



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: 474733

Doc Description: EOI: A/E Services - Building 74 Renovations

Proc Type: Central Contract - Fixed Amt

Date issued	Solicitation Closes	Solicitation No	Version
2018-08-09	2018-09-05 13:30:00	CEOI 0211 GSD1900000001	1

BID RECEIVING LOCATION

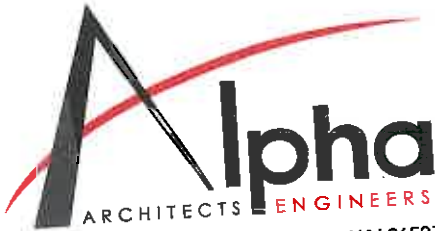
BID CLERK
 DEPARTMENT OF ADMINISTRATION
 PURCHASING DIVISION
 2019 WASHINGTON ST E
 CHARLESTON WV 25305
 US

VENDOR

Vendor Name, Address and Telephone Number:

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

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

RECEIVED

2018 SEP -5 AM 10:10

WV PURCHASING
 DIVISION

FOR INFORMATION CONTACT THE BUYER

Melissa Pettrey
 (304) 558-0094
 melissa.k.pettrey@wv.gov

Signature X

FEIN # 550516286

DATE 9/4/18

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:  Date: 9/4/18

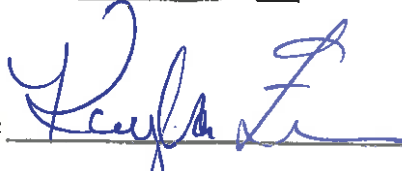
State of West Virginia

County of Upshur, to-wit:

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

My Commission expires September 19, 2023.

NOTARY PUBLIC


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 0211 GSD1900000001 Contract Description: Building 74 Renovations

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.

Craig Miller- 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: [Handwritten Signature]

Date Signed: 9/4/18

Notary Verification

State of West Virginia, County of Upshur:

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

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

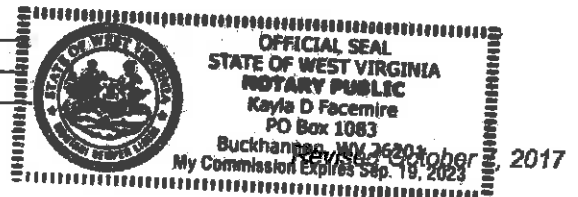
[Handwritten Signature]
Notary Public's Signature

To be completed by State Agency:

Date Received by State Agency: _____

Date submitted to Ethics Commission: _____

Governmental agency submitting Disclosure: _____



**ADDENDUM ACKNOWLEDGEMENT FORM
SOLICITATION NO.:**

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

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

Addendum Numbers Received:


(Check the box next to each addendum received)

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

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

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


Alpha Associates, Inc
Company


Authorized Signature

9/4/18
Date

NOTE: This addendum acknowledgment 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)

9/4/18
(Date)

304-296-8216/ 304-296-8245
(Phone Number) (Fax Number)



West Virginia
Purchasing Division
Building 74 Renovations
A/E Design Services
CEOI 0211 GSD1900000001

September 5, 2018
EXPRESSION OF INTEREST





September 5, 2018

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

Attn: Melissa Pettrey

RE: CEOI 0211 GSD19000001
A/E Services for Building 74 Renovations

Dear Ms. Childers,

Alpha Associates, Incorporated is pleased to submit this expression of interest for the Building 74 renovation project. The Alpha Team's experience and our existing relationship with the General Services Division and the WVDNR make us the perfect design partner on this important restoration project at 112 California Avenue in Charleston, WV.

Over the past 49 years Alpha has provided quality architectural, engineering and surveying services to various clients, both public and private, throughout the state. Our relevant project experience includes the evaluation, renovation, design and construction of a variety of office spaces including the Building 770 at the West Virginia Regional Technology Park in Charleston, West Virginia, as well as numerous bank branch projects for Clear Mountain Bank and the West Virginia State Office Building in Clarksburg, West Virginia.

Project Team & Location

Our staff includes architects, architectural designers, structural and civil engineers, , interior designers, technicians, landscape designers, construction administrators, and support staff. From the President to the support staff, the Alpha team is committed to providing you with a quality completed project in a timely manner. For this project, Alpha has partnered with Miller Engineering for this project to perform the mechanical and electrical designs. Alpha has a successful partnership history with Miller Engineering, which allows us to provide the WVDNR with a cohesive team on this project.

Both Alpha and Miller have 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.

This project will be managed from Alpha's Corporate Office located in Morgantown, West Virginia. This location allows our staff to be on site within a day's notice.

Project Understanding

The General Services Division is looking to partner with a firm to provide renovations services for Building 74 which of a three-story office building that was acquired by the West Virginia Department of Natural Resources in 2009. The purpose of this renovation is to update the current building's outdated envelope, electrical, mechanical and plumbing systems to modern day standards in efficiency.

