



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. 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 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: 1143477
Procurement Type: Central Contract - Fixed Amt
Vendor ID: 000000201753
Legal Name: ALPHA ASSOCIATES INC
Alias/DBA:
Total Bid: \$0.00
Response Date: 01/05/2023
Response Time: 12:06
Responded By User ID: Alexis.Petrovsky
First Name: Alexis
Last Name: Petrovsky
Email: alexis.petrovsky@thinkalpha
Phone: 3042968216

SO Doc Code: CEOI
SO Dept: 0310
SO Doc ID: DNR2300000004
Published Date: 12/7/22
Close Date: 1/5/23
Close Time: 13:30
Status: Closed
Solicitation Description: A&E - Cacapon Resort New Bike Trails
Total of Header Attachments: 1
Total of All Attachments: 1

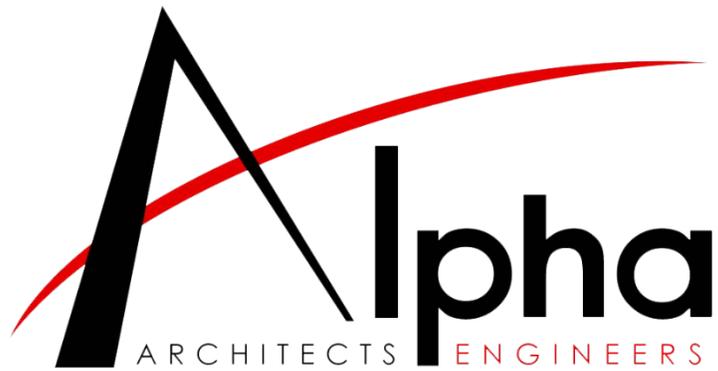
Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
1	Professional engineering services				0.00

Comm Code	Manufacturer	Specification	Model #
81100000			

Commodity Line Comments:

Extended Description:

Design and contract administration services of new bike trails at Cacapon Resort State Park.



EXPRESSION OF INTEREST

ARCHITECTURAL/ENGINEERING SERVICES

A&E CACAPON RESORT NEW BIKE
TRAILS

CEOI 0310 DNR2300000004

Submission Date: January 5, 2023



CONTACT

Address

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



Phone & Fax

Phone: 304-296-8216
Fax: 304-296-8245

Online

Email:
rick.colebank@thinkALPHAfirst.com

Website: www.thinkALPHAfirst.com



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

Proc Folder: 1143477			Reason for Modification:
Doc Description: A&E - Cacapon Resort New Bike Trails			
Proc Type: Central Contract - Fixed Amt			
Date Issued	Solicitation Closes	Solicitation No	Version
2022-12-07	2023-01-05 13:30	CEOI 0310 DNR2300000004	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, Incorporated

Address :

Street : 209 Prairie Avenue

City : Morgantown

State : WV **Country :** US **Zip :** 26501

Principal Contact : Charles Branch

Vendor Contact Phone: 304-296-8216 **Extension:** 115

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

Vendor Signature X  **FEIN#** 55-0516286 **DATE** 01/05/2023

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.

(Printed Name and Title) CHARLES B. BRANCH, SENIOR PRINCIPAL
(Address) 209 PRAIRIE AVE
(Phone Number) / (Fax Number) 304/296-8216 304/296-8216
(Email address) Chuck.Branch@thinkalphafirst.com

CERTIFICATION AND SIGNATURE: By signing below, or submitting documentation through wvOASIS, I certify that: I have reviewed this Solicitation/Contract 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/Contract 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 this bid or offer was made without prior understanding, agreement, or connection with any entity submitting a bid or offer for the same material, supplies, equipment or services; that this bid or offer is in all respects fair and without collusion or fraud; that this Contract is accepted or entered into without any prior understanding, agreement, or connection to any other entity that could be considered a violation of law; 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; and that pursuant to W. Va. Code 5A-3-63, the entity entering into this contract is prohibited from engaging in a boycott against Israel.

