



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: 96427

Doc Description: Moundsville FMS#9 EOI Design Services

Proc Type: Central Purchase Order

Date Issued	Solicitation Closes	Solicitation No	Version
2015-04-21	2015-05-12 13:30:00	CEOI 0603 ADJ1500000004	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, Incorporated
 209 Prairie Avenue
 Morgantown, WV 26501
 304-296-8216

05/08/15 10:41:13
 WV Purchasing Division

FOR INFORMATION CONTACT THE BUYER

Tara Lyle
 (304) 558-2544
 tara.l.lyle@wv.gov

Signature  FEIN # 550516289

DATE 5-7-15

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

INVOICE TO		SHIP TO	
DIVISION ENGINEERING & FACILITIES ADJUTANT GENERALS OFFICE 1707 COONSKIN DR		BUILDING TRADE SPECIALIST MOUNDSVILLE NATIONAL GUARD ARMORY 1501 9TH ST	
CHARLESTON	WV25311	MOUNDSVILLE	WV 26041
US		US	

Line	Comm Ln Desc	Qty	Unit Issue
1	Moundsville FMS#9 EOI-Design Engineering		

Comm Code	Manufacturer	Specification	Model #
81101508			

Extended Description :
The WV Purchasing Division for the agency, WV Army National Guard's Division of Engineering and Facilities, is soliciting expression of interests for professional design services to include window replacement, design of a "battery room" for the storage and maintenance of batteries for military equipment, and to re-design the exterior drainage from the building to the existing storm drain system, at the Moundsville Armory located in Marshall County, per the attached specifications.

Professional architectural design services to develop construction documents to provide for window replacement, design of a "battery room" and to re-design the exterior drainage from the building to the existing drain system at Moundsville FMS#9, in Moundsville, WV.

ADJ1500000004	Document Phase Final	Document Description Moundsville FMS#9 EOI Design S ervices	Page 3 of 3
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ADDITIONAL TERMS AND CONDITIONS

See attached document(s) for additional Terms and Conditions



May 12, 2015

Department of Administration
Purchasing Division
2019 Washington Street East
Charleston, WV 25305

Attn: Ms. Tara Lyle

**Re: Expression of Interest
Moundsville FMS#9 Drainage & Remodel Design**

Dear Ms. Lyle,

Alpha Associates, Incorporated is pleased to submit our qualifications to provide architectural and engineering design services for the FMS#9 Maintenance Facility of the West Virginia Army National Guard, to include window replacement, design of a "battery room" and re-design of the exterior drainage from the building to the existing storm drain system.

Alpha has completed renovations for several maintenance and military facilities throughout our more than 46 years of experience. When you choose Alpha to be your design partner, you receive a dedicated team of professionals with the expertise and experience needed to complete your facility renovations, as well as a team who is intimately familiar with working with the West Virginia Army National Guard.

The most recent project that Alpha and our MEP partner, Miller Engineering, had the pleasure of working with the WVANG on was the renovations to the Parkersburg Armory. For this project, Alpha turned a rifle range at the Armory into a offices. This work included providing a new entrance with a store front along with additional parking. We are looking forward to continuing to build upon our relationship by being your partner for the remodel design and drainage improvements of your maintenance facility in Moundsville.

Alpha's staff has provided Architectural and Engineering design services for various clients involving all aspects of your project. From providing window replacements as part of a renovation at Mountaineer Middle School in Morgantown, to the design of an on-site room for the storage and containment

of volatile chemicals for FMW Composite Systems and drainage and stormwater management for a U.S. Coast Guard facility, Alpha has the experience to make your project a success. Alpha and Miller Engineering have worked on numerous projects in the ten years and will provide you a seamless design team whose only focus is to provide the best project at a reasonable cost.

Alpha is conveniently located to service this project. . Our team can be on site in Moundsville in less than two hours' time from Alpha's corporate headquarters in Morgantown while the Charleston office affords us easy access to the Guard's central office. The Alpha team's experience working with the WVANG combined with our extensive experience renovating maintenance facilities makes us the perfect design partner for you on this project.

Alpha is a West Virginia owned and operated architectural and engineering design firm with locations in Charleston, Morgantown, and Martinsburg. Our 26-person professional staff includes architects, civil and structural engineers, surveyors, cost estimators, construction representatives, landscape designers, interior designers, and technicians.

Alpha is confident in our Team's ability to create a design that will exceed your expectations. We will work hand-in-hand with you to ensure your project is completed on schedule and within budget.

Alpha looks forward to working with the WV Purchasing Division and the WVANG to complete the drainage and remodel design of the FMS#9 Maintenance Facility. We would be pleased to discuss the project in more detail with you in a personal interview. If you have any questions please contact me at 304-296-8216, extension 102.

Sincerely,

ALPHA ASSOCIATES, INCORPORATED



Richard A. 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

2506 Kanawha Boulevard East
Charleston, WV 25311

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

26 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.



We provide Solutions. You can expect Excellence.

Firm Profile



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

Over the past (11) years Miller Engineering has engineered solutions for over \$17.2M in mechanical system upgrades, repairs, and renovations for projects of all scopes, with clients ranging from private owners to local and state governments.



Our team has engineered repairs and stabilized systems to assist an owner to plan for required upgrades, system repair or develop a maintenance plan to extend the life of a system.

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



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



[Type text]

Engineering Design and Consultation

- Mechanical
- Electrical
- Plumbing
- HVAC Design
- Renovation
- New Construction

Aquatic Facility Design

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

Construction Administration

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

Communication System

- Intercomm & Public Address
- Voice/Data/CATV
- Urgent Response

Energy

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

Facility Utilization

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

Life Safety Inspection/Design

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

Industry Experience

- Education
- Local & State Government
- Commercial Development
- Healthcare
- Public Pools (indoor & outdoor)
- Department of Parks & Recreation



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 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
- 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

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
- ACEC/WV; Former President and National Director
- University High School Foundation; Charter Member; President
- Morgantown Area Chamber of Commerce; Past Chairman
- Monongalia County MPO Technical Advisory Committee; Member
- Morgantown Area Economic Partnership; Member
- American Red Cross, River Valley Chapter B.O.D.
- WVU College of Civil and Environmental Engineering Visiting Committee



Contact

Richard A. Colebank

304.296.8216

800.640.8216

rick.colebank@thinkalphafirst.com



STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS

To all to whom these presents shall come, Greeting.

