



# West Virginia Purchasing Division

2019 Washington Street, East  
Charleston, WV 25305  
Telephone: 304-558-2306  
General Fax: 304-558-6026  
Bid Fax: 304-558-3970

The following documentation is an electronically-submitted vendor response to an advertised solicitation from the *West Virginia Purchasing Bulletin* within the Vendor Self-Service portal at [wvOASIS.gov](http://wvOASIS.gov). As part of the State of West Virginia's procurement process, and to maintain the transparency of the bid-opening process, this documentation submitted online is publicly posted by the West Virginia Purchasing Division at [WVPurchasing.gov](http://WVPurchasing.gov) with any other vendor responses to this solicitation submitted to the Purchasing Division in hard copy format.

Header 1

List View

General Information | Contact | Default Values | Discount | Document Information | Clarification Request

Procurement Folder: 918462

Procurement Type: Central Contract - Fixed Amt

Vendor ID: 000000201753

Legal Name: ALPHA ASSOCIATES INC

Alias/DBA:

Total Bid: \$0.00

Response Date: 09/21/2021

Response Time: 16:11

Responded By User ID: JStemple

First Name: Joanna

Last Name: Stemple

Email: joanna.stemple@thinkal

Phone: 3042968216

SO Doc Code: CEOI

SO Dept: 0310

SO Doc ID: DNR220000002

Published Date: 8/24/21

Close Date: 9/22/21

Close Time: 13:30

Status: Closed

Solicitation Description: A/E Services-Hawks Nest & Pipestem New Tramways

Total of Header Attachments: 1

Total of All Attachments: 1



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

**State of West Virginia  
 Solicitation Response**

**Proc Folder:** 918462  
**Solicitation Description:** A/E Services-Hawks Nest & Pipestem New Tramways  
**Proc Type:** Central Contract - Fixed Amt

Solicitation Closes	Solicitation Response	Version
2021-09-22 13:30	SR 0310 ESR09212100000002012	1

**VENDOR**  
 000000201753  
 ALPHA ASSOCIATES INC

**Solicitation Number:** CEOI 0310 DNR2200000002  
**Total Bid:** 0  
**Response Date:** 2021-09-21  
**Response Time:** 16:11:12  
**Comments:**

**FOR INFORMATION CONTACT THE BUYER**

Joseph E Hager III  
 (304) 558-2306  
 joseph.e.hageriii@wv.gov

**Vendor Signature X** **FEIN#** **DATE**

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

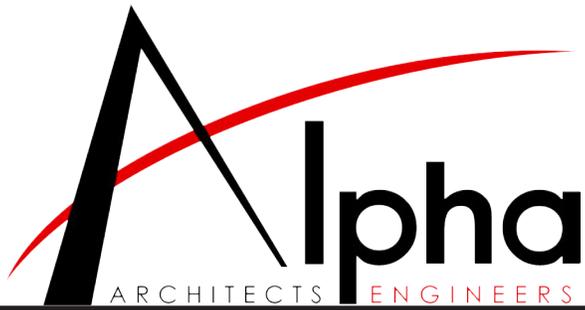
Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
1	Civil engineering				0.00

Comm Code	Manufacturer	Specification	Model #
81101500			

**Commodity Line Comments:**

**Extended Description:**

Architectural/engineering services and contract administration for new tramways at Hawks Nest and Pipestem State Parks.



*EXPRESSION OF INTEREST*

**ARCHITECTURAL/ENGINEERING SERVICES  
HAWKS NEST & PIPESTEM  
NEW TRAMWAYS  
CEIO 0310 DNR2200000002**

Public Notice Date: August 24, 2021  
Submission Date: September 22, 2021



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CONTACT

Address

Richard Colebank, President & COO  
Alpha Associates, Incorporated  
209 Prairie Ave.  
Morgantown, WV 26501

Phone & Fax

Phone: 304-296-8216  
Fax: 304-296-8216

Online

Email: [rick.colebank@thinkALPHAfirst.com](mailto:rick.colebank@thinkALPHAfirst.com)

Website: [www.thinkALPHAfirst.com](http://www.thinkALPHAfirst.com)

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

State of West Virginia  
 Centralized Expression of Interest  
 Architect/Engr

<b>Proc Folder:</b> 918462	<b>Reason for Modification:</b>
<b>Doc Description:</b> A/E Services-Hawks Nest & Pipestem New Tramways	
<b>Proc Type:</b> Central Contract - Fixed Amt	

Date Issued	Solicitation Closes	Solicitation No	Version
2021-08-24	2021-09-22 13:30	CEOI 0310 DNR2200000002	1

**BID RECEIVING LOCATION**

BID CLERK  
 DEPARTMENT OF ADMINISTRATION  
 PURCHASING DIVISION  
 2019 WASHINGTON ST E  
 CHARLESTON WV 25305  
 US

**VENDOR**

**Vendor Customer Code:**

**Vendor Name :** Alpha Associates, Inc.

**Address :** 209 Prairie Avenue

**Street :**

**City :** Morgantown

**State :** West Virginia      **Country :** USA      **Zip :** 26501

**Principal Contact :** Richard A. Colebank

**Vendor Contact Phone:** 304-296-8216      **Extension:** 102

**FOR INFORMATION CONTACT THE BUYER**  
 Joseph E Hager III  
 (304) 558-2306  
 joseph.e.hageriii@wv.gov

**Vendor Signature X**  **FEIN#** 550516286      **DATE** 9/21/21

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)



(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.

By signing below, I further certify that I understand this Contract is subject to the provisions of West Virginia Code § 5A-3-62, which automatically voids certain contract clauses that violate State law.