ALPHA ASSOCIATES, INC.
(Company)
Charles B. Branch
(Signature of Authorized Representative)
CHARLES B. BRANCH, SENIOR PRINCIPAL 1/5/2023
(Printed Name and Title of Authorized Representative) (Date)
304-296-8216 304-296-8216
(Phone Number) (Fax Number)
Chuck.Branch@thinkalphafirst.com
(Email Address)

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)

- | | |
|---|--|
| <input type="checkbox"/> Addendum No. 1 | <input type="checkbox"/> Addendum No. 6 |
| <input type="checkbox"/> Addendum No. 2 | <input type="checkbox"/> Addendum No. 7 |
| <input type="checkbox"/> Addendum No. 3 | <input type="checkbox"/> Addendum No. 8 |
| <input type="checkbox"/> Addendum No. 4 | <input type="checkbox"/> Addendum No. 9 |
| <input type="checkbox"/> Addendum No. 5 | <input type="checkbox"/> 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

C. B. BROWN

Authorized Signature

1/5/2023

Date

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

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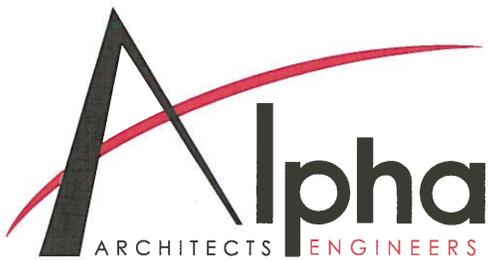
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January 5, 2023

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

Attn: Joseph Hager

RE: CEOI 0310 DNR2300000004 A&E – Cacapon Resort New Bike Trails

Dear Mr. Hager,

Alpha Associates, Incorporated is pleased to submit our qualifications to provide architectural and engineering services for the design of the new mountain bike trails at Cacapon Resort State Park in Morgan County, West Virginia. Our experience and our highly skilled staff, along with our prestige history make us the perfect partnering firm on this upcoming project.

Since 1969, Alpha has provided engineering services throughout the State of West Virginia from our two locations in both Morgantown and Martinsburg. Services for your project will be provided from our Morgantown Office. We have worked with many local, state and federal government entities on numerous projects of varying sizes and types.

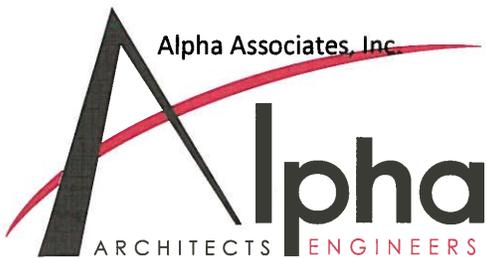
Design Team

Alpha is proud to promote that we are a West Virginia owned and operated engineering firm with a more than 52-year history throughout the State of West Virginia. Our 21-person professional staff includes architects, civil and structural engineers, surveyors, cost estimators, construction representatives, landscape designers, interior designers, and technicians. Talk about a house blend of skill. 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.

Revised 01/05/2023

209 Prairie Avenue / Morgantown, WV 26501-5934
304.296.8216 / 800.640.8216 / 304.296.8216 fax

think  Alpha first.com



Project Understanding

The WV DNR is seeking architectural and engineering services for a new and, approximately, 35 miles of diverse shared-use and mountain bike specific trails.

Summary

The Alpha Team is looking forward to furthering a successful relationship with the WV DNR and the State of West Virginia by providing excellent service at affordable costs. Our dedicated team of professionals will make your project a priority. If you would like to further discuss this upcoming project, please contact me at (304) 296-8216 ext. 115.

Sincerely,

ALPHA ASSOCIATES, INCORPORATED

A handwritten signature in blue ink, appearing to read 'Charles Branch', with a long horizontal flourish extending to the right.