Know Ye That The State Board of Registration for Professional Engineers, of the State of West Virginia, reposing special confidence in the Intelligence, Integrity and Discretion of

Richard A. Colebank

DOES, IN PURSUANCE OF AUTHORITY VESTED IN IT

by law, hereby certify that he, having submitted satisfactory evidence of his ability and experience, is a

REGISTERED PROFESSIONAL ENGINEER

Registration Number [REDACTED]

To hold, and use such title in the practice of his profession, subject to the conditions prescribed by law.



Given under the hand and the Seal of the Board, at the Capitol in the City of Charleston, this 23rd day of Feb. in the year of our Lord One Thousand Nine Hundred and Eighty-Eight and of the State the One Hundred Twenty-Fourth.

STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS

Secretary Frank L. Zaddy

By Kenneth H. Means

President Robert L. Smith



ALPHA RESUMES

Thomas Pritts, AIA, LEED-AP | Associate, Architect

SUMMARY

Mr. Pritts is a licensed Architect who joined the Alpha Associates, Incorporated staff in the Morgantown office in 2004. His involvement in projects in West Virginia's Eastern Panhandle facilitated his relocation to Cumberland, MD in 2008 to better serve clients in that area. In 2008 he received his LEED Accredited Professional Certification from the USGBC and Construction Document Technologist designation from the Construction Specification Institute. Mr. Pritts has become a valuable asset to Alpha Associates with broad experience in K-12 and higher educational design, commercial design and programmatic development.



PROFILE

Broad-based responsibilities in the following areas:

- Architectural Design
- Programmatic Development
- Green Building Design

PROFESSIONAL HIGHLIGHTS

Higher Educational Facilities

- WVU CPASS and Student Health Building; Morgantown, WV
- Glenville State Skybox; Glenville, WV
- Potomac State College, ADA Connector Link; Keyser, WV
- Engineering Science Building, East Wing Addition, WVU
- Potomac State College, Library Façade Replacement, Keyser, WV
- Potomac State College, McKee Arts Center Plaza; Keyser, WV

K-12 Educational Facilities:

- Huff Consolidated School; Hanover, WV
- Aurora Elementary School Addition; Preston County, WV
- Riverview High School Football Fieldhouse; McDowell County, WV
- Washington High School; Charles Town, WV
- Monongalia County Schools – School Access Safety; Morgantown, WV
- Pineville Elementary School; Wyoming County, WV

Miscellaneous:

- Harry Green Nissan; Clarksburg, WV
- Martinsburg Wastewater Treatment Plant; Martinsburg, WV
- Bavarian Inn Pool; Shepherdstown, WV
- Fairmont Federal Credit Union; Bridgeport, WV
- Clear Mountain Bank, Reedsville Branch; Reedsville, WV
- Clear Mountain Bank, Oakland Branch; Oakland, MD
- Jefferson County Emergency Operations Building; Ranson, WV
- Eastern Panhandle Transit Authority Renovation; Martinsburg, WV
- Yellow Brick Bank; Shepherdstown, WV



ALPHA RESUMES

Thomas Pritts, AIA, LEED-AP | Associate, Architect

EMPLOYMENT HISTORY

2004 – Current Alpha Associates, Incorporated
2003-2004 Marshall Craft Associates

EDUCATION

Virginia Tech
Bachelor of Architecture; 2004

QUALIFICATIONS

- **License:** Registered Architect: West Virginia, Maryland
- NCARB Certified
- Leadership in Energy and Environmental Design Accredited Professional
- Construction Document Technologist
- Certified Construction Specifier

AFFILIATIONS

- American Institute of Architects
- West Virginia Society of Architects
- Autodesk User Group International
- U.S. Green Building Council
- Construction Specification Institute

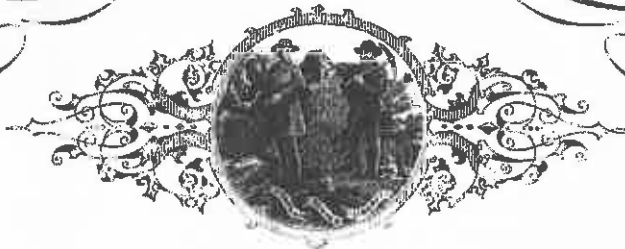
think  first.com

Contact

Thomas Pritts
304.296.8216
800.640.8216

tom.pritts@thinkalphafirst.com

The Board of Architects



of West Virginia

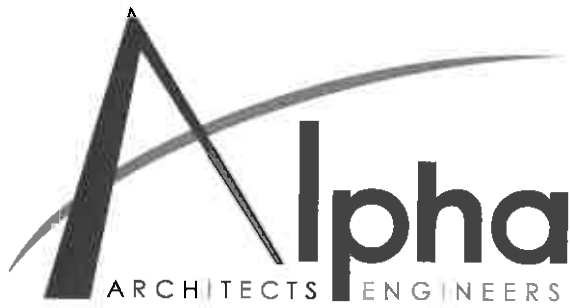
No. [REDACTED]

*This Certifies that Thomas Franklin Britts of Morgantown
in the State of West Virginia, 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 20th
day of May 20 08*

[Signature] _____ *President.*
[Signature] _____ *Secretary.*



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

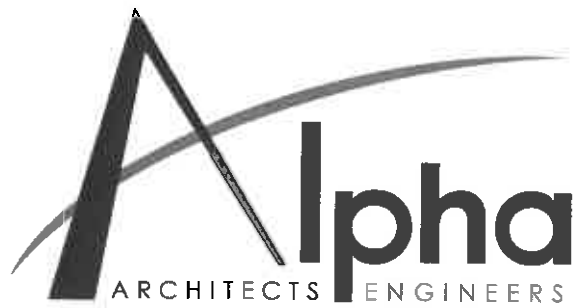
Broad-based responsibilities in the following areas:

- 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

think  first.com

Contact

Charles B. Branch
304.296.8216
800.640.8216
chuck.branch@thinkalphafirst.com



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

[Signature]

