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Header 1

[List View](#)
General Information | [Contact](#) | [Default Values](#) | [Discount](#) | [Document Information](#) | [Clarification Request](#)

Procurement Folder: 949831

Procurement Type: Central Purchase Order

Vendor ID: 000000167118

Legal Name: CDI INFRASTRUCTURE LLC

Alias/DBA:

Total Bid: \$0.00

Response Date: 10/27/2021

Response Time: 15:32

Responded By User ID: LRKimball

First Name: Renee

Last Name: Schoop

Email: renee.schoop@lrkimball.

Phone: 814.472.7700

SO Doc Code: CEOI

SO Dept: 0603

SO Doc ID: ADJ2200000007

Published Date: 10/14/21

Close Date: 10/28/21

Close Time: 13:30

Status: Closed

Solicitation Description: AASF1 & AASF2 Unheated Aircraft Storage Design

Total of Header Attachments: 1

Total of All Attachments: 1



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

State of West Virginia
Solicitation Response

Proc Folder: 949831
Solicitation Description: AASF1 & AASF2 Unheated Aircraft Storage Design
Proc Type: Central Purchase Order

Solicitation Closes	Solicitation Response	Version
2021-10-28 13:30	SR 0603 ESR10272100000002664	1

VENDOR
000000167118
CDI INFRASTRUCTURE LLC

Solicitation Number: CEOI 0603 ADJ2200000007

Total Bid: 0 **Response Date:** 2021-10-27 **Response Time:** 15:32:49

Comments:

FOR INFORMATION CONTACT THE BUYER

David H Pauline
304-558-0067
david.h.pauline@wv.gov

Vendor Signature X	FEIN#	DATE
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All offers subject to all terms and conditions contained in this solicitation

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
1	AASF1 & AASF2 Unheated Aircraft Storage Design				0.00

Comm Code	Manufacturer	Specification	Model #
81101508			

Commodity Line Comments: This CEOI is for qualifications at this time, not price.

Extended Description:

Provide professional architectural and engineering design services per the attached documentation.

WV DIVISION OF PURCHASING & WV ARMY NATIONAL GUARD

AASF #1 & AASF #2 UNHEATED AIRCRAFT STORAGE DESIGN

Solicitation Number: **CEOI 0603 ADJ2200000007**

Due: **OCTOBER 28, 2021, 1:30PM EST**



Submitted by: **L.R. Kimball**
A Division of TranSystems

Contact:

L.R. Kimball
A Division of TranSystems

DAVID RISPOLI, PE, PMP

Director of Architecture and Engineering

Mobile: 814.935.7165

Email: darispoli@transystems.com

Front Cover Image:

Design/Build C-17 Two-Bay Hangar, Travis AFB, California

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COVER LETTER

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- d. References
- e. Copies of Staff Certifications

SECTION 2

APPROACH & METHODOLOGY

SECTION 3

FORMS



*Pictured Here:
NAVFAC Mid-Atlantic, P-194 Unmanned Aircraft System Facilities Expansion, MCAS Cherry Point, NC
designed by TranSystems*

October 27, 2021

Mr. David Pauline
WV Department of Administration, Purchasing Division
2019 Washington Street East
Charleston, WV 25305-0130

RE: WV Army National Guard, AASFI and AASF2, Unheated Aircraft Storage Design
Solicitation Number: CEOI 0603 ADJ2200000007

Dear Mr. Pauline:

Thank you for the opportunity to submit our proposal to provide architectural and engineering services for the West Virginia Purchasing Division and the West Virginia Army National Guard.

We understand that this project involves the design and construction of two new 15,000 SF unheated facilities to be located in Williamstown and Wheeling that will serve the WV Army National Guard.

