



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: 485901

Doc Description: EOJ - Richard Mine Drainage Access

Proc Type: Central Purchase Order

Date issued	Solicitation Closes	Solicitation No	Version
2018-09-07	2018-10-09 13:30:00	CEOJ 0313 DEP1900000005	1

BID RECEIVING LOCATION

BID CLERK

DEPARTMENT OF ADMINISTRATION

PURCHASING DIVISION

2019 WASHINGTON ST E

CHARLESTON

WV 25305

US

VENDOR

Vendor Name, Address and Telephone Number:

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

RECEIVED

2018 OCT -9 AM 11:44

WV PURCHASING
DIVISION

Richard A. Colebank, PE, PS
President and COO
rick.colebank@thinkAlphafirst.com



209 Prairie Avenue / Morgantown, WV 26501
304.296.8216 ext. 102 / 304.216.8324 mobile / 304.296.8216 fax

FOR INFORMATION CONTACT THE BUYER

Jessica S Chambers
(304) 558-0248
jessica.s.chambers@wv.gov

Signature X

FEIN # 550516286

DATE 10/4/18

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

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: [Signature] Date: 10/4/18

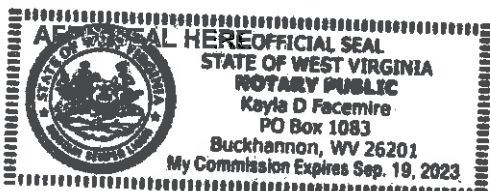
State of West Virginia

County of Upshur, to-wit:

Taken, subscribed, and sworn to before me this 4 day of October, 2018.

My Commission expires September 19, 2023.

NOTARY PUBLIC [Signature]
Purchasing Affidavit (Revised 01/19/2018)



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 DEP1900000005 Contract Description: Richard Mine Drainage Access

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: 10/4/18

Notary Verification

State of West Virginia, County of Upshur

I, MAYLA 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 4th day of October, 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: _____



**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

10/4/18
Date

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

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)



(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)



(Authorized Signature) (Representative Name, Title)

Richard A. Colebank, President & COO

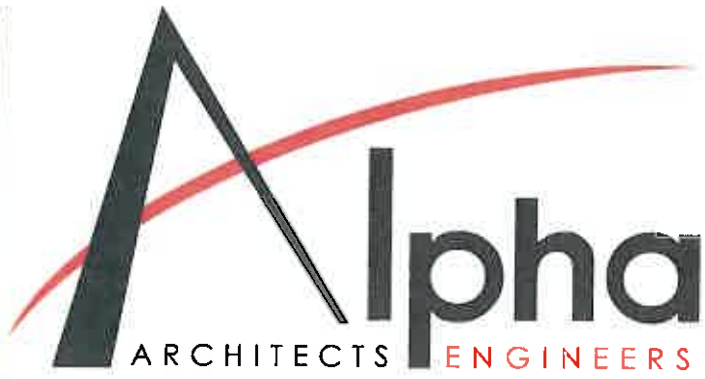
(Printed Name and Title of Authorized Representative)

10/4/18

(Date)

304-296-8216/ 304-296-8245

(Phone Number) (Fax Number)



West Virginia

Purchasing Division

Richard Mine Drainage Access

A/E Design Services

CEOI 0313 DEP1900000005

October 9, 2018

EXPRESSION OF INTEREST





October 9, 2018

West Virginia Purchasing Division
2019 Kanawha Blvd., East
Charleston, WV 25305

Attn: Jessica Chambers

Re: CEO1 0313 DEP1900000005
Richard Mine Drainage Access

Dear Ms. Chambers,

Alpha Associates, Incorporated is pleased to submit our qualifications to provide architectural and engineering services for the West Virginia Department of Environmental Protection Office of Abandoned Mine Lands and Reclamation (WVDEP/AML). Alpha's past experience with similar projects, and our experience with the State of West Virginia combined with our convenient location within 8 miles of the project site make us a perfect teaming partner for you on your completion project.

Since 1969, Alpha Associates has been providing exemplary civil engineering, structural engineering design services throughout West Virginia. We have worked with local, state, and federal government entities for numerous projects of varying sizes and types. In this proposal, you will find examples that showcase the Alpha Team's exceptional project experience including structural design surveying, utility relocation coordination, and storm water management abandon mine reclamation and erosion/sediment control.