Alpha Associates, Incorporated

(Company)



(Authorized Signature) (Representative Name, Title)

Richard A. Colebank, President & COO

(Printed Name and Title of Authorized Representative)

9/21/21

(Date)

304-296-8216/304-296-8245

(Phone Number) (Fax Number)

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: *Paul C. [Signature]* Date: 9/21/21

State of West Virginia

County of Monongalia, to-wit:

Taken, subscribed, and sworn to before me this 21 day of September, 2021.

My Commission expires September 25, 2025.

**AFFIX SEAL HERE**

NOTARY PUBLIC *Joanna S Stemple*



West Virginia Ethics Commission  
**Disclosure of Interested Parties to Contracts**

(Required by W. Va. Code § 6D-1-2)

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

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

Contract Number: CEIO 0310 DNR 2200000002 Contract Description: Hawks Nest/Pipestem New Tramways

Governmental agency awarding contract: West Virginia Division of Natural Resources

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.

Dan Flesher, PE  
Miller Engineering

**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: *Richard A. Colebank, Pres. & CEO* Date Signed: 9/21/21

**Notary Verification**

State of West Virginia, County of Monongalia:

I, Richard A. Colebank, 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 21 day of September, 21.

*Joanna S Stemple*  
Notary Public's Signature

**To be completed by State Agency:**

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

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

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





September 22, 2021

Purchasing Division  
2019 Washington St. E.  
Charleston, WV 25305

Attn: Joseph E. Hagar III

**RE: CEOI 0310 DNR2200000002 A/E Services – Hawks Nest & Pipestem New Tramways**

Dear Mr. Hagar,

Alpha Associates, Incorporated team is pleased to submit our qualifications to provide architectural and engineering and other related necessary professional services to design, specify and provide construction contract administration services for the replacement of the existing tramways at Pipestem Resort State Park and Hawks Nest State Park. Alpha's past experience, and our existing relationship with the State of West Virginia including the WVDNR make us a perfect teaming partner for the State on this project.

Since 1969, Alpha has partnered with numerous Federal, State, and local governments to provide architectural and engineering services for projects around West Virginia, including numerous projects for the State of West Virginia including the WVDNR. Alpha is currently working with the WVDNR to design a new tubing conveyor at Canaan Valley State Park. In 2011, Alpha completed renovations to the Hawks Nest CCC Museum and Pavilion as well as structural repairs to Water Smith State Park. All work was completed in compliance with the Preservation Alliance of West Virginia. Alpha has the advantage of having Architecture, Civil and Structural Engineering under one roof. In addition, we have partnered with Dan Flesher, the foremost tramway engineering partner in the United States His qualifications are unparalleled in the industry. In this proposal, you will find examples of projects that showcase our experience.

### **Design Team**

Alpha is a West Virginia owned and operated architectural and engineering design firm with locations in Morgantown, and Martinsburg. Our 22-person professional staff includes architects, civil and structural engineers, surveyors, cost estimators, construction representatives, landscape designers, interior designers,

and technicians. Included in the Alpha Team is Dan Flesher, an engineer with over 40 years of experience, including lift and tramway engineering and Miller Engineering to provide the electrical work on the project. The personnel that will be dedicated to your project are highly qualified professionals and support staff with the technical expertise to meet and exceed expectations of this project. This project will be managed from Alpha's Corporate Office located in Morgantown, West Virginia.

### **Project Understanding**

The WVDNR is looking to partner with an engineering firm that can provide the required engineering design services for the construction of replacement tramways at Pipestem Resort and Hawks Nest State Parks. If selected, the Alpha team will review existing plans and conditions and work with the owner to determine a plan that will minimize disruption to concurrent operation of the state parks and provide all necessary services to design the facilities in a manner that is consistent with the DNR's needs and objectives, current law, and current codes. In addition, the Alpha team will provide construction contract administration services.

### **Summary**

The Alpha Team is looking forward to continuing a successful relationship with the WV DNR and the State of West Virginia by providing excellent service at affordable costs and 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 WVDNR and the various state parks 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 in a formal interview. If you have any questions, please contact me at (304)296-8216 ext. 102.

Sincerely,

**ALPHA ASSOCIATES, INCORPORATED**



Richard A. Colebank, PE, PS  
President and COO

[rick.colebank@thinkalphafirst.com](mailto:rick.colebank@thinkalphafirst.com)

# WELCOME TO ALPHA ASSOCIATES, INC.

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## FIRM PROFILE

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### **Contract Role: Prime**

Architect & Engineer

### **Address**

209 Prairie Ave  
Morgantown, West Virginia 26501

535 West King Street  
Martinsburg, West Virginia 25401

### **Number of Employees**

22

### **Principals**

Richard A. Colebank, PE, PS; President & COO  
Richard W. Klein, PE, PS; Chairman & CEO  
Charles B. Luttrell, PE; Senior Principal  
Charles B. Branch, PE; Senior Principal  
Matthew T. Echard, PE; Principal

### **Services**

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

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# **DANIEL B. FLESHER, PE**

Independent Consulting Engineer  
Licensed in Utah, Virginia and West Virginia.

206 Poplar Drive  
Morgantown WV 26505  
Phone 304-692-6538  
E-mail danflesher@aol.com

A consulting engineer since 1973, Dan Flesher has provided general civil engineering tramway engineering to numerous clients, including the inspection of approximately 25 Lift and tramways each year for the AIG Insurance Company.

He is also the President and Sole Owner of Trimble Engineers & Constructors, Inc., providing engineering and construction services to multiple disciplines including services to the coal, utility, and ski industries. Major projects have included Ski Lift relocation, Snow Making Systems, Ski Slope Design & Construction, coal preparation plants, sewer and water treatment plants, bridges, and various commercial and light industrial buildings.