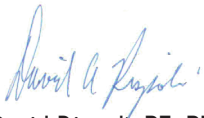
L.R. Kimball is now a division of TranSystems and together we offer a strong team of architects and engineers with the qualifications needed to deliver this project successfully:

- Our team has **experience designing large and small military support buildings including aircraft storage facilities such as these notable projects:**
 - NAVFAC Mid-Atlantic, P-194 Unmanned Aircraft System Facilities Expansion, MCAS, Cherry Point, NC
 - Dept. of Homeland Security, Customs & Border Protection, Laredo Air Branch and Marine Operations, Laredo, TX
 - Design/Build RFP, Renovate B5676 & Hangar B6426, Barksdale AFB, LA
 - Design, Aircraft Component Maintenance Shop, CCAD, NAS Corpus Christi, TX
 - Tinker AFB KC-46A Depot Maintenance Hangar, Oklahoma City, OK
 - Moody AFB Personnel Recovery 4-Bay Hangar, Moody Air Force Base, GA
- **50+ years of specialized aviation experience in both landside and airside operations** - our integrated design approach will deliver a project that meets both your budget and aspirations. We have a strong Aviation Services Group consisting of architects, engineers, planners and specialists who work exclusively on aviation related business development, planning, environmental, design and construction projects.
- **45+ years of experience working in West Virginia.** Our project team understands the complexity of working in support of WV State departments and we deliver projects that support the mission of your team. The team has extensive resources across all disciplines with a record for successful projects in West Virginia for more than four decades.
- **Full-service firm with 68+ years in business** to manage your projects from conception to ribbon-cutting. These include: architecture, engineering, planning, benefit cost analysis, drilling, value engineering, and construction administration. As a result, we can provide in-house aid for virtually any task that may arise. In addition to our in-house experience, we have supplemented our team with our trusted consultants. We have included Civil & Environmental Consultants on our team to provide surveying and geotechnical engineering services and Trophy Point to provide cost estimating services.
- **Engineer and Client Liaison in West Virginia** supported by a team of 900 professional, technical and administrative personnel across the country.

- **Strong FAA & West Virginia Aeronautics Commission Relationship and Knowledge.** L.R. Kimball has a long-standing relationship with the staff at the FAA Beckley Airports Field Office and with the West Virginia Aeronautics Commission. We deal with FAA and state policies, procedures and guidelines every day. As a result, we can aid the airport in streamlining the FAA review and approval processes. Key to this is our understanding of the project priority process.
- **Our team is more than capable of providing services efficiently and cost effectively** on projects regardless of scope or scale. We view this type of project as an extension of our client's team and can provide immediate and nimble staffing to suit your immediate needs.
- We understand the challenges of creating and maintaining your physical assets, preserving the efficiency of the WV State Department and the WV Army National Guard and the required supporting facilities. **The L.R. Kimball team will be both partners and stewards in the process** of designing these two new unheated aircraft storage facilities.
- **Enthusiasm & Dedication.** L.R. Kimball pledges to be resource that is always willing to assist in any manner called upon.

Our architects and engineers bring both innovation and discipline to delivering projects that meet budgetary demand and exceed expectations. Our deep institutional knowledge of airports and the FAA, and the building community will allow this team to quickly mobilize and deliver your project on budget and on schedule. Our team is excited about this opportunity to work for the State of West Virginia and the WV Army National Guard and we are delighted to submit the attached materials for your review and consideration.

Please note that while we are now a division of TranSystems, we are still currently operating under CDI-Infrastructure, LLC dba L.R. Kimball in West Virginia. We look forward to discussing any of the contents of this document and hope that your review of our qualifications will afford us the opportunity to do so.



David Rispoli, PE, PMP
Director of Architecture and Engineering

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Pictured here are L.R. Kimball Architects and Project Managers Ruchik Vyas & Diane Glarrow.

Diane's recent relevant experience in West Virginia includes Marshall University's New Flight School at Yeager Airport and the North Central West Virginia Regional Airport's New Terminal in Bridgeport, WV.

—
QUALIFICATIONS / EXPERIENCE /
PAST PERFORMANCE

a. TEAM INTRODUCTION & SUMMARY OF RELEVANT EXPERIENCE

We have gathered a strong, local and national team of experts with experience working together on similar projects to handle all design aspects of the unheated aircraft storage facilities.