Project Understanding

The WVDEP/AML is looking to partner with an engineering firm that can provide engineering services for the design of a permanent access from WV Rt. 7 across Deckers Creek to the site of the Richard Mine Drainage Treatment System. The WVDEP/AML is also looking for a firm to develop construction plans and technical specifications to access the abandoned mine land project area, design plans and develop specifications for site access. The design and specification for a bridge crossing over Deckers Creek will have a span of 100' with a clear roadway width of 16'. This bridge must be capable of carrying all legal highway loads. Design plans and

specifications for limits of disturbance, storm water control, erosion and sediment prevention as well as all other conditions encountered on the site will also be included.

Design Team

Alpha is a West Virginia owned and operated 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 civil and structural engineers, architects, surveyors, cost estimators, field service representatives, landscape designers, interior designers, and technicians.

Summary

Alpha Associates, Inc. is committed to providing the WVDEP/AML with a team that surpasses every expectation. We will work closely with the State to meet the needs of the project and the community for decades to come. We will work side by side with the WVDEP/AML to ensure all projects are 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.

- **Lamberi 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.

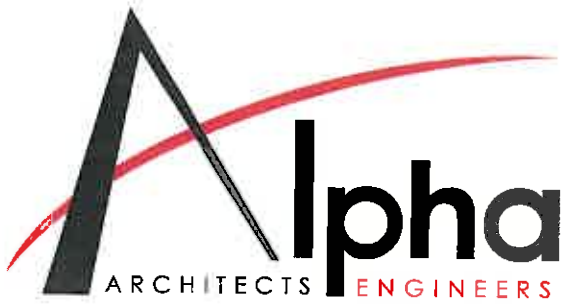
Project Contact:

**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





BRIDGE EXPERIENCE

Ices Ferry Bridge Morgantown, WV

Alpha provided structural engineering design services for this 960' four span bridge that crosses Cheat Lake in Morgantown, WV. The bridge is 37'-6" wide and includes 5'-0" sidewalk and two 12'-0" wide lanes with 3'-0" shoulders. The design incorporates four continuous steel plate girders and three socketed shaft hammer head piers. The existing structure was severely deteriorated and required replacement. The new bridge provides increased load capacity greatly increases boat clearance. Alpha performed an initial hydrologic and hydraulic study of Cheat Lake to determine the best design possible for the bridge within the restrictions of the water levels of the lake.



Blackshere Bridge Mannington, WV

Alpha provided design and construction documents for this 3-span, 100-meter bridge across Buffalo Creek and the CSX Railroad near Mannington, West Virginia. The bridge is on a new alignment because the existing bridge was needed for a detour. The project included the tie-in of three side roads and the incorporation of a revised business entrance for a car dealership. Complete right of way plans were prepared for this project. Work for this bridge was completed for the West Virginia Division of Highways. This project also received the Silver Merit in the Structural Systems Category from the WVACE, 2001 West Virginia Engineering Excellence Awards.

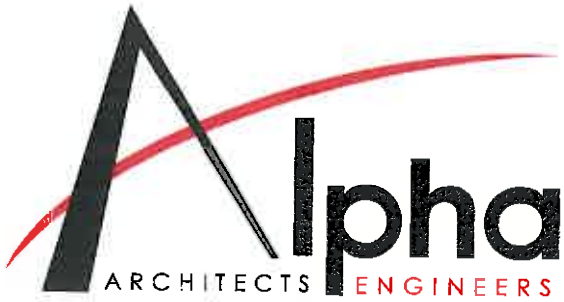


Market Street Bridge Wheeling, WV

The Market Street Bridge in Wheeling, WV, is an example of the challenges that can be met and overcome by the design teams at Alpha Associates, Incorporated. This project involved coordinating the efforts of the research community, the private sector and a public client. Unique details had to be developed and implemented. The concerns of the residents of a historic district also had to be addressed. All of these obstacles were met and overcome. The result is a highly innovative bridge that will serve the State of West Virginia and the people of Wheeling for many decades to come.



