



A/E SERVICES FOR CAMP DAWSON AIRFIELD SUPPORT FACILITIES

CEOI 0603 ADJ20000000007

Architectural & Engineering Services
Public Notice Date: March 16, 2020
Submission Date: April 16, 2020
EXPRESSION OF INTEREST



RECEIVED

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WV PURCHASING
DIVISION



CONTACT

Address

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

Phone & Fax

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

Online

Email: rick.colebank@thinkALPHAfirst.com

Website: www.thinkALPHAfirst.com



April 15, 2020

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

Attn: Tara Lyle

RE: CEOI 0603 ADJ20000000007
Camp Dawson Airfield Support Facilities

Dear Ms. Lyle,

Alpha Associates, Incorporated team is pleased to submit our qualifications to provide architectural and engineering services for the renovations the Airfield Support Facilities at Camp Dawson located in Kingwood, West Virginia. We have established a strong team for this important project. Alpha's past experience with similar projects including the designing the original three dormitories currently being utilized by the Challenge Academy, along with our intimate knowledge of Camp Dawson make us a perfect teaming partner for you on your completion project.

Since 1969, Alpha has partnered with numerous Federal, State, and local governments to provide architectural and engineering services for projects around West Virginia, including several projects at Camp Dawson. In addition to our experience with Camp Dawson, Alpha has completed renovation projects of varying types and sizes, including more than 800,000 square feet of renovations at the WVU Health Sciences Center. This work ranged from small renovations of less than 200 square feet to large and very complicated renovations. These larger projects required not only architectural design but significant structural and mechanical and electrical modifications.

Design Team

Alpha is a West Virginia owned and operated architectural and engineering design firm with locations in Morgantown, and Martinsburg. Our 22-person professional staff includes architects, civil and structural engineers, surveyors, cost estimators, construction representatives, landscape designers, interior designers, and technicians. The personnel that will be dedicated to your project are highly

qualified professionals and support staff with the technical expertise to meet and exceed expectations of this project. This project will be managed from Alpha's Corporate Office located in Morgantown, West Virginia. Alpha's Office in Morgantown is approximately 45 minutes from the site. This allows us to offer the WV National Guard and Camp Dawson a cohesive design team for a seamlessly completed project. Alpha has partnered with HF Lenz to perform the mechanical and electrical designs. Alpha has a successful partnership with HF Lenz that's developed over a decade and has included numerous projects. This successful history allows us to provide the WVARNG with a cohesive team on this project.

Project Understanding

The Army National Guard is looking to partner with a firm to renovations services to Buildings 401 and 406. This project will include a full renovation of Building 406 to include a new floor plan, HVAC, as well as new interior doors, LED lighting and new office spaces and an additional lounge. The renovations to Building 401 will only include HVAC, and exterior doors and windows.

Summary

The Alpha Team is looking forward to building a successful relationship with the WV Army National Guard and the State of West Virginia by providing excellent service at affordable costs. Our dedicated team of professionals will make your project a priority. If you would like to further discuss this upcoming project, please contact me at (304) 296-8216 ext. 102.

Sincerely,

ALPHA ASSOCIATES, INCORPORATED



Richard A. Colebank, PE, PS

President and COO

rick.colebank@thinkalphafirst.com

WELCOME TO ALPHA ASSOCIATES, INC.

FIRM PROFILE

Contract Role: Prime
Architect & Engineer

Address
09 Prairie Ave
organtown, West Virginia 26501
35 West King Street
artinsburg, West Virginia 25401

Number of Employees
2

Principals

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

Services

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



H.F. Lenz Company

H.F. Lenz Company was established 1946 in its present form, under the name H.F. Lenz Company, R.E., and in 1953 the company was incorporated, as a Private Corporation, in Pennsylvania as H.F. Lenz Company. Our projects span the nation, with the heaviest concentration in the Northeast, and exceed \$530 million in MEP, Civil and Structural construction annually. Each market sector—corporate, government, health care, education, and industry—is served by a team of specialists who understand the unique needs of the clients they serve. Our staff consists of 160+ individuals, including 49 Licensed Professional Engineers and 20 LEED Accredited Professionals. Our headquarters is in Johnstown and Labanon, Pennsylvania with branch offices in Pittsburgh, Pennsylvania Conneaut, Ohio, and Middletown, Connecticut.

Johnstown Headquarters

107 Scalp Avenue
Johnstown, PA 15904
Phone: 814-269-9300
Fax: 814-269-9301

Pittsburgh Office

151 Brinton Road
Pittsburgh, PA 15221
Phone: 412-371-9073

Central Pennsylvania Office

9 North Mine Road
Labanon, PA 17042
Phone: 717-461-3916

Ohio Office

12 State Street
Conneaut, OH 44030
Phone: 440-599-7800
Fax: 440-599-7801

Connecticut Office

101 Centerpoint Drive
Suite 237
Middletown, CT 06457
Phone: 860-316-2124

DISCIPLINES/SERVICES OFFERED IN-HOUSE INCLUDE:

- › Mechanical Engineering
- › Electrical Engineering
- › Data/Communications Engineering
- › Fire Protection / Life Safety Engineering
- › Structural Engineering
- › Civil Engineering
- › Surveying
- › GIS
- › Construction Phase Services
- › Commissioning and Training
- › 3D CADD with Full Visualization
- › Energy Modeling
- › Sustainable design/LEED Services
- › Building Information Modeling (BIM)

AVIATION FACILITIES

H.F. Lenz Company has extensive experience in the design of aviation facilities of various types for both private and public clients. This experience includes a new terminal building at Williamsport Regional Airport, as well as projects at the Erie International Airport (Tom Ridge Field), Greater Pittsburgh International Airport, John Murtha Johnstown-Cambria County Airport and facilities for several large corporate clients and governmental agencies such as the Ohio National Guard, U.S. Air Force, U.S. Army, and the Pennsylvania Air National Guard. Our team's experience ranges from a new 80-acre aviation facility, to a new regional maintenance facility for military vehicles of all types and sizes, to a new pressurized hydrant fueling system, to hangars for both fixed wing and rotary wing aircraft, to various renovation and upgrade projects for an International airport.

We are thoroughly familiar with current FAA standards and procedures, as well as with Pennsylvania Building Codes and NFPA standards.

ALPHA ASSOCIATES, INC. STATEMENT OF QUALIFICATIONS

Alpha Associates, Incorporated is an Architectural and Engineering design firm that provides services in the areas of Architectural Design, Civil Engineering, Structural Engineering, Landscape Design, Interior Design, Construction Administration, Project Management, and Surveying. Our clients benefit from our unique combination of extensive design and construction experience, advanced technical tools, dedicated principals and highly skilled staff members.

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

Alpha has a successful relationship with Camp Dawson that's developed over a decade and has included more than 8 projects. This successful history allows us to provide the State and the West Virginia Army National Guard with a cohesive team on this project. Alpha has the knowledge and understanding in design and construction to complete this project seamlessly from the initial project inspections to the development of plans. The Alpha team will be your expert for this project.

Alpha's philosophy has always been to provide exemplary services for fair fees. We have always believed that the best way to succeed as a business is to go above and beyond the basic requirements of our contracts and do everything necessary to successfully complete the given project. What is best for the client is inevitably best for us too.

Everyone at Alpha, from the President to the administrative staff, all work towards the goal of completing successful projects. Our principals are involved with projects from the earliest stages right through final completion and beyond. They will consistently update you on your project by using effective communication tools to manage the projects and all the involved parties. Our skilled staff of twenty two (22) architects, engineers, surveyors and administrative personnel all work diligently towards producing the drawings and specifications that will deliver our clients successful projects, completed on time and within budget.

Alpha has thrived for 51 years because we are a professional organization dedicated to providing superior architectural and engineering design services to our clients. While our staff is large enough to handle any size project, we are also small enough to give each and every one of our projects the individual attention to detail that will make them successful projects for our clients.

THINK ALPHA FIRST.

STAFF PLANNING

TO BE ASSIGNED YOUR PROJECT.

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



Richard A. Colebank
PE, PS
President & COO



Rebecca Key
AIA, LEED-AP
Director of Architecture



Casey Smith
AIA Associate
Architectural Designer



Thomas Deter
PE, LEED-AP
Mechanical Engineer



Steven Mulhollen
PE
Electrical Engineer



John Stewart
PE, LEED AP
Mechanical Engineer



Gregory Rummel
CPD
Plumbing/Fire
Protection Designer



George McMillan
PE
Electrical Engineer

MEET ALPHA'S TEAM.

MANAGERS

Richard W. Klein
PE, PS
Chairman & CEO

Richard A. Colebank
PE, PS
President & COO

ARCHITECTURE

Rebecca Key
AIA-LEED-AP
Director of
Architecture

Casey Smith
AIA Assoc.
Architectural Designer

Todd Lewis
AIA Assoc.
Architectural Technician

Gabrielle Dixon
Architectural
Technician

Alex Hail
Construction
Administration

CIVIL ENGINEERING

Charles Branch
PE; Principal
Senior Civil Engineer

Bradley Casdorff
PE, PS
Civil Engineer

Tom Simpson
PE
Civil Engineer

David Costello Jr.
PS
Manager of Surveying

Julie Frazee
Engineering Technician

Kevin McCung
Engineering Technician

Barbara Kerns
Survey Crew

Tyler Collins
Survey Crew

STRUCTURAL ENGINEERING

Charles Luttrell
PE, Principal
Senior Structural Engineer

Matthew Echard
PE
Associate Structural Engineer

Cody James
Engineering Technician

OFFICE ADMINISTRATION

Heather Fox
Business Manager

Kayla Facemire
Marketing Coordinator

Kim Coomler
Administrative Assistant

MECHANICAL, ELECTRICAL, PLUMBING

Thomas Deter
PE, LEED-AP
Mechanical Engineer

Steven Mulhollen
PE
Electrical Engineer

John Stewart
PE, LEED AP
Mechanical Engineer

George McMillan
PE
Electrical Engineer

Gregory Rummel
CPD
Plumbing/Fire Protection Designer

SCHEDULE AND BUDGET.