L.R. Kimball A Division of TranSystems

ROLE: *Prime, Architecture, Building Systems Engineering, Civil Engineering, Drilling, & Construction Administration*

- 68 Years in Business with an appreciation for our military that started with our Founder, L. Robert Kimball.
- 60+ airport clients across 6 states including WV and 50+ years of experience in both airside and landside operations
- 40+ years of experience in commercial facility design
- In addition to our firm's military and government experience, together L.R. Kimball and TranSystems teams have designed over 115 Hangars and Air Maintenance Facilities



Civil & Environmental Consultants, Inc.

ROLE: *Surveying & Geotechnical Engineering*

- Located in Bridgeport, WV; 1,000+ employees in 23 cities
- Consistently ranked among the top firms in *Engineering News Record's* annual lists of Top Design Firms and Top Environmental Firms
- L.R. Kimball and CEC are currently teaming on the NCWV Airport's New Terminal Facility.



ROLE: *Cost Estimating*

- Service Disabled Veteran Owned Small Business
- Offices in Pittsburgh, PA and Blasdell, NY
- Trophy Point's team consists of construction industry professionals with diverse and complementary backgrounds, educations, training and collective experiences that benefit any project team they support.
- President & Owner, Rich Chudzik brings over 20 years of leadership experience across organizations and teams of varying functions, sizes, and industries. Rich has served as the Estimator-of-Record and Project Manager on several new-build and renovation projects.

The following pages describe in more detail, the firm backgrounds of each of our team members.

In May of 2021, L.R. Kimball, a 68-year-old architecture and engineering firm headquartered in Ebensburg, Pennsylvania, became a division of TranSystems Corporation, a national engineering, architecture, planning, and construction consulting firm.

For more than 55 years, TranSystems has provided engineering and architectural planning, design and construction solutions to enhance the movement of goods and people across today's integrated transportation infrastructure. Its professionals in 35 offices throughout the U.S. perform a broad range of services to all sectors of the transportation and federal marketplaces.

