> DESIGNERS	<input type="checkbox"/> HYDROLOGISTS	<input type="checkbox"/> SPECIFICATION WRITERS	<u>25</u> TOTAL PERSONNEL		
<input type="checkbox"/> DRAFTSMEN					
TOTAL NUMBER OF WV REGISTERED PROFESSIONAL ENGINEERS IN PRIMARY OFFICE: <u>5</u>					
*RPEs other than Civil and Mining must provide supporting documentation that qualifies them to supervise and perform this type of work.					
10. HAS THIS JOINT-VENTURE WORKED TOGETHER BEFORE? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO					



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

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

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

YES Description and Number of Projects: 9-Morgan Run AMD, Lambert Run Site 5, Middle Fork of Greens Run, Sovern Run 62 and Bishoff, Smooth Rock Lick Sites 1,2 and 3 , Allen Conner/Messenger Site of Glade Run, North Fork of Greens Run, Lambert Run Site 6, Morgantown Municipal Airport Access Road Mitigation Plan

NO

B. Is your firm experienced in Soil Analysis?

YES Description and Number of Projects: \_\_\_\_\_

NO

C. Is your firm experienced in hydrology and hydraulics?

YES Description and Number of Projects: Various FEMA Bridge Studies, Department of Highways Bridge Hydro and hydraulics studies

NO

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

YES Description and Number of Projects: Various Projects using Drone Aerial Photography and Contour Mapping

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: Numerous waterline design, but not directly related to aquifer degradation

NO

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

YES Description and Number of Projects: 9-Morgan Run AMD, Lambert Run Site 5, Middle Fork of Greens Run, Sovern Run 62 and Bishoff, Smooth Rock Lick Sites 1,2 and 3 , Allen Conner/Messenger Site of Glade Run, North Fork of Greens Run, Lambert Run Site 6, Morgantown Municipal Airport Access Road Mitigation Plan

NO

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

NAME & TITLE (Last, First, Middle Int.)	YEARS OF EXPERIENCE		
	<b>Colebank, Richard A.</b>	YEARS OF AML DESIGN EXPERIENCE: 27	YEARS OF AML RELATED DESIGN EXPERIENCE: 27

Brief Explanation of Responsibilities

Project Principal- Responsible for overall management of the project.

EDUCATION (Degree, Year, Specialization)

**MS/99/Business Administration**  
**BS/82/Civil Engineering**

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS

**American Council of Engineering Companies - WV**

REGISTRATION (Type, Year, State)

**PE: 1988-WV, 1998-PA, 1998-VA, 2002-MD**  
**PS: 1995-WV**

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

NAME & TITLE (Last, First, Middle Int.)	YEARS OF EXPERIENCE		
	<b>Klein, Richard W.</b>	YEARS OF AML DESIGN EXPERIENCE: 21	YEARS OF AML RELATED DESIGN EXPERIENCE: 21

Brief Explanation of Responsibilities

Consultation- Project Review and QA/QC.

EDUCATION (Degree, Year, Specialization)

**MS/1987/Business Administration**  
**BS/1973/Civil Engineering**

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS West Virginia Society of Professional Engineers American Society of Civil Engineers National Society of Professional Engineers	REGISTRATION (Type, Year, State) PE: 1978-WV, 1978-MD PS: 1995-WV
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13. PERSONAL HISTORY STATEMENT OF PRINCIPALS AND ASSOCIATES RESPONSIBLE FOR AML PROJECT DESIGN (Furnish complete data but keep to essentials)

NAME & TITLE (Last, First, Middle Int.) Branch, Charles	YEARS OF EXPERIENCE		
	YEARS OF AML DESIGN EXPERIENCE: 18	YEARS OF AML RELATED DESIGN EXPERIENCE: 18	YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE: 18

Brief Explanation of Responsibilities  
  
Project Manager/Design Engineer- Produce Civil Engineering Design and Production for the project.

EDUCATION (Degree, Year, Specialization)  
BS/1988/Architectural Engineering Technology  
BS/2000/Civil Engineering

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS	REGISTRATION (Type, Year, State) PE: 2001-WV
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13. PERSONAL HISTORY STATEMENT OF PRINCIPALS AND ASSOCIATES RESPONSIBLE FOR AML PROJECT DESIGN (Furnish complete data but keep to essentials)

NAME & TITLE (Last, First, Middle Int.) Luttrell, Charles B.	YEARS OF EXPERIENCE		
	YEARS OF AML DESIGN EXPERIENCE: 16	YEARS OF AML RELATED DESIGN EXPERIENCE: 16	YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE: 16

Brief Explanation of Responsibilities  
  
Structural Engineer- Provide design for any required structural elements in the project.

