



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

Request for Quotation

RFQ NUMBER
DCH12070

PAGE
1

ADDRESS CORRESPONDENCE TO ATTENTION OF:
**SHELLY MURRAY
 304-558-8801**

VENDOR
 *709042225 304-296-8216
 ALPHA ASSOCIATES INC
 209 PRAIRIE AVE STE 209
 MORGANTOWN WV 26501

SHIP TO
 DIVISION OF CULTURE & HISTORY
 CULTURAL CENTER
 1900 KANAWHA BOULEVARD, EAST
 CHARLESTON, WV
 25305-0300 558-0220

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
01/25/2012				

BID OPENING DATE: **02/09/2012** BID OPENING TIME **01:30PM**

LINE	QUANTITY	UOP	CAT NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
0001	1	LS		906-00-00-001		
<p>EXPRESSION OF INTEREST</p> <p>THE WEST VIRGINIA PURCHASING DIVISION, FOR THE AGENCY, THE WEST VIRGINIA DIVISION OF CULTURE & HISTORY, IS SOLICITING EXPRESSION OF INTERESTS FOR PROFESSIONAL ARCHITECTURAL AND ENGINEERING SERVICES FOR THE REPAIR OF THE WATERPROOFING SYSTEM AT THE CULTURAL CENTER LOCATED IN CHARLESTON, WV PER THE ATTACHED SPECIFICATIONS.</p> <p>ARCHITECT/ENGINEERING SERVICES, PROFESSIONAL</p> <p>LIFE OF CONTRACT: THIS CONTRACT BECOMES EFFECTIVE ON AWARD AND EXTENDS FOR A PERIOD OF ONE (1) YEAR OR UNTIL SUCH "REASONABLE TIME" THEREAFTER AS IS NECESSARY TO OBTAIN A NEW CONTRACT OR RENEW THE ORIGINAL CONTRACT. THE "REASONABLE TIME" PERIOD SHALL NOT EXCEED TWELVE (12) MONTHS. DURING THIS "REASONABLE TIME" THE VENDOR MAY TERMINATE THIS CONTRACT FOR ANY REASON UPON GIVING THE DIRECTOR OF PURCHASING 30 DAYS WRITTEN NOTICE.</p> <p>UNLESS SPECIFIC PROVISIONS ARE STIPULATED ELSEWHERE IN THIS CONTRACT DOCUMENT BY THE STATE OF WEST VIRGINIA, ITS AGENCIES, OR POLITICAL SUBDIVISIONS, THE TERMS, CONDITIONS, AND PRICING SET FORTH HEREIN ARE FIRM FOR THE LIFE OF THE CONTRACT.</p> <p>RENEWAL: THIS CONTRACT MAY BE RENEWED UPON THE MUTUAL WRITTEN CONSENT OF THE SPENDING UNIT AND VENDOR,</p>						

JAN 31 2012

RECEIVED

FEB -8 A 11:28

PURCHASING DIVISION
 STATE OF WV

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE <i>[Signature]</i>	TELEPHONE 304-296-8216	DATE 02-07-12
TITLE President and COO	FEIN 55-0516286	ADDRESS CHANGES TO BE NOTED ABOVE

WHEN RESPONDING TO RFQ, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'



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

Request for Quotation

RFQ NUMBER
DCH12070

PAGE
2

ADDRESS CORRESPONDENCE TO ATTENTION OF
SHELLY MURRAY 304-558-8801

VENDOR

*709042225 304-296-8216
 ALPHA ASSOCIATES INC
 209 PRAIRIE AVE STE 209
 MORGANTOWN WV 26501

SHIP TO

DIVISION OF CULTURE & HISTORY
 CULTURAL CENTER
 1900 KANAWHA BOULEVARD, EAST
 CHARLESTON, WV
 25305-0300 558-0220

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
01/25/2012				

BID OPENING DATE: 02/09/2012 BID OPENING TIME 01:30PM

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
<p>SUBMITTED TO THE DIRECTOR OF PURCHASING THIRTY (30) DAYS PRIOR TO THE EXPIRATION DATE. SUCH RENEWAL SHALL BE IN ACCORDANCE WITH THE TERMS AND CONDITIONS OF THE ORIGINAL CONTRACT AND SHALL BE LIMITED TO TWO (2) ONE (1) YEAR PERIODS.</p> <p>CANCELLATION: THE DIRECTOR OF PURCHASING RESERVES THE RIGHT TO CANCEL THIS CONTRACT IMMEDIATELY UPON WRITTEN NOTICE TO THE VENDOR IF THE COMMODITIES AND/OR SERVICES SUPPLIED ARE OF AN INFERIOR QUALITY OR DO NOT CONFORM TO THE SPECIFICATIONS OF THE BID AND CONTRACT HEREIN.</p> <p>BANKRUPTCY: IN THE EVENT THE VENDOR/CONTRACTOR FILES FOR BANKRUPTCY PROTECTION, THE STATE MAY DEEM THE CONTRACT NULL AND VOID, AND TERMINATE SUCH CONTRACT WITHOUT FURTHER ORDER.</p> <p>ANY INDIVIDUAL SIGNING THIS BID IS CERTIFYING THAT: (1) HE OR SHE IS AUTHORIZED BY THE BIDDER TO EXECUTE THE BID OR ANY DOCUMENTS RELATED THERETO ON BEHALF OF THE BIDDER, (2) THAT HE OR SHE IS AUTHORIZED TO BIND THE BIDDER IN A CONTRACTUAL RELATIONSHIP, AND (3) THAT THE BIDDER HAS PROPERLY REGISTERED WITH ANY STATE AGENCIES THAT MAY REQUIRE REGISTRATION.</p> <p style="text-align: center;">NOTICE</p> <p>A SIGNED BID MUST BE SUBMITTED TO:</p> <p style="text-align: center;">DEPARTMENT OF ADMINISTRATION PURCHASING DIVISION BUILDING 15 2019 WASHINGTON STREET, EAST CHARLESTON, WV 25305-0130</p>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE	TELEPHONE 304-296-8216	DATE 02-07-12
TITLE President and COO	FEIN 55-0516286	ADDRESS CHANGES TO BE NOTED ABOVE

WHEN RESPONDING TO RFQ, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'

STATE OF WEST VIRGINIA
Purchasing Division

PURCHASING AFFIDAVIT

West Virginia Code §5A-3-10a states: 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 the debt owed is an amount greater than one thousand dollars in the aggregate.

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.


"Debtor" means any individual, corporation, partnership, association, limited liability company or any other form or business association owing a debt to the state or any of its political subdivisions. "Political subdivision" means any county commission; municipality; county board of education; any instrumentality established by a county or municipality; any separate corporation or instrumentality established by one or more counties or municipalities, as permitted by law; or any public body charged by law with the performance of a government function or whose jurisdiction is coextensive with one or more counties or municipalities. "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 exceed five percent of the total contract amount.

EXCEPTION: The prohibition of this section does not apply where a vendor has contested any tax administered pursuant to chapter eleven of this 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.

Under penalty of law for false swearing (*West Virginia Code §61-5-3*), it is hereby certified that the vendor affirms and acknowledges the information in this affidavit and is in compliance with the requirements as stated.

WITNESS THE FOLLOWING SIGNATURE

Vendor's Name: Alpha Associates, Incorporated

Authorized Signature:  President Date: 2-7-2012

State of West Virginia

County of Monongalia, to-wit:

Taken, subscribed, and sworn to before me this ___ day of _____, 20__.

My Commission expires _____, 20__.

AFFIX SEAL HERE

NOTARY PUBLIC _____



February 9, 2012

Purchasing Division
2019 Washington Street, East
P.O. Box 50130
Charleston, WV 25305-0130

Attention: Ms. Shelly Murray

**RE: DCH12070 – Architectural/Engineering Services
Repair of the Waterproofing System at the Cultural Center**

Dear Ms. Murray

Alpha Associates, Incorporated is pleased to submit this Expression of Interest for consideration as the architect/engineer to provide Investigation, Design, Quality Assurance and Construction Management Services to address issues with the exterior waterproofing system for the lower level of the Culture Center located in Charleston, WV. Alpha will prove to be an exceptional partner for you throughout the investigation, design, and renovation.

Alpha has provided architectural and engineering design services throughout the state of West Virginia since 1969. Over the past 43 years Alpha has completed numerous site and building evaluations, as well as hundreds of renovations and new construction projects.

Alpha is a West Virginia owned and operated design firm offering a full range of design services, including architectural design, civil and structural engineering, interior design, landscape design, surveying, and construction administration.

The design staff for your project will be led by talented architects and engineers with recent, relevant experience. Your project will be managed and produced in Alpha's Corporate Office located in Morgantown, WV. You will have a team of professionals who will be dedicated to the success of your project. Resumes for these key personnel are included herein.

This project is a perfect fit for our team. We have the ability to handle the investigation, design and renovation of the Culture Center Repairs in its entirety. Our quality work, professionalism and dedication are unparalleled among our competitors. We are ready to begin work immediately.

Sincerely,

ALPHA ASSOCIATES, INCORPORATED

A handwritten signature in blue ink, appearing to read 'Richard A. Colebank', is written over a white background.

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

Maintaining a moisture free environment is important in any building, but when dealing with a museum it becomes critical to protect priceless artifacts.

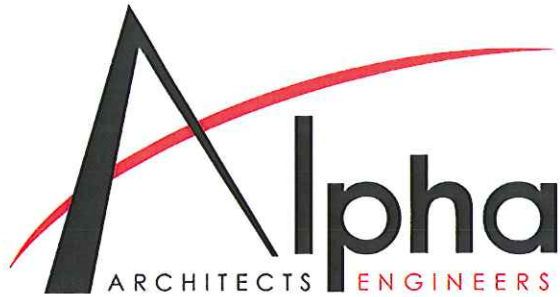
The “basement” or underground portion of a building should function the way a ship displaces water, or another way of thinking about it would be to take a bathtub and sink it into the ground. While a bathtub is often thought of a vessel to hold water, if it were sunk into the ground, it would also keep groundwater out of the tub. So to effectively keep ground or surface water out of the basement, you want to displace the water around it through the use of foundation drains; and “seal” the basement (tub) against any ground water that may be present through a high water table.

Since 1975 great strides in waterproofing/dampproofing have been created through the use of heavy mil vapor barriers in combination with waterproofing mastic. There are also chemical treatments that can change the molecular structure of the foundation walls, so that there are no more microscopic holes in the concrete which allow moisture to infiltrate through capillary action.

The five most important qualities of a vapor barrier are:

- Low permeability
- Longevity (will not decompose, become brittle or otherwise degraded)
- Puncture resistance
- Installation Efficiency
- Price

New construction is able to take advantage of the new products on the market and design the appropriate systems into the initial building construction. Renovations and retrofit is more difficult to solve without incurring the steep price of excavation. Many solutions on the market advertise how they can circumvent the steep price of excavation and provide interior drain systems that magically drain the water away. The water is still there, it is however, concealed from view. So while the problem has disappeared from view, what has been done to correct the underlying issue of keeping the water out of the building?



Once an owner is committed to eliminating the underlying issue, then price becomes a secondary issue. The priority at this point is finding the correct solution that will stand the test of time.

A thorough evaluation of all previously "failed" attempts to mitigate the water infiltration into the building will be completed.

If the assumption of the lack of a foundation drain is correct, then Subsequent subterranean investigation may not be necessary. If the lack of a foundation drain is still in doubt then additional subterranean investigation may be required.

Moisture tests and provisional exploratory chemical treatments may also be part of the recommendation.

Ultimately, treat the building as a newly constructed building, excavating the entire perimeter of the below grade area. Providing the absent foundation drains, waterproofing and vapor barriers may be the ultimate solution, albeit the most expensive. However, having a useable level underground that keeps the water out may make the next 40 years in the building much more desirable.



FIRM PROFILE 4.2.2



Firm Profile

FIRM NAME

Alpha Associates, Incorporated

CORPORATE OFFICE

209 Prairie Avenue
Morgantown, West Virginia 26501

EASTERN REGIONAL OFFICE

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
James A. Davison, AIA; Vice President
Charles B. Luttrell, PE; Principal
Steven V. Buchanan, PE, PS; Principal
Matthew S. Breakey, AIA, LEED-AP; Principal
Charles B. Branch, PE; Principal

NUMBER OF EMPLOYEES

34 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.

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

Developing an overall project schedule is a critical task that must take into account many factors: building type, owner's desire for occupancy, scope of work and level of documentation, whether contract(s) is bid or negotiated, available fee, and prior experiences on similar projects.

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. It is anticipated that the schedule will go as followed:

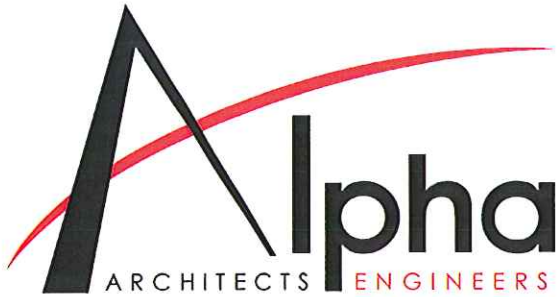
Culture Center Exterior Repairs Key Phases and Schedule:

- 1) Initial Kick-off meeting at site to review Program and Schedule with Stake Holders/Owner (Within 1 week of Notice to Proceed)
- 2) Establish Schedule with Dates assigned (1 Week)
- 3) Assessment of Below Grade Building Condition (2 Weeks)
 - a. Physical on-site inspection
 - b. Review of existing documents if any
 - c. Measurements and/or verification of measurements to reflect actual conditions in field.
 - d. Arrange for moisture tests of wall condition, if warranted.
- 4) Establish conclusions and recommendations based upon observations from inspections of existing conditions. (2 Weeks)
 - a. How to repair/replace drainage system and waterproofing system
- 5) Meeting with stakeholders/Owner (1 Week)
 - a. Determine direction of repairs
 - b. Establish phases if necessary
 - c. Establish probable estimate of costs



- 6) Obtain approval from Stake holders to proceed to Construction Document Phase. (1 Week)
- 7) Provide written and graphic documents. (6 Weeks)
 - a. Illustrating extent of replacement, repair and constructions of elements determined from above.
 - b. Documents shall be of sufficient quality to seek competitive bids for the established Scope of Work.
 - c. Update probable Estimate of Cost based upon Construction Documents.
- 8) Assist stakeholders in Bidding and Negotiation. (4 Weeks)
- 9) Provide Construction review Administration during term of construction, representing the Stakeholders/Owner's interest. (To be determined)

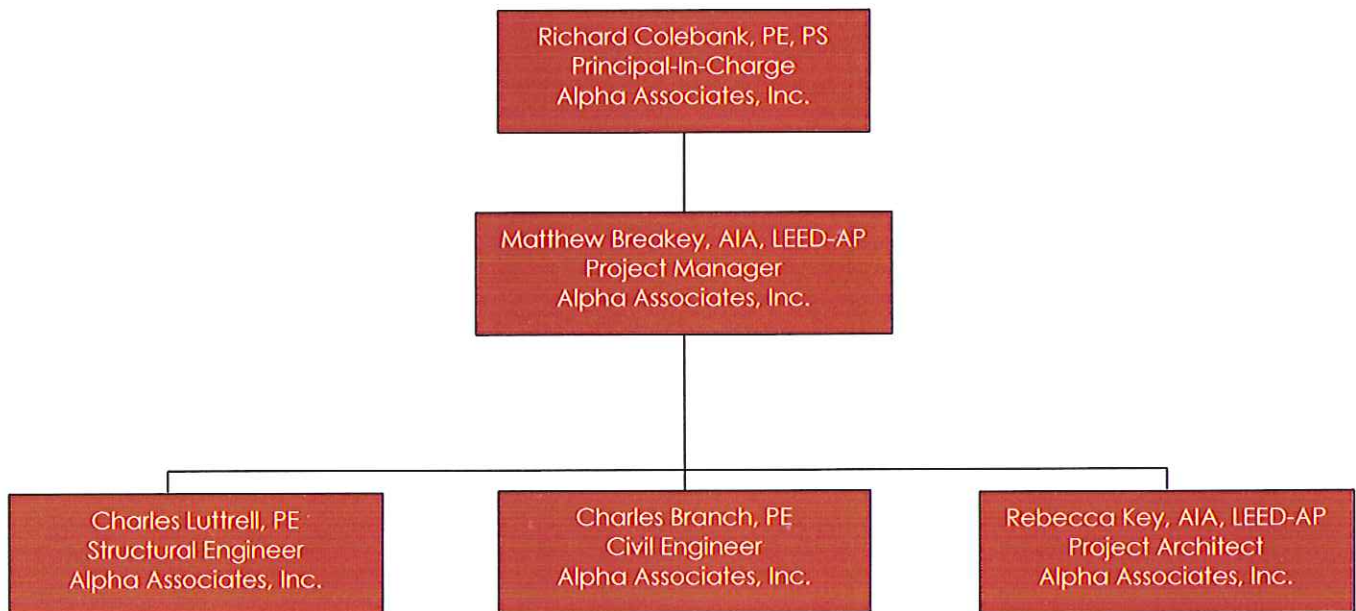
The above work will be completed within the 120 day timeframe that is required as set forth in the Request for Quotation.



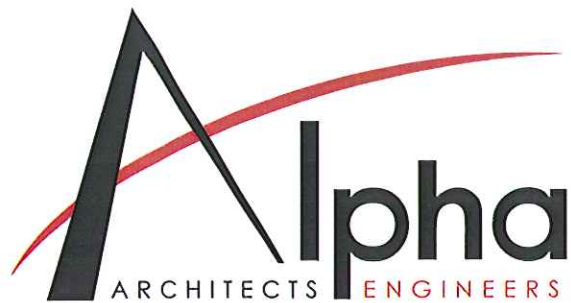
STAFF ORGANIZATION

Contact Person: Richard A. Colebank, PE, PS
President and COO
Alpha Associates, Incorporated
209 Prairie Avenue
Morgantown, WV 26501
304-296-8216 Ext.102
rick.colebank@thinkalphafirst.com

Key Personnel/Team Organization



Resumes for the above key personnel are included herein



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 private clients. Since 1988, Mr. Colebank has been the Principal-In-Charge of many 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 Civil Engineering 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

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

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

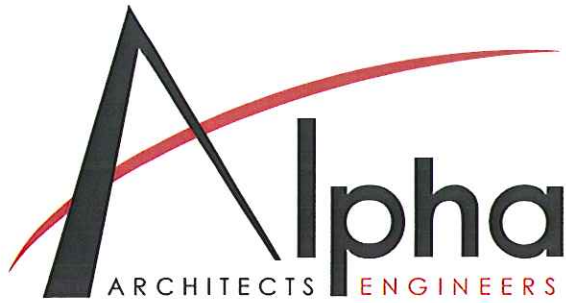
West Virginia University
 Masters of Business Administration; 1999
 Bachelor - Civil Engineering; 1982

QUALIFICATIONS

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

AFFILIATIONS

- WV Society of Professional Engineers
- National Society of Professional Engineers
- Former NSPE/PEPP Governor of WV
- ACEC/WV; Former President and Current National Director
- University High School Foundation; Charter Member; President
- Morgantown Area Chamber of Commerce; Past Chairman
- Monongalia County PO Technical Advisory Committee; Member
- Morgantown Area Economic Partnership; Member



ALPHA RESUMES

Matthew Breakey, AIA, LEED-AP | Principal, Architect

SUMMARY

Mr. Breakey began working at Alpha in 1998, and became a principal of the firm in 2004. Mr. Breakey has gained experience through working as Architect of Record and Project Manager on major capital construction projects throughout West Virginia. Mr. Breakey became a LEED Accredited Professional in 2009.



PROFILE

Broad-based responsibilities in the following areas:

- Architectural Design
- Construction Administration
- Client Development
- New Business Development

PROFESSIONAL HIGHLIGHTS

Higher Educational Facilities

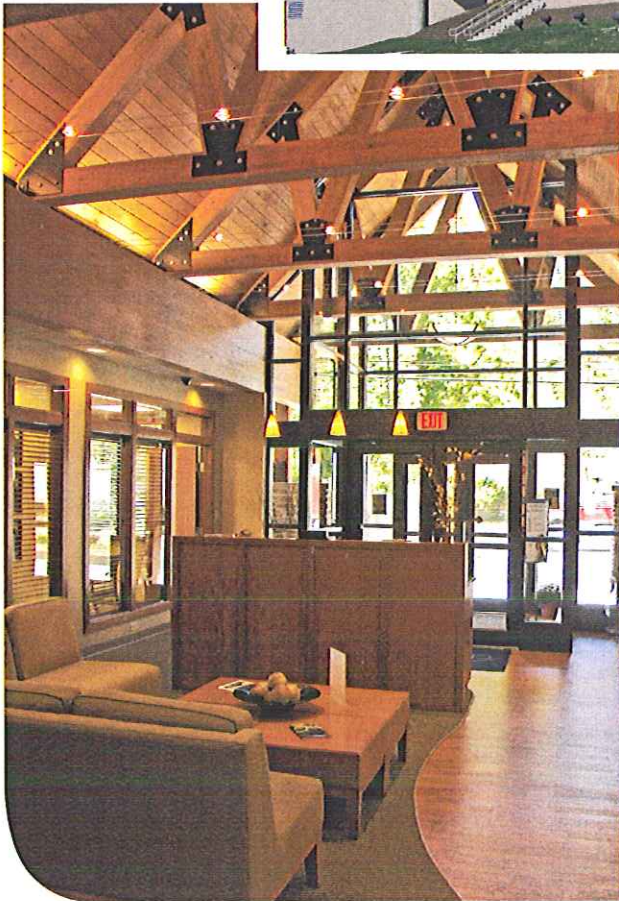
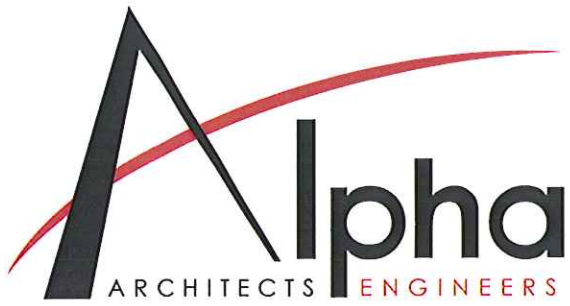
- Potomac State College, ADA Connector Link; Keyser, WV
- Engineering Science Building, East Wing Addition, WVU
- Potomac State College, Library Façade Replacement, Keyser, WV
- Engineering Sciences Building, 10th Floor Renovation, WVU
- Engineering Sciences Building Nan/Microtechnology Lab; WVU
- Alfred F. Galli Laboratory, WVU
- Robert C. Byrd Health Sciences Center SRP Lab; WVU

K-12 Educational Facilities:

- Washington High School; Charles Town, WV
- Mountaineer Middle School Renovation; Morgantown, WV
- Pocahontas County High School Science Wing; Marlinton, WV
- Slanesville Elementary School Addition; Hampshire County, WV
- Petersburg High School Science Lab Renovation; Petersburg, WV
- Buckhannon Upshur Middle School Renovations; Buckhannon, WV

Miscellaneous:

- Fairmont Federal Credit Union; Bridgeport, WV
- Clear Mountain Bank, Reedsville Branch; Reedsville, WV
- BC Bank Renovation/Addition; Philippi, WV
- Clear Mountain Bank, Oakland Branch; Oakland, MD
- Clear Mountain Bank, Sabraton Branch, Morgantown, WV



ALPHA RESUMES

Matthew Breakey, AIA, LEED-AP | Principal, Architect

EMPLOYMENT HISTORY

- 1998 – Current Alpha Associates, Incorporated
- 1994-1998 West Virginia University Physical Plant Engineering and Construction
- 1992-1994 West Virginia University Facilities Planning Management

EDUCATION

- Pennsylvania State University
Bachelor of Architecture; 1992
Bachelor of Science; 1991

QUALIFICATIONS

- **License:** Registered Architect: West Virginia, Maryland
- NCARB Certified
- Leadership In Energy and Environmental Design Accredited Professional

AFFILIATIONS

- American Institute of Architects
- West Virginia Society of Architects
- Council of Educational Facility Planners International
- U.S. Green Building Council
- Chestnut Ridge Park Board; Past President
- Main Street Morgantown

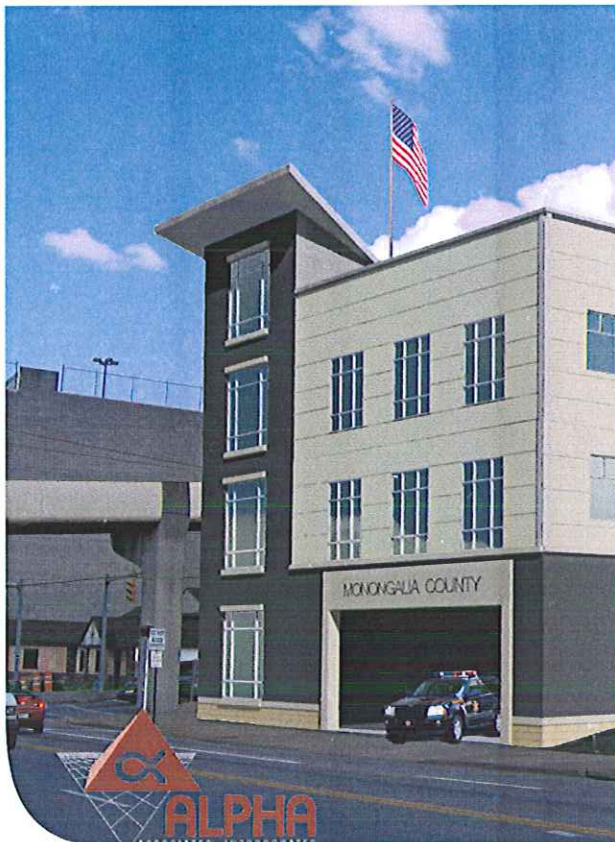


ALPHA RESUMES

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

SUMMARY

Ms. Key has worked in the architectural field for over 34 years. She is 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.



PROFILE

Broad-based responsibilities in the following areas:

- Structural Inspections
- Architectural Design
- Interior Design
- Medical Design
- Interior Space Planning
- Historic Renovation

PROFESSIONAL HIGHLIGHTS

Architectural Design:

- WVU South Agricultural Sciences Building; Morgantown, WV
- Washington High School; Charles Town, WV
- Prichard Hall Renovation; Fairmont State University; Fairmont, WV
- WVU CRRB Renovation, 5th and 7th Floors; Morgantown, WV
- WVU Boreman Hall, Boreman Bistro; Morgantown, WV
- WVU Hatfields Restaurant; Morgantown, WV
- Hart Field Maintenance Facility; Morgantown, WV
- Norwood Fire Station; Morgantown, WV
- FMW Composites; Bridgeport, WV
- Hart Field Terminal Renovation; Morgantown, WV
- White Hall Municipal Building; White Hall, WV
- Mon County Family Court Renovation; Morgantown, WV
- Mon County Sheriff's Building; Morgantown, WV
- WV State Office Building; Clarksburg, WV
- Ruby McQuain Amphitheater Roof; Morgantown, WV
- Augusta Apartment Building; Morgantown, WV
- Cass Scenic Railroad Clubhouse Renovation; Cass, WV
- Berkeley Springs Bath House Renovation; Berkeley Springs, 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
- NCARB Certified
- Leadership In Energy and Environmental Design Accredited Professional

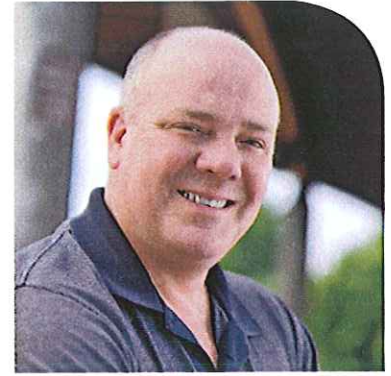
AFFILIATIONS

- 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

think  first.com

Contact

Rebecca Key
304.296.8216
800.640.8216
rebecca.key@thinkalphafirst.com

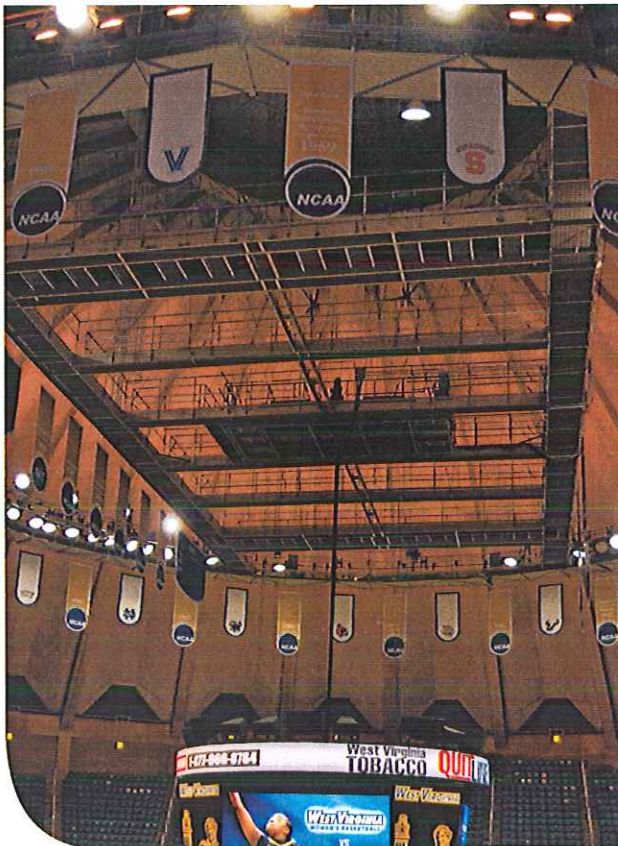


ALPHA RESUMES

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

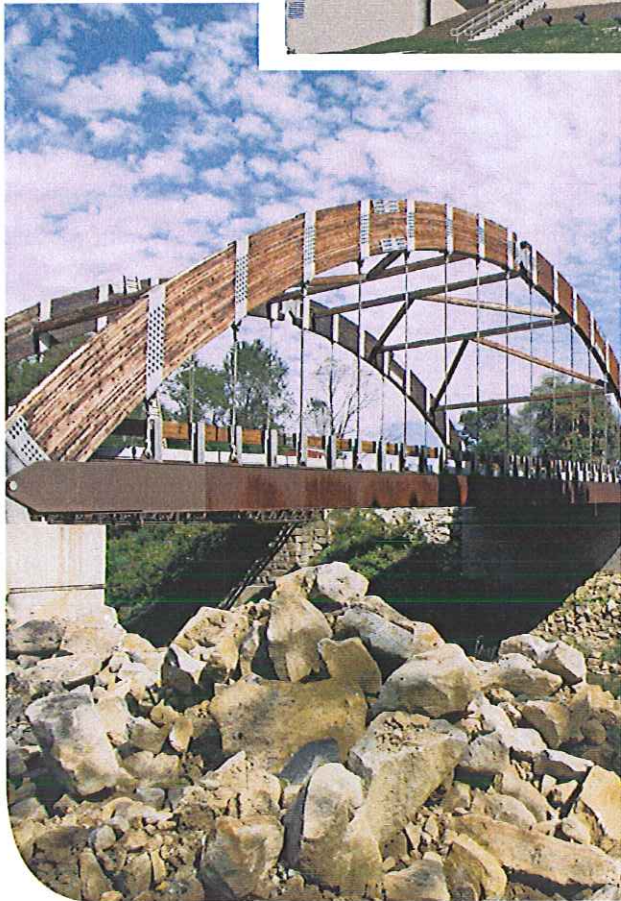
Broad-based responsibilities in the following areas:

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

PROFESSIONAL HIGHLIGHTS

Structural Engineer:

- 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



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, Maryland, 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
 - ✓ Butted overlap shear failures
- Composite Cold Formed Steel and Concrete Deck Research
 - ✓ Line load behavior/failures
 - ✓ Concentrated load behavior/failures
 - ✓ Web crippling
 - ✓ Punch failures



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:

- 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

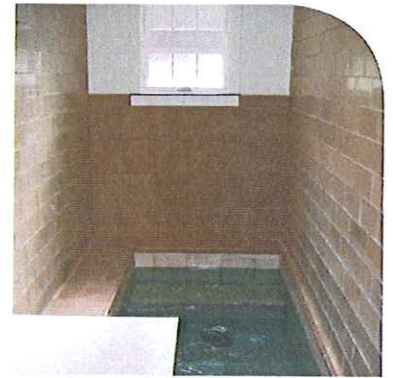
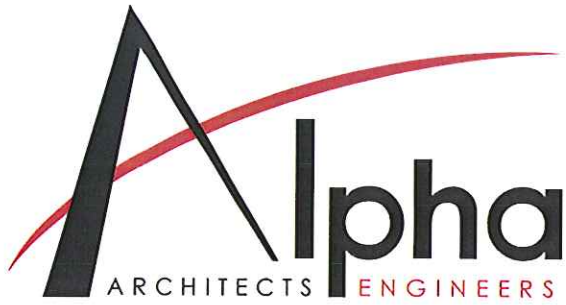
West Virginia University
Bachelor - Civil Engineering; 2000
Fairmont State College
Bachelor Architectural Engineering Technology; 1988

QUALIFICATIONS

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

AFFILIATIONS

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



ALPHA EXPERIENCE

Berkeley Springs Bath House | 2010

Historical Case Study

Berkeley Springs Bath House
Berkeley Springs, WV

Alpha designed the renovation of this historic landmark originally built in 1929 with a 1949 addition. The Bath House in Berkeley Springs State Park is open to the public and is operated year round by the Park Service.

The renovation included restoration of the historic masonry exterior. New hot water storage tanks and boilers are a major component of the design, as well as, central air-conditioning, which the Bath House never had before.

The interior design added amenities such as whirlpool baths. The Bath House upgraded to reflect a more "spa-like" ambiance. The existing Roman Baths have new liners and saunas were added for the benefit of the Bath House Patrons.

Project Manager:

Brad Leslie

324 4th Street

South Charleston, WV 25303

304-558-2764

At a Glance

CLIENT: WV DNR

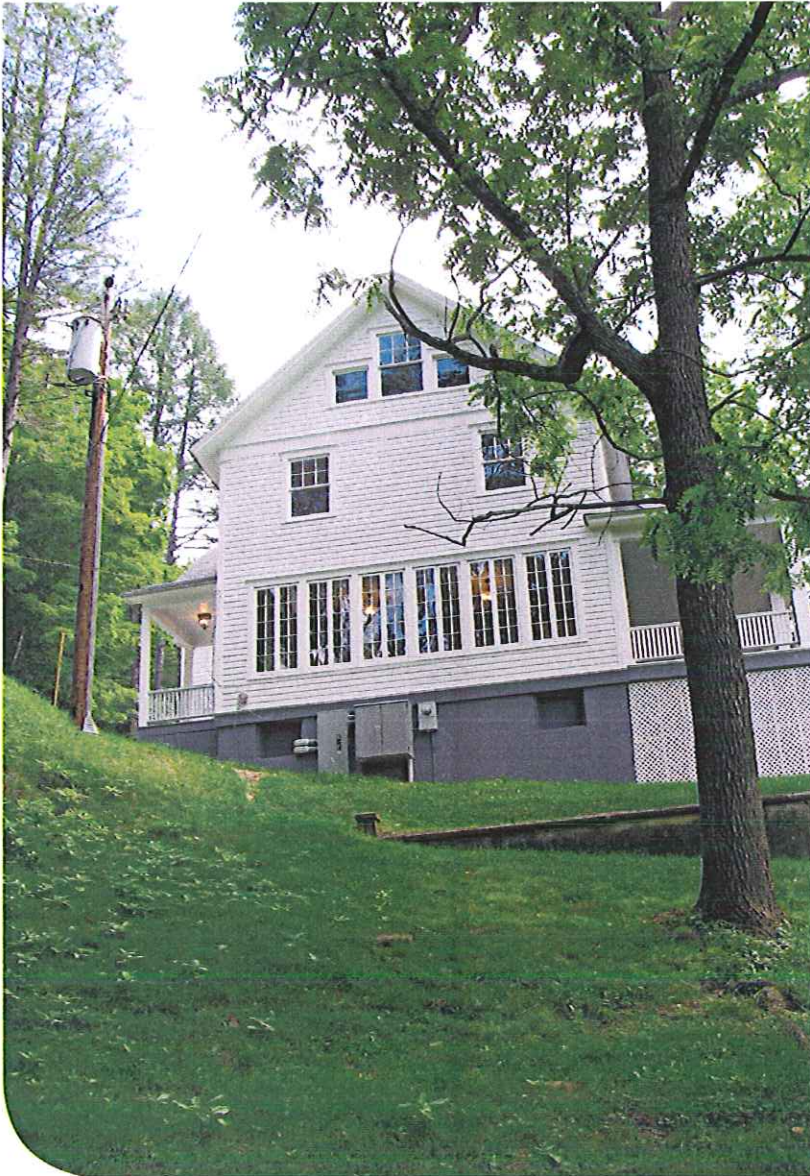
LOCATION: Berkeley Springs, WV

COMPLETION DATE: 2010

SIZE: 7,127 Sq. Ft.

CONSTRUCTION COST: \$2.2 Million

think Alpha first.com



ALPHA EXPERIENCE



Cass Scenic Railroad | Reno. 2009

Historical Case Study

Cass Scenic Railroad - Clubhouse Renovation
Cass, WV

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

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

Project Manager:

Brad Leslie

324 4th Street

South Charleston, WV 25303

304-558-2764

At a Glance

CLIENT: WV DNR

LOCATION: Cass, WV

COMPLETION DATE: 2009

SIZE: 5,163 Sq. Ft.

CONSTRUCTION COST: \$505,000

Fee: \$75,617





ALPHA EXPERIENCE

Façade Replacement | 2001

Architectural Case Study

West Virginia University - Engineering Sciences Building Façade Replacement Morgantown, WV

Alpha Associates provided architectural and structural engineering design services for the evaluation and solution of the deteriorating brick façade at the Engineering Sciences Building.

The solution replaced the existing brick façade with a pre-engineered panelized material.

The existing façade consisted of three wythes of masonry units: an outer glazed brick, a middle tile unit, and an interior tile unit. The design included the removal of the outer two wythes of masonry.

The replacement façade consisted of 6" steel studs with kraft paper faced batt insulation supporting synthetic panels and thermal glazed aluminum windows and aluminum louvers.

The project was completed in two phases. Phase I consisted of removing the East Façade and Phase II consisted of removal of the remaining three sides. Phase I was an emergency situation that required immediate action. Phase II is awaiting future funding.

Project Reference:

Kevin Swisher
P.O. Box 6572
Morgantown, WV 26506
304-293-2856

At a Glance

CLIENT: West Virginia University
LOCATION: Morgantown, WV
COMPLETION DATE: 2001
SIZE: Exterior of Building
CONSTRUCTION COST: \$973,909





ALPHA EXPERIENCE

Professional Office Building | 2001

Historical Case Study

KCAD Professional Office Building
Martinsburg, WV

Alpha Associates, Incorporated completed the restoration of this historic train station to be used as the Alpha Eastern Regional Office. The Martinsburg Train Station is part of the Boom Town Historic District. Originally constructed in 1889 to allow for the expansion of the Cumberland Valley Railroad, the Depot has not been used for passengers since the 1950's.

Extensive care was taken to maintain the original windows and to restore much of the original façade. Alpha received a West Virginia Society of Architects Design award for this historical restoration.

Project Manager:

Richard Klein
535 West King Street
Martinsburg, WV 25401
304-264-0051

At a Glance

CLIENT: KCAD Properties
LOCATION: Martinsburg, WV
COMPLETION DATE: 2001
SIZE: 85,250 sq. ft.
CONSTRUCTION COST: Private Client





ALPHA EXPERIENCE

Terminal Renovations | 2011

Architectural Case Study

Morgantown Municipal Airport - Terminal Renovation
Morgantown, WV

Alpha Associates provided services for multi-year, multi-phase contracts for improvements to the runways and terminal building.

Terminal renovations provided security upgrades and improvements to the TSA facilities for passenger check-in; improvements to the toilet facilities to facilitate compliance with ADA requirements, improvements and renovations to enhance general aviation services and improvements to the building envelope, mechanical, electrical and fire-life safety systems.

The renovation successfully provided better access through the building, an improved building envelope from a R1 value to R14, and upgraded the mechanical systems in a phased project that allowed the airport to continue operation on a daily basis during the construction periods.

Project Contact:

Bob Hammel
100 Hart Field Road
Morgantown, WV 26505
304-291-7461

At a Glance

CLIENT: City of Morgantown
LOCATION: Morgantown, WV
COMPLETION DATE: 2011
SIZE: 20,000 square feet
CONSTRUCTION COST: Multiple Phases and Contracts





ALPHA EXPERIENCE

State Office Building | TBD

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 85,250 square foot, five story office building that will hold seven State agencies.

The structure is limestone and granite cladding over steel and concrete frame.

The project will be applying for Silver Certification under LEED standards.

Construction is currently awaiting budget approval from the State of West Virginia.

Project Reference:

David Hildreth
1409 Greenbrier Street
Charleston, WV 25311
304-558-0510

At a Glance

CLIENT: State of West Virginia
LOCATION: Clarksburg, WV
COMPLETION DATE: TBD
SIZE: 85,250 sq. ft.
CONSTRUCTION COST: Approx. \$20 Million