Summary

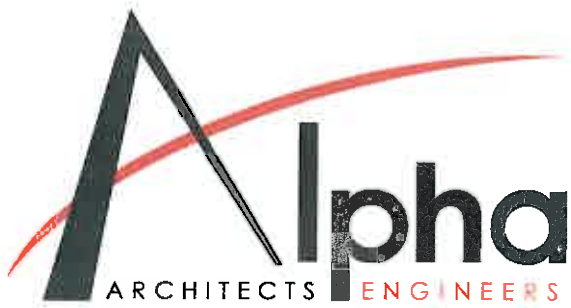
Alpha Associates, Incorporated is looking forward to building upon an already successful relationship with the West Virginia General Services Division. We hope to work with the GSD and provide a restoration plan that will be more cost effective and energy efficient for the WV DNR office building. If you would like to further discuss this upcoming project, please contact me at (304) 296-8216 ext. 102.

Sincerely,

ALPHA ASSOCIATES, INCORPORATED



Richard Colebank, PE, PS
President and 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.



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. We approach each and every project with the guiding principle that buildings are designed to be livable and function in their intended purpose with reasonable maintenance. Neither the firm nor its professional engineers have ever faced disciplinary action in any form from the states in which they are registered.

*Over the past 15 years Miller Engineering, Inc. (MEI) has engineered solutions 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 10 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 facilities operations.

*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.*

Additional Benefits

- 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
- Interactive Solutions Provider
- 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 Plans
- Contract Administration
- Code Observation

Communication System

- Intercomm & Public Address
- Voice/Data/CATV

Energy

- Power Supply (Main/ Standby)
- Green & Renewable Consulting
- Systems Utilization & Upgrades
- Emergency Power systems

Facility Utilization

- Energy Conservation Projects
- Adaptive Re-use
- Planning/Life-Cycle Control
- Engineered Replacement
- Life Safety, Fire Alarm/ Sprinkler
- Access Control
- Emergency Response

Industry Experience

- Education
- Local & State Government
- Commercial Development
- Healthcare
- Department of Parks & Recreation
- Industrial



STATEMENT OF QUALIFICATIONS

Alpha Associates, Incorporated is an Architectural and Engineering design firm that provides services in the areas of Architectural Design, Civil Engineering, Structural Engineering, Landscape Design, Interior Design, Construction Administration, 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.

Since 1969, Alpha has provided architectural and engineering design services throughout the state of West Virginia. We have worked with many local, state, and federal government entities on numerous Building renovation projects of varying sizes and types. In this proposal, you will find examples that showcase the Alpha Team's exceptional project experience on similar type facilities.

For this project, Alpha has partnered with Miller Engineering to perform the mechanical and electrical designs. Alpha has a successful partnership with Miller Engineering that's developed over a decade and has included more than 100 projects. This successful history allows us to provide the West Virginia Purchasing Division with a cohesive team on this project.

Both Alpha and Miller have 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'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 the drawings and specifications that will deliver our clients successful projects, completed on time and within budget.