This innovative structure utilized a semi-integral Fiber Reinforced Polymer deck combined with a conventional steel structure. The design of this project was completed in a 60-day time frame in order to maintain the federal funding for the project. Alpha worked in cooperation with West Virginia University in completing this project. This bridge design required right of way plans, cost estimation, drafting and detailing plans for the West Virginia Division of Highways.



South High Street Bridge Morgantown, WV

Alpha Associates, Incorporated completed this replacement bridge design for the South High Street Bridge in Morgantown. The design was completed for the West Virginia Division of Highways. The original bridge, constructed in 1926, was severely deteriorated and in need of replacement. Prior to the design, Alpha's engineers performed initial hydrologic and hydraulic assessments to determine the amount of flow and elevation of flow of Decker's Creek in order to create the best design possible. Alpha Associates, Incorporated was chosen to design a new structure combining the best of available new technology with a historical feel suited to the existing neighborhood. The technological result is a new 540-foot long jointless bridge constructed of weathering steel girders with a composite concrete deck. In order to satisfy the historical requirements, a custom ornamental steel handrail was combined with antique reproduction streetlamps.



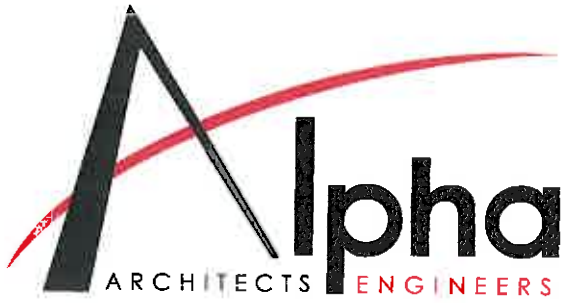
Camp Muffly Bridge Replacement Morgantown, WV

Alpha completed a replacement bridge design for the Camp Muffly 4-H Camp near Morgantown, WV. The design was completed for the Camp Muffly Operating Board. The original bridge at the site was severely deteriorated and in need of replacement. Alpha Associates, Incorporated, designed the new bridge to be cost effective, easy to construct and require low maintenance. The new bridge is 41'-4" long and 14'-0" wide. The superstructure of the replacement bridge consists of epoxy coated steel beams with custom designed precast panels and cast in place parapets. The abutments of the bridge are semi-integral abutments constructed of cast-in-place concrete. The bridge provides safe, high capacity access to a portion of the camp that would otherwise be isolated on the other side of the stream.



Bird Mine Bridge Johnston, PA

After assessing the existing Bird Mine Bridge it was determined that the bridge was in need of emergency replacement. Alpha provided civil and structural engineering design, as well as surveying services in order to replace the existing bridge with a new structure. The bridge superstructure is a Conspan pre-cast structure with an open span of 36 feet and a traveled width of 16 feet parapet to parapet. This was a Design-Build project. Alpha teamed with Construction Company, Laurita, Inc. of Morgantown and Tetra Tech, Inc. of Pennsylvania to complete the project.



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.

The Alpha team has the knowledge and understanding in design and construction to complete this project seamlessly from the initial project inspections to the development of plans. The Alpha team will be your expert for this project.

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.