Alpha Associates, Incorporated has an excellent track record of producing projects on time and within the owner's budget. Many A/E firms can claim the same successes, but the determining factor is the tools the firms utilize to achieve the budgets, both in regard to funds and time. Alpha utilizes a number of tools, both traditional and modern to exceed our clients' expectations.

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

- Preferred construction method
- Changes to project scope
- Unique construction elements

The Alpha Team has an excellent track record of meeting project design deadlines. Alpha recently completed construction on a project in Morgantown that went from design to completion in just over 12 months. This project was completed for a private developer and had a construction cost in excess of \$20 million.

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

Developing an overall project schedule is a critical task that must take into account many factors: building type, owner's desire for occupancy, scope of work and level of documentation, whether contract(s) is bid or negotiated, available fee, and prior experiences on similar projects. Characteristic of the client, its organization, or the involvement of a construction manager and his responsibility for document review must also be considered.

This starts with a kick-off meeting which establishes ground rules, responsibilities, and line of communication. We have found that a team visioning session is a great way to get everyone started off on the right track. Determining a project schedule is a task that must be done with all parties involved in the process. Once the design process begins, a very detailed, realistic project schedule can be developed and communicated to all involved.

In a world where "time is money", the schedule of a project is almost as important as controlling the cost. Alpha also works diligently to control the budget of a project. The best way to control the cost of a project is to avoid the "scope creep" that can occur.

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

CAPACITY & SOFTWARE.

OUR CAPABILITIES

Alpha Associates, Incorporated is prepared to commit staff resources to the Building 215 Renovation Project. Alpha has the qualified and experienced personnel, administrative support, along with the production equipment and resources to ensure the successful completion of this project. We are confident in our ability to provide the WVARNG with a committed and dependable design team. Our multidisciplinary design team is prepared to meet and exceed the expectations of the State by committing any resources necessary to meet the project schedule.

USING THE LATEST SOFTWARE

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

- AutoCAD 19
 - REVIT (Editions up to 2020)
 - Civil 3D
 - RISA 3D
 - RISA Floor
 - RISA Foundation
 - MathCAD
 - D4I Phantom 4 RTK Drone
 - Autodesk Suite
 - Enercalc
 - AutoTURN
 - TopCon GR5 GPS System
 - TopCon Total Station with Reflectorless Capabilities
 - Carlson Surveyor & Data Collector
-



RICHARD A. COLEBANK

PE,PS; PRESIDENT & COO

☎ 304-296-8216 | 800-640-8216

✉ rick.colebank@thinkalphafirst.com

EMPLOYMENT HISTORY

1985-Current | Alpha Associates, Inc.

1983-1985 | Charles Townes & Associates, P.C.

1983 | US Army Corps of Engineers

EDUCATION

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

QUALIFICATIONS

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

Professional Surveyor: West Virginia

Certified Private Pilot

AFFILIATIONS

Former NSPE/PEPP Governor of WV

American Red Cross- State Board

University High School Foundation; Charter Member; President

Morgantown Area Chamber of Commerce; Past Chairman

WVU College of Civil and Environmental Engineering Visiting Committee

WVU College of Business and Economics MBA Advisory Committee

SUMMARY

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

PROFILE

Board-based responsibilities in the following areas:

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

PROFESSIONAL HIGHLIGHTS

Project Principal:

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



RICHARD W. KLEIN

PE, PS; CHAIRMAN & CEO

☎ 304-264-0051 | 877-264-0051

✉ richard.klein@thinkalphafirst.com

EMPLOYMENT HISTORY

1995-Present | Alpha Associates, Inc.

1974-1995 Kelley, Gidley, Blair and Wolfe, Inc.

EDUCATION

University of Charleston
Masters of Business Administration; 1987

West Virginia Institute of Technology
Bachelor of Science- Civil Engineering;
1973

QUALIFICATIONS

License: Professional Engineer: West Virginia, Maryland, South Carolina

Professional Surveyor: West Virginia

AFFILIATIONS

WV Society of Professional Engineers
National Society of Professional Engineers
American Society of Civil Engineers
American Water Works Association
Water Pollution Control Federation
Main Street Martinsburg; Member
Shepherdstown Rotary Club
WVU Medicine, University Healthcare
Foundation Executive Board
For the Kids George Children's Museum

SUMMARY

Mr. Klein, in addition to Chairman & CEO, serves as Regional Manager and Civil Engineer of our Martinsburg office. He has more than 43 years of experience in Civil Engineering Design, Construction Phase Services, Project Management and Operations Management. During the past 29 years, Mr. Klein worked on numerous projects in the Eastern Panhandle serving districts in Berkeley, Jefferson, and Morgan counties; industries such as Winchester and Western Railroad, Halltown Paperboard, Millville Quarry, ESSROC and major developments including Liberty Business Park, Coast Guard Operations Systems Center and the Eastern Management Development Center.

PROFILE

Board-based responsibilities in the following areas:

- Municipal Engineering
- Site Planning
- Storm Water Management
- Water Distribution Systems
- Waste Water Collection and Treatment
- New Business Development

PROFESSIONAL HIGHLIGHTS

Civil Engineering Projects:

- Shepherd University Pedestrian Underpass; Shepherdstown, WV
- Washington High School; Charles Town, WV
- Harpers Ferry/Bolivar WWTP Design Improvements
- Bradstone-Shenandoah Casting Plant Site Plan
- TB&H Ready-Mix Concrete Plant Site Design
- The Woods Home Owners Association Water System Analysis
- Shepherd College Interceptor Sewer; Shepherdstown, WV
- Martinsburg Roundhouse Site Design; Martinsburg, WV
- Cumberland Valley Railroad Department; Martinsburg, WV
- Halltown Paperboard Company, Wastewater Treatment Plant
- Corp. of Shepherdstown, Renovation of Main Sewage Pump Station
- Martinsburg Little League Fields; Martinsburg, WV
- Berkeley Co. Court House, Parking Lots and Guard House
- Swift Transportation Truck Depot Site Plan
- Eastern Management Development Center; Shepherdstown, WV
- Berkeley Springs Water System Improvements Phase 1, 2, and 3
- Rt. 522 Southm Water and Sewer System Extensions; Morgan County
- Colonial Hills Subdivision; Jefferson County, WV
- Quail Ridge Subdivision; Berkeley County, WV



CHARLES B. BRANCH

PE; PRINCIPAL & CIVIL ENGINEER

☎ 304-296-8216 | 800-640-8216

✉ chuck.branch@thinkalphafirst.com

EMPLOYMENT HISTORY

1992-Current | Alpha Associates, Inc.

1988-1992 | Reimer, Muegge, & Associates, Inc.

EDUCATION

West Virginia University
Bachelor- Civil Engineering; 2000

Fairmont State College
Bachelor- Architectural Engineering
Technology; 1988

QUALIFICATIONS

License: Professional Engineer;
West Virginia

AFFILIATIONS

WV Society of Professional Engineers
National Society of Professional Engineers

SUMMARY

As Chief Engineer for site development and planning projects, Mr. Branch is a vital part of the design process at Alpha. His involvement spans from strictly civil engineering projects, to the design of large scale educational projects and medical facilities. Mr. Branch acts as peer review for young engineers in the firm on issues ranging from storm water management to site design. Mr. Branch is also involved in commercial and residential development design, roadway and bridge design and utilities layout.

PROFILE

Board-based responsibilities in the following areas:

- Highway Design
- Municipal Engineering
- Wastewater Collection
- Storm Sewer System Design
- Storm Water Management
- Site Engineering
- Project Management

PROFESSIONAL HIGHLIGHTS

Civil Engineer/Project Manager:

- Jane Lew Truck Stop; Jane Lew, WV
- Clarksburg State Office Building; Clarksburg, WV
- WVU Reedsville Farm Redevelopment; Morgantown, WV
- Freedom Automotive Group Dealerships; Morgantown, WV
- Freedom Kia; Clarksburg, WV
- WVU Parking Lot 81 Renovations; Morgantown, WV
- WVU Doll's Run Burn Room; Morgantown, WV
- WVU Alumni Center Parking Lot; Morgantown, WV
- WVU Alumni Center Storm Water Management; Morgantown, WV
- WVU Evansdale Redevelopment; Morgantown, WV
- WVU Health Sciences Center Eastern Division; Martinsburg, WV
- Blackshere Bridge; Mannington, WV
- WVDOH I-77 Welcome Center; Williamstown, WV
- WV Medal of Honor Recipients Plaza; Hazleton, WV
- Lewis County High School Bridge; Weston, WV
- Wyoming County Route 10 Relocation; Wyoming County, WV
- Fairmont Federal Credit Union; Bridgeport, WV



CHARLES B. LUTTRELL

PE; PRINCIPAL & STRUCTURAL ENGINEER

☎ 304-296-8216 | 800-640-8216

✉ charlie.luttrell@thinkalphafirst.com

EMPLOYMENT HISTORY

1996-Current | Alpha Associates, Inc.
1995-1996 | Larry D. Luttrell, PE, PhD
1991-1994 | West Virginia University
1990-1991 | WVU Constructed Facilities Center

EDUCATION

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

QUALIFICATIONS

License: Professional Engineer: West Virginia,
Pennsylvania

AFFILIATIONS

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

RESEARCH EXPERIENCE

Cold Formed Steel Deck Research
Fastener Failures
Edge Conditions/Failures
Buttressed Overlap Shear Failures

Composite Cold Formed Steel and
Concrete Deck
Line Load Behavior/Failures
Concentrated Load Behavior/Failures
Web Crippling
Punch Failures

SUMMARY

Mr. Luttrell has worked with Alpha Associates, Inc. since 1996. He is the chief structural engineer on all projects at Alpha. Before coming to Alpha, Mr. Luttrell's graduate work resulted in several contributions to the cold-formed steel deck industry. His new method of analysis for non-uniform loads on composite concrete and cold formed steel decks has made a permanent part of the Steel Deck Institute's design manual. Mr. Luttrell also worked on projects that involved pre-stressed timber bridge research with WVU Constructed Facilities Center. Since coming to Alpha, Mr. Luttrell has had significant involvement in the effort to begin utilizing modern composite materials in practical bridge applications.