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

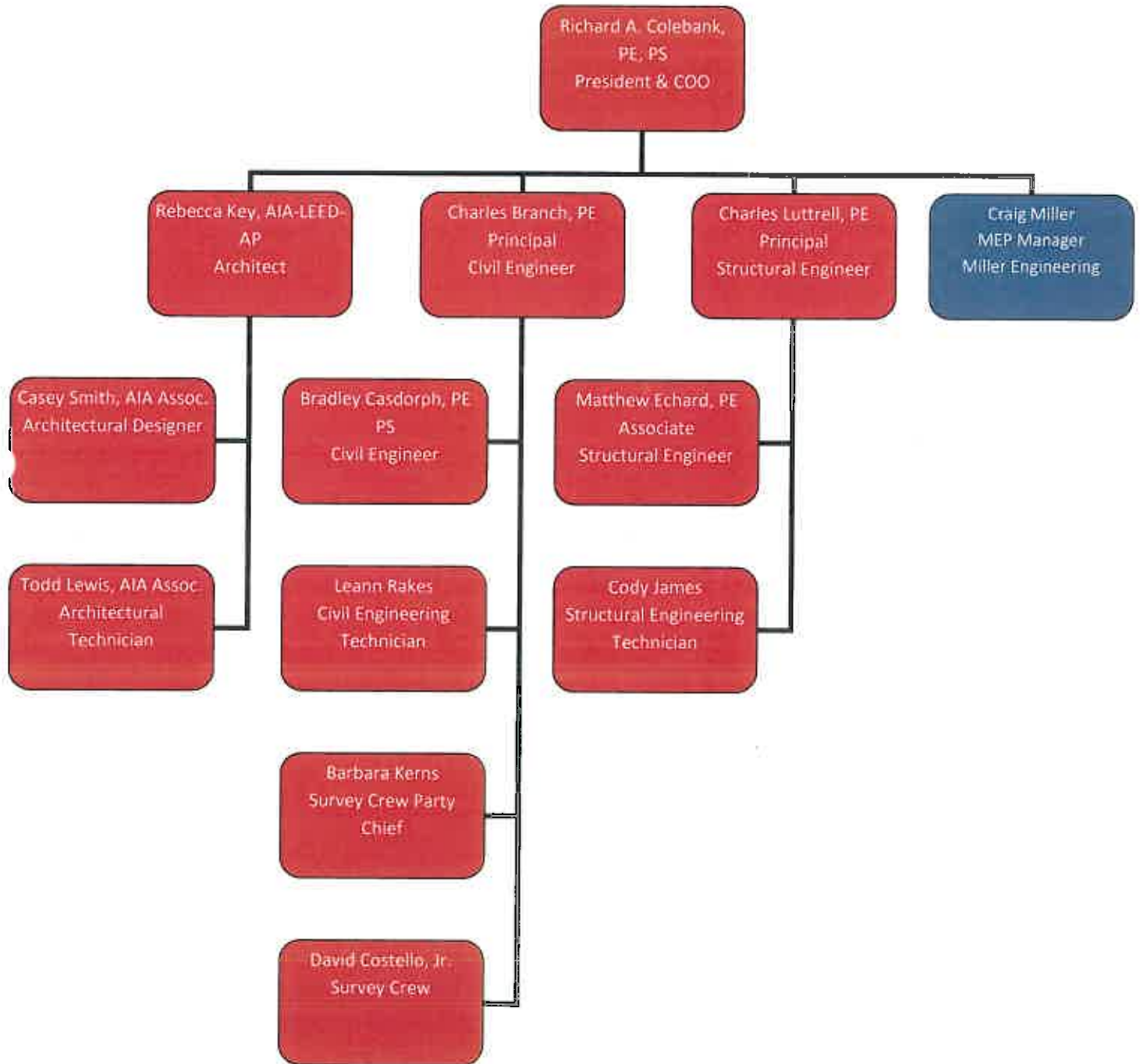


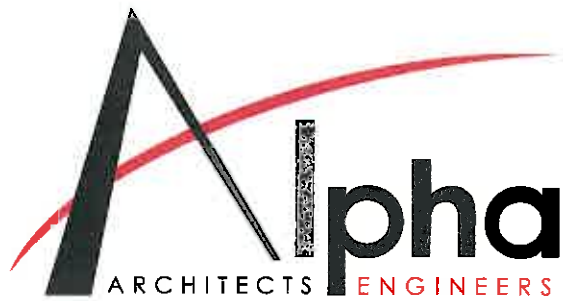
STAFFING PLAN

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



TEAM ORGANIZATION





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.

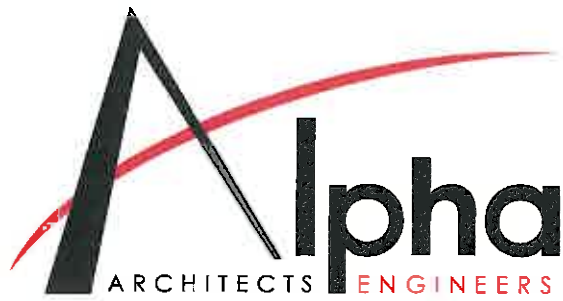
A project schedule is a dynamic, ever changing entity. Your project schedule depends on many factors including:

- 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

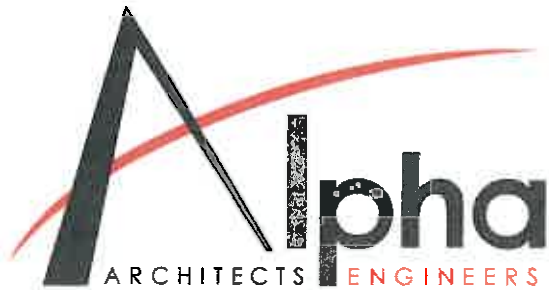
Capacity

Alpha Associates, Incorporated is prepared to commit staff resources to the Building 74 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 Natural Resources with a committed and dependable design team. Our multidisciplinary design team is prepared to meet and exceed the expectations of the State by committing any resources necessary to meet the project schedule.

Software

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

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



ALPHA RESUMES

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

SUMMARY

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



PROFILE

Broad-based responsibilities in the following areas:

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

PROFESSIONAL HIGHLIGHTS

Project Manager:

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

Indefinite Delivery/Indefinite Quantity Contracts:

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



ALPHA RESUMES

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

EMPLOYMENT HISTORY

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

EDUCATION

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

QUALIFICATIONS

- **License:** Professional Engineer: West Virginia, Maryland, Pennsylvania, Virginia

Professional Surveyor: West Virginia
Certified Private Pilot

AFFILIATIONS

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

think  first.com

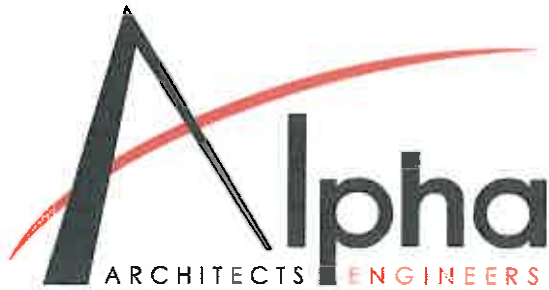
Contact

Richard A. Colebank

304.296.8216

800.640.8216

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

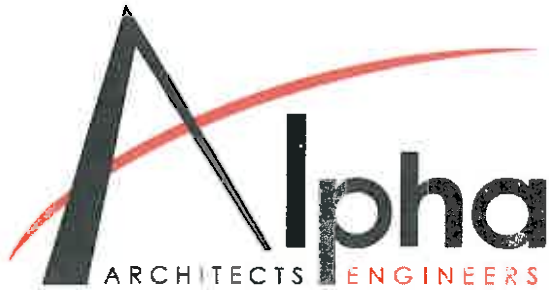
Broad-based responsibilities in the following areas:

- 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

think  first.com

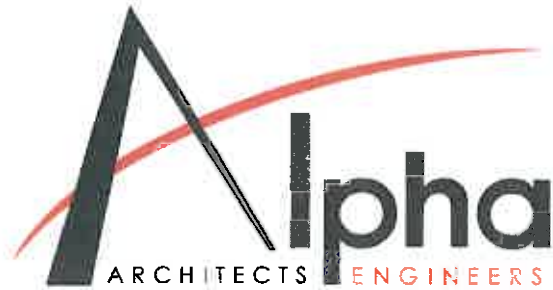
Contact

Charles B. Branch

304.296.8216

800.640.8216

chuck.branch@thinkalphafirst.com



ALPHA RESUMES

Charles B. Luttrell, PE | Principal, Structural Engineer

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.



PROFILE

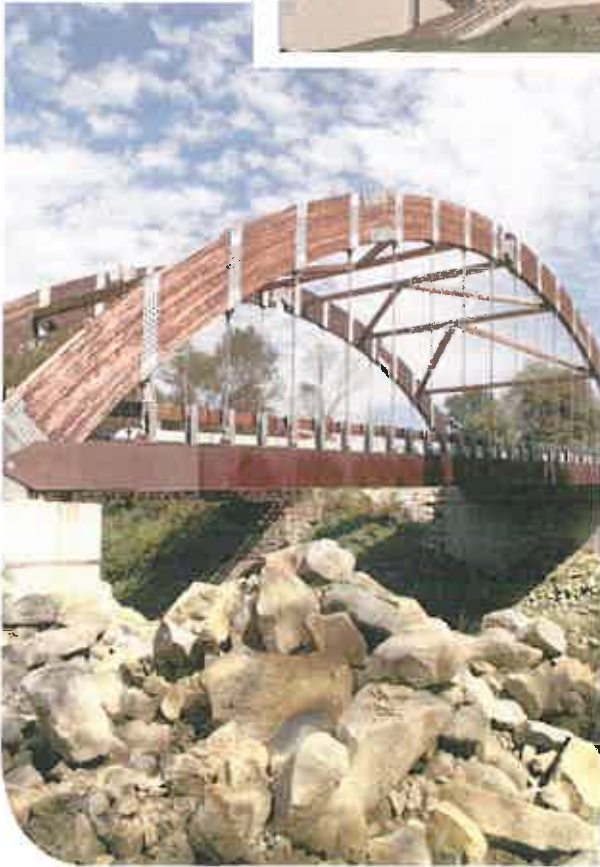
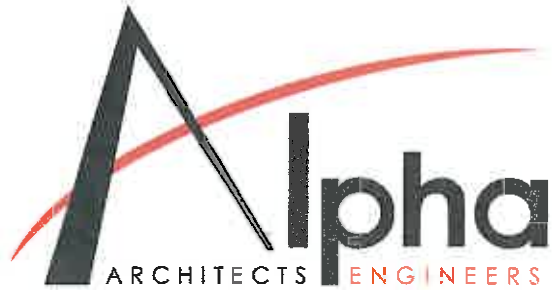
Broad-based responsibilities in the following areas:

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

PROFESSIONAL HIGHLIGHTS

Structural Engineer:

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



ALPHA RESUMES

Charles B. Luttrell, PE | Principal, Structural Engineer

EMPLOYMENT HISTORY

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

EDUCATION

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

QUALIFICATIONS

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

AFFILIATIONS

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

Research Experience

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

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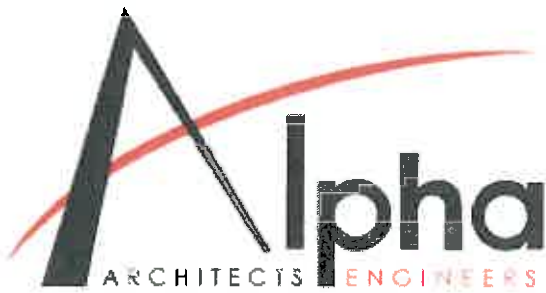
Contact

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

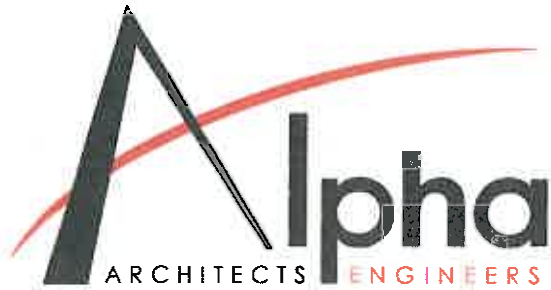


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Contact

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

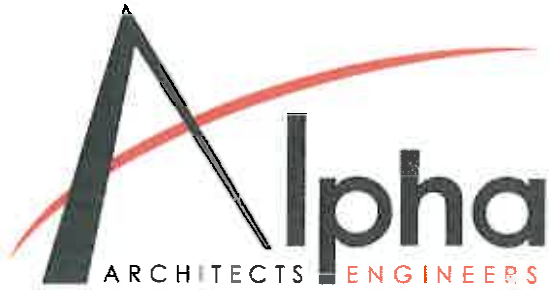
Broad-based responsibilities in the following areas:

- 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
- Davisson Estates - 60 Acre Subdivision; Morgantown, WV
- Mon General Hospital - East Parking Area; Morgantown, WV
- Applebee's Restaurant, Site Plan; Morgantown, WV
- WVU CPASS/Student Health; Morgantown, WV
- WVU Research Park- 100 Acre ALTA/ACSM Survey; Morgantown, WV
- WVU Museum; Morgantown, WV



ALPHA RESUMES

Bradley 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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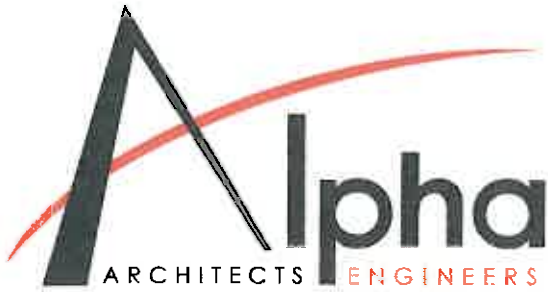
Contact

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

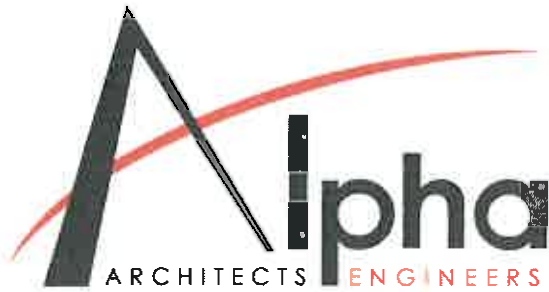
Broad-based responsibilities in the following areas:

- 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 Geilinger Composite Column Solution. Proceedings of ICSEA2010 - First International Conference on Structures and Architecture Guimarães, Portugal, July 2010, Taylor & Francis.
- Echard, M. Structural Analysis and Design Within a BIM Framework. EASEC 10 - East Asia Structural Conference, Bangkok, Thailand, August 2006.



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

- Bobtown Elementary HVAC
- Blackwater Falls State Park Lodge (Dining Room, 2nd Fl, Spa, Boiler)
- Hawks Nest/Twin Falls HVAC
- FMW Composites
- McKeever Lodge HVAC Piping
- Holly River State Park Primary Electric Service Replacements Phase I & II
- Building 36 HVAC Replacement
- Cheat Lake Elementary & Middle School Renovations
- Preston County 911

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. 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

- Suncrest Middle Gym HVAC
- Holly River State Park Primary Electric Service Replacements Phase I & II
- MHS Area 4 HVAC
- Glenville Water Plant
- Pipestem Lodge McKeever Lodge HVAC Piping Replacement
- Building 22 2nd Floor Renovations
- Building 36 HVAC Replacement
- Freedom Dealerships (Ford, Kia, Volkswagen)

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



Robert Angus

20 Years of maintenance, operations, and construction management precede Rob's engagement with Miller Engineering. Professional expertise of construction project management was gained as an owner of his own contracting company specializing in residential and commercial construction, electrical, plumbing, and HVAC projects. Rob's hands-on approach, common sense and valuable work history knowledge enables him to interface with construction personnel seamlessly alongside engineers and architects. He is adept at preventing and handling issues. Rob is involved at the estimation phase to allow for continuity within the project's design and construction.

Project Role: Construction Representative

- *Construction Project Representation and Management*
- *Construction Administration*
- *Project Cost Estimation*
- *Submittal Review*
- *RFI, RFPCO Review and Response*

Professional Project Highlights

- 3RD Party Construction Observation – Canaan Valley Resort
- Hawks Nest/Twin Falls HVAC
- FMW Composites
- Suncrest Middle School Gym HVAC Upgrade
- Freedom Dealerships (Ford, Kia, Volkswagen)
- Mapletown Jr./Sr. High School HVAC/Boiler Upgrade
- Dominion Post (Electrical, HVAC)

Professional History

2009- Present	Miller Engineering, Inc.	Aquatic Construction Representative
2000-2009	Angus Contracting, LLC	Owner/Operator
1991-2000	BOPARC	Director of Maintenance

Education

2000	Monongalia County Technical Education Center	Heating, Cooling, and Refrigeration Certification
1996	West Virginia University	Recreation and Parks Administration

Licenses and Certifications

- Licensed West Virginia General Contractor
- Licensed West Virginia HVAC Contractor
- Certified HVAC Mechanical Contractor
- Licensed West Virginia Journeyman Electrician
- Licensed West Virginia Master Plumber
- OSHA 10-Hour Construction Safety & Health