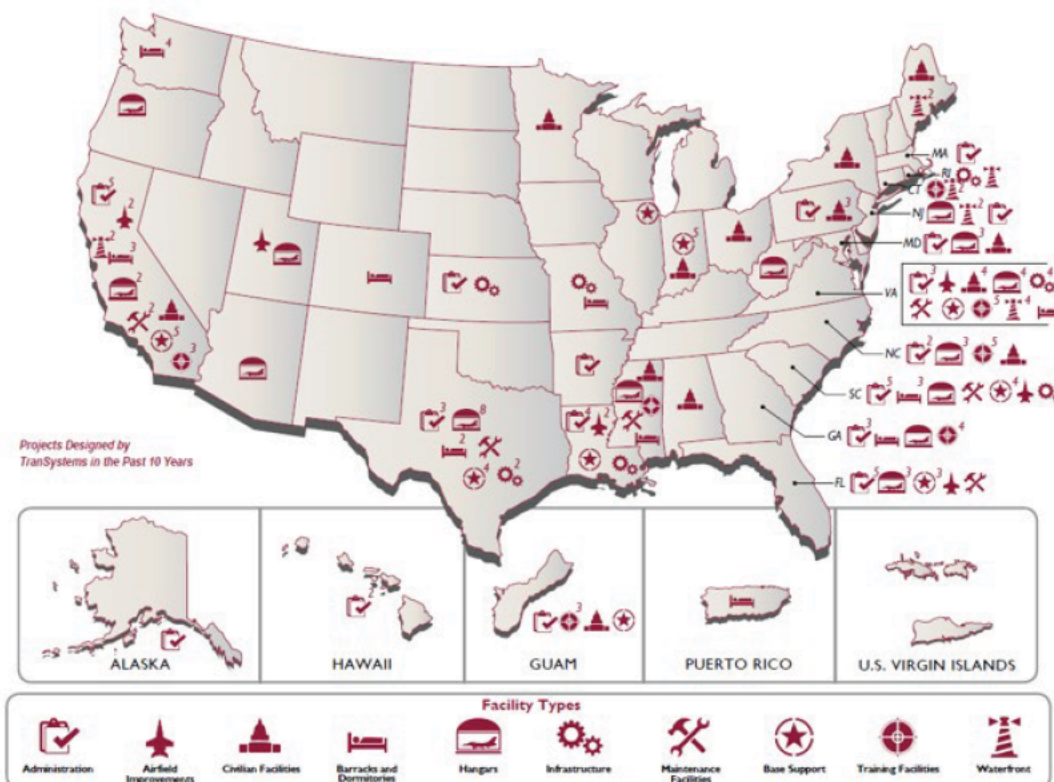
TranSystems Office Locations

900 Professionals in 35 Offices



Our joining of forces strengthens our capabilities throughout the full project life cycle – from planning and programming to design and construction services. L.R. Kimball and TranSystems have bolstered our depth of resources with 900 combined professionals. Together, we offer clients the full range of engineering, architecture, planning, environmental/geosciences and construction services. The same professionals our clients know and trust will continue providing high-level quality services for all of our projects with the added advantage of providing additional in-house services and subject matter expertise.

This graphic demonstrates the variety of federal project types completed by our team.





L.R. Kimball

A Division of TranSystems

L.R. Kimball, a full-service architecture and engineering firm, was founded in 1953 in Ebensburg, Pennsylvania. After college graduation, L. Robert Kimball, our founder, received a commission in the Army Air Corps. During World War II he served as Lead Navigator in B-17 Aircraft with the Bloody 100th Bomb Group stationed in Thorpes-Abbotts, England. Through his flying service, he was awarded the Distinguished Flying Cross and other medals. Upon returning, he started a two-person consulting engineering firm specializing in civil engineering and surveying. In 1962, the Kimball family purchased what was once a historic Inn in Ebensburg and moved the headquarters there, where it remains to this day.

Transportation Services for Highways and Airports were among the first services provided by L.R. Kimball. Airport Master Planning and Design projects were completed for various Counties and Authorities throughout WV, NY, PA, NJ, OH, MD, MO and IA. A full range of services were provided for both airside and landside developments including hangars, pavement, earthwork, drainage, lighting, marking, NAVAIDS, terminals, access roads, and parking facilities. Most of these clients are retained to the present day.

L.R. Kimball's Aviation Services Group has completed hundreds of development projects, ranging in size from general aviation, to commuter and corporate jet facilities, and major hub air carrier airports. Our success is due to our extensive knowledge of FAA, state, county and local regulations, and the ability of our project managers to effectively communicate with airport owners and deliver completed projects.

L.R. Kimball has built a solid reputation in airport engineering. Our airports staff is comprised of highly trained professionals who consistently provide clients with a full range of services, including planning, feasibility, environmental, design and permitting, and construction administration.

Aviation is our Passion



Our expertise runs the gamut of project types from master plans, environmental assessments, design of airfields, terminal facilities, navigational and landing systems, airport support buildings and equipment, construction administration and inspection, grant management and airport management services. We currently have more than 60 active clients in six states.

Aviation is our Passion. This starts at the top with our founder, L. Robert Kimball, and his history as a World War II Navigator through his vision to create a world-class engineering and architecture firm in his hometown and his participation in aviation through our consulting work and aircraft ownership. Our Aviation Services Group continues this passion through our efforts to provide quality service to our clients.

Our approach is to aid our Airport clients in the identification of their project needs, to develop a solid purpose and need for each project that will be accepted by the funding agencies, to help secure funding for the project and to develop a scope of work and design to utilize the available funding while still addressing the original purpose and need.



Civil & Environmental Consultants, Inc.

In 1989, four engineers and scientists came together with a singular vision: to be a people-first company, one that promotes a culture where clients and employees enjoy working together, and that is responsive to client needs with integrated services and high-quality work for projects both complex and routine.

More than 30 years later, Civil & Environmental Consultants, Inc. (CEC) has 1,100+ team members in offices nationwide. Headquartered in Pittsburgh, Pennsylvania, CEC is consistently ranked on *Engineering News-Record's* annual lists of the Top Design Firms and Top Environmental Firms in the nation.