Charles Branch, PE
Senior Principal
chuck.branch@thinkALPHAfirst.com

Revised 01/05/2023

209 Prairie Avenue / Morgantown, WV 26501-5934
304.296.8216 / 800.640.8216 / 304.296.8216 fax

think  first.com

WELCOME TO ALPHA ASSOCIATES, INC.

FIRM PROFILE

Contract Role: Prime
Architect & Engineer

Address
209 Prairie Avenue
Morgantown, West Virginia 26501

535 West King Street
Martinsburg, West Virginia 25401

Number of Employees
21

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

STATEMENT OF QUALIFICATIONS.

Alpha Associates, Incorporated is a West Virginia based architectural and engineering design firm that provides services in the areas of architectural design, interior design, construction administration, civil engineering, structural engineering, landscape design, project management and surveying. Our clients benefit from our unique combination of extensive design and construction experience, advanced technological tools, dedicated principals and highly skilled staff members. Our work is diverse and includes clients in commercial, educational and government facilities, developers and private organizations.

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 projects of varying sizes and types. Our team of engineering professionals has recent, relevant experience in the preparation of civil/site plans and infrastructure planning and design. In this proposal, you will find examples that showcase the Alpha Team's exceptional project experience on similar types of projects.

Alpha had 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 to 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 the projects from the earliest stages right through the 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 one (21) architects, engineers, surveyors and administration 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.

KEY PERSONNEL.

TO BE ASSIGNED TO YOUR PROJECT

All work performed for the Cacapon Resort State Park New Mountain Bike Trails will be managed out of Alpha's Morgantown office. In addition to your dedicated project team, Alpha's staff of 21 includes engineers, architects, architectural designers, technicians and support staff that are available to assist you with any potential project need. Charles "Chuck" Branch will serve as the day-to-day contact for the Project Team.



Richard A. Colebank
PE, President & COO
Principal in Charge



Rebecca Key
AIA, LEED AP
Director of Architecture



Charles Branch
PE, Senior Principal
Senior Civil Engineer



Charles Luttrell
PE, Senior Principal
Senior Structural Engineer



Matthew Echard
PE, Principal
Structural Engineer

MEET THE ALPHA TEAM.

MANAGERS

Richard W. Klein
PE, PS
Chairman & CEO

Richard A. Colebank
PE, PS
President & COO

ARCHITECTURE

Rebecca Key
AIA-LEED-AP
Director of
Architecture

Casey Smith
AIA Associate
Architectural
Designer

Todd Lewis
AIA Associate
Architectural
Technician

Alex Hail
Construction
Administration

CIVIL ENGINEERING

Charles Branch
PE, Senior Principal
Senior Civil Engineer

Bradley Casdorff
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

Alexis Petrovsky
Marketing Coordinator

Kim Coomler
Administrative Assistant

SCHEDULE AND BUDGET.

Alpha Associates, Incorporated has an excellent track record of producing projects on time and within the Owner's budgets. 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 regards to funds at the time. Alpha utilizes a number of tools, both traditional and modern to exceed our client's 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 had an excellent track record of meeting project 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 that had a construction cost in excess of \$20 million.

Successful Project management depends on consensus regarding work efforts, milestones and goals. The team had found 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 requires 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 negotiates, available fee, and experiences on similar projects. 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 works diligently to control the budget of the 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 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 enhances. During these updated estimated, specific increases or decreases can be identified allowing the owner to make informed decisions moving forward on 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.

OUR CAPABILITIES

Alpha Associates, Incorporated is prepared to commit staff and resources to your 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 you with a committed and dependable design team. Our multidisciplinary design team is prepared to meet and exceed the expectations for your project by committing any resources necessary to meet the project schedule.

USING THE LATEST SOFTWARE

The project team incorporates the latest computer and software capabilities required to complete the working drawings and specifications of 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:

- AutoCAD22
- 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



REBECCA KEY

AIA, LEED-AP; DIRECTOR OF ARCHITECTURE

☎ 304-296-8216 | 800-640-8216

✉ rebecca.key@thinkalphafirst.com

EMPLOYMENT HISTORY

2000-Current | Alpha Associates, Inc.
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: Maryland,
New York, Pennsylvania, Virginia,
Washington DC, West Virginia
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
Leadership Kanawha Valley
Class of 2014

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, Inc. 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.