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## Firm Profile

*MILLER ENGINEERING is a solely held (S) corporation owned by Craig Miller PE, President. The corporation maintains a Certificate of Authority with the WV State PE Board and has carried professional liability insurance since its inception. Neither the firm nor its professional engineers have ever faced disciplinary action in any form from the states in which they are registered.*

*Our engineered solutions involve a detailed assessment process: investigation, observation, communication with stakeholders, system analysis, building modeling and engagement from our entire team. We approach each and every project with this process and the guiding principle that buildings are designed to be livable and function in their intended purpose.*

*Over the past 14 years Miller Engineering, Inc. (MEI) has engineered solutions for over \$23.2M in MEP system upgrades, repairs and renovations for projects of all scopes and sizes, with clients ranging from private owners to local and state governments. With a strict attention to detail and commitment to delivering a job done well and done right the first time, every time, **MEI has accumulated a change order percentage of less than 0.1% over the past 8 years.***

*Our team has unique skill-sets regarding engineered renovation solutions. Each member of the team has hands-on mechanical system experience including installation, construction, design and maintenance.*

*Miller Engineering takes pride in being **different by design**, and that difference shines through in all phases of our work and continued relationships with our clients.*

- Experienced and Licensed Professional Engineers
- Quality, Value-Engineered Project Delivery
- Qualified Construction Representative on Staff
  - LEED-AP Certified
- Below Industry Change Order Status
  - Building Information Modeling
  - Emergency Facility Response

## Engineering Design and Consultation

- Mechanical
- Electrical
- Plumbing
- HVAC Design
- Renovation
- New Construction
- Building Information Modeling

### Aquatic Facility Design

- Public Pools & Areas
- ADA Compliance
- Indoor & Outdoor (air flow)
- Chlorination/Filtration

### Construction Administration

- Maintenance/Facility Improvement Plans
- Contract Administration
- Code Observation

### Communication System

- Intercomm & Public
- AddressVoice/Data/CATV
- Urgent Response

### Energy

- Power Supply (main & backup)
- Green & Renewable Consulting
- Systems Utilization & Upgrades
- Sustainable Solutions

### Facility Utilization

- Systems Assessment & Solutions
- Adaptive Re-use
- Planning/Life-Cycle Control
- Engineered Replacement

### Life Safety Inspection/Design

- Fire Protection & Alarm Systems
- Access Control
- Fire & Electrical Investigation

### Industry Experience

- Education
- Local & State Government
- Commercial Development
- Healthcare



# STATEMENT OF QUALIFICATIONS.

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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 technological tools, dedicated principals and highly skilled staff members.

Alpha has a long history of unique projects and in 1984, we were the engineer of record for the World's Fair Gondola MART system in New Orleans. Since 1969, Alpha has provided architectural and engineering design services throughout the state of West Virginia. We have worked with many organizations as well as local, state and federal government entities on numerous projects of varying sizes and types. Our work is diverse and also includes clients in commercial, education and governmental facilities, developers and private organizations.

We provide the expertise in our team to design both of these unique projects. Alpha 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 teamed with Dan Flesher, an expert in Tram and Wire Technologies, to provide the specialized experience that separates our team from competitors.

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 everything 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, all work 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 consistently update you on your project by using effective communication tools to manage the projects and all the involved parties. Our skilled staff of twenty two (22) architects, engineers, surveyors and administrative personnel all work diligently towards producing drawings and specifications that will deliver our clients successful projects, completed on time and within budget.

Alpha has thrived for over 52 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.

**THINK ALPHA FIRST.**



# PROJECT TEAM.

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Richard a. Colebank PE, PS  
President & COO

As the principal-in-charge for your project, Mr. Colebank will serve as your immediate contact for you and coordinate with the design team, and consultants.

**Related Experience:**

Canaan Valley Resort Tubing Conveyor Replacement; Davis, WV  
North Bend State Park; Ritchie County, WV  
Stonewall Jackson Resort Cottage Infrastructure; Roanoke, WV

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Dan Flesher, PE  
Independent Engineering  
Consultant

With decades of experience in tramway engineering, including inspections, failure analysis, acceptance testing, etc., Mr. Flesher will advise the team on the engineering design of the tramways.

**Related Experience:**

Canaan Valley Resort Tubing Conveyor Replacement; Davis, WV  
Mississippi River Tramway New Orleans World Exposition; New Orleans, LA  
Chestnut Ridges Park Ski Slope and Lift; Monongalia County, WV  
Multiple Ski Lift and Tramway Inspections; North America and Caribbean

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Charles B. Branch, PE  
Senior Principal/Civil Engineer

Mr. Branch will be the Project Manger on the project and as such will be responsible for overall management, design and production of the project. He will work directly with DNR and the Alpha project team to provide all design, construction documentation and permitting services for the project. He will work with the project team detailing all aspects of the project from initial design to final design. Ensure all permits are obtained and provide construction and bidding document for the proper receipt of bids.

**Project Manager Related Experience:**

Canaan Valley Resort Tubing Conveyor Replacement; Davis, WV  
Stonewall Jackson Resort Cottage Infrastructure; Roanoke, WV  
North Bend State Park; Ritchie County, WV

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Charles B. Luttrell, PE  
Senior Principal/Structural Engineer

Mr. Luttrell will be the lead structural design engineer on the project.

**Related Experience:**

Canaan Valley Resort Tubing Conveyor Replacement; Davis, WV

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Craig Miller, PE  
Miller Engineering

Mr. Miller will serve as Principal-in-Charge of mechanical and electrical e design engineering services for the project at the direction of the management team.