A culture of accountability. We own it.

At CEC, every member of our team has a personal stake in ensuring the success of our clients. Because their success is our success. As employee-owners of the firm, we are all personally accountable for building lasting relationships and delivering outstanding results. Because we don't just work at CEC. We own it.

Being easy to work with. We own it.

At other firms, you may find one person you work well with. Here, our clients tell us they work well with all of us. It's because all of us are invested in your success. We're accessible, responsive, and operate with integrity.

Putting people first. We own it.

At CEC, people come first. Always. Whether that's our clients, our employees, or our community. It's why we listen more and work harder to understand the unique needs of our clients. And it's why we prioritize the career development of every individual on our team. People are why we do this, and why we love what we do.

Teamwork. We own it.

We are at our best when we work together. That means bringing together a diverse team of talented, passionate, multidisciplinary experts to work closely alongside clients to craft comprehensive solutions to complex problems. We believe that by working together, no problem is insurmountable.

Safety excellence. We own it.

We believe all accidents are preventable and are committed to creating an accident- and incident-free workplace for employees and subcontractors through training, safe workplace practices, and processes for assessing project hazards. CEC strives for safety excellence throughout our entire organization and holds all individuals accountable for the safe performance of their work.

CEC is an expanding, multi-disciplined company that is home to:

- Civil Engineers
- Geotechnical Engineers
- Transportation Engineers
- Structural Engineers
- Environmental Scientists
- Environmental Engineers
- Chemical Engineers
- Geologists
- Hydrogeologists
- Hydrologists
- Ecologists
- Biologists
- Wetland Scientists
- Threatened & Endangered Species Experts
- Agronomists/Soil Scientists
- Emissions Testing Professionals
- Chemists
- Archaeologists
- Construction Managers and Inspectors
- Environmental Technicians
- Treatment Plant Operators
- Land Surveyors
- Landscape Architects
- GIS Analysts and Programmers

Practices

- Air Quality
- Civil Engineering
- Ecological Sciences
- Environmental Engineering and Sciences
- Manufacturing Infrastructure Services
- Survey/Geospatial
- Waste Management
- Water Resources

Markets

- Manufacturing
- Mining
- Oil & Gas
- Power
- Public Sector
- Real Estate
- Solid Waste



Trophy Point is a certified Service-Disabled, Veteran-Owned Small Business (SDVOSB) that provides Construction Cost Estimating, Construction Management Support, Owner's Representative Services and Construction Consulting services.

Within each of these areas, Trophy Point provides ancillary services, such as those shown below. The most common services offered by Trophy Point are cost estimating, scheduling, integrated design and constructability review services, staff augmentation, and owner's representation. Trophy Point's services enable the company to provide full pre-construction controls.

For decades, Trophy Point has provided Construction Cost Estimating services, where required, in the Pre-Construction, Construction, and Post-Construction phases of a project. In 2018, Trophy Point merged with Baer & Associates, a nationally-recognized cost consulting firm known for its estimating accuracy and thoroughness. The combination of Trophy Point's mission first approach with Baer & Associates' experienced staff and history enabled the new organization to integrate the best practices of both teams in a manner that resulted in tremendous synergistic benefits to the industry.

The Trophy Point team strives to assist their clients in understanding construction costs during the concept phase of a project and provides them with detailed and accurate estimates as a project design matures. Since 1976, the Trophy Point team has developed an ability to provide accurate estimates prior to the execution of formal design efforts in an unrivaled manner that enables clients to align their scope with their budgets quickly and effectively.

The Trophy Point team is capable of supporting their clients as a project transitions into Construction in several different capacities, such as Change Order Management / Review, Pay App Reviews and Construction Consulting. Trophy Point's understanding of the variables that impact costs and their associated magnitude on a project is unrivaled and serves as the bedrock upon which their team differentiates itself from other cost consultants.