Jack Jamison

Jack brings over (20) years of experience in the commercial electrical construction field, and over (10) years as an electrical/building inspector. He is certified as a Master Code Professional and has many professional registrations and certifications. Jack also teaches code review classes throughout the year. Through his experience, he is familiar with many local and state code enforcement officials

Project Role: Code Professional

- Code Research
- Facilities & Project Evaluation
- Management of Project Observations
- Field Observations & Issue Resolutions

Professional Project Highlights

- Board Member of the WV Code Officials
- Founder and Secretary of the WV Division of the IAEI
- IAEI Ohio Chapter - Membership Chair

Professional History

2010-Present	Miller Engineering, Inc.	Code Professional
1999-2010	Megco Inspection	Chief Inspector
1972-1998	Jamison Electrical Construction	Electrician
1971-1972	General Electric	Inside Sales Engineer

Education

1971 Fairmont State College, BS Engineering Technology - Electronics

Licenses and Certifications

- Master Code Professional
- ICC Commercial Building, Building Plans, Commercial Plumbing, Residential Energy, and Accessibility Inspector/Examiner
- IAEI Master Electrical Inspector
- Certified WV Home Inspector
- Class C Electrical Inspector - WV, PA, MD, & OH
- WV Master Electrician License
- NCECO-1A, 2A, 3A, & 3A 1 & 2 Family Dwelling
- NCECO-2B, 2C, 4B, 4C, Electrical & Mechanical General/Plan Review
- OSHA 10 Hour Course - General Industry
- NFPA Code Making Panel 14 - NEC 2014 Edition



Joseph Machnik

Joe has extensive 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*

Professional Project Highlights

- Bobtown Elementary HVAC
- Suncrest Middle Gym HVAC
- MHS Area 4 HVAC
- North Elementary Boilers
- Freedom Dealerships (Ford, Kia, Volkswagen)
- Pipestem Lodge HVAC Piping Replacement
- Blackwater Falls Lodge (2nd Fl, Spa, Boiler)
- Cacapon Old Inn

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*



ALPHA EXPERIENCE

State Office Building | 2016

Architectural Case Study

West Virginia State Office Building
Clarksburg, WV

Alpha Associates, Incorporated provided architectural design, civil and structural engineering and surveying services for a new State Office Building in Clarksburg, WV. The building is designed as an 88,491 square foot; four story office building that will hold State agencies.

The structure is brick, and structure glazed brick, and concrete frame. The project incorporated traditional and non-traditional interior partitions for offices. The building faces East/West to provide maximum passive solar benefit for energy savings, through the design of the mechanical systems. The project will be applying for Silver Certification under LEED standards.

This project is currently going to construction and is estimated to be completed in 2016.

Project Contact:

Robert Krause
1900 Kanawha Blvd, East
Charleston, WV 25305
304-558-2317

At a Glance

CLIENT: State of West Virginia
LOCATION: Clarksburg, WV
COMPLETION DATE: 2016
SIZE: 88,491 sq. ft.
CONSTRUCTION COST: \$24.9 Million





ALPHA EXPERIENCE

WV Regional Tech Park Building 770 | 2015

Architectural Case Study

**WV Regional Tech Park-
Building 770 Renovation
South Charleston, WV**

Alpha Associates, Incorporated is currently working with HDR on the renovation of Building 770 at the WV Regional Tech Park in South Charleston. The project is the core and shell of a vacant and unoccupied laboratory building. Design work included the selective demolition and removal of HVAC, piping systems, and corridor ceilings. In addition, Alpha's team performed a full roof replacement, limited masonry work as it related to infill, repair of mortar joints, and structural settlement. Construction is currently underway for this project, and completion date was September of 2015.

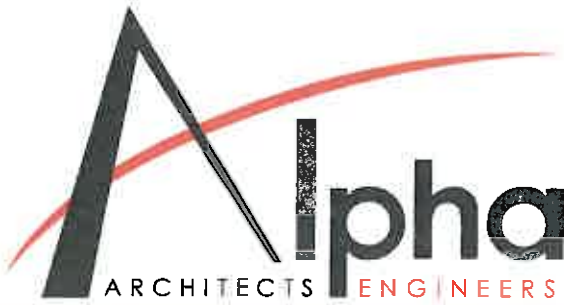
Project Contact:

**Jim King
1018 Kanawha Blvd., East
Charleston, WV 25301
304-558-0281**

At a Glance

**CLIENT: WVHEPC
LOCATION: South Charleston, WV
COMPLETION DATE: September 2015
SIZE: 128,900 Sq. Ft.
CONSTRUCTION COST: \$11.478 Million**





ALPHA EXPERIENCE

BSGG Professional Building | 2007

Architectural Case Study

BSGG Professional Building
Morgantown, WV

Alpha designed a Professional Medical Arts Building, anchored by Morgantown Dental Group with remaining areas developed as condominium style offices for other dental professionals. The other dental professionals will be "Referred" and "Preferred" professionals of Morgantown Dental Group.

Total area will be approximately 28000 sq. ft. Height 3 and a half stories, with the half story being a partial basement, for mechanical system, etc.