**Related Experience:**

Canaan Valley Resort Tubing Conveyor Replacement; Davis, WV

# MEET ALPHA'S TEAM.

## MANAGERS

Richard W. Klein  
PE, PS  
Chairman & CEO

Richard A. Colebank  
PE, PS  
President & COO

## ARCHITECTURE

Rebecca Key  
AIA-LEEP-AP  
Director of  
Architecture

Casey Smith  
AIA Assoc.  
Architectural Designer

Todd Lewis  
AIA Assoc.  
Architectural Technician

Alex Hail  
Construction  
Administration

## CIVIL ENGINEERING

Charles Branch  
PE; Senior Principal  
Senior Civil Engineer

Bradley Casdorph  
PE, PS  
Civil Engineer

Tom Simpson  
PE  
Civil Engineer

David Costello Jr.  
PS  
Manager of Surveying

Julie Frazee  
Engineering Technician

Terry Higgins  
Field Representative

Kevin McClung  
Engineering Technician

Barbara Kerns  
Survey Crew

Tyler Collins  
Survey Crew

## STRUCTURAL ENGINEERING

Charles Luttrell  
PE, Senior Principal  
Senior Structural Engineer

Matthew Echard  
PE, Principal  
Structural Engineer

Cody Antoon  
Engineering Technician

## OFFICE ADMINISTRATION

Heather Fox  
Business Manager

Joanna Stemple  
Marketing Coordinator

Kim Coomler  
Administrative Assistant

## INDEPENDENT CONSULTING TRAMWAY ENGINEER

Dan Flesher  
PE  
Civil Engineer

## MECHANICAL, ELECTRICAL ENGINEERING

Craig Miller  
PE  
Mechanical Engineer

Travis Taylor  
PE  
Mechanical Engineer

Jospeh Machnik  
MEP Designer

Eyad Alhalabi  
Junior Engineer

# SCHEDULE AND BUDGET.

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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. Alpha recently 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.

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's in house cost estimators, combined with an excellent relationship with contractors throughout the area, will provide the client with the most accurate estimates of probable construction cost.

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# CAPACITY & SOFTWARE.

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## OUR CAPABILITIES

Alpha Associates, Incorporated is prepared to commit staff and resources to the Tramway Replacement Project at Pipestem Resort State Park and Hawks Nest State Park. 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 WVDNR 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. We have included the foremost expert in the field on our team for this unique project.

## USING THE LATEST 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 22
  - REVIT (Editions up to 2022)
  - Civil 3D
  - RISA 3D
  - RISA Floor
  - RISA Foundation
  - MathCAD
  - DJI Phantom 4 RTK Drone
  - Autodesk Suite
  - Enercalc
  - AutoTURN
  - TopCon GR5 GPS System
  - TopCon Total Station with Reflectorless Capabilities
  - Carlson Surveyor & Data Collector
-



# RICHARD A. COLEBANK

## PE, PS; PRESIDENT & COO

☎ 304-296-8216 | 800-640-8216

✉ rick.colebank@thinkalphafirst.com

### EMPLOYMENT HISTORY

1985-Current | Alpha Associates, Inc.

1983-1985 | Charles Townes & 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- State Board

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

### SUMMARY

Mr. Colebank is President and Chief Operating Officer at Alpha. He has been with Alpha Associates, Inc. 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 by 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 Principal:

- Morgantown Municipal Airport Access Road; Morgantown, WV
- Mon General Access Road; Morgantown, WV
- WVU Reedsville Farm Redevelopment; Reedsville, WV
- Monongalia General Hospital Access Road; Morgantown, WV
- WVDOH Martinsburg Train Station Corridor Streetscape; Martinsburg, WV
- WV State Office Building; Parkersburg, WV
- College of Physical Activity & Sports Science; Morgantown, WV
- WVDOH Open End Engineering Contract; WV
- WVDOH Deckers Creek Pedestrian Bridge; Morgantown, WV
- Clarksburg State Office Building; Clarksburg, WV
- Jane Lew Truck Stop; Jane Lew, WV
- Grant County Bank Addition & Renovation; Petersburg, WV
- South Berkeley Fire Station; Inwood, WV



# CHARLES B. BRANCH

## PE; SENIOR PRINCIPAL & CIVIL ENGINEER

☎ 304-296-8216 | 800-640-8216

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

### EMPLOYMENT HISTORY

1992-Current | Alpha Associates, Inc.

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

### 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 Health Sciences Center Eastern Division; Martinsburg, WV
- WVDOH Martinsburg Train Station Corridor Streetscape; Martinsburg, WV
- WVDOH I-77 Welcome Center; Williamstown, WV
- WV Medal of Honor Recipients Plaza; Hazleton, WV
- Lewis County High School Bridge; Weston, WV
- Wyoming County Route 10 Relocation; Wyoming County, WV
- Fairmont Federal Credit Union; Bridgeport, WV
- Queen St Underpass; Martinsburg, WV
- Martinsburg Little League Fields; Martinsburg, WV



# CHARLES B. LUTTRELL

## PE; SR. PRINCIPAL & STRUCTURAL ENGINEER

☎ 304-296-8216 | 800-640-8216

✉ charlie.luttrell@thinkalphafirst.com

### EMPLOYMENT HISTORY

1996-Current | Alpha Associates, Inc.  
1995-1996 | Larry D. Luttrell, PE, PhD  
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  
Buttressed Overlap Shear Failures  
  
Composite Cold Formed Steel and  
Concrete Deck  
Line Load Behavior/Failures  
Concentrated Load Behavior/Failures  
Web Crippling  
Punch Failures

### 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 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.

### 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

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; Clarksburg, 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  
Shepherd University Pedestrian Underpass; Shepherdstown, WV  
Washington High School; Charles Town, WV  
WVU Coliseum Structural Inspection; Morgantown, WV  
Alderson Broaddus College, Rex Pyles Arena Deck; Phillipi, WV  
Monongalia County Sheriff's Building; Morgantown, WV  
South High Street Bridge; Morgantown, WV  
Ices Ferry Bridge; Morgantown, WV  
Matthews Foundry Structural Evaluation; Martinsburg, WV  
Martinsburg Little League Fields; Martinsburg, WV  
Martinsburg WWTP; Martinsburg, WV  
Queen St. Underpass; Martinsburg, WV  
Winchester & Western RR Rt. 11 Bridge; Martinsburg, WV



# BRADLEY CASDORPH

## PE,PS; CIVIL ENGINEER

☎ 304-296-8216 | 800-640-8216

✉ brad.casdorph@thinkalphafirst.com

### EMPLOYMENT HISTORY

2004-Current | Alpha Associates, Inc.