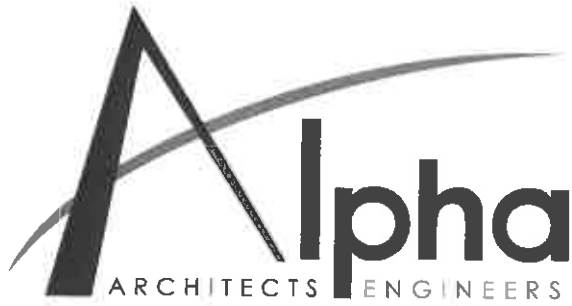
STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS

By [Signature]

[Signature]

[Signature]

[Signature]



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

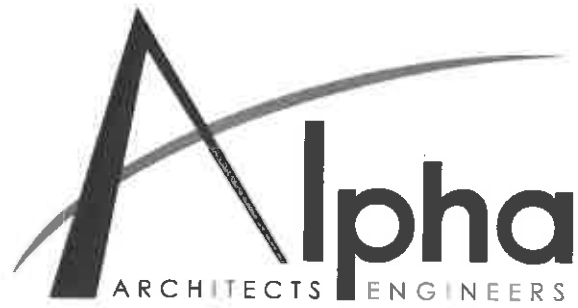
Broad-based responsibilities in the following areas:

- 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
- 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

think **Alpha** first.com

Contact

Charles B. Luttrell

304.296.8216

800.640.8216

charlie.luttrell@thinkalphafirst.com



STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS

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Know Ye That The State Board of Registration for Professional Engineers, of the State of West Virginia, reposing special confidence in the Intelligence, Integrity, and Discretion, of

Charles B. Luttrell

DOES, IN PURSUANCE OF AUTHORITY VESTED IN IT

by law, hereby certify that, he, having submitted satisfactory evidence of his ability and experience, is a

REGISTERED PROFESSIONAL ENGINEER

Registration Number [redacted]

(To Hold) and use such title in the practice of his profession, subject to the conditions prescribed by law.



Given under the hand and the Seal of the Board at the Capitol in the City of Charleston this 28th day of July in the year of our Lord One Thousand Nine Hundred and Ninety-nine and of the State the One Hundred Thirty-sixth.

STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS

Handwritten signatures: Charles B. Luttrell, Frank Kelly, and others.



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 32 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

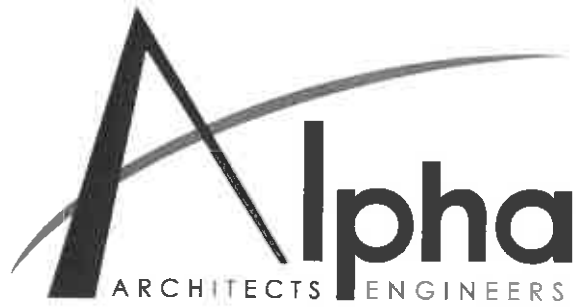
Broad-based responsibilities in the following areas:

- 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

think **Alpha** first.com

Contact

Bradley Casdorff
304.296.8216
800.640.8216

brad.casdorff@thinkalphafirst.com



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 D. Thomas, Jr. *Ruthen E. Dejean*
Blair J. Saluja *Willie E. Person*



ALPHA RESUMES

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

SUMMARY

Ms. Key has worked in the architectural field for over 35 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

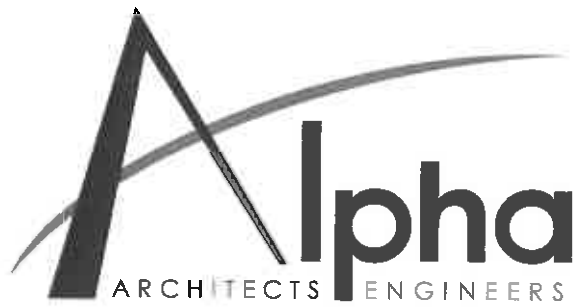
Broad-based responsibilities in the following areas:

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

PROFESSIONAL HIGHLIGHTS

Architectural Design:

- Mon County Family Court Renovation; Morgantown, WV
- West Virginia Regional Technology Park Renovation to Building 770; South Charleston, WV
- Mon County Sheriff's Building; Morgantown, WV
- 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
- 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

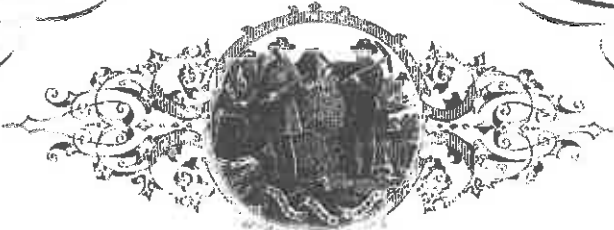
QUALIFICATIONS

- **License:** Registered Architect: West Virginia, Maryland, Washington DC, New York, Virginia, Pennsylvania
- NCIDQ 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
- Leadership Kanawha Valley Class of 2014

The Board of Architects



of West Virginia

No. [REDACTED]

This Certifies that Rebecca Jean Key of Baltimore
in the State of Maryland, having successfully passed an examination
before the Board of Architects of the State of West Virginia, and being
otherwise qualified, is hereby authorized to practice Architecture in all its
branches in the State of West Virginia.



Witness the signatures of the President and Secretary of the Board of
Architects of West Virginia, and the seal of said Board, this 26th
day of September 1994

Will E. J. [Signature] President.
[Signature] Secretary.



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

- WVU Recreation Center Indoor Pool – Owner’s Engineer
- WVU Life Sciences Building and Student Recreation Center – Owner’s Engineer
- Camp Virgil Tate
- Mapletown High School HVAC Replacement
- Advanced Surgical Hospital
- Holly River State Park Primary Electric Service Replacements Phase I & II
- Beech Fork State Park – MEP New Construction Design
- WVU Willowdale Walkway

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 a staff 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: Staff MEP Engineer

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

Professional Project Highlights

- **WVU Football Stadium Scoreboard**
- **WVU Lot 81 Parking Improvements**
- **WVU Temperature Control Upgrades**
- **Krepps Park ADA upgrades**
- **Greenbrier State Park**
- **Holly River State Park Primary Electric Service Replacements Phase I & II**
- **Beech Fork State Park Lodge indoor/outdoor pool design development**
- **Suncrest Middle School Gym HVAC Upgrade**

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



Rob Angus

(20) Years of maintenance, operations, and construction management precede Robert'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. Robert's hands-on, 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. Robert is involved at the estimation phase to allow for continuity within the project's design and construction.