PROFILE

Borad-based responsibilities in the following areas:

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

PROFESSIONAL HIGHLIGHTS

Structural Engineer:

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



REBECCA KEY

AIA, LEED-AP; DIRECTOR OF ARCHITECTURE

☎ 304-296-8216 | 800-640-8216

✉ rebecca.key@thinkalphafirst.com

EMPLOYMENT HISTORY

2000-Current | Alpha Associates, Inc.
1983-1999 | Alexander Key and Associates
1978-1983 | Webster Clothes;
Director of Store Planning

EDUCATION

University of Maryland
Bachelor of Architecture; 1977
Maryland Institute College of Art
Coursework in Furniture Design; 1986-1987

QUALIFICATIONS

License: Registered Architect: West
Virginia, Maryland, Washington DC, New York,
Virginia, Pennsylvania
NCIDQ Certified (Interior Design)
Leadership in Energy and Environmental
Design Accredited Professional
Meet Standards of Secretary of the
Interior for Historic Architecture

AFFILIATIONS

American Institute of Architects
West Virginia Society of Architects
Fairmont, WV ICC Board of Appeal;
Board Member
U.S. Green Building Council
AIA Liveable Communities
Marion County Chamber of Commerce
Leadership Kanawha Valley
Class of 2014

SUMMARY

Ms. Key has worked in the architectural field for over 35 years. She serves as Project Architect/Project Manager for numerous architectural designs at Alpha Associates, Inc. Ms. Key is involved from the programmatic stages and schematic designs all the way through construction documents to construction administration. Having been with Alpha since 2000, Ms. Key has provided design services on numerous projects that have contributed to the ever-growing skyline of Morgantown, Charleston, Bridgeport, and other areas around the state.

PROFILE

Borad-based responsibilities in the following areas:

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

PROFESSIONAL HIGHLIGHTS

Education:
Ridgedale Elementary; Morgantown, WV
Mountaineer Middle School; Morgantown, WV
Pineville Elementary; Pineville, WV
Huff Consolidated School; Hanover, WV
Historic Renovations:
Cass Scenic Railroad- Clubhouse Renovation; Cass, WV
Berkeley Springs Bathhouse; Berkeley Springs, WV
Hawks Nest State Park Picnic Pavillion; Arnstead, WV
Hawks Nest State Park CCC Museum; Arnstead, WV
Recreation:
Ruby McQuain Amphitheater; Morgantown, WV
North Fork Hughes Rover State Park; Ritchie County, WV
Dormitory and Multi-Family
Fairmont State University Prichard Hall Renovation; Fairmont, WV
WVU Boreman Hall; Morgantown, WV
Augusta Apartment Building; Morgantown, WV
Grand Central Apartment
Municipal & State Government
WV State Office Building; Clarksburg, WV
Mon County Family Court Renovation; Morgantown, WV
Mon County Sheriff's Department; Morgantown, WV
White Hall Municipal Building; White Hall, WV
WV State Office Building; Parkersburg, WV



BRADLEY CASDORPH

PE, PS; CIVIL ENGINEER

☎ 304-296-8216 | 800-640-8216

✉ brad.casdorph@thinkalphafirst.com

EMPLOYMENT HISTORY

2004-Current | Alpha Associates, Inc.
1979-2004 | Triad Engineering, Incorporated

EDUCATION

West Virginia University
Masters - Soil Conditions & Foundation
Design; 1982
Bachelor - Civil Engineering; 1979

QUALIFICATIONS

Licenses: Professional Engineer: West Virginia
Professional Surveyor: West Virginia
Certified Private Pilot

AFFILIATIONS

ASCE - Society of Professional Engineers
Professional Society of Professional Engineers
ASPS - Mountain Region Chapter
Aircraft Owners and Pilots Association

SUMMARY

Mr. Casdorph joined the Alpha Associates, Incorporated team in 2004 and currently works as a project engineer in the Morgantown office. He has 37 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:

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

Surveying:

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



MATTHEW T. ECHARD

PE; STRUCTURAL ENGINEER & ASSOCIATE

☎ 304-296-8216 | 800-640-8216

✉ matthew.echard@thinkalphafirst.com

EMPLOYMENT HISTORY

2016-Current | Alpha Associates, Inc.
2010-2015 | Echard ingenieurBuro
2006-2009 | Buro Happold Consulting Engineers
2003-2006 | RISA Technologies, Inc.
2000-2003 | Zaldastani Associates, Inc.

EDUCATION

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

West Virginia University
Bachelors of Science- Civil Engineering,
2000

QUALIFICATIONS

License: Professional Engineer:
West Virginia, California

California OES SAP Evaluator

AFFILIATIONS

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

PUBLICATIONS

Echard, M. and Tonis, D. Convergent Design
Methodology for Bio-Science Labs:
Architectonic and Performative Structural
Considerations Using the Geilinger Composite
Column Solution. Proceedings of ICSA2010-
First International Conference on Structures
and Architecture Guimaraes, Portugal, July
2010, Taylor & Francis.

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

SUMMARY

Mr. Echard joined Alpha Associates, Inc. in early 2016 with a strong belief that his clients deserve intelligent, performance-based and value-oriented solutions. Drawing on experience working across in the United States, Europe, and the Middle-East, Mr. Echard returned to West Virginia to provide world-class service in a historically underserved region while making positive contributions to the future growth of his home state. Mr. Echard places a large value on the collaborative work process, believing that a building's form and function are derived from many contexts, Mr. Echard's office is located in the corporate office in Morgantown, WV.

PROFILE

Borad-based responsibilities in the following areas:

- Structural Engineering
- Structural Forensics
- Project Management

PROFESSIONAL HIGHLIGHTS

Project Manager & Structural Engineer:

- Westover Goodwill Structural Design; Morgantown, WV
- Weyerhaeuser Roof Evaluation; Heaters, WV
- Los Mariachis UTC; Morgantown, WV
- WVU Creative Arts Center Performance Access; Morgantown, WV
- WVU Mountain Lair Grid Iron Assessment; Morgantown, WV



CASEY SMITH

AIA ASSOC.; ARCHITECTURAL DESIGNER

☎ 304-296-8216 | 800-640-8216

✉ casey.smith@thinkalphafirst.com

EMPLOYMENT HISTORY

2016-Current | Alpha Associates, Inc.

2014-2016 | MSES Architects

2011-2014 | Blackwood Associates

2007-2009 | Vandalia Heritage Foundation

EDUCATION

Boston Architectural College
Master of Architecture

Fairmont State University
Bachelor- Architecture
2009

SUMMARY

Mr. Smith has been employed with Alpha Associates, Inc since 2016. He has worked on several architectural projects including multi-million dollar projects and public sector clients. Mr. Smith came to Alpha with an impressive background in educational, commercial, and local government facilities. He has offered assistance in project management, using his background to further improve the quality of each project he is involved with. Mr. Smith has been an incredible asset to Alpha Associates and proves to be an asset in each of his projects.

PROFILE

Board-based responsibilities in the following areas:

- Architectural/Structural Construction Drawings
- Construction Administration
- Project Management Assistance

PROFESSIONAL HIGHLIGHTS

Construction Administration Projects:

- Cacapon State Park Lodge Renovation
- Los Mariachis New Restaurant; Morgantown, WV
- Freedom Ford Automotive Dealerships; Granville, WV
- Elkins Fordland; Elkins, WV
- Federal Group GSA VA Tenant Improvement Project
- Point Marion ADA Deck; Point Marion, PA
- Los Mariachi Renovation; Morgantown, WV
- WVU Hazel Ruby McQuain Education & Resource Center; Reedsville, WV



Thomas F. Deter, P.E., LEED AP

Principal-in-Charge

Mr. Deter has over 30 years of experience and is responsible for the engineering design of all trades, the supervision of senior designers, the preparation of reports to determine optimal systems and/or equipment selections, and the coordination and checking of contract documents for completeness and quality. He has extensive experience in the design of building systems for both new buildings and building retrofits for both DOD facilities and Airfield Support Buildings

EDUCATION

Bachelor of Science, Electrical Engineering Technology, 1987,
University of Pittsburgh at Johnstown

EXPERIENCE

H.F. Lenz Company 1992-Present •
Parfitt/Ling Consulting Engineers
1990-1992 • Gary Johnston &
Assoc., Inc. 1987-1990

PROFESSIONAL REGISTRATION / CERTIFICATION

Licensed Professional Engineer in
Pennsylvania, Arkansas, Idaho
Illinois, Indiana, Maryland,
Nebraska, New Jersey, North
Carolina, Ohio, Oklahoma, Oregon,
South Dakota, Virginia, and West
Virginia • LEED Accredited
Professional

PROFESSIONAL AFFILIATIONS

NSPE/PSPE • U.S. Green Building
Council

PROJECT EXPERIENCE

Camp Dawson, U.S. Army National Guard, Kingwood, West Virginia

- › Three new billeting facilities

University Park Airport – State College, Pennsylvania

- › University Park Airport Terminal Expansion study and design services for new building

U.S. Army Reserve Center Aviation Facility, Johnstown, Pennsylvania

- › New 120,000 sq.ft., multi-building reserve center including a new training building and hangar facility

Pennsylvania Air National Guard, 258th Air Traffic Control Squadron, Johnstown, Pennsylvania

- › Repair of the Composite Support Facility B258 at the John Murtha Johnstown – Cambria County Airport, a civil-military public airport. IAP ANG base Various projects have also been completed at the Pittsburgh

Pennsylvania Air National Guard, 171st Air Refueling Wing, Pittsburgh, IAP, ANG

- › Water Distribution System Repairs, Heating System repairs to Buildings H301 & H302 & H302A, Aircraft Apron Repairs

911th Airlift Wing, U.S. Air Force Reserve Command, Coraopolis, Pennsylvania

- › New hazardous waste storage building; Renovation of Aerial Port Building; Renovations to the Hangar Building; Renovations to the Base Exchange; Renovations to the gas station and a new vehicle wash addition; Replacement of the Base fire/security alarm system

Pennsylvania National Guard, Johnstown, Pennsylvania

- › New 23,560 sq.ft. facility with approximately 8,000 sq.ft. of office space and eight vehicle maintenance bays



Steven P. Mulhollen, P.E.

Project Engineer

Mr. Mulhollen is experienced in the design of power distribution systems, control systems, emergency power systems, lighting and emergency lighting systems, fire alarm systems, security, sound, and telecommunication systems for correctional, educational, institutional, industrial, health care, and commercial facilities.

PROJECT EXPERIENCE

Camp Dawson, U.S. Army National Guard, Kingwood, West Virginia

- › Three new billeting facilities

Ohio National Guard, Akron-Canton Regional Airport, Akron, Ohio

- › New 26,400 sq.ft. aircraft storage facility and partial demolition, expansion, and renovations to the existing hangar. The project included the design of a new fire suppression system

911th Airlift Wing, U.S. Air Force Reserve, Greater Pittsburgh International Airport, Coraopolis, Pennsylvania

- › Various renovations and new construction under two term contracts
- › Primary underground site investigation, mechanical, plumbing, electrical, land survey and utility location consulting for 4160V electrical relocation

Pennsylvania Air National Guard, 258th Air Traffic Control Squadron, Johnstown, Pennsylvania

- › Repair of the Composite Support Facility B258 at the John Murtha Johnstown – Cambria County Airport, a civil-military public airport. IAP ANG base Various projects have also been completed at the Pittsburgh

Pennsylvania Army National Guard, Pittsburgh, Pennsylvania

- › Rehabilitation of New Castle Readiness Center
- › Rehabilitation of Crane Readiness Center

Pennsylvania National Guard, Johnstown, Pennsylvania

- › New Regional Maintenance Facility with 23,560 sq.ft. maintenance shop. The project included flammable storage, general storage areas, and an on-site fuel dispensing station

Letterkenny Army Depot, Chambersburg, Pennsylvania

- › Over 100 projects completed under seven consecutive term contracts

EDUCATION

Bachelor of Science, Electrical Engineering, 1988, The Pennsylvania State University

EXPERIENCE

H.F. Lenz Company 1999 – Present
• L. Robert Kimball & Associates
1996 – 1999 • Leach Wallace
Associates, Inc. 1990 – 1996 • E.A.
Mueller, Inc. 1988 - 1990

PROFESSIONAL REGISTRATION / CERTIFICATION

Licensed Professional Engineer in
Pennsylvania, Alabama, California,
Florida, Iowa, Kansas, Kentucky,
Louisiana, Massachusetts, Maryland,
Missouri, Nebraska, Nevada, New
Jersey, New Mexico, New York,
North Carolina, Ohio, Rhode Island,
Tennessee, West Virginia, DC

PROFESSIONAL AFFILIATIONS

Institute of Electrical and Electronics
Engineers, Inc.



John C. Stewart, P.E., LEED AP

Mechanical Engineer

Mr. Stewart has 34 years of experience in the design of HVAC, plumbing, and fire protection systems. His responsibilities have included code compliance verification, schematic layout, calculations, equipment selection, control system selection, specification writing, coordination, life cycle cost analyses, and cost estimating. His experience includes the design of mechanical systems for laboratories, hospitals, educational facilities, industrial plants, and military installations. He has also been involved in the design of chiller and boiler plants.

EDUCATION

Master of Science, Mechanical Engineering, 1995, University of Pittsburgh

Graduate Courses in Facilities Engineering, 1984-1987, Air Force Institute of Technology

Bachelor of Science, Mechanical Engineering, 1984, University of Pittsburgh

EXPERIENCE

H.F. Lenz Company 1995 – Present / Peter F. Loftus Division, Eichleay Engineers, Inc. 1989 – 1996 / Newport News Shipbuilding 1988 – 1989 / U.S. Air Force 1984 – 1988

PROFESSIONAL REGISTRATION / CERTIFICATION

Licensed Professional Engineer in Pennsylvania; LEED Accredited Professional

PROFESSIONAL AFFILIATIONS

American Society of Heating, Refrigerating, and Air-Conditioning Engineers; APPA; U.S. Green Buildings Council

PROJECT EXPERIENCE

Ohio National Guard, Akron-Canton Regional Airport, Akron, Ohio

- › New 26,400 sq.ft. aircraft storage facility and partial demolition, expansion, and renovations to the existing hangar. The project included the design of a new fire suppression system

Pennsylvania Air National Guard, 258th Air Traffic Control Squadron, Johnstown, Pennsylvania

- › Repair of the Composite Support Facility B258 at the John Murtha Johnstown – Cambria County Airport, a civil-military public airport. IAP ANG base Various projects have also been completed at the Pittsburgh

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Pennsylvania National Guard, Johnstown, Pennsylvania

- › New 23,560 sq.ft. facility with approximately 8,000 sq.ft. of office space and eight vehicle maintenance bays

Pennsylvania Army National Guard, Pittsburgh, Pennsylvania

- › Rehabilitation of New Castle Readiness Center
- › Rehabilitation of Crane Readiness Center



Gregory D. Rummel, CPD

Plumbing/Fire Protection Designer

Mr. Rummel has designed complete plumbing and fire protection systems for colleges, schools, office buildings, hospitals, prisons, laboratories, industrial facilities, and military installations. He is fully knowledgeable of NFPA codes and is experienced in the design of wet, dry, preaction, FM200, and deluge fire protection systems. He is responsible for plumbing and sprinkler system design, layout, and calculations; selection and sizing of equipment; cost estimates; and site survey work. Mr. Rummel supervises drafting personnel; coordinates the plumbing design with utility companies, with other trades, and with the Project Engineer and Project Architect; and is responsible for assembling complete and accurate plumbing bid documents which meet H.F. Lenz Company standards.

EDUCATION

Bachelor of Science, Mechanical Engineering Technology, 2000, Point Park College

Associate in Specialized Technology 1984, Architectural Drafting and Construction with CAD Technology, Triangle Institute of Technology

EXPERIENCE

H.F. Lenz Company 1989- Present •
Newport News Ship Building 1984-1989

PROFESSIONAL REGISTRATION / CERTIFICATION

Certified in Plumbing Design, ASPE

PROJECT EXPERIENCE

Ohio National Guard, Akron-Canton Regional Airport, Akron, Ohio

- › New 26,400 sq.ft. aircraft storage facility and partial demolition, expansion, and renovations to the existing hangar. The project included the design of a new fire suppression system

Pennsylvania Air National Guard, 258th Air Traffic Control Squadron, Johnstown, Pennsylvania

- › Repair of the Composite Support Facility B258 at the John Murtha Johnstown – Cambria County Airport, a civil-military public airport. IAP ANG base Various projects have also been completed at the Pittsburgh

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- › Water Distribution System Repairs, Heating System repairs to Buildings H301 & H302 & H302A

911th Airlift Wing, U.S. Air Force Reserve Command, Coraopolis, Pennsylvania

- › New hazardous waste storage building; Renovation of Aerial Port Building; Renovations to the Hangar Building; Renovations to the Base Exchange; Renovations to the gas station and a new vehicle wash addition; Replacement of the Base fire/security alarm system

Pennsylvania National Guard, Johnstown, Pennsylvania

- › New 23,560 sq.ft. facility with approximately 8,000 sq.ft. of office space and eight vehicle maintenance bays

Pennsylvania Army National Guard, Pittsburgh, Pennsylvania

- › Rehabilitation of New Castle Readiness Center
- › Rehabilitation of Crane Readiness Center



George A. McMillan IV, P.E.

Electrical Engineer

Mr. McMillan is the Director of Operations for our regional office located in Conneaut, Ohio and is responsible for overseeing his team on projects throughout the region. As a Project Engineer, he has coordinated all facets of design, including electrical, controls, HVAC, plumbing, fire protection, and life safety for a wide range of new and retrofit projects. As a Design Engineer, he is experienced in the design of power distribution systems, control systems, uninterruptible power supplies, lighting and emergency lighting systems, fire alarm systems, security, sound, and telephone systems. He is responsible for coordination with the client, the architect, regulatory agencies, and the engineering staff; project scheduling; and other project management functions.

EDUCATION

Graduate Studies in Engineering Management, 1999-2003, Kennedy Western University

Bachelor of Science, Electrical Engineering Technology, 1996, University of Pittsburgh at Johnstown

EXPERIENCE

H.F. Lenz Company 1994-Present •
Dynamic Design Engineering 1990-1994

PROFESSIONAL REGISTRATION / CERTIFICATION

Licensed Professional Engineer in Pennsylvania, Arizona, Colorado, Maine, North Dakota, New York, Ohio, Texas and Vermont

PROFESSIONAL AFFILIATIONS

National Society of Professional Engineers and Pennsylvania Society of Professional Engineers • Named 2007 Young Engineer of the Year by the Pennsylvania Society of Professional Engineers (PSPE)

PROJECT EXPERIENCE

Williamsport Regional Airport - Williamsport, Pennsylvania

- › New 29,500 sq.ft. Passenger Terminal Building

Erie International Airport -Erie, Pennsylvania

- › Ticketing Area expansion and renovations
- › New Ticket Counter for Delta/Comair Airline
- › Renovation for relocation of the passenger security checkpoint and equipment and the installation of a cellular phone network throughout the terminal
- › New office addition at the existing Customs Building
- › New Exterior Signage - Complete Electrical design for the new exterior lighting and signage for the existing Main Terminal
- › Multiple TSA Renovations and Additions including: Administrative Offices, Regional Offices, Security System and Equipment Upgrades
- › New Car Rental Facility
- › Replacement of two existing Jetways
- › Complete study of the existing energy management system for the terminal and auxiliary facilities
- › Study of the existing electrical system for the terminal and auxiliary facilities
- › Second Floor Office Renovations
- › Water Service Replacement and Booster Pump Addition

Yeager Airport – Charleston, West Virginia

- › Electrical Engineering services for a \$1.2 million video surveillance and access control system upgrades for the existing Terminal and adjacent facilities

MORGANTOWN MUNICIPAL AIRPORT AIR RESCUE AND FIRE FIGHTING BUILDING

Morgantown, WV; 2003

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.

At a Glance:

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

Project Contact:

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



MORGANTOWN MUNICIPAL AIRPORT MAINTENANCE BUILDING

Morgantown, WV; 2005

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.

At a Glance:

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

Project Contact:

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



MORGANTOWN MUNICIPAL AIRPORT- TERMINAL RENOVATION

Morgantown, WV; 2011

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.

At a Glance:

CLIENT: City of Morgantown

LOCATION: Morgantown, WV

COMPLETION DATE: 2011

SIZE: 20,000 Sq. Ft.

CONSTRUCTION COST: Multiple Phases & Contracts

Project Contact:

Bob Hammel

100 Hart Field Road

Morgantown, WV 26505

304-291-7461



MORGANTOWN MUNICIPAL AIRPORT RUNWAY SAFETY AREA

Morgantown, WV; 2007

Alpha Associates, Incorporated did the original feasibility study for the Safety Area. There were several options for runway safety enhancements for Hart Field. The feasibility study looked at the logistics of each alternative as well as life cycle costing, NAVAID relocation and long term airport utilization. It was determined that a conventional embankment would be designed for the southern approach over runway 18/36.

The project was broken down into 3 phases that included the following scope of work:

1. The design of an 1100' x 500' embankment consisting of approximately 3,000,000 cubic yards of material.
2. The design of the relocated access road, which serves the western side of the property.
3. The relocation of the Localizer and other pertinent NAVAIDS in accordance with FAA Order 6750.16C.
4. The design of storm water handling facilities.
5. The acquisition of all necessary permits including stormwater, NPDES, West Virginia Water Quality State 401 Certification and the U.S. Army Corp of Engineers 404 permit.

At a Glance:

CLIENT: City of Morgantown
LOCATION: Morgantown, WV
COMPLETION DATE: 2007
SIZE: 1100' x 500'
CONSTRUCTION COST: \$12 Million

Project Contact:

Morgantown Municipal Airport
100 Hart Field Road
Morgantown, WV 26505
304-291-7461



MINERS HEALTH AND SAFETY TRAINING BUILDING

Oak Hill, WV; 2018

Alpha Associates, Incorporated provided architectural design, civil and structural engineering services for renovations to the Miners Health and Safety Training Building. The building serves as an Training Building for the WV Miners Health and Safety.

Project consisted of:

- Renovation of Prefab Metal Building with added office space
- Poured Concrete
- Parking Lot
- New windows and doors
- Interior Finishes

At a Glance:

CLIENT: WVMHST
LOCATION: Oak Hill, WV
COMPLETION DATE: 2019
SIZE: 16,584 Sq. Ft.
CONSTRUCTION COST: \$690,000

Project Contact:

Eugene White
7 Players Club Dr. Ste 2
Charleston, WV 25311
304-469-8100



VA WEST VIRGINIA TRAINING ACADEMY

SHEPHERDSTOWN, WV; 2019

The VA WV National Training Academy consisted of the complete renovation of existing office space in Shepherdstown, WV. The space had to be re-designed to function as a place to hold training sessions as well as develop and film training videos for the VA.

To achieve this, high STC walls and doors had to be provided for the filming studios and the large training rooms. Standard enclosed offices, conference rooms, and open office space were also provided for the facility. Renovated restrooms and a new break area completed the project, providing all the spaces needed for the VA's intended usage of the site.

At a Glance:

CLIENT: The Federal Group
LOCATION: Shepherdstown, WV
COMPLETION DATE: 2019
SIZE: 14,825 Square Feet
CONSTRUCTION COST: Private

Project Contact:

Mr. Ken Lowe
233 Lowe Drive
Shepherdstown, WV 25443
304-870-7001



VA OI&T FACILITY

SHEPHERDSTOWN, WV; 2015

A former conference center was reconfigured to serve as the VA OI&T facility.

Large open office spaces, conference rooms, enclosed offices, a break area, storage rooms, and IT areas were all created to allow for a comfortable environment for the tenant.

Enclosed offices and conference rooms were provided with ample light and a feeling of openness by using glass wall systems with integrated sliding glass doors.

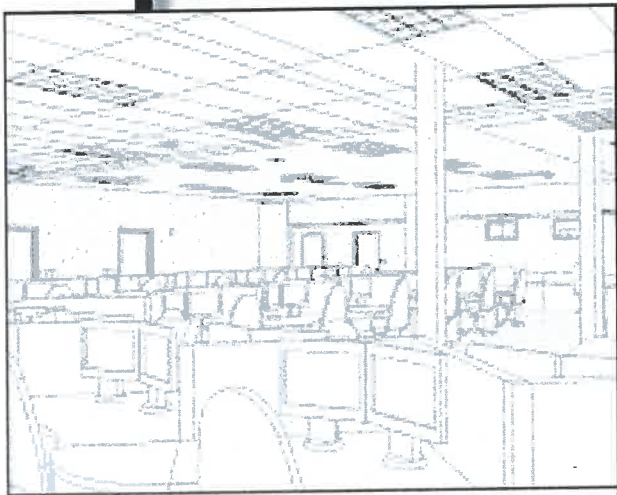
The finished space allows for a large staff to be accommodated in an area that allows for ease of movement from one space to another while also being fully secured from unauthorized outside access.

At a Glance:

CLIENT: The Federal Group
LOCATION: Shepherdstown, WV
COMPLETION DATE: 2015
SIZE: 14,636 Square Feet
CONSTRUCTION COST: Private

Project Contact:

The Federal Group
233 Lowe Drive
Shepherdstown, WV 25443
304-870-7001



CLARKSBURG STATE OFFICE BUILDING

CLARKSBURG, WV; 2017

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

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

At a Glance:

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

Project Contact:

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



DOD FACILITIES EXPERIENCE

The team that will serve on this contract is comprised of dedicated, multi-discipline individuals, many of whom have been working together for over a decade. Together they have taken on the challenges of numerous high profile, complex projects and have derived workable, cost-effective solutions that have met the objectives of the client.

H.F. Lenz Company has provided engineering services for over \$100 million of construction for the Baltimore Corps of Engineers over the past 20 years including 7 indefinite delivery-type contracts and 11 new reserve centers, several of which were in West Virginia.

Our experience also includes the PA Army National Guard, Crane Readiness Center Rehabilitation project completed in 2015, and the PA Army National Guard, New Castle Readiness Center Rehabilitation, completed in 2018. We also recently awarded a project for the PA Army National Guard, Clearfield Readiness Center, which is just beginning design.

In addition, we have held six consecutive term contracts for Letterkenny Army Depot under which we have completed more than 100 projects requiring a variety of engineering expertise throughout the base.

Our experience at **Camp Dawson** includes the MEP/FP engineering services for the design of three new billeting facilities. The facilities were designed to resemble small, upscale hotels. Each facility consisted of eight sleeping rooms with full baths, a common gathering area with fire place, and a full kitchen. The project included the design of the heating, cooling, ventilation, lighting, power, fire alarm, telecommunications, fire protection, plumbing, and natural gas service. Each sleeping room had individual heating and cooling control.

ERIE INTERNATIONAL AIRPORT

Erie, Pennsylvania

Erie International Airport, a publicly owned, public use, primarily commercial service facility, serves the aviation needs of Erie County, the Western Region of Pennsylvania, Western New York State, and Northeast Ohio. H.F. Lenz Company has provided mechanical, electrical, plumbing and fire protection engineering services for numerous projects at the airport including:

Terminal Security System - renovation for relocation of the passenger security checkpoint and equipment and the installation of a cellular phone network throughout the terminal.

Operations Room / Generator / UPS Project Scope - The scope of this project was to create a new basement location for the Erie International Airport operations room. This room is not a staffed room but houses operations center equipment that does not need to be located in the first floor security area. In addition, this room houses new uninterruptible power system equipment. This room is equipped with environmental systems to maintain the proper temperature and humidity. A new diesel generator was installed to replace the two (2) existing generators. Both the generator and the UPS system were sized to handle the current needs with additional capacity for the anticipated future load associated with the proposed airport expansion.

Also as a part of this project, a new building electrical power conditioning system was installed to correct the building harmonics.

Freight Facilities Study - The goal for this project was to convert two old factory buildings into a complex at the airport that would handle freight shipped by air, trucks or rail cars. HFL completed a facilities study to determine the feasibility of converting these buildings and to estimate the cost of the recommended upgrades to the mechanical and electrical systems.

Additional recent projects for Erie International Airport include:

- › HVAC, Plumbing, and Electrical design for a new Car Rental Facility
- › HVAC, Plumbing, Fire Protection, and Electrical design for additions and renovations to the Ticketing Area
- › HVAC, Plumbing, Fire Protection, and Electrical design for the replacement of two existing Jetways
- › HVAC, Plumbing, and Electrical design for a new office addition at the existing Customs Building

RELEVANT EXPERIENCE



- › HVAC, Plumbing, and Electrical design for a new Ticket Counter for Delta/Comair Airline
- › Study of the existing electrical system for the terminal and auxiliary facilities
- › Study of the existing energy management system for the terminal and auxiliary facilities
- › Plumbing and Electrical design for a new water service and exterior booster pump
- › HVAC, Plumbing, and Electrical design for the Second Floor Office Renovations
- › Study of the existing exhaust system for the Restrooms located in the Main Terminal
- › HVAC, Plumbing, and Electrical design for multiple TSA Renovations and Additions including:
 - Administrative Offices
 - Regional Offices
 - Security System and Equipment Upgrades
- › Electrical design for the new exterior lighting and signage for the existing Main Terminal

U.S. AIR FORCE, 911TH AIRLIFT GROUP/CE

Greater Pittsburgh International Airport – Cranberry, Pennsylvania

HFL provided design services for the 911 Airlift Group on a two-year indefinite delivery A/E contract. Services included site investigations, preliminary and final design, design analysis, and cost estimates. On all projects, operations of the Base were maintained during construction. Major projects included:

Apron Paving Repairs

Alter Hangar Building 129: HVAC, plumbing, electrical, fire protection and structural engineering design services for the renovations to Hangar Building 129. Electrical system design included new underground electrical service. A manhole and a load interrupter switches were installed and the new service was routed to a pad mounted, liquid-filled transformer. New underground secondary service was extended from the pad mounted transformer to the main distribution panel located within the Building. Other Electrical Systems for the Hangar addition included the installation of receptacles, lighting fixtures, emergency lighting and exit signs and the 28 Volt DC power system. The fire alarm system for the Hangar was also extended to service the addition. A high expansion foam fire protection system was added.

Alter Pharmacy, Building 319: Replaced existing roof and provided a canopy over the loading dock. All exposed electrical conduit was placed underground. Provided new dry chemical fire protection system. Removed and relocated all exterior lighting. The entire building was considered hazardous storage.



Construct Parking Lot: Constructed asphalt paving parking lot along Defense Avenue. Landscaped non-parking areas.

Maintain/Repair/Alter Building 300 (Base Exchange): Three new vestibules were added to the building; one is accessible. Provided accessible toilet rooms. New energy efficient light fixtures. New rooftop units with screens. New roof drains. Replace electrical service with underground electrical. Modify site by replacing and modifying sidewalks, replacing pavement, regrading, and landscaping.

Repair/Add to/Alter Building 332: Designed a new vehicle wash building including radiant heating and vehicle carbon-monoxide monitoring and exhaust system with new state-of-the-art fuel delivery system with leak detection and monitoring system.

Aircraft Maintenance Hangar, Building 416: Modified existing wet pipe sprinkler system and provided new automatic wet fire sprinkler system for building addition.

Repair Base Fire/Security Alarm System: Replaced existing fire and security alarm monitoring system with a new microprocessor-based system along with a computer and printers.

Base Civil Engineering Building: Under a separate contract, HFL provided mechanical, electrical, plumbing, fire protection, civil, and structural engineering services for a new 21,700 sq.ft. Base Civil Engineering Building which provides administrative spaces, shops, and storage area to support a permanent engineering staff and 150 reservists.



U.S. ARMY AVIATION FACILITY

Johnstown, Pennsylvania

New 120,000 sq.ft. 200-member, multi-building reserve center with training building and aviation maintenance shop on an 80-acre site. Relevant features of the project included:

- › An Armed Forces Reserve Center with administrative areas, unit common space, an education facility with assembly hall, classrooms, learning center, library, and flight simulator. Support area will provide storage areas for unit and individual equipment, dining facilities, small arms storage, and maintenance shop.
- › Access road, utilities, taxiways, hangar apron areas, compass rose, associated aircraft and taxiway lighting, and site storm drainage collection and retention.
- › A U.S. Army Reserve. Aviation Maintenance Shop with administrative offices, conference areas, classrooms, tool and parts storage, battery storage and charging room, flammable storage, 31,000 sq.ft four aircraft maintenance



hangar bays, special shop areas, a wash bay, and military aircraft and vehicle parking.

- › A five-ton crane with a 40 ft. span serves the entire length of the hangar.
- › A foam fire suppression system is provided along with a detention area to comply with environmental regulations.
- › Van pad with support facilities.
- › Cost estimates using the M-CACES software.
- › Life cycle cost analysis (LCCA).
- › The project included design of hot water radiant floor, fuel/water separator systems, fixed foam fire suppression systems, elevators, structural supports, and tie downs and a new fire pump house and water distribution loop serving the entire site

PENNSYLVANIA AIR NATIONAL GUARD

Pittsburgh International Airport – Pittsburgh, Pennsylvania

The pressurized hydrant fueling system project at the Pittsburgh International Airport involved the total design of an aviation fuel transfer, storage, and dispensing facility.

Key features of the project included:

- › Central control house to remotely monitor and control all functions of the fuel handling operation
- › Quality control building for lab testing of fuel samples
- › Complete electrical power and control distribution systems
- › Two 5,000-barrel aircraft fuel storage tanks to provide on-site product storage capabilities
- › 1,200 GPM fuel handling capability
- › Product receiving pumping station to unload fuel from tanker trucks for transfer to storage facilities
- › Truck fill stands for dispensing aircraft fuel to mobile military tanker trucks
- › Six hydrant fueling stations located on runway apron for fueling air transport/refueling tanker aircraft
- › Product dispensing pumping station for product filtration, monitoring, and flow control with distribution to truck fill stands and hydrant fueling stations
- › Approximately one mile of 12-inch diameter stainless steel underground main distribution piping and approximately 2,000 feet of secondary stainless steel distribution piping
- › Access roads and parking facilities for tanker trucks and military personnel and associated roadway low-pressure sodium lighting system
- › Waste fuel handling and storage system
- › Fire control, ecological protection, pump cavitation, fuel purity, and protection of fuel storage tanks from earthquakes

RELEVANT EXPERIENCE



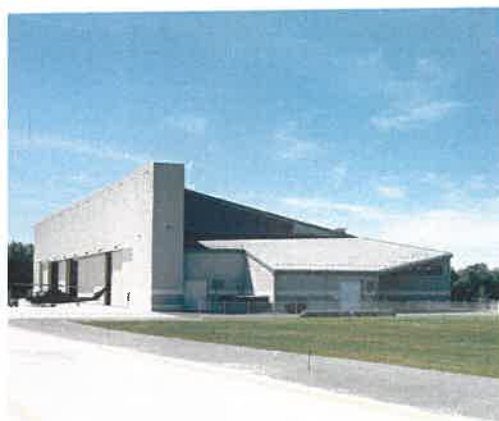
OHIO NATIONAL GUARD - AKRON-CANTON REGIONAL AIRPORT

Akron, Ohio

HFL provided the mechanical, electrical, plumbing, fire protection, and structural engineering services for the expansion and alteration of the existing Army Aviation Support Facility (AASF) hangar. The requirements of the project included partial demolition, expansion of the foundation and floor area of the existing hangar by 11,088 sq.ft., a new fire suppression system, modifications to the existing security systems and various interior improvements. The expanded facility is now able to accommodate three CH-47 helicopters. The project also included the design of a new 26,400 sq.ft. aircraft storage facility.

Features of the project included:

- › Design of FAA lighting
- › Fuel/water separator systems
- › Fixed foam fire suppression systems
- › Structural supports
- › Tie downs



CORPORATE HANGAR

Greensboro, North Carolina

HFL provided the mechanical, electrical, plumbing, and fire protection engineering for the renovation of a corporate hangar at the Greensboro International Airport. The project consisted of the remodeling of the office and lounge area and the renovation of the aircraft maintenance and storage area. In the main hangar, new fluorescent high-bay lighting was installed to replace existing mercury-vapor lighting to bring the lighting levels up to current IES standards. A new radiant heating system was installed to provide heat to the large open hangar area. A new security system was installed throughout the building.



NAVFAC

Jacksonville, Florida

HFL provided the MEP engineering for a new 165,000 sq.ft. Design/Build P8-A Integrated Training Center with 40 instruction environments and 19 multi-million dollar simulation trainers. The facility includes space for ten Operational Flight Trainers (OFT), eight Weapons Tactics Trainers, four Part Task Trainers, support equipment, bridge cranes over the OFT devices, computer based training room stations, internal and external network communication equipment, various electronic support areas, storage areas, maintenance support shops, various administrative support areas, briefing areas, communications closets, and a SCIF and SAPF area; project utilized BIM and has attained LEED Gold.

Williamsport Regional Airport

Williamsport, Pennsylvania

NEW PASSENGER TERMINAL BUILDING

H.F. Lenz Company provided Mechanical and Electrical Engineering services for the new 29,500 square foot Passenger Terminal Building at the Williamsport Regional Airport. This included HVAC systems, plumbing systems, fire protection, and electrical systems throughout the new facility; which consists of administrative offices, car rental, travel agency, future restaurant, and other standard airport functions and support services.

Key elements of the design included:

- › High efficiency gas fired boilers and associated equipment
- › Interior air handling units with hot water heating and chilled water cooling
- › Variable air volume boxes with hot water reheat coils
- › Air cooled chiller and associated pumps
- › DDC Control system throughout the facility
- › Plumbing fixtures and associated piping systems
- › Domestic hot water system
- › Fire/sprinkler system throughout the facility
- › Energy efficient LED lighting fixtures and associated controls throughout the facility
- › Power distribution equipment including panels, wiring devices, conduit, wiring, etc.
- › Reuse an existing emergency generator and associated transfer equipment
- › Fire alarm system
- › Security camera and access control system for the facility
- › Telecommunication infrastructure throughout the facility

Project Cost: \$16,850,000

The project was completed in 2018.



University Park Airport

State College, Pennsylvania

TERMINAL BUILDING EXPANSION AND RENOVATION STUDY

The University Park Airport contracted with a new carrier, who was planning on using larger planes for arrivals and departures into and out of University Park Airport. The airport terminal is challenged with circulation, office space, TSA/Security Areas, lack of jet ways, etc. H.F. Lenz Company provided MEP/FP engineering services associated with the expansion and renovation of the existing terminal building.

Renovations of the main floor would include the following:

- › New OPS Offices
- › Updated security/restricted area for baggage
- › Updated Baggage Claim Area
- › Updated Queuing Area
- › Check-in counters for the various airlines

The second floor addition would include the:

- › Café
- › Office and Conference Area
- › TSA Scanning Area
- › Gate Waiting Area
- › Walkways to jet ways serving four airplanes
- › Restroom facilities
- › Other miscellaneous support space

The existing airport terminal is approximately 37,000 sq.ft. in size, and the proposed second floor addition was approximately 28,000 sq.ft.

The study included a comprehensive review of the existing drawings, confirmation of existing conditions, and visual observation of the building utilities and systems including the MEP/FP systems.

The study included a three-day design charrette including a kick-off meeting with the airport, meeting with the various users of the terminal, such as rental cars, concessions, TSA, airlines, and administration. A design teamwork session and a review session with the airport were part of the study.

HFL provided recommendations associated with the building systems and the ability to expand, modify, or replace the MEP/FP systems to support the terminal renovation and addition.

The study was completed in 2020.

H.F. LENZ COMPANY

RELEVANT EXPERIENCE





YEAGER AIRPORT

Charleston, West Virginia

HFL provided Electrical Engineering services for a \$1.2 million video surveillance and access control system upgrades for the existing Terminal and adjacent facilities. The project included the following:

- › Video surveillance cameras (POE)
- › Video management system
- › Wireless communication for remote cameras
- › Solar powered video cameras for airfield
- › Dedicated security system cabling infrastructure (fiber and copper)
- › Access control system
- › Door controller and hardware upgrades
- › Network switches (POE +)
- › Power system upgrades to support the technology upgrades

Design of the project was completed in 2018.

RELEVANT EXPERIENCE

Department of Defense Facilities

U.S. ARMY CORPS OF ENGINEERS, BALTIMORE

ARMY RESERVE AVIATION FACILITY *Johnstown, Pennsylvania*

- › New 120,000 sq.ft. multi-building complex including an armed forces reserve center and an aviation maintenance shop

ARMY RESERVE CENTER *Brockley, West Virginia*

- › New 300-member reserve center with training building and maintenance shop

ARMY RESERVE CENTER *Morgantown, West Virginia*

- › New 300-member reserve center with training building and maintenance shop

ARMY RESERVE CENTER *Wheeling, West Virginia*

- › New 284-member reserve center with training building and maintenance shop

ARMY RESERVE CENTER *Rainelle, West Virginia*

- › New 200-member reserve center with training building and maintenance shop

ARMY RESERVE CENTER *Warton, West Virginia*

- › New 200-member reserve center with training building and maintenance shop

ARMY RESERVE CENTER *Brownsville, Pennsylvania*

- › New 200-member reserve center with training building and maintenance shop

ARMY RESERVE CENTER *Johnstown, Pennsylvania*

- › New 200-member reserve center with training building and maintenance shop

ARMY RESERVE CENTER *Kingwood, West Virginia*

- › Maintenance shop

ARMY RESERVE CENTER *Cranberry, West Virginia*

- › New 100-member reserve center with training building and maintenance shop

ARMY RESERVE CENTER *Elkins, West Virginia*

- › New 60-member reserve centers with training building and maintenance shop





MORLOCK ARMY RESERVE CENTER *Pittsburgh, Pennsylvania*

- › HVAC modifications

COPELY ARMY RESERVE CENTER *Oil City, Pennsylvania*

- › Boiler addition

STEELE ARMY RESERVE CENTER *Pittsburgh, Pennsylvania*

- › Complete HVAC system replacement

CAMP DAWSON *Singwood, West Virginia*

- › Three new billeting facilities

LETTERKENNY ARMY DEPOT *Chambersburg, Pennsylvania*

- › Six indefinite-delivery contracts for mechanical, electrical, civil, and structural engineering and surveying services

FORT RICHIE *Fort Richie, Maryland*

- › Two indefinite-delivery contracts for mechanical, electrical, civil, and structural engineering and surveying services

AMMUNITION PLANT *Scranton, Pennsylvania*

- › Upgrade lighting system in production shop

911 AIRLIFT GROUP, GREATER PITTSBURGH INTERNATIONAL AIRPORT *Pittsburgh, Pennsylvania*

- › Study and design of new Base Civil Engineer Facility
- › Indefinite delivery contract for architectural and engineering services

U.S. ARMY CORPS OF ENGINEERS, NORFOLK

WALTER REED ARMY MEDICAL CENTER *Washington, D.C.*

- › Energy engineering analysis program, main hospital building

U.S. ARMY CORPS OF ENGINEERS, PHILADELPHIA

PHILADELPHIA, PENNSYLVANIA

- › Tenant fit-up

PA DEPARTMENT OF MILITARY AFFAIRS

FORD CITY ARMORY *Ford City, Pennsylvania*

- › New 24,400 sq.ft. training center with classrooms and kitchen/dining facilities





NAVAL FACILITIES ENGINEERING COMMAND (NAVFAC), NORTHERN DIVISION

NAVAL AIR STATION *Lakeland, New Jersey*

- › Air conditioning tune-up study

NAVAL SHIP PARTS CONTROL CENTER *Mechanicsburg, Pennsylvania*

- › Administrative facility improvements

NAVAL FACILITIES ENGINEERING COMMAND (NAVFAC), CHESAPEAKE & ATLANTIC DIVISION

NAVAL RESEARCH LABORATORY *Washington, D.C.*

- › Three indefinite delivery contracts for mechanical, electrical, and structural engineering services (Chesapeake Division)

OCEANA NAVAL STATION *Virginia Beach, Virginia*

- › Energy monitoring and control system
- › Boiler plant modifications (Atlantic Division)



NAVAL FACILITIES ENGINEERING COMMAND (NAVFAC), SOUTHEAST DIVISION

P-8A INTEGRATED SIMULATION/TRAINING CENTER *Jacksonville, Florida*

- › New \$42.5 million, 165,000 sq.ft. operational training facility for a new Multi-Mission Maritime Aircraft (MMA)/P8-A located at the Naval Air Station; Project goal is LEED Gold

DEPARTMENT OF GENERAL SERVICES

PENNSYLVANIA NATIONAL GUARD *Johnstown, Pennsylvania*

- › New 23,560 sq.ft. Regional Maintenance Facility

PENNSYLVANIA ARMY NATIONAL GUARD, 128TH BRIGADE SUPPORT BATTALION

- › Renovation of the 26,700 sq.ft. Crane Readiness Center which houses 250 soldiers

PENNSYLVANIA ARMY NATIONAL GUARD, 107TH FIELD ARTILLERY BATTALION

- › Rehabilitation of 23,000 sq.ft. New Castle Readiness Center which houses approximately 120 soldiers





STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS

To all to whom these presents shall come, Greeting

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

Charles B. Branch

DOES, IN PURSUANCE OF AUTHORITY VESTED IN IT

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

REGISTERED PROFESSIONAL ENGINEER

Registration Number [REDACTED]

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



Given under the hand and the Seal of the Board at the Capitol in the City of Charleston, this 18th day of February in the year of our Lord 2002 and of the State the One Hundred Thirty-Eighth

STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS

L. J. Branch

By *Frank D. Goddy*

L. J. Branch, Jr.

L. J. Branch

[Signature]



STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS

To all to whom these presents shall come Greeting
Know Ye That The State Board of Registration for Professional Engineers
of the State of West Virginia, reposing special confidence in
the Intelligence, Integrity and Discretion of

Bradley H. Casdorph

DOES IN PURSUANCE OF AUTHORITY VESTED IN IT

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

REGISTERED PROFESSIONAL ENGINEER

Registration Number [REDACTED]

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



Given under the hand of the
Seal of the Board at the Capitol in the
City of Charleston,
This 29th day of December
in the year of our Lord 2005
and of the State
the One Hundred Forty-Second

Members of the Board

James D. Thomas, Jr. Richard E. Dwyer

Blayne S. Saluja William E. Pierson



STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS

To all to whom these presents shall come, Greeting.

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

Richard A. Colebank

DOES, IN PURSUANCE OF AUTHORITY VESTED IN IT

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

REGISTERED PROFESSIONAL ENGINEER

Registration Number [REDACTED]

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



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

STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS

Secretary
Frank Gaddy

By
Kenneth H. Means
President
Arthur B. Scott



STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS

To all to whom these presents shall come Greeting
"Know Ye" That The State Board of Registration for Professional Engineers
of the State of West Virginia, reposing special confidence in
the Intelligence, Integrity and Discretion of

Matthew T. Echard

DOES IN PURSUANCE OF AUTHORITY VESTED IN IT

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

REGISTERED PROFESSIONAL ENGINEER

Registration Number [REDACTED]

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



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

Members of the Board

James D. Timms, Jr. *Richard E. Dwyer*

Blair S. Stiles *William E. Piersen*



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



STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS

To all to whom these presents shall come, Greeting

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

Charles B. Luttrell

DOES, IN PURSUANCE OF AUTHORITY VESTED IN IT

by law, hereby certify that 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

Edw. Beckley
Hugh L. Fleming

Frank Nelly

Wm. F. Dwyer

CERTIFICATE OF *Authorization*

STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS

*The West Virginia State Board of Registration for Professional Engineers
having verified the person in responsible charge is registered in
West Virginia as a professional engineer for the noted firm, hereby certifies*

ALPHA ASSOCIATES, INC.

C00012-00

Engineer in Responsible Charge: RICHARD A. COLEBANK - WV PE 010346

*has complied with section §30-13-17 of the West Virginia Code governing
the issuance of a Certificate of Authorization. The Board hereby notifies you of its
certification with issuance of this Certification of Authorization for the period of:*

January 1, 2020 - December 31, 2021

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

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



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

Bryan S. Caldwell

BOARD PRESIDENT

Your **ACTIVE PE** renewal fee has been received...

Your ACTIVE PE renewal fee has been received. Your pocket card indicating you are entitled to practice engineering in West Virginia until the noted expiration date may be detached and used unless invalidated as a result of Board audit of your renewal form or formal disciplinary action.

IMPORTANT REMINDERS:

1. Please include your WV ACTIVE PE license number on any correspondence to this office.
2. To use this license as a pocket card, please cut along the dotted line and laminate if desired.
3. You are required to immediately notify the Board, in writing, of the following: loss or theft of license or seal, any name change, any address change, or any employment change.

West Virginia State Board of Registration for Professional Engineers

300 Capitol Street, Suite 910
Charleston, West Virginia 25301
304-558-3554 Phone
800-324-6170 Toll Free
www.wvpebd.org

THIS IS ONE FORM OF YOUR RENEWAL RECEIPT

PLEASE SAVE THIS FOR YOUR RECORDS

Date of Renewal: December 19, 2018
Amount Paid: \$70.00



West Virginia State Board of Registration
for Professional Engineers

THOMAS F. DETER
WV [REDACTED]

This is to certify that the above named PROFESSIONAL ENGINEER has met the requirements of the law, is duly registered and is entitled to practice engineering in the State of West Virginia.

EXPIRES December 31, 2020

THOMAS F. DETER
H. F. LENZ COMPANY
1407 SCALP AVENUE
JOHNSTOWN, PA 15904

HEAR FROM OUR CLIENTS.

“

J. Paul Walden
West Virginia University

Alpha Associates have a proven record of customer satisfaction and successful client delivery with our organization. We would be confident in our recommendation in support of Alpha.

“

Robert Hammel
Former Director
Morgantown Municipal Airport

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

References

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

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

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

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

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



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: 700461

Doc Description: Camp Dawson Airfield Support Facilities

Proc Type: Central Purchase Order

Date Issued	Solicitation Closes	Solicitation No	Version
2020-03-16	2020-04-01 13:30:00	CEOI 0603 ADJ2000000007	1

BID RECEIVING LOCATION

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

VENDOR

Vendor Name, Address and Telephone Number:

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

FOR INFORMATION CONTACT THE BUYER

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

Signature X

FEIN # 550516286

DATE 4-10-19

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

West Virginia Ethics Commission
Disclosure of Interested Parties to Contracts

(Required by W. Va. Code § 6D-1-2)

Contracting Business Entity: Alpha Associates, Inc **Address:** 209 Prairie Ave, Morgantown, WV 26501

Authorized Agent: Richard A. Colebank **Address:** _____

Contract Number: CEOI 0603 ADJ200000007 **Contract Description:** Camp Dawson
Airfield Support Facilities

Governmental agency awarding contract: West Virginia Purchasing Division

☐ **Check here if this is a Supplemental Disclosure**

List the Names of Interested Parties to the contract which are known or reasonably anticipated by the contracting business entity for each category below (*attach additional pages if necessary*):

1. Subcontractors or other entities performing work or service under the Contract

☐ Check here if none, otherwise list entity/individual names below.

HF Lenz
Thomas Deter

2. Any person or entity who owns 25% or more of contracting entity (not applicable to publicly traded entities)

☐ Check here if none, otherwise list entity/individual names below.

Richard Colebank, President, COO
Richard Klein, Chairman, CEO

3. Any person or entity that facilitated, or negotiated the terms of, the applicable contract (excluding legal services related to the negotiation or drafting of the applicable contract)

☒ Check here if none, otherwise list entity/individual names below.

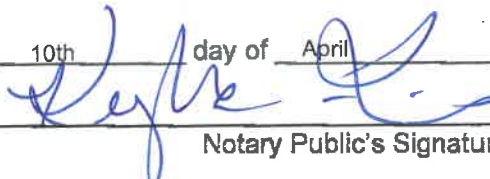
Signature:  Date Signed: 4-10-20

Notary Verification

State of West Virginia, County of Upshur:

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

Taken, sworn to and subscribed before me this 10th day of April, 2020.

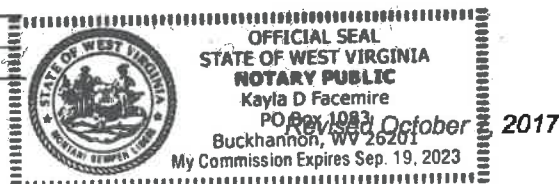

Notary Public's Signature

To be completed by State Agency:

Date Received by State Agency: _____

Date submitted to Ethics Commission: _____

Governmental agency submitting Disclosure: _____



DESIGNATED CONTACT: Vendor appoints the individual identified in this Section as the Contract Administrator and the initial point of contact for matters relating to this Contract.

Richard A. Colebank, President & COO

(Name/Title)



(Printed Name and Title)

209 Prairie Ave, Morgantown, WV 26501

(Address)

304-296-8216/ 304-296-8245

(Phone Number) / (Fax Number)

rick.colebank@thinkalphafirst.com

(email address)

CERTIFICATION AND SIGNATURE: By signing below, or submitting documentation through wvOASIS, I certify that I have reviewed this Solicitation in its entirety; that I understand the requirements, terms and conditions, and other information contained herein; that this bid, offer or proposal constitutes an offer to the State that cannot be unilaterally withdrawn; that the product or service proposed meets the mandatory requirements contained in the Solicitation for that product or service, unless otherwise stated herein; that the Vendor accepts the terms and conditions contained in the Solicitation, unless otherwise stated herein; that I am submitting this bid, offer or proposal for review and consideration; that I am authorized by the vendor to execute and submit this bid, offer, or proposal, or any documents related thereto on vendor's behalf; that I am authorized to bind the vendor in a contractual relationship; and that to the best of my knowledge, the vendor has properly registered with any State agency that may require registration.

Alpha Associates, Inc

(Company)



(Authorized Signature) (Representative Name, Title)

Richard A. Colebank

(Printed Name and Title of Authorized Representative)

4-10-20

(Date)

304-296-8216/ 304-296-8245

(Phone Number) (Fax Number)

ADDENDUM ACKNOWLEDGEMENT FORM
SOLICITATION NO.:

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

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

Addendum Numbers Received:

(Check the box next to each addendum received)

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

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

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

Alpha Associates, Inc

Company


Authorized Signature

4-10-20

Date

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

STATE OF WEST VIRGINIA
Purchasing Division
PURCHASING AFFIDAVIT

CONSTRUCTION CONTRACTS: Under W. Va. Code § 5-22-1(i), the contracting public entity shall not award a construction contract to any bidder that is known to be in default on any monetary obligation owed to the state or a political subdivision of the state, including, but not limited to, obligations related to payroll taxes, property taxes, sales and use taxes, fire service fees, or other fines or fees.

ALL CONTRACTS: Under W. Va. Code §5A-3-10a, no contract or renewal of any contract may be awarded by the state or any of its political subdivisions to any vendor or prospective vendor when the vendor or prospective vendor or a related party to the vendor or prospective vendor is a debtor and: (1) the debt owed is an amount greater than one thousand dollars in the aggregate; or (2) the debtor is in employer default.

EXCEPTION: The prohibition listed above does not apply where a vendor has contested any tax administered pursuant to chapter eleven of the W. Va. Code, workers' compensation premium, permit fee or environmental fee or assessment and the matter has not become final or where the vendor has entered into a payment plan or agreement and the vendor is not in default of any of the provisions of such plan or agreement.

DEFINITIONS:

"Debt" means any assessment, premium, penalty, fine, tax or other amount of money owed to the state or any of its political subdivisions because of a judgment, fine, permit violation, license assessment, defaulted workers' compensation premium, penalty or other assessment presently delinquent or due and required to be paid to the state or any of its political subdivisions, including any interest or additional penalties accrued thereon.

"Employer default" means having an outstanding balance or liability to the old fund or to the uninsured employers' fund or being in policy default, as defined in W. Va. Code § 23-2c-2, failure to maintain mandatory workers' compensation coverage, or failure to fully meet its obligations as a workers' compensation self-insured employer. An employer is not in employer default if it has entered into a repayment agreement with the Insurance Commissioner and remains in compliance with the obligations under the repayment agreement.

"Related party" means a party, whether an individual, corporation, partnership, association, limited liability company or any other form or business association or other entity whatsoever, related to any vendor by blood, marriage, ownership or contract through which the party has a relationship of ownership or other interest with the vendor so that the party will actually or by effect receive or control a portion of the benefit, profit or other consideration from performance of a vendor contract with the party receiving an amount that meets or exceeds five percent of the total contract amount.

AFFIRMATION: By signing this form, the vendor's authorized signer affirms and acknowledges under penalty of law for false swearing (W. Va. Code §61-5-3) that: (1) for construction contracts, the vendor is not in default on any monetary obligation owed to the state or a political subdivision of the state, and (2) for all other contracts, that neither vendor nor any related party owe a debt as defined above and that neither vendor nor any related party are in employer default as defined above, unless the debt or employer default is permitted under the exception above.

WITNESS THE FOLLOWING SIGNATURE:

Vendor's Name: Alpha Associates, Inc

Authorized Signature: *[Signature]* Date: 4-10-20

State of West Virginia

County of Upshur, to-wit:

Taken, subscribed, and sworn to before me this 10 day of April, 2020.

My Commission expires September 19, 2023.

NOTARY PUBLIC

[Signature]

Purchasing Affidavit (Revised 01/19/2018)