1979-2004 | Triad Engineering, Inc.

### 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  
Certified FAA Part 107 Remote Pilot

### AFFILIATIONS

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

### SUMMARY

Mr. Casdorff joined the Alpha Associates, Inc. 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 , including the use of Aerial Drone Technology

### PROFESSIONAL HIGHLIGHTS

#### Civil Engineering:

- WVDOH Arnettsville Bridge Replacement; Monongalia County, WV
- WVDOH Open Engineering Open End Contract; WV
- WVDOH Deckers Creek Pedestrian Bridge; Morgantown, WV
- Freedom Automotive Three Dealerships; Morgantown, WV
- Freedom Kia Clarksburg; Clarksburg, WV
- Morgantown Municipal Airport Access Road; Morgantown, WV
- Mon General Hospital Access Road; Morgantown, WV
- WVU - Lot 81 Parking Area Improvements; Morgantown, WV
- McKee Crossing - 120 Acre Subdivision; Martinsburg, WV
- WVU Reedsville Farm Redevelopment; Reedsville, WV
- Mon General Hospital - East Parking Area; Morgantown, WV
- Jane Lew Truck Stop; Jane Lew, WV
- Point Marion Borough; Point Marion, PA
- Clarksburg State Office Building; Clarksburg, WV
- WVU College of Physical Activity & Sports Sciences; Morgantown, WV
- VA Parking Lot SWM; Shepherdstown, WV
- Arcland RV Parking Lot SWM; Charles Town, WV

#### Surveying:

- WVDOH Arnettsville Bridge Replacement; Monongalia County, WV
- Morgantown Municipal Airport Access Road; Morgantown, WV
- Mon General Hospital Access Road; Morgantown, WV
- Freedom Automotive Three Dealerships; Morgantown, WV
- Freedom Kia Clarksburg; Clarksburg, WV



# MATTHEW T. ECHARD

## PE; PRINCIPAL & STRUCTURAL ENGINEER

☎ 304-296-8216 | 800-640-8216

✉ matthew.echard@thinkalphafirst.com

### EMPLOYMENT HISTORY

2016-Current | Alpha Associates, Inc.  
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 ICSA2010-  
First International Conference on Structures  
and Architecture Guimaraes, Portugal, July  
2010, Taylor & Francis.

Echard, M. Structural Analysis and Design  
Within a BIM Framework. EAEC 10- East  
Asia Structural Conference, Bangkok,  
Thailand, August 2006.

### 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 in the United States, Europe, and the Middle-East, Mr. Echard returned to West Virginia to provide world-class service in a historically undeserved 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. Mr. Echard also volunteers as the Chairman of the Gilmer County Unsafe Buildings and Lands Enforcement Authority.

### PROFILE

Broad-based responsibilities in the following areas:

- Structural Engineering
- Structural Forensics
- Project Management

### PROFESSIONAL HIGHLIGHTS

Project Manager & Structural Engineer:

- WVU Creative Arts Center Performance Access; Morgantown, WV
- WVU Aero/Combustion Lab Mezzanine; Morgantown, WV
- WVU Athletics Tennis Scoreboard; Morgantown, WV
- WVU Athletics Coliseum Scoreboard & Speakers; Morgantown, WV
- WVU CAFEE Building Addition; Morgantown, WV
- WVU Colson Hall, Admission & Records Access; Morgantown, WV
- WVU ESB Chiller Lines; Morgantown, WV
- WVU ESB Roof Fall Protection; Morgantown, WV
- WVU Health Sciences Center - Phase 1B HVAC; Morgantown, WV
- WVU Hodges Hall Renovation; Morgantown, WV
- WVU J.W. Ruby Research Farm; Reedsville, WV
- WVU Law School Precast Evaluation; Morgantown, WV
- WVU Mountainlair Façade Water Infiltration; Morgantown, WV
- WVU Mountainlair Gridiron Assessment; Morgantown, WV
- WVU Mountainlair Plaza Structural Assessment; Morgantown, WV
- WVU Stewart Hall MEP Upgrades; Morgantown, WV
- Westover Goodwill Structural Design; Morgantown, WV
- Weyerhaeuser Roof Evaluation; Heaters, WV
- Martinsburg Queen Street Underpass; Martinsburg, WV
- City Hall Façade Rehab; Morgantown, WV
- Metropolitan Theatre Roof; Morgantown, WV

# DANIEL B. FLESHER

## PE, CIVIL ENGINEER

### EDUCATION

West Virginia University  
Masters - Civil Engineering; 1976  
(GPA 4.0)

West Virginia University  
Bachelor- Civil Engineering; 1973  
(Magna Cum Laude)

### QUALIFICATIONS

License: Professional Engineer;  
Utah, Virginia, West Virginia

### AFFILIATIONS

OSHA Subpart P Excavation  
MSHA Surface Construction Supervisor  
Crane Operator, Crane Inspector  
Approved Tramway Engineer, Utah Tramway  
Board  
Member NSPE, ASCE, Tau Beta Pi & Chi  
Epsilon  
Past President CAWV

 304-692-6538

 danflesher@aol.com

### EMPLOYMENT HISTORY

March 1988 to Present Trimble Engineers & Constructors, Inc.; Morgantown, WV

- President and Sole Owner since 1995
- Vice President and 50% Owner 1988 - 1995
- Trimble Engineers and Constructors, Inc. provides a full range of engineering and construction services to the coal, utility, and ski industries. Major projects have included Ski Lift relocation, Snow Making Systems, Ski Slope Design & Construction, coal preparation plants, sewer and water treatment plants, bridges, and various commercial and light industrial buildings.