Trophy Point also provides unparalleled Owner's Representative, Construction Management Support, and Construction Consulting services. Their understanding of how a project's costs are derived has enabled them to expand their professional services into many areas, such as Scheduling, Construction Administration, Staff Augmentation, Integrated Design and Constructability Reviews, and general Owner's Representation. Their team provides a "one-stop shop" for professional services required during all phases of a project. Trophy Point is flexible and able to accommodate the needs of their clients by providing any of these services in an independent capacity as well.

Trophy Point's team consists of construction industry professionals with diverse and complementary backgrounds, educations, training and collective experiences that benefit their clients and any project team they are a part of.

The Trophy Point team consists of professionals who work out of offices in Buffalo, NY, Pittsburgh, PA, and New York, NY. Based on the nature of Trophy Point's work, members of their team are continuously co-located with clients in the field as well.

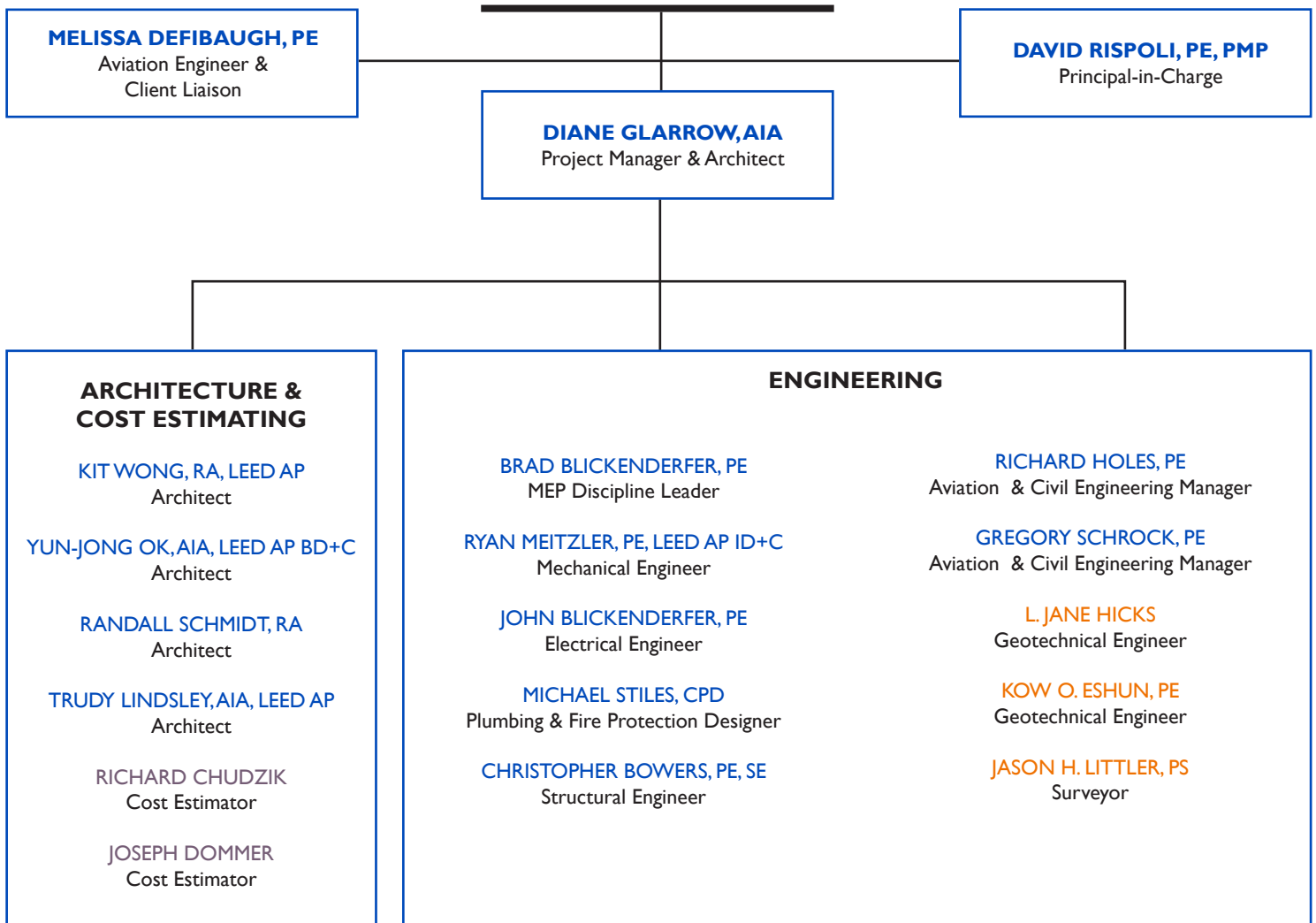


Blasdell, NY | Pittsburgh, PA | New York, NY | 716-823-0006 | www.trophypoint.com

b. STAFF QUALIFICATIONS

Organizational Chart & Resumes

STATE OF WEST VIRGINIA DEPARTMENT OF ADMINISTRATION & WV ARMY NATIONAL GUARD



ORGANIZATION CHART KEY

L.R. Kimball / TranSystems - Architecture, Building Systems Engineering, Civil Engineering

CEC - Surveying & Geotechnical Engineering

Trophy Point - Cost Estimating



DAVID RISPOLI, PE, PMP

DIRECTOR OF ARCHITECTURE & BUILDING SYSTEMS ENGINEERING

L.R. Kimball
A Division of TranSystems

YEARS OF EXPERIENCE

- 35 Years

EDUCATION

- B.S., Construction Management and Structural Engineering, The Pennsylvania State University, 1985
- Associate, Architectural Engineering, The Pennsylvania State University, 1983

AFFILIATIONS

- American Institute of Architects, Associate Member
- American Society of Civil Engineers
- National Society of Professional Engineers
- Project Management Institute

REGISTRATIONS / CERTIFICATIONS

- **WV, Professional Engineer, 1997**
- PA, Professional Engineer, 1997
- DE, Professional Engineer, 1997