Project Role: Aquatic Construction Representative

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

Professional Project Highlights

- 3RD Party Construction Observation – Canaan Valley Resort
- Advanced Surgical Hospital
- Cheat Lake Elementary HVAC Upgrade
- Suncrest Middle School Gym HVAC Upgrade
- North Elementary School Boiler/AC
- Mapletown Jr./Sr. High School HVAC/Boiler Upgrade
- WVU Research Building Office Renovation

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 Mechanic Contractor
- Licensed West Virginia Journeyman Electrician
- Licensed West Virginia Master Plumber
- OSHA 10-Hour Construction Safety & Health



Jack Jaminson

Jack brings (15) years as an electrical/building inspector and over (25) years of experience in the commercial electrical construction industry. His knowledge and experience are valuable resources to Miller's complete assessment process.

Project Role: Code and Construction Specialist

- Facility Review, Code Research, and Project Evaluation
- Field Observations and Issue Resolutions

Professional Project Highlights

- Board Member of the WV Code Officials
- Founder and Secretary of the West Virginia Division of the International Association of Electrical Inspectors
- IAEI Ohio Chapter – Membership Chair

Professional History

2010- Present	Miller Engineering, Inc.	Code and Construction Specialist
1999-2010	Megco Inspections	Chief Inspector
1972-1998	Jamison Electrical Construction	Master Electrician

Education

1971 Fairmont State College, BS-Engineering Technology-Electronics

Licenses and Certifications

- Master Code Professional, IAEI Master Electrical Inspector, Class C Electrical Inspector – WV, PA, MD, & OH
- ICC Commercial Building, Building Plans, Commercial Plumbing, Residential Energy, and Accessibility Inspector/Examiner
- WV Master Electricians License
- NCPCCI-2B, 2C, 4B, 4C: Electrical & Mechanical General/Plan Review
- OSHA 30 Hour Course: General Industry
- NFPA Code Making Panel 14 – NEC 2014 Edition



Joseph Machnik

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

Project Role: MEP Designer

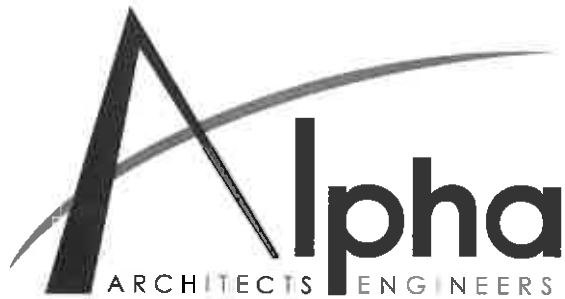
Revit/CADD Coordination of New Construction and Renovation Designs

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*



STAFFING PLAN

All work to be performed for the West Virginia Army National Guard Moundsville FMS#9 Maintenance Facility will be performed out of Alpha's Morgantown office. In addition to your dedicated Project Team, Alpha's staff of twenty-six (26) includes Engineers, Architects and Support Staff, who are available to assist you with any potential project need. Furthermore, Alpha's team will include Miller Engineering for any and all mechanical, electrical, and plumbing services that will arise throughout the completion of this project.





PROJECT APPROACH

Alpha's approach to this project will be to provide a clean, concise project for the Purchasing Division and the West Virginia Army National Guard that will meet project requirements while maintaining strict cost constraints within the budget. We will begin the design process by meeting with owners and any other pertinent stakeholders to set the parameters for the project and discuss project schedule and goals.

The following is Alpha's anticipated Project Approach for the Moundsville FMS#9 Drainage and Remodel Design:

1. Areas to be developed within the building:
 - a. Window Replacement (per owner's direction)
 - b. "Battery" Room
 - c. Exterior drainage system.
2. Design team will obtain as much documentation on existing conditions as possible
3. Have on-site meeting with stakeholders in project (Building committee, maintenance supervisor, building committee, etc.)
4. Review all existing documentation on building
 - a. Existing drawings
 - i. Original
 - ii. Renovations
 - b. Maintenance records
 - c. Repair receipts
 - d. Verify any and/or establish existing measurements
 - i. Produce existing "measured" drawings if needed.
 - ii. Inspect existing exterior drainage system.
5. Conduct essential design meetings with owner representative/s where options for renovations and/or repairs and costs are discussed.
6. Create drawings and/or specifications to reflect desired outcome as part of contract documents.
7. Meet with owner representative/s again
8. Provide necessary modifications to contract documents.
9. Provide Estimate of probable costs on each identified area.
10. Assist owner in bidding & negotiation of contract award/s.

Project Approach

➤ **Design & Permitting**

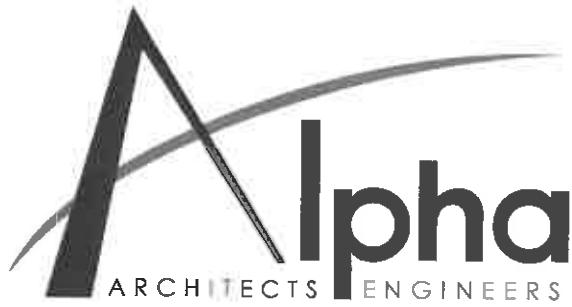
Miller Engineering, Inc. (MEI) will work with the design team along with any owner's representatives and stakeholders to determine the requirements of the project. MEI will meet with the owner's staff to ensure the project meets ADA design standards in addition to interfacing with any existing facility building systems. MEI will also consult with local and state code officials for compliance in regards to applicable construction and life safety codes. A preliminary budget will be created, which will be updated to help the owner better understand the associated costs with any design options or scope changes prior to bidding.

➤ **Construction Administration**

Miller Engineering will be available to provide construction administration (CA) services for the project if necessary. MEI will be present during pre-bid meetings and will assist in answering questions from contractors and vendors during the bidding process. MEI will provide support to the design team and client in issuing addenda. Miller Engineering will take part in kick-off meetings and in agreed upon progress meetings. It is company policy to answer any Requests for Information (RFI) and review submittals in an expedient manner, as any delays can cost the project time and money. CA services can also include performing project observation outside of scheduled progress meetings. MEI will be available to perform punch lists related to substantial and final completions.