December 1973 to Present Independent Consulting Engineer

- Areas of practice included general civil engineering and tramway engineering. This has involved approximately 25 Lift and Tramway inspections per year since 1974 for the AIG insurance company. These tramways have been in all of North America and the Caribbean.

January 1985 to March 1988 Alpha Associates, Inc.; Morgantown, WV

- Executive Vice President/Managing Principal

March 1983 to January 1985 Virginia Power; Bath County VA

- Bath County Pumped Storage Project
- Supervisor Planning moved to Construction Manager

March 1978 to January 1983 Hobet Mining and Construction Co, Inc.; Charleston WV

- Project Manager
- General Superintendent and Project Engineer

March 1977 to December 1977 Wilson Engineering Company

- Sales Engineer

November 1973 - March 1977

December 1977 - March 1978 Alpha Associates, Inc. Morgantown WV

- Project Manager

June 1973 to October 1973 Ben Tom Corporation Pomeroy, OH

- Labor Foreman responsible for erection of signs, guardrails, concrete gutters, and headwalls on interstate highways in Florida..



**B. Craig Miller, PE**

Craig founded Miller Engineering in 2003, and serves as President and Principal Engineer. He has more than 20 years experience in design, specification, operations and project management. During his employment with WVU, Craig was directly involved with approximately \$130 million in new capital construction. His experience with a wide range of projects including HVAC, electrical, plumbing, infrastructure upgrades, building automation, energy efficiency and maintenance/renovation, among others, allows him to serve in multiple capacities within a given project. Craig will serve as the “Relationship

Manager” for Miller Engineering as the main communication interface between the Owner, the design team, contractors and end users.

**Project Role: Relationship Manager – Primary Point of Contact**

- *Engineer in Responsible Charge*
- *Design and Project Management of Mechanical, Electrical, Plumbing Projects*
- *Concept and Construction Design*
- *Business Operations and Financial Management Oversight*
- *Quality Assurance and Control*

**Professional Project Highlights**

- Morgantown High School Area 4 HVAC Renovations
- WVU Life Sciences Building and Student Recreation Center – Owner’s Engineer
- Hawks Nest/Twin Falls HVAC
- Mapletown High School HVAC Replacement Phase I & II
- Advanced Surgical Hospital
- Pipestem McKeever Lodge HVAC Piping Replacement
- Beech Fork State Park – MEP New Construction Design
- Cheat Lake Elementary & Middle School Renovations

**Professional History**

2003- Present	Miller Engineering, Inc.	President, Relationship Manager
2002-2003	Casto Technical Services	Existing Building Services Staff Engineer
2001-2002	Uniontown Hospital	Supervisor of Engineering
1995-2001	West Virginia University	Staff Engineer
1990-1995	BOPARC	Caretaker – Krepps Park
1983-1988	University of Charleston	Electrician/HVAC Mechanic

**Education**

1995	West Virginia University	BS- Mechanical Engineering
1988	University of Charleston	BA- Mass Communications

**Licenses and Certifications**

- Professional Engineer (West Virginia, Pennsylvania, Maryland, and Ohio)
- Licensed Master Plumber
- LEED-AP Certified



## **Travis Taylor, PE**

Experience in project management facilitates Travis's ability to create and design constructible projects. Prior to joining the Miller Engineering team he was directly responsible for managing \$10 million in electrical construction budgets. His experiences encompass both new construction and renovation. Travis maintains professional competencies by attending seminars and continuing education classes. These include local ASHRAE classes in addition to classes on electrical systems, and also steam systems through Shippenburg Pump Company. As lead engineer he provides HVAC, mechanical, plumbing, and electrical design solutions and services for our clients. In addition, he is part of our team's complete assessment process in both planning and MEP design through construction administration.

### **Project Role: Lead MEP Engineer**

- *Design of Mechanical, Electrical, and Plumbing Systems*
- *Building Information Modeling - Revit*
- *Constructible Materials Evaluation*
- *Site Evaluation and Mechanical System Review*
- *Submittal and RFP Review*
- *RFI Coordination, Review, and Response*
- *Construction Observation*

### **Professional Project Highlights**

- Blackwater Falls Lodge Boiler Replacement
- MTEC Welding Shop
- Camp Dawson FMS4 Fire Protection
- WV State Building 22 2nd Floor Renovations
- WV State Building 25 HVAC Piping Replacement
- Morgantown High School Area 4 HVAC Renovation
- Bobtown Elementary School HVAC Upgrades
- Holly River State Park Primary Electric Service Replacements Phase I & II
- Pipestem Lodge McKeever Lodge HVAC Piping Replacement

### **Professional History**

2011-Present	Miller Engineering, Inc.	Staff Engineer
2006-2011	Tri-County Electric, Co.	Project Manager
2006-2006	Schlumberger	Field Engineer Trainee - MWD

### **Education**

2006 West Virginia University, BS – Mechanical Engineering

### **Licenses and Certifications**

- Professional Engineer - State of West Virginia
- OSHA 10-hour Course: Construction Safety & Health



## **Joseph Machnik**

Joe has experience with AutoCAD, MEP and Revit MEP. He provides design modeling, drafting and supervised design services and construction support for Miller Engineering.