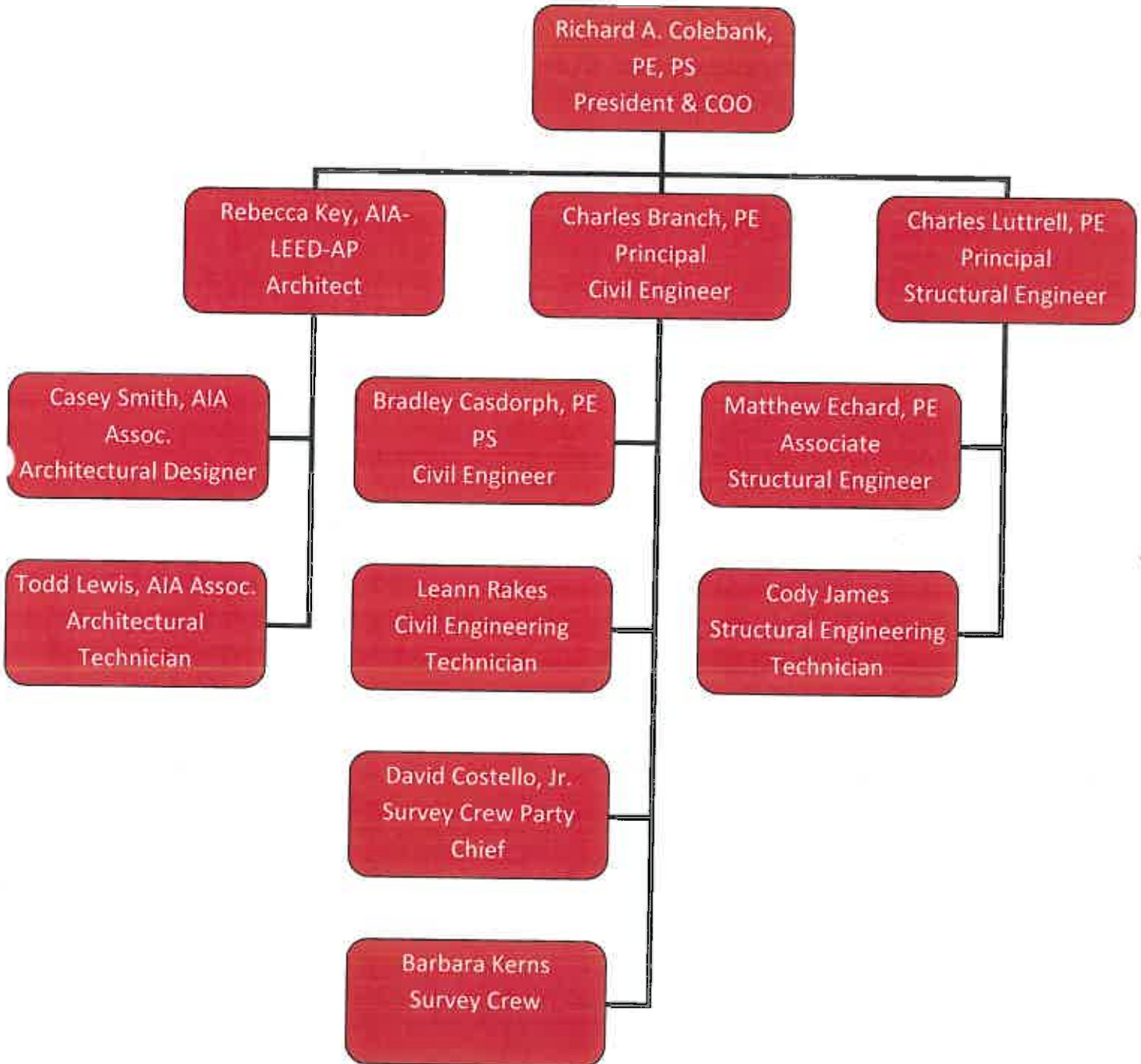


STAFFING PLAN

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





COST AND 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 few actually achieve the results Alpha has over the years. - One of the determining factor is the tools the firms utilize to produce the budgets. 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:

- Personnel assigned to the project
- Chosen method of construction
- Changes to project scope
- Unique construction elements for each project

Successful project management depends upon consensus regarding work efforts, milestones and goals. The Alpha 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 regarding the 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. Adherence to the schedule is the responsibility of the Project Manager. The Project Manager must insure the team members, including the owner have bought into the schedule and are maintaining their respective duties.

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



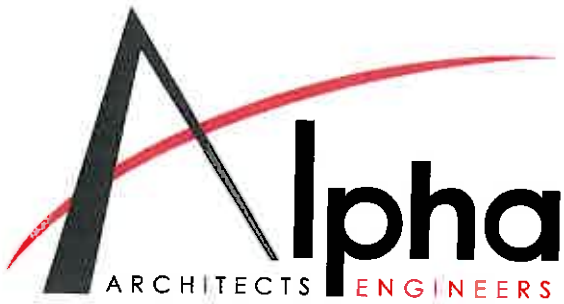
great way to get everyone started off on the right track.

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.