EDUCATION (Degree, Year, Specialization)  
MS/1995/Structural Engineering  
BS/1993/Civil Engineering

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS West Virginia Society of Professional Engineers National Society of Professional Engineers Chi Epsilon American Concrete Institute	REGISTRATION (Type, Year, State) PE: 1999-WV
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14. PROVIDE A LIST OF SOFTWARE AND EQUIPMENT AVAILABLE IN THE PRIMARY OFFICE WHICH WILL BE USED TO COMPLETE ALL DESIGN SERVICES

Survey GPS

Total Station

Auto Cad Civil 3D

Pix4D Mapper

Geohecrecres

Mapping Drone

15. CURRENT ACTIVITIES ON WHICH YOUR FIRM IS THE DESIGNATED ENGINEER OF RECORD

PROJECT NAME, TYPE AND LOCATION	NAME AND ADDRESS OF OWNER	NATURE OF YOUR FIRM'S RESPONSIBILITY	ESTIMATED CONSTRUCTION COST	PERCENT COMPLETE

TOTAL NUMBER OF PROJECTS:

TOTAL ESTIMATED CONSTRUCTION COSTS: \$



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

PROJECT NAME, TYPE AND LOCATION	NAME AND ADDRESS OF OWNER	ESTIMATED CONSTRUCTION COST	YEAR	CONSTRUCTED (YES OR NO)
Morgan Run AMD	Friends of the Cheat	\$115,000.00	2006	Yes
Lambert Run Site 5	Guardians of the West Fork Watershed	\$150,000.00	2007	Yes
Middle Fork of Greens Run	Friends of the Cheat	\$255,000.00	2008	Yes
Sovern Run 62 and Bishoff	Friends of the Cheat	\$200,000.00	2009	Yes
Smooth Rock Lick Sites 1,2 and 3	Buckhannon River Watershed Association	\$270,000.00	2009	Yes
, Allen Conner/Messenger Site of Glade Run	Friends of the Cheat	\$280,000.00	2008	Yes
North Fork of Greens Run	Friends of the Cheat	\$150,000.00	2010	Yes
Lambert Run Site 6	Guardians of the West Fork Watershed	\$180,000.00	2007	Yes
Morgantown Municipal Airport Access Road Mitigation Plan	City of Morgantown	\$750,000.00	2013	Yes

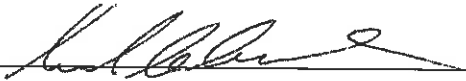


18. COMPLETED WORK WITHIN LAST 5 YEARS ON WHICH YOUR FIRM HAS BEEN A SUB-CONSULTANT TO OTHER FIRMS (INDICATE PHASE OF WORK FOR WHICH YOUR FIRM WAS RESPONSIBLE)

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

19. Use this space to provide any additional information or description of resources supporting your firm's qualifications to perform work for the West Virginia Abandoned Mine Lands Program.

20. The foregoing is a statement of facts.

Signature:  Title: President & COO  
 Printed Name: Richard A. Colebank

Date: September 10, 2018

**AML and RELATED PROJECT EXPERIENCE MATRIX**

PROJECT	Exp. Basis C=Corp. P=Personnel	Additional Info Provided in Section (s) **	PROJECT EXPERIENCE REQUIREMENTS														PRIMARY STAFF PARTICIPATION/CAPACITY *** M=Management P=Professional						
			Abandoned Surface Mine Reclamation	Abandoned Deep Mine Reclamation	Portal/Shaft Closure	Hydrologic/Hydraulic Design/Eval.	Remining Evaluation	Mine/Reuse Fire Abatement	Subsidence Investigation Mitigation	Hazardous Waste Disposal	Project Specifications	Water Quality Evaluation/Mitigation/Re placement	Construction Inspection/Management	Water Treatment	Equipment/Structure Removal	Stream Restoration	Geotechnical/Stability	Richard Colebank	Chuck Branch		Brod Casdorff		
			Morgan Run AMD	C		x			x					x	x	x	x		x		M		
Lambert Run Site 5	C		x			x					x	x	x				M						
Middle Fork of Greens Run	C		x			x					x	x	x				M						
Sovern Run 62 and Blshoff	C		x			x					x	x	x				M						
Smooth Rock Lick Sites 1,2 and 3	C		x			x					x	x	x			x	M						
Allen Conner/Messenger Site of Glade Run	C		x			x					x	x	x			x	M						
North Fork of Greens Run	C		x			x					x	x	x			x	M						
Lambert Run Site 6	C		x			x					x	x	x			x	M						
Morgantown Municipal Airport Access Road Mitigation Plan	C		x	x		x					x	x	x			x	M/P						

\* List whether project experience is corporate or personnel based or both.  
 \*\* Use this area to provide specific sections or pages if needed for reference.  
 \*\*\* List Primary Design personnel and their functional capacity for the projects listed.