➤ **Project Close-out**

Another company policy is to require the contractor to provide training and demonstration to the owner's maintenance staff, at which MEI will be present. CA duties will also include reviewing operation and maintenance manuals, close-out documentation and record drawings.



ALPHA EXPERIENCE

Parkersburg Armory | 2009

Architectural Case Study

Parkersburg Armory Renovation and Addition

Parkersburg, WV

Alpha continues their relationship with the West Virginia Army National Guard with the renovation of a space originally designated as a rifle range at the Parkersburg Armory.

New offices, conference room, and break room provide new work space for officers. A secondary entrance was included in the design to serve the department that will occupy this space.

A fire alarm upgrade for the entire building was also included in the project scope as well as an alternate for an access control system and mass notification system.

At a Glance

CLIENT: WV Army National Guard

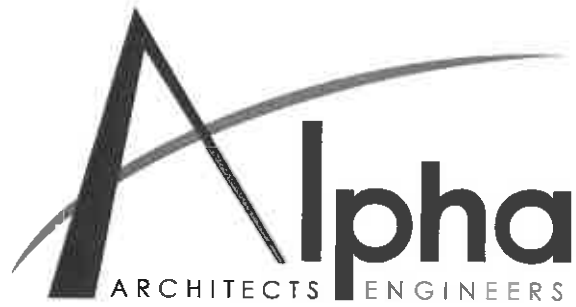
LOCATION: Parkersburg, WV

COMPLETION DATE: 2009

SIZE: 2600 sq. ft.

CONSTRUCTION COST: \$400,000

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ALPHA EXPERIENCE

Administrative Building | 2012

Architectural Case Study

Federal Bureau of Prisons Administrative Building

Hazleton, WV

Alpha Associates is the Architect of Record for a new medium security men's prison in Hazleton, WV. Hensel-Phelps Construction is the Design-Build Contractor. As part of the project Alpha provided architectural design and structural engineering for a new 13,805 square foot Administrative Building.

The Administration Building serves as the main entrance and control center hub for the facility. The building contains a Lobby/Waiting Area, Squad Room/Armory/ Locksmith, Storage Area, Staff Offices/ Telephone & CCTV Monitoring, and the Warden's Suite.

The building serves both secure and non-secure activities. Sensitive areas such as Central Control, Electronic Equipment, Security LAN, and Telephone Equipment were constructed to the Federal Bureau of Prisons Security Standards to include secure doors and hardware, reinforced masonry and concrete walls, and precast concrete plank ceilings.

The building is designed using Leadership in Energy and Environmental Design (LEED) principles and reinforces the goals set forth in the Energy Policy Act. The building is expected to achieve a LEED Gold Certification.

At a Glance

CLIENT: Hensel Phelps
Construction

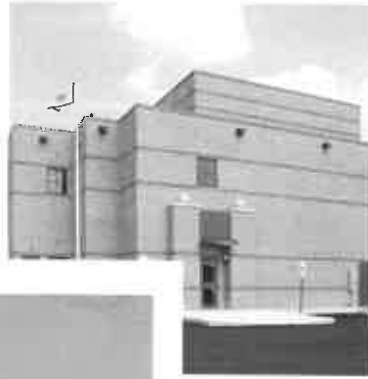
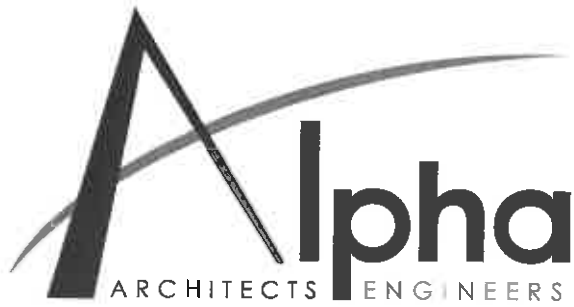
LOCATION: Hazleton, WV

COMPLETION DATE: 2012

SIZE: 13,805 sq. ft.

CONSTRUCTION COST: Part of Larger Project

think  first.com



ALPHA EXPERIENCE

ARFF Building | 2003

Archifectural Case Study

**Morgantown Municipal Airport
Air Rescue and Fire Fighting Building
Morgantown, WV**

Alpha Associates, Incorporated provided architectural design, civil and structural engineering and surveying services this latest building at the Morgantown Municipal Airport. The building serves as an Air Rescue and Fire Fighting Building, housing two fire trucks and equipment.

Additional space for Airport Management offices and a training center are also included in the building.

**Project Contact:
Jackie Marhefka
100 Hart Field Road
Morgantown, WV 26505
304-291-7461**

At a Glance

**CLIENT: City of Morgantown
LOCATION: Morgantown, WV
COMPLETION DATE: 2003
SIZE: 7,000 SF
CONSTRUCTION COST: \$1 Million**

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ALPHA EXPERIENCE

Wood Technology Center | 2005

Architectural Case Study

Wood Technology Center

Elkins, WV

The West Virginia Wood Technology Center offers continuing education students training and technical support. Alpha Associates, Incorporated provided design and construction administration for the addition and interior renovation. Attached to the pre-existing Randolph County Development Authority, the Wood Technology Center project includes a 2070 SF metal addition of classroom and office space as well as 5400 SF interior renovation of existing classroom and offices.

A state-of-the-art spray booth is also included in the project to enable top-quality finishing of wood projects produced in the wood shop.