- MD, Professional Engineer, 1997
- NJ, Professional Engineer, 1997
- NY, Professional Engineer, 1997
- NC, Professional Engineer, 1999
- OH, Professional Engineer, 1997
- VA, Professional Engineer, 1997
- Project Management Professional
- NCEES Certified

David has 35 years of experience and expertise in all phases of architecture, engineering, and construction management. Specific responsibilities have included operations; staff supervision; business development; coordination among the architectural, structural, civil, mechanical, and electrical disciplines; project management; budget control; direct client contact; and coordination between field and office during construction. David has managed and supervised several types of projects including transportation, commercial, correctional, judicial, public safety, healthcare, conference/office, manufacturing, and educational facilities. Dave has also been involved in several design-build and fast-track projects of substantial size and scope requiring extensive coordination of large project teams and multiple activities.

David's relevant project experience includes:

- Department of the Air Force, 911th Airlift Wing IDIQ Contract, Coraopolis, PA
 - Repairs/Additions to Security Forces Building 221
 - Repair Airfield Lighting - East and West Apron
 - Repairs/Alterations/Additions to Building 418
- Federal Aviation Administration, Open-End Contract for Architecture and Engineering Services at the William J. Hughes Technical Center, Atlantic City International Airport, Atlantic City, NJ (Consultant to Colliers Engineering and Design)
- Willow Grove Joint Interagency Installation Implementation Plan, Willow Grove ARS, PA
- Lockheed Martin, Owego, NY
 - Schematic Design Review for US101A Helicopter Integration Facility
 - VH-71 Program Facility
 - Phase IIA Conceptual Development of CSAR-X Facility
- Lehigh-Northampton Airport Authority, Design Services for a New Terminal Building for the Braden Airpark, Allentown, PA
- Lancaster Airport, New Corporate Hangar with Offices, Lancaster, PA
- Olympus Air, New Corporate Hangar at the Hazleton Regional Airport, Hazleton, PA
- Central West Virginia Regional Airport Authority / Yeager Airport, Charleston, WV
 - New U.S. Customs Building
 - FBO Garage and Line Shack
- North