PROFILE

Broad-based responsibilities in the following areas:

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

PROFESSIONAL HIGHLIGHTS

Education:
Ridgedale Elementary; Morgantown, WV
Mountaineer Middle School; Morgantown, WV
Pineville Elementary; Pineville, WV
Washington High School; Chares Town, WV
Historic Renovations:
Cass Scenic Railroad- Clubhouse Renovation; Cass, WV
Berkeley Springs Bathhouse; Berkeley Springs, WV
Hawks Nest State Park Picnic Pavillion; 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 Apartments
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



CHARLES B. BRANCH

PE; SENIOR PRINCIPAL & CIVIL ENGINEER

☎ 304-296-8216 | 800-640-8216

✉ 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



EMPLOYMENT HISTORY

2016-Current | Alpha Associates, Inc.
2010-2015 | Echard ingenieurBüro
2006-2009 | Buro Happold Consulting Engineers
2003-2006 | Risa Technologies, Inc.
200-2003 | Zaldastani Associates, Inc.

EDUCATION

Massachusetts Institute of Technology
Masters- Engineering & Environmental
Mechanics, 2002

West Virginia University
Bachelors of Science- Civil Engineering,
2000

QUALIFICATIONS

License: Professional Engineer:
West Virginia, California

California OES SAP Evaluator

AFFILIATIONS

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

PUBLICATIONS

Echard, M. and Tonis, D. Convergent Design
Methodology for Bio-Science Labs:
Architectonic and Performative Structural
Considerations Using the Geillinger Composite
Column Solution. Proceedings of ICSA2010-
First International Conference on Structures and
Architecture Guimaraes, 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

MATTHEW T. ECHARD

PE; PRINCIPAL & STRUCTURAL ENGINEER

 304-296-8216 | 800-640-8216
 matthew.echard@thinkalphafirst.com

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 Mid-West, Mr. Echard returned to West Virginia to provide world-class service in a historically unreserved region while making positive contributions to his home state. Mr. Echard places a large value on 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.

PROFILE

Broad-based responsibilities in the following areas:

- Structural Engineering & Forensics
- Design Management
- Construction Optimization
- New Business & Client Development

Current research area(s):

- Next-generation sustainability strategies in design and construction

PROFESSIONAL HIGHLIGHTS

Pedestrian Bridges:

- Coopers Rock Overlook Bridge Replacement; Monongalia Co., WV
- Deckers Creek Rail-Trail, Greenmont Pedestrian Bridge; Morgantown, WV
- Harvard Allston Science Complex (HASC); *Harvard University*, Allston, Boston, MA*
- Pedestrian Bridges & Wintergardens

Buildings:

- Burj Daman (60 stories); DIFC, Dubai, UAE*
- Columbus Center Parcel 16 (34 stories); Boston, MA*
- Continuities of the Incomplete, *Museum of Modern Art (MOMA)*; Los Angeles, CA*
- Falmouth High School Renovations and New Gymnasium; Falmouth, MA*
- HASC Building 1 (8 stories); *Harvard University*, Allston, Boston, MA*
- Herb Alpert Educational Village, Capshaw-Spielberg Center for Educational Justice, Performing Arts and Leadership Center; Santa Monica, CA*
- Hotel America (55 stories); Dubai, UAE*
- King Abdullah Financial District (KAFFD); Riyadh, Saudi Arabia*
Parcels 2.09, 2.14 (26 stories), and 4.07/4.08 (40 stories)
- Logan Airport Central Parking Garage and Expansion; Boston, MA*
- ND Paper Hydrapulper Expansion, Fairmont, WV
- TAJ Mall; Abdoun, Amman, Jordan*
- UCLA Sproul Hall, Cove & Landing Residences (8 stories); Westwood, Los Angeles, CA*
- WVDOH District 7 Multi-purpose and Lab Buildings; Roanoke, WV