Project Contact:
Robbie Morris
10 11th Street #1
Elkins, WV 26241
304-637-0803

At a Glance

CLIENT: Randolph County
Development Authority
LOCATION: Elkins, WV
COMPLETION DATE: 2005
SIZE: 7,470 SF
CONSTRUCTION COST: \$436,000

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ALPHA EXPERIENCE

Maintenance Building | 2005

Architectural Case Study

Morgantown Municipal Airport

Maintenance Building

Morgantown, WV

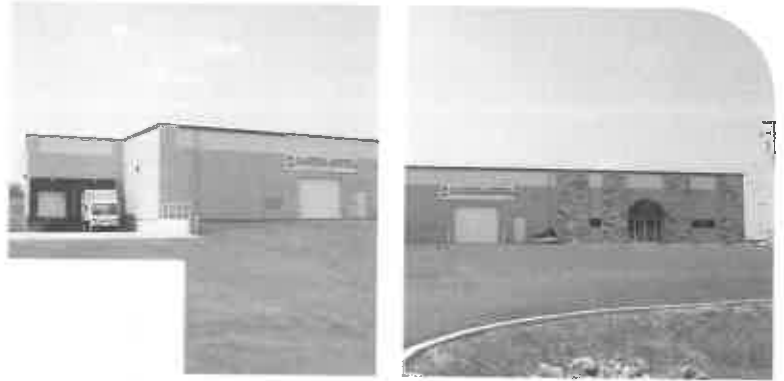
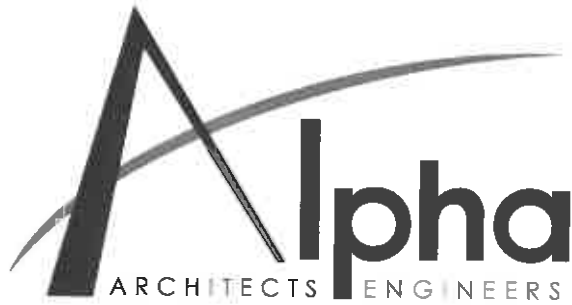
Alpha Associates, Incorporated designed and provided construction administration for the Hart Field Maintenance Building. The building provides garage and storage for the airport's snow-blowing and lawn-cutting machines. This project features six high-bay areas with one maintenance/repair pit. The balance of the area consists of auxiliary spaces such as dry and liquid storage, overhead crane hoist with access to a storage mezzanine. The building was constructed using split face block and metal panels over a pre-engineered steel rigid frame metal building.

Project Contact:
Jackie Marhefka
100 Hart Field Road
Morgantown, WV 26505
304-291-7461

At a Glance

CLIENT: City of Morgantown
LOCATION: Morgantown, WV
COMPLETION DATE: 2005
SIZE: 8,000 SF
CONSTRUCTION COST: \$850,000





ALPHA EXPERIENCE

R.E. Michel Building | 2006

Architectural Case Study

R.E. Michel Building

Morgantown, WV

Alpha Associates, Incorporated provided Civil/Site Design, Structural Design, Surveying, and Stormwater Management for the new R.E. Michel Building to replace the building vacated in the Research Park Construction. Alpha also completed architectural drawings to be submitted for permit approval. This 11,000 square foot metal building was completed in 2006.

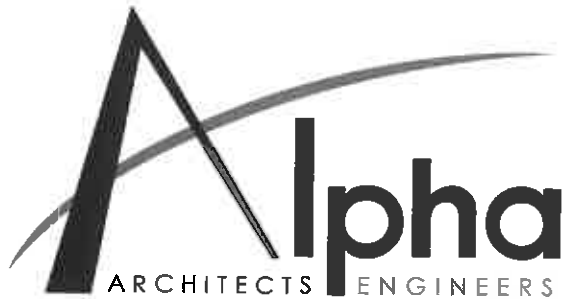


Project Contact:
WVU Research Corporation
888 Chestnut Ridge Road
Morgantown, WV 26506
304-293-3449

At a Glance

CLIENT: WVU Research Center
LOCATION: Morgantown, WV
COMPLETION DATE: 2006
SIZE: 11,000 sq. ft.
CONSTRUCTION COST: \$1 Million

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STORM WATER EXPERIENCE

WVU Alumni Center Storm Water Management Ponds, Morgantown, WV

Alpha was faced with the challenge of integrating the Alumni Center building, parking and amenities with a large, storm water management pond to control the Popenoe Run drainage basin. This was accomplished by relocating and culverting a portion of Popenoe Run, in coordination with the U.S. Army Corps of Engineers, and creating a two stage pond.

The upper, smaller pond contains a permanent pool of water and serves as a water feature and focal point for the Alumni Center landscaping, while the lower, larger pond is a dry detention structure which provides most of the storage required during rain events. With this approach, Alpha was able to achieve the goals of both the City of Morgantown and the West Virginia University Alumni Association.



Project Contact: Mary Kinsley, WVU Alumni Association (304-293-4731, mary.kinsley@mail.wvu.edu)

The Augusta Stream Restoration, Morgantown, WV

The Augusta apartment complex project required off-site mitigation to compensate for the impact to Falling Run.

For this project, Alpha performed a complete analysis of the existing stream using Natural Stream Design methodology and designed a plan based on these techniques which included j-hook vanes, stone slope protection, bankfull benching, and a livestock crossing to restore the stream to its natural characteristics.



Project Contact: Joe Patten, WVU Facilities Management (304-293-5876, joe.patten@mail.wvu.edu)

Rocky Lane Road, Martinsburg, WV

Alpha Associates, Incorporated provided the design of a new connection of Rocky Lane Road to Winchester Avenue (US Route 11) in the City of Martinsburg.



The work included a new intersection, widening of Winchester Avenue to accommodate turning lanes, a new traffic signal, utility relocation, various roadway improvements including new sidewalks, curbs, gutters, retaining wall and a storm water management system were added.



Project Contact: Barry Knotts, PE, West Virginia Division of Transportation (304-289-2208, barry.a.knotts@wv.gov)

Washington High School Erosion and Sediment Control, Charles Town, WV

The construction of a new Washington High School began with an early site package to install all erosion and sediment control devices. Alpha designed an erosion and sediment control package for the 59 acre site which included three temporary sediment traps and one permanent sediment pond which would be converted to a permanent stormwater management pond at the completion of the project.



The design also included other E&S devices such as silt fence, check dams and earthen diversion dikes to obtain a General Stormwater/Construction Permit from the WVDEP under the NPDES.

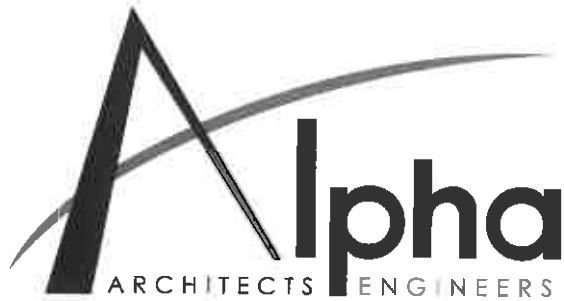
Project Contact: Pat Blanc, Jefferson County Board of Education (304-728-9228, pblanc@k12.wv.us)

Quail Ridge Subdivision, Kearneysville, WV

Alpha Associates, Incorporated completed a community impact statement including a Master Plan for 140-lot single-family subdivision. The project included surveying, final design of roads, sewer and water utilities, and storm water management.