In a world where "time is money", the schedule of a project is almost as important as controlling the cost. Alpha also works diligently to control the budget of a project. The best way to control the cost of a project is to avoid the "scope creep" that can occur

Alpha also has an excellent record of budget control. Alpha's in house cost estimators, combined with an excellent relationship with contractors throughout the area enable us to develop accurate estimates early in the design process. The Alpha estimators begin at the schematic design phase of the project and develop a line item estimate of probable construction costs that can be carried through each of the project phases. At each phase the project estimate is updated to include a more detailed estimate in order that the accuracy can be enhanced. During these updated estimates, specific increases or decreasing can be identified allowing the owner to make informed decisions moving forward on the important budget issues for the project.

Many projects employ the use of alternatives' to control the budget through obtaining actual contractor pricing during the bid process. This allows flexibility for the owner in determining the costs of portions of the project that may be optional and critical for budget control.



CAPACITY AND SOFTWARE



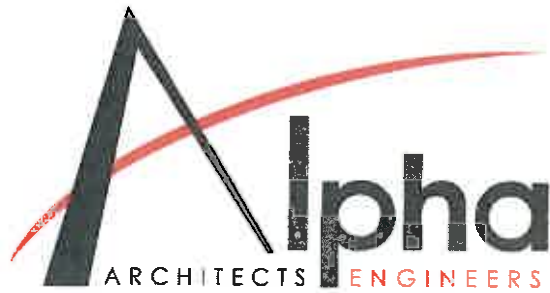
Capacity

Alpha Associates, Incorporated is prepared to commit staff resources to the Richard Mine Drainage Access 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 Department of Environmental Protection 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

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



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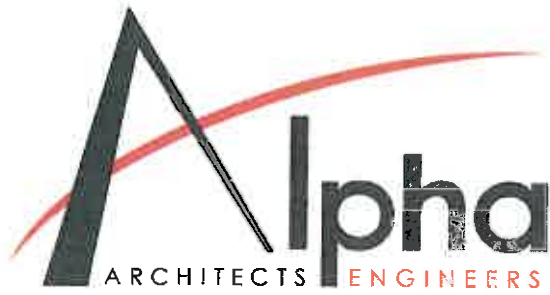
Contact

Richard A. Colebank

304.296.8216

800.640.8216

rick.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



Contact

Charles B. Branch

304.296.8216

800.640.8216

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

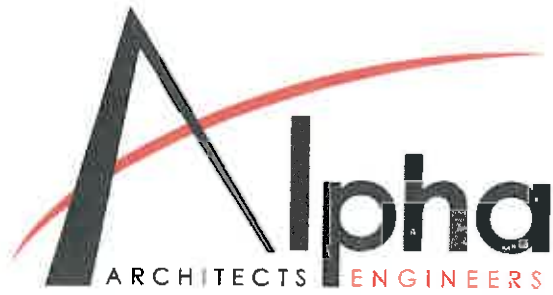
Broad-based responsibilities in the following areas:

- 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 Broadadus 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



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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

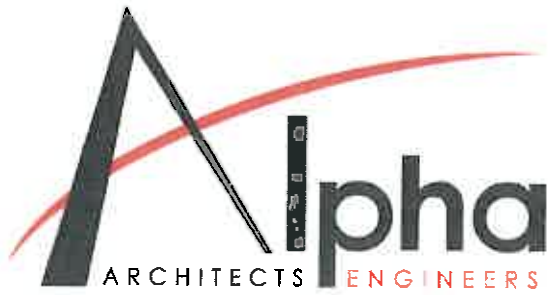
- American Institute of Architects
- West Virginia Society of Architects
- Fairmont, WV ICC Board of Appeal; Board Member
- U.S. Green Building Council
- AIA Liveable Communities
- Marion County Chamber of Commerce
- Leadership Kanawha Valley Class of 2014



Contact

Rebecca Key
 304.296.8216
 800.640.8216

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
- Davison 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 Casdorff, 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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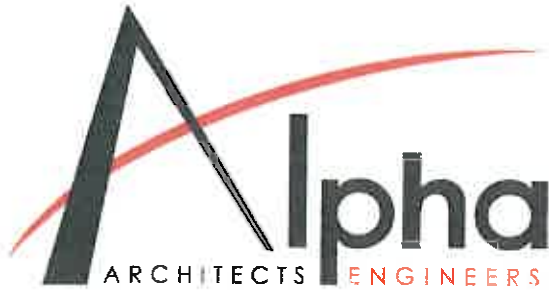
Contact