*project experience at previous firm

CITY OF BELINGTON PEDESTRIAN TRAIL PROJECT

Morgantown, WV; 2013



At a Glance:

CLIENT: City of Belington
LOCATION: Belington, WV
COMPLETION DATE: 2013
SIZE: 2,670 LF, 6' Wide

Project Contact:

Katie Wolpert
315 Crim Avenue
Belington, WV 26250
304-823-1611

Alpha provided design and permitting services for a 2600 linear foot pedestrian trail along the Tygart Valley River between the City Park and Downtown Belington.

The Trail is a 2,670 LF and 6' wide, crushed stone pedestrian trail and included earthwork, grouted riprap, safety railing, as well as bikeway railings and related appurtenances.

This project was funded by the West Virginia Division of Highways Transportation Enhancement Program.



RAINELLE RECREATION CORRIDOR

Rainelle, WV; 2020



At a Glance:

CLIENT: Town of Rainelle
LOCATION: Rainelle, WV
COMPLETION DATE: 2020
CONSTRUCTION COST: \$117,000

Project Contact:

Patricia Church
Town of Rainelle
1233 Kanawha Ave
Rainelle, WV 25962
304-428-7191

Alpha Associates was tasked with designing an approximately 2000 foot long walking path in the Town of Rainelle. The path was constructed to reduce the removal of trees and other large vegetation, while still providing a highly walkable trail, which can be easily maintained by the Town Staff.

The trail was constructed on rugged terrain, following the US Forest Department Guidelines, and construction utilized existent timber haul roads to the greatest extent possible.

The corridor was constructed using Department of Transportation Trail grants.



NORTH FORK HUGHES RIVER RECREATIONAL DESIGN

Ritchie County, WV; 2009



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

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 Distributor
- Navigational Aids
- Camping Areas
- Picnic Areas
- Sports Fields
- Roadways
- Maintenance Building
- Sewage Collection and Treatment



WEST FAIRMONT RAIL TRAIL EXPANSION

Fairmont, WV; 2010



At a Glance:

CLIENT: City of Fairmont
LOCATION: Fairmont, WV
COMPLETION DATE: 2010 SIZE: 2.73
Miles
CONSTRUCTION COST: \$1,104,959

Project Contact:

Jay Rogers
200 Jackson St.
Fairmont, WV 26554
304-366-6211

Alpha has completed preliminary engineering and design for the West Fairmont Rail Trail in Fairmont, West Virginia. This proposed trail runs from the northern terminus of the West Fork River Trail to the proposed pedestrian bridge in downtown Fairmont.

The City of Fairmont received funding from the WV Department of Transportation's, Transportation Enhancement Grant program for preliminary engineering and property acquisition for the proposed trail. Alpha conducted field reconnaissance, design studies and some land surveying to lay out the alignment of the proposed trail.



ELKINS COAL AND COKE BUILDING

Masontown, WV; 2018



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

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.





TRAIL RELATED EXPERIENCE

Hazel Ruby McQuain Riverfront Park Amphitheater Restroom Building, Morgantown, WV

Alpha Associates, Incorporated provided Architectural and Engineering design services for a restroom facility for the Riverfront Park in Morgantown. The facility included accessory mounting heights to meet ADA requirements, including soap dispensers, waste receptacles and towel dispensers located at ADA required 40 inches above the floor. Grab bars and door openings for compartments to be handicapped accessible were also included. The project was designed to be used year round with the ability to drain and winter proof the facility.



The project was part of an improvement to the Hazel Ruby McQuain Riverfront Park. The \$550,000 project was completed in 2002 for the City of Morgantown.