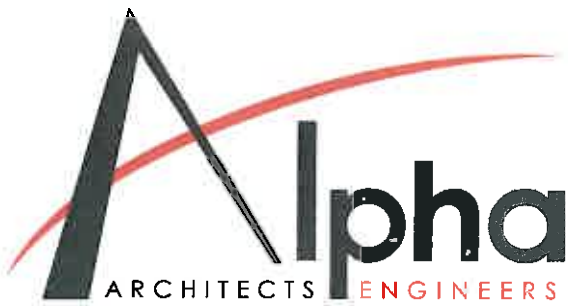
Project Contact:

Ed Hawkins
BSGG, LLC
142 High Street
Morgantown, WV 26505
304-292-7307

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At a Glance

CLIENT: BSGG, LLC
LOCATION: Morgantown, WV
COMPLETION DATE: Design: 2007; Multiple Phases
SIZE: 28,000 sq. ft.
CONSTRUCTION COST: \$4 Million



ALPHA EXPERIENCE

State Building 25 | TBD

Architectural Case Study

State of West Virginia Building 25
Exterior Evaluation and Design
Parkersburg, WV

The purpose of this project was to provide architectural and engineering design services to evaluate and design repairs for the exterior of Building 25 in Parkersburg, WV.

The design provided a systematic and comprehensive repair plan to the worn and damaged exterior of the building's Exterior Insulated Finish System and exterior painted surfaces. The project also consisted of a redesigned ADA compliant ramp and door entrance, and parking lot improvements.

Alpha teamed with Moisture Tech to determine the cause of massive moisture migration to the interior of the building.

Project Contact:

Melody Haynes
1900 Kanawha Blvd East
Bldg. 1, Room MB-60
Charleston, WV 25305
304-957-7173

At a Glance

CLIENT: State of West Virginia
LOCATION: Parkersburg, WV
COMPLETION DATE: TBD
SIZE: Exterior of Building
CONSTRUCTION COST: TBD





ALPHA EXPERIENCE

Interior Design | Office Space

Case Study-Office Spaces

Monongalia County Sheriff Office; WV State Office Building-Clarksburg

Office space conjures a series of offices, each with a door and desk and a chair. Sometimes, all that is required is space. Well thought out interior design allows the space to become user friendly. Beyond finishes and textures; the space; and how people use it and move through the area is further defined by the furnishings in place. In the modern office building, most are familiar with the terms; cube farm, open office, open concept, etc. In these open areas, acoustical privacy can be enhanced by the fabric textured panels that are part of the open office furnishings. (See lower left)

Office space also demands places for groups; large and small; to meet, discuss, argue and decide important matters of the day. Those spaces become conference rooms, class rooms, huddle spaces, etc. Those spaces function best when the furnishings are mobile. Tables and chairs can be rearranged for a formal conference setting, classroom lecture setting, etc. The conference room shown on the left side is furnished with chairs and tables that both are stackable and mobile with wheels.

Some office spaces demand custom creations from milled casework. The photo upper right shows, custom counters adapted to the configuration of the space, wrapping around a column, and providing an overhead hutch that accommodates the various forms, and books, etc. needed for the specific space.

Working with open office furnishings (see upper left) specific requirements; (in this case; providing a semi-private "report" space for local deputies) can be met; that would also allow future growth in the activity.

Interior designers involved with the furnishings and the finish selection, along with the architect can achieve a well-designed space that is coordinated with color, finish and texture, as well as be designed for the end user's needs.

Project Experience: HVAC Upgrade

Building 22 2nd Floor Upgrades

Charleston, WV

Services Provided:

- Mechanical
- Electric
- Telecommunications
- Construction Administration

Renovation Area: 7,400 sq ft

Contract Amount: \$398k

**Owner: State of West Virginia –
General Services Division**



West Virginia State Building 22 required renovations to the 2nd floor, which houses the state tax office. New mail processing equipment which have cooling, power, and data requirements were purchased by the state and the floor plan needed modifications. This building is an extremely high secure area. It houses the tax and revenue department for the State of WV. Approximately 2.5 million dollars is processed through this building daily. Miller Engineering, along with Montum Architecture designed the renovations to the 2nd floor to accommodate the changes needed. The existing space was served by a fan powered VAV AHU. The existing air distribution was modified to meet the requirements of the new floor plan. The processing room and server rooms, which require year round cooling, are being served with computer-room air conditioning (CRAC) units.

The revised floor plan called for modifications to the power and telecommunications layouts for the integrated furniture systems. The grounding and bonding systems for the server room were upgraded as well. This project was completed in April, 2018.

Project Contact:

*David Parsons, Operations and
Maintenance Manager
State Capitol, Room E-119
(304) 957-7122*

Project Experience: HVAC Upgrade

**West Virginia State
Building 36 (1 Davis Sq.)
Charleston, WV**

Services Provided:

- HVAC System Replacement
- Mechanical Piping
- Electric
- Construction Administration

Estimated Budget: \$2.1M

Facility Area: 58,400 ft²

**Owner: State of West Virginia –
General Services Division**



The 30-plus year old chiller serving Building 36 failed in the spring of 2016. MEI was retained to design the installation of a temporary rental chiller, which remains in service at this time. MEI was then retained to design a full HVAC retrofit to the building due to the condition of the air handlers, ductwork, VAV boxes, and associated systems. The building presented unique challenges as it was originally two buildings in which the common space was later in filled to create one building. The deck to deck heights in some areas are very limited, resulting in the need for accurate evaluation, design, and detailing in the construction documents. MEI designed a phased approach to accomplish the project. The phasing was developed directly with the owner to minimize the impact on the building occupants; who had to relocate to swing space phase by phase. Instead of just replacing the existing system in-kind, MEI designed a system utilizing three rooftop units ducted vertically through the building, which eliminates the sole source failures that have plagued the system for several years. The project was bid, before being put on hold by the owner.