Bradley Casdorff

304.296.8216

800.640.8216

brad.casdorff@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
- GrafTech 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 Geillinger 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.

think  first.com

Contact

Matthew T. Echard

304.296.8216

800.640.8216

matthew.echard@thinkalphafirst.com



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

Brad Leslie

WV Parks and Recreation

Division of Natural Resources

324 4th Avenue
South Charleston, WV 25303
304-558-2764

Damien Davis, 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



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, proposing 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]

Who shall, 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 10th 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

Handwritten signatures of board members, including one that appears to be 'L. Puckler' and another 'F. ...'.



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. Casdorph

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 19th day of December
in the year of our Lord 2015
and of the State
the Two Thousand Forty-Second

Members of the Board

James D. Thomas Jr. *Richter*
Blair S. Stiles *William E. Pierson*



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 T. Raddy

By
Kenneth H. Moore
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

Matthew 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. Turner, Jr. Richard Edligna
Bhajan S. Saha William E. Pison

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]

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 28th 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: [Signature 1], [Signature 2], [Signature 3]

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 CON
UNDER ITS SEAL AND SIGNED BY THE PRESIDENT OF SAID BOARD

BOARD PRESIDENT

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

NAME AND ADDRESS:	SPECIALTY:	WORKED WITH BEFORE ____ Yes ____ No
NAME AND ADDRESS:	SPECIALTY:	WORKED WITH BEFORE ____ Yes ____ No
NAME AND ADDRESS:	SPECIALTY:	WORKED WITH BEFORE ____ Yes ____ No
NAME AND ADDRESS:	SPECIALTY:	WORKED WITH BEFORE ____ Yes ____ No
NAME AND ADDRESS:	SPECIALTY:	WORKED WITH BEFORE ____ Yes ____ No
NAME AND ADDRESS:	SPECIALTY:	WORKED WITH BEFORE ____ Yes ____ No
NAME AND ADDRESS:	SPECIALTY:	WORKED WITH BEFORE ____ Yes ____ No
NAME AND ADDRESS:	SPECIALTY:	WORKED WITH BEFORE ____ Yes ____ No
NAME AND ADDRESS:	SPECIALTY:	WORKED WITH BEFORE ____ Yes ____ 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		
	YEARS OF AML DESIGN EXPERIENCE:	YEARS OF AML RELATED DESIGN EXPERIENCE:	YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE:
Colebank, Richard A.	27	27	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		
	YEARS OF AML DESIGN EXPERIENCE:	YEARS OF AML RELATED DESIGN EXPERIENCE:	YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE:
Klein, Richard W.	21	21	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
--	---

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
--	---

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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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

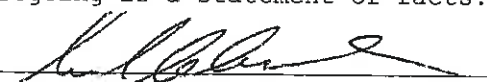
PROJECT NAME, TYPE AND LOCATION	NAME AND ADDRESS OF OWNER	ESTIMATED CONSTRUCTION COST	YEAR	CONSTRUCTED (YES OR NO)
Morgan Run AMD	Friends of the Cheat	\$115,000.00	2006	Yes
Lambert Run Site 5	Guardians of the West Fork Watershed	\$150,000.00	2007	Yes
Middle Fork of Greens Run	Friends of the Cheat	\$255,000.00	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/Hydrologic Design/Eval.	Remining Evaluation	Mine/Refuse Fire Abatement	Subsidence Investigation/Eligitation	Hazardous Waste Disposal	Project Specifications	Water Quality Evaluation/Navigation/Re placement	Construction Inspection/Management	Water Treatment	Equipment/Structure Removal	Stream Restoration	Geotechnical/Stability	Richard Colebank	Chuck Branch	Brad Casdorff			
			Morgan Run AMD	C		x							x	x	x	x		x		M			
Lambert Run Site 5	C		x							x	x	x	x		x		M						
Middle Fork of Greens Run	C		x							x	x	x	x		x		M						
Sovern Run 62 and Bischoff	C		x							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.