### **Project Role: MEP Designer**

- *Revit/CADD Coordination of New Construction and Renovation Designs*
- *Building Information Modeling Specialist*

### **Professional Project Highlights**

- Bobtown Elementary HVAC
- WV State Building 25 HVAC Piping Replacement
- Blackwater Falls Boiler Replacement
- Suncrest Middle Gym HVAC
- North Elementary Gym HVAC
- Graftek Steam Systems Evaluations and Modifications
- WV State Building 25 HVAC Piping
- Pipestem Lodge HVAC Piping Replacement
- Westwood Middle Cooling Tower

### **Professional History**

2010 – Present Miller Engineering, Inc. MEP Designer

### **Education**

2008 Penn State – Fayette, AS - Building Engineering Systems Technology: *Building Environmental Systems Technology*

2007 Penn State – Fayette, AS - Building Engineering Systems Technology: *Architectural Engineering Technology*

### **Additional Training**

2016 – Shippenburg Pump Company – Steam Systems Training



## **Eyad Alhalabi**

Eyad joined Miller Engineering in June 2019. A recent graduate of West Virginia University, he has been eager to learn the means and methods of MEP consulting. Eyad assists the MEP design team with design calculations and is rapidly learning design software such as Autodesk REVIT. He is also learning construction administrations along with building codes and standards. Eyad is currently preparing to take the Fundamentals of Engineering exam.

### **Project Role: Junior Engineer**

- *Design Calculations*
- *Drafting of MEP Systems*
- *Assist with Construction Administration*

### **Professional Project Highlights**

- Morgantown ALC
- WVDA Ripley Warehouse Electrical Upgrades
- Huntington 8th & 10th Street Pump Stations
- Huntington Floodwall Pump Station Automation
- Blackwater Falls Lodge Renovation
- Hawks Nest Lodge Interior Improvements
- Capitol Complex Central Chiller Modificaitons

### **Professional History**

2019- Present                      Miller Engineering, Inc.      Junior Engineer

### **Education**

2019      West Virginia University, BS - Mechanical Engineering

### **Licenses and Certifications**

- ASHRAE Student Member

# CANAAN VALLEY RESORT TUBING CONVEYOR

## Davis, WV; 2021

Alpha Associates provided civil and structural engineering design services to prepare the design, construction drawings, bidding assistance and construction administration services for the construction of an approximately 850-foot-long conveyor system for the tubing park at Canaan Valley Ski Resort.

The designs for this project include, structural, electrical design, civil design and architectural services. Coordination with the manufacture is key to providing for the owner's features desired at an acceptable price.

Project is currently under construction and anticipated to be completed prior to the ski season.

Dan Flesher was a consultant for this project.

### *At a Glance:*

CLIENT: Canaan Valley Resort  
LOCATION: Davis WV  
COMPLETION DATE: 2021  
CONSTRUCTION COST: TBD

### *Project Contact:*

Sam England  
Canaan Valley Resort  
230 Main Lodge Road  
Davis, WV 26260



# TYGART LAKE STATE PARK

## **Grafton, WV; 2019**

The project at Tygart Lake was designed to greatly improve the existing boating facilities. The two existing ramps were widened and lengthened to better access the lake and extend the boating season.

Parking lot circulation was expanded to allow better access and the small existing gravel lot was enlarged to accommodate 110 parked vehicles and trailers.

Overall the project has greatly improved the recreational opportunities for the public and provided an efficient, effective boating facility.

### *At a Glance:*

CLIENT: WVDNR  
LOCATION: Grafton, WV  
COMPLETION DATE: 2019  
CONSTRUCTION COST: \$2 Million

### *Project Contact:*

Brad Leslie  
324 4th Ave.  
South Charleston, WV 25303  
304-558-2764



# STONEWALL JACKSON RESORT

## **Roanoke, WV; On-Going**

Alpha Associates, Incorporated is currently working on the completion of a variety of projects for Stonewall Jackson Resort in Roanoke, WV. During the summer of 2013, Alpha completed the design of infrastructure for 25 cottages at the Resort. Work for the infrastructure included all earthwork, roadways, and utilities. The grading and roads were completed during the fall of 2012 by the Army National Guard as well as some other miscellaneous off-site grading activities that the Resort requested Alpha's services in completing with the National Guard.

Construction of the utility infrastructure was completed in the spring of 2015 which included water, sanitary, gas, power and communication lines. Alpha is also working on an evaluation and report for the existing water and wastewater treatment systems at the Resort.

### *At a Glance:*

CLIENT: Stonewall Jackson Resort  
LOCATION: Roanoke, WV  
COMPLETION DATE: On-Going  
SIZE: Multiple Projects  
CONSTRUCTION COST: Completed by WWANG

### *Project Contact:*

Rudy Henley  
305 Washington Street West  
Charleston, WV 25302  
304-347-7500



# ELKINS COAL AND COKE BUILDING

## Masontown, WV; 2018

Alpha Associates, Incorporated provided architectural design for renovations to the Elkins Coal and Coke Building. The project is partially funded by a grant from the Federal Highway Administration's Recreational Trails Program.

The project included:

- Renovation of existing stone building with slate roof.
- Demolition of existing roof and structure, salvaging all slate for re-use.
- Construction of new roof utilizing pre-engineered roof trusses.
- Installation of salvaged slate that remains on site.
- Construction of two toilet rooms with new concrete slab, interior drywall partitions, etc.
- Plumbing and minimal electrical.

### *At a Glance:*

CLIENT: Mon River Trails Conservancy  
LOCATION: Masontown, WV  
COMPLETION DATE: 2018  
SIZE: 783 SQ.FT.  
CONSTRUCTION COST: \$187,000

### *Project Contact:*

Ella Belling  
PO Box 282  
Morgantown, WV 26507  
304-692-6782



# **NORTH FORK HUGHES RIVER RECREATIONAL DESIGN**

## **Ritchie County, WV; 2009**

Alpha Associates, Incorporated provided architectural, engineering and landscape design for the implementation of a \$12 million Master Plan for the USDA Camping Area.