Project Contact:
*David Parsons, Operations and
Maintenance Manager
State Capitol, Room E-119
(304) 957-7122*

Descriptions of Past Projects Completed – HVAC Renovation

Dominion Post – Greer Building

Morgantown, WV

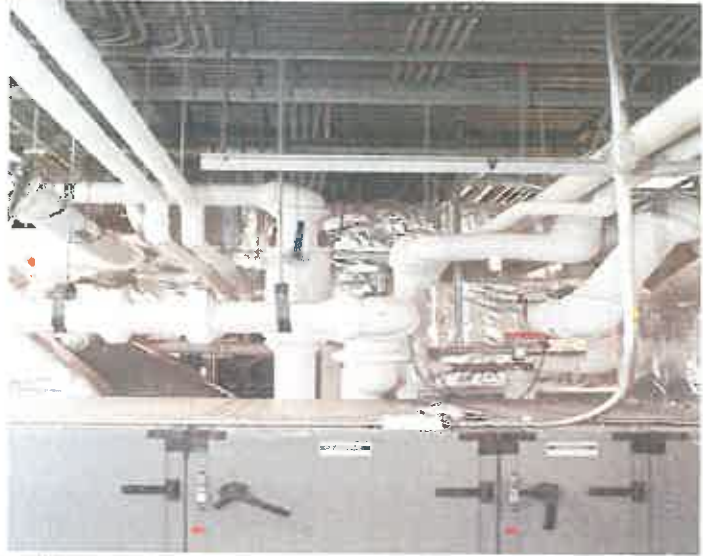
Services Provided:

- Field Study
- HVAC Upgrade
- Electrical
- Construction Administration

Estimated Budget: \$1.8M

Facility Area: 18,000 ft²

Owner: Greer Industries, Inc.



During a field study, Miller Engineering learned of HVAC system disintegration, interconnection of air systems between two levels of the building and the need for the facility to maintain occupancy during the renovation process. The goal of the project was to be a phased approach that integrated, updated and stabilized temperatures throughout the current floor plan, building levels and pending office reconfigurations. The main air handling systems, piping and ductwork were replaced and reconfigured as a necessity to serve the building's multiple levels and floor plan. The project was a success as a newly designed system was implemented into the existing floor plan and designed as scalable for future needs of the building's owner. Temperature control issues were resolved and the residents of the building could enjoy a more hospitable, consistent working environment. The Greer Building also serves as an emergency broadcast center for north central WV. MEI coordinated all aspects of construction with the owner to ensure there were no issues preventing the operation of the facility during construction.

Project Contact:

Chris Halterman, Director of Operations

Greer Industries, Inc.

Phone: (304) 376-2642



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

[Handwritten signatures]
D. R. [Signature] F. [Signature]
S. J. [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. 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 Capital 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

James J. [Signature]

Richard [Signature]

Blair S. [Signature]

William E. [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

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

Frank Gaddy

Secretary Kenneth H. Means

By Mount E. Jackson President

Phelan Smith



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 C. Lehard

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.

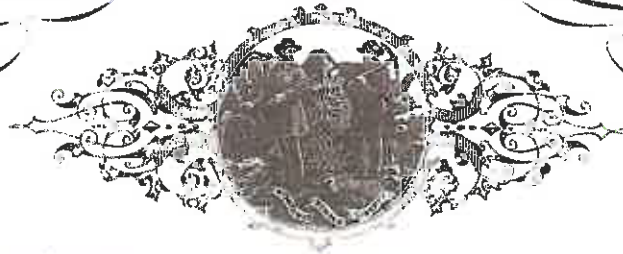


Given under the hand of the
Seal of the Board at the Capitol in the
City of Charleston,
This 17th day of August
in the year of our Lord 2012
and of the State
the One Hundred Forty-Ninth

Members of the Board

James D. Thomas, Jr. Richard E. Dignall
Bhajan S. Sahja William E. Diersen

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, 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 23th day of July in the year of our Lord One Thousand Nine Hundred and Ninety-nine and of the State the One Hundred Thirty-sixth.

STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS

Handwritten signatures: Frank Raddy, Wm. J. [unclear], 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, 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 COA
UNDER ITS SEAL AND SIGNED BY THE PRESIDENT OF SAID BOARD.

BOARD PRESIDENT



REFERENCES

Jim King

WV Higher Education Policy Council

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

Bill Clark, Executive Director

Region 9 Planning and Development Council

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

David Hildreth

State of West Virginia

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

Damien Davis, City Engineer

City of Morgantown

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

Brad Leslie

Division of Natural Resources

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

"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