Project Contact: Ken Lowe, Murrall Limited Partnership (304-870-7001, klowe@clarionshepherdstown.com)



Colonial Hills Subdivision, Shepherdstown, WV

Alpha Associates, Incorporated is currently providing on-going engineering services for the Colonial Hills housing development. Phase I of the project included extending sanitary sewage throughout the development. This service was provided to single-family homes and duplexes.

Phase II provided service to townhouses. Phase III will provide water to homes and businesses. Sewage, storm water management and roadways are also part of this overall project.

Project Contact: Larry Rosenberg, The Mark Building Co. (410-654-5650 ext. 13, lir@markbuilding.com)



U.S. Coast Guard Operations System Center, Martinsburg, WV

Working with DMJM Architects, Alpha Associates, Incorporated provided site and civil engineering services for this 75,000-square foot building. Services included parking lot design, site grading, site mapping, surveying, drainage design, sewer and water connections and storm water management. Alpha's staff also provided all necessary paperwork for the County's Planned Unit Development process.



Project Contact: Ken Lowe, Ken Lowe Management Co. (304-870-7001, klowe@clarionshepherdstown.com)



ALPHA EXPERIENCE

Berkeley County Judicial Center | 2007

Engineering Case Study
Berkeley County Judicial Building
Martinsburg, WV

Alpha Associates, Incorporated provided complete surveying and site plan design for the renovation of the former outlet center into the new Judicial Center, as a consultant to the lead architects. Site work included the relocation of sanitary pumping system, storm water pumping systems, parking lot reconstruction and other site features.

Project Contact:
Ms. Deborah Hammond
Berkeley County Administrator
400 Stephen Street
Martinsburg, WV 25401
304-264-1923

At a Glance

CLIENT: DMJMH&N Architects
LOCATION: Martinsburg, WV
COMPLETION DATE: 2007
SIZE: 122,606 sq. ft.
CONSTRUCTION COST: \$36,000



Project Experience: Design/Build

Advanced Surgical Rehabilitation Hospital

Services Provided:

- Mechanical
- Electrical
- Plumbing
- Nurse Call
- Fire Protection/Alarm

Estimated Budget: \$13M
Facility Area: 67,000 ft²
Owner: AOR Group



Interactive collaboration with the physician owners and contractor was the guiding principal behind the success of this project. Each and every system within the hospital was designed for and met precise health care compliance standards. Specifications for ventilation, electric, plumbing, HVAC and medical gas safety were all applied to the constructable design. Quality assurance and design aspects were satisfied by regular and customary site visits as well as consistent communication with the contractor. Our complete assessment process enabled the client to meet a fast-paced construction deadline which if missed would have had severe government regulatory repercussions and detrimental business outcomes.

Project Contact:
Rick Briggs
Lutz Myers & Associates, Inc.
(724) 758-5455

Project Experience: Renovation

WVU Chestnut Ridge Research Building

Services Provided:

- MEP Engineering
- Fire Protection
- Fire Alarm
- Telephone/Data

Estimated Budget: \$610K

Facility Area: 5,700 ft²

Owner: West Virginia University



The retrofit of approximately 5700 ft² of previous storage space into usable office/conference space was successfully achieved. The Owner wanted a finished look using concealed overhead mechanical systems, so the MEP systems had to be aesthetically and architecturally appropriate while working around existing building systems such as existing roof drain leaders within the space. The existing systems were successfully reused as much as possible to help control project costs. A full restroom and kitchen area was developed to meet the needs of the occupants, while extensive detailing of system components and aggressive Construction Administration resulted in a highly successful project.

Project Contact:
Paul Whiteman, AIA – Facilities Manager
West Virginia University
(304) 293-8134

Project Experience: Adaptive Renovation

MedExpress National Headquarters

Services Provided:

- Mechanical
- Electrical
- Plumbing
- Fire Protection/Alarms

Estimated Budget: \$12M

Facility Area: 31,000 ft²

Owner: MedExpress, Inc.



A full mechanical, electrical and plumbing upgrade was necessary for this former grocery store in order to meet the needs and demands of the client's use. A full computational model of the building and the new floor plan revealed that use of rooftop units of varying configurations would effectively condition the facility. Variable air volume (VAV) and constant volume systems were utilized to accomplish this goal.

In addition, a dedicated air system was required for the critical corporate data center which would also accommodate both the current system load and anticipated growth of the owner. Halon systems, extensive fire and alarm systems, were installed to bring the facility to safety and state regulation codes.

The critical corporate data center also required the design of a full standby power system with generator, uninterruptible power supply and transient voltage surge suppression. All project goals were met and the project was a success.

Project Contact:

Paul Slowik, AIA

PSA Architects

Phone: (412) 367-7770

Project Experience: HVAC Renovation

Dominion Post Building

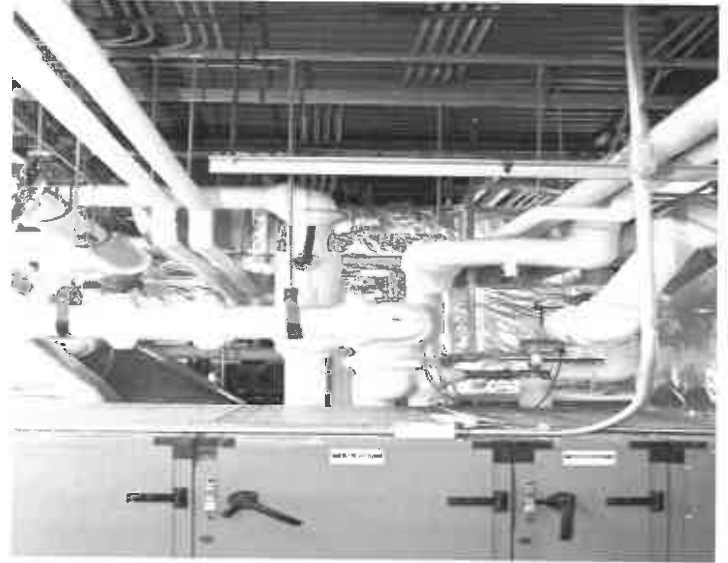
Services Provided:

- Mechanical
- Electrical
- Construction
- Administration
- HVAC Upgrade

Estimated Budget: \$1.8M

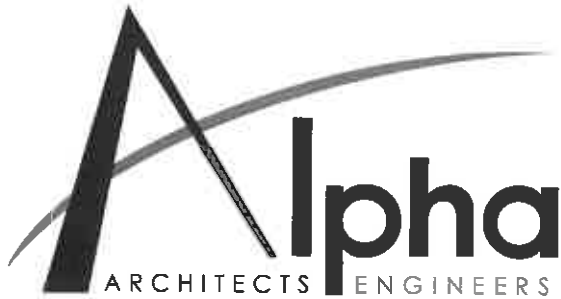
Facility Area: 18,000 ft²

Owner: Greer Industries, Inc.