The project included:

- Restrooms and Bath Houses
- Amphitheater
- Trails
- Parking Areas
- Check in Building
- Water Transmission and Distribution
- Navigational Aids
- Camping Areas
- Picnic Areas
- Sports Fields
- Roadways
- Maintenance Building
- Sewage Collection and Treatment

### *At a Glance:*

CLIENT: USDA  
LOCATION: Ritchie County, WV  
COMPLETION DATE: 2009  
SIZE: Over 100 Acres  
CONSTRUCTION COST: \$12 Million

### *Project Contact:*

Sam Ware  
91 Boyles Lane  
Parkersburg, WV 26104  
304-422-9072



# CASS SCENIC RAILROAD— CLUBHOUSE RENOVATION

**Cass, WV; 2009**

Alpha performed an evaluation of the building condition, structural foundation, and MEP systems for the Clubhouse to document the historic structure and utilize the information to determine what the best use of the building would be. Alpha then designed the renovation of this historic landmark originally built in 1916.

Renovation of the Cass Clubhouse was first developed as a lodge concept. When that was deemed too costly, the renovation/restoration design was confined to the exterior of the building shell and first floor. This stabilized the building and fixed major problems while allowing the first floor to be operated as a museum.

## *At a Glance:*

CLIENT: WV DNR  
LOCATION: Cass, WV  
COMPLETION DATE: 2009  
SIZE: Bldg: 5,163 Square Feet  
CONSTRUCTION COST: \$505,000; \$75,617 Fee

## *Project Contact:*

Brad Leslie  
324 4th Street  
Charleston, WV 25303  
304-558-2764



# DAN FLESHER REPRESENTATIVE PROJECTS & ENGAGEMENTS

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- Design and construction administration of various property developments. This included such varying properties as Greystone in the Cheat Lake area and Independence Hill Mobile Home Park. Engineering covered sewer, water distribution, roadway layout and stormwater control.
  - Administration of the ANSI B-77.1 code revisions (Alpha was the Secretary)
  - Mississippi River Tramway for the New Orleans World Exposition with Alpha Associates. Alpha was the Engineer of Record.
  - Failure analysis of the Teller lift Bull Wheel failure at Keystone.
  - Failure analysis of the King Pine lift rollback at Sugarloaf.
  - Collaboration with Poma on the Alpha terminal design.
  - Consulting work with CTEC (now a part of the Doppelmayr companies)
  - Design and construction administration of repair of a counterweight failure of a CTEC lift at Winterplace. Revisions of Goforth lifts at Appalachian Ski area in Blowing rock North Carolina.
  - Construction administration and acceptance testing of Replacement ski lift at The Homestead in Hot Springs Va.
  - Design and construction of ski slope and lift at Chestnut Ridge park in Monongalia County, Wv.
  - Construction of sewer projects including the West Run Pump station for the Morgantown Utility Board, a Sewer Treatment Plant for Warm Springs in Bath County, VA and treatment plant upgrades for Princeton, WV.
  - Ski Lift and Tramway inspections throughout North America and the Caribbean for the insurance company.
  - Ski lift relocation from a Ski Area in the Berkshires and erection at Winterplace in WV.
  - Design and construction of Shays Revenge ski slope at Snowshoe. This included a pump station, compressor installation and over 37,000 linear feet of snowmaking pipe. Most of this pipe was welded steel up to 24 inch diameter.
  - Design and construction of the Slide Run operations building at Snowshoe.
  - Construction of the fire station at Snowshoe.
  - Construction of a DOH maintenance building in Elizabeth WV.
  - Design and/or construction of Coal Preparation plants in WV, KY, PA, IN, IL & CO.
  - Construction of material handling systems as long as a five mile long overland coal conveyor. These projects took place in various states including WV, PA, VA, TX, CO, OK, IN, IL, IO, & OH.
  - Design and construction management of fast food restaurants including Kentucky Fried Chicken, Wendy's & Mr. Donut.
  - Design and construction management of large residences, churches & townhouses.
  - Design, construction and layout of access roads for construction of overland conveyor systems and gas pipelines.
  - Construction of bridges for the WV DOH, Private Companies & the USFS.
  - Design and construction administration of the Engineering Research Building for WVU.
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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 Gaddy

By  
Kenneth H. Means

President  
Robert B. Scott



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 18th 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 D. Goddy

[Signature]

[Signature]

[Signature]



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 Capitol in the City of Charleston, This 29th day of December in the year of our Lord 2005 and of the State the One Hundred Forty-Second

Members of the Board

Signatures of board members: Leonard J. Thomas, Jr., Richard E. Dlyns, Bhajan S. Shuja, William E. Verson, and an illegible signature.



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. Echard

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

Loren D. Thomas, Jr.

Richard E. Dlyna

Bhajan S. Saha

William E. Piersen

[Signature]

# 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

Will E. Johnson President.  
E. F. [unclear] 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: G. R. [unclear], Frank H. Naddy, W. B. Faulkner, and others.

# 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, 2020 - December 31, 2021**

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

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



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

BOARD PRESIDENT

# HEAR FROM OUR CLIENTS.

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

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.



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

Every aspect and detail of [Alpha's] planning, coordination, and completed projects have been exceptional and outstanding in every regard.

## **References**

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**Brad Leslie**  
**WV Parks and Recreation**  
**Division of Natural Resources**  
324 4th Avenue  
South Charleston, WV 25303  
304-558-2764

**Bill Clark, Executive Director**  
**Region 9 Planning & Development Council**  
400 West Stephen St Suite 301  
Martinsburg, WV 25401  
(304)-263-1743

**David Hildreth**  
**State of West Virginia**  
1409 Greenbrier Street  
Charleston, WV 25305

**Dirar Ahmad**  
**West Virginia Division of**  
**Highways**  
Building 5  
1900 Kanawha Blvd., East  
Charleston, WV 25305-0430  
304-558-2830

**Damien Davis, City Engineer**  
**City of Morgantown**  
389 Spruce Street  
Morgantown, WV 26505  
304-284-7412

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