Elkins Coal and Coke Building Restroom Facility for Decker's Creek Rail Trail, Masontown, WV

Alpha Associates, Incorporated is currently providing design services for the renovation of the Elkins Coal and Coke Building in Masontown, WV. The building is in disrepair and will be renovated to become a restroom facility for the Decker's Creek Rail Trail. The existing building was constructed in 1907 and currently has severe roof problems with the structure being exposed to the weather. The entire roof structure will be replaced with the existing slate to be salvaged for use on the renovated building.





Kern Valley Railroad Corridor Trailhead and Trail in Preston County, WV

Alpha is currently providing design services for this trail known as the Kern Valley Railroad Corridor. The trail is approximately 10 miles in length and follows WV State Route 26 beginning in Kingwood and continuing to the Community of Tunnelton. Also known as the Northern West Virginia Railroad, the current trail has not been used in many years and portions will need significant improvements in both the base and the drainage. The intent is to utilize the available funding to construct a trailhead and as much trail as feasible.

Pedestrian Bridge across Decker's Creek, Monongalia County, WV

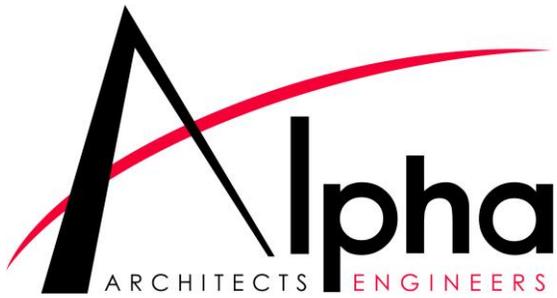
Alpha Associates, Incorporated is providing design services for a new Pedestrian Bridge across Decker's Creek which will connect the Decker's Creek Rail Trail to the parking area near Kingwood Street on the south side of Decker's Creek in Morgantown, WV. The project will provide a bridge of 8 to 10 feet in width depending on budget, either an asphalt or concrete of aggregate connecting trail, bollards and trail signage.

Rainelle Recreation Corridor, Greenbrier County, WV

Alpha Associates, Incorporated is providing design services for a pedestrian trail project in Rainelle, WV. Alpha is providing preliminary design, environmental documentation and permitting, final design and construction phase services for this project. The trail will be located on the south side of the public golf course beginning at a parking lot at the cemetery and run generally westward meandering through the wooded area on that south side, and end near the golf course cart path leading down to the golf course clubhouse.

Belington Pedestrian Trail, Belington, WV

Alpha provided design and permitting services for a 2600 linear foot pedestrian trail along the Tygart Valley River between the City Park and Downtown Belington. The Trail will be 6' wide and include safety railing.



West Fairmont Rail Trail Extension, Fairmont, WV

Alpha has completed preliminary engineering and design for the West Fairmont Rail Trail in Fairmont, West Virginia. This proposed trail runs from the northern terminus of the West Fork River Trail to the proposed pedestrian bridge in downtown Fairmont.

The City of Fairmont received funding from the WV Department of Transportation's, Transportation Enhancement Grant program for preliminary engineering and property acquisition for the proposed trail.

Alpha conducted field reconnaissance, design studies and some land surveying to lay out the alignment of the proposed trail.

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*

*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:*

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.

A handwritten signature in black ink, appearing to read "Bryan S. Caldwell".

BOARD PRESIDENT

HEAR FROM OUR CLIENTS.

“Alpha Associates is one of the best architectural, engineering, and surveying firms we have dealt with. I commend them for their design excellence and professionalism. They are an easy company to work with, **creative and innovative** in their approach, and always available to answer questions.”

**Frank Blackwell,
Wyoming County Schools**

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

**Robert Hammel
Former Director
Morgantown Municipal Airport**

“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**

References

Mr. Brad Leslie, WV Park and Recreation Division of Natural Resources

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

Drew Gatlin, City of Morgantown

389 Spruce Street
Morgantown, WV 26505
e = jgatlin@morgantown.gov

**David Hildreth
State of West Virginia**

1049 Greenbrier Street
Charleston, WV 25305