During a field study, Miller 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.

Project Contact:
Chris Halterman, Director of Operations
Greer Industries, Inc.
Phone: (304) 376-2642



REFERENCES

David Hildreth
State of West Virginia
900 Pennsylvania Ave. Room 512
Charleston, WV 25302
304-558-0510

Scott Owen
West Virginia University
P.O. Box 6572
Morgantown, WV 26506
304-293-4841

Jim King
WV Higher Education Policy Council
1018 Kanawha Boulevard, East, Suite 700
Charleston, WV 25301-2800
(304) 558-0281 ext. 206

Robert P. Krause
State of West Virginia
1900 Kanawha Blvd. E.
Building 1, Room MB-60
Charleston, WV 25305
304-558-9018

Frank Blackwell, Superintendent
Wyoming County Schools
PO Box 69
Pineville, WV 24874-0069
304-732-6266

"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 your planning, coordination, and completed projects have been exceptional and outstanding in every regard.

Robert Hammel, Former Director
Morgantown Municipal Airport



We provide Solutions. You can expect Excellence.

Client References

What our satisfied customers have to say...

"I chose Miller Engineering because they are not a purely design based firm. They have real world construction experience and the work ethic to ensure that the project is completed on time, on budget. I have confidence that my agency's interest is well served in design and in construction contract administration. I cannot say that about every firm I have worked with."

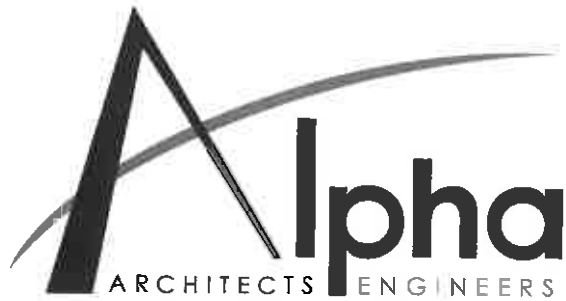
--Bradley S. Leslie, PE

"Hard working, very customer oriented, diligent and your team at Miller Engineering will do 'whatever it takes' 24/7 to meet our needs or any customers' needs. Willing to come in on days off, weekends, nights, and holidays - no questions asked!"

--Christopher T. Halterman

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For More Information Contact - Miller Engineering, Craig Miller, PE
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QUALITY CONTROL

Alpha Associates, Incorporated is an Architecture and Engineering firm that provides services in the areas of Architecture, Structural Engineering, Civil Engineering, Surveying, Construction Administration, and Project Management. Alpha's architects and engineers have recent, relevant project experience that enables your project to be completed on time and within budget.

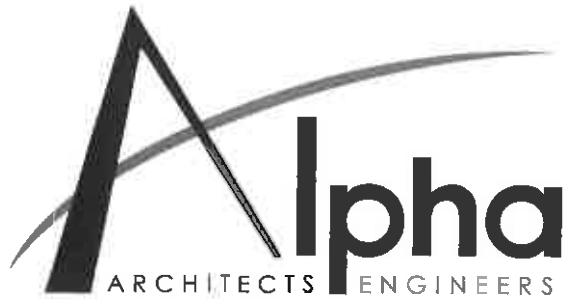
Alpha is a principal driven company with a staff that is large enough to handle any size project, yet small enough to provide the personal detail and supervision to successfully complete your project. We are available to you long after the completion of your project. Our staff is committed to working with an established project time frame and budget.

Alpha works under a project management system wherein each project is assigned a project manager and a principal of the firm. Internal bi-weekly project management meetings serve as a tool to discuss the preceding weeks' activities, planned activities, project budgets, and estimated time schedules and personnel utilization. Adherence to this process helps to insure that a client's concerns are addressed in a timely fashion aiding in the delivery of a successful project.

Prior to releasing projects for bidding, each project receives a Principal's review. The Principal-in-Charge of the project and the Project Manager conduct the review, which involves a complete evaluation of all internally produced and consultant produced construction documents. Alpha's construction administration staff performs a second assessment to examine constructability and coordination issues from the perspective of the construction field staff.

In addition to project management meetings, design principals have weekly team meetings to review all project schedules and all personnel utilization resulting in the overall best use of personnel in order to complete all projects on time.

Your project benefits from the unique combination of convenient access, extensive experience, key owner/principal commitment, and a competitive price structure. Select Alpha Associates, Incorporated for a well coordinated, timely and high quality project.



COST AND SCHEDULE CONTROL

Alpha Associates, Incorporated has an excellent track record of producing projects on time and within the Owner's budget. Many architectural 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.

CERTIFICATION AND SIGNATURE PAGE

By signing below, or submitting documentation through wvOASIS, I certify that I have reviewed this Solicitation in its entirety; understand the requirements, terms and conditions, and other information contained 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, Incorporated
(Company)

[Handwritten Signature]
(Authorized Signature) (Representative Name, Title)

304-296-8216/304-296-8216/5-7-15
(Phone Number) (Fax Number) (Date)

STATE OF WEST VIRGINIA
Purchasing Division

PURCHASING AFFIDAVIT

MANDATE: 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 exceed 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 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, Incorporated

Authorized Signature: [Signature] Date: 5-7-15

State of West Virginia

County of Morgan, to-wit:

Taken, subscribed, and sworn to before me this 7th day of May, 2015

My Commission expires Aug 4, 2019

NOTARY PUBLIC [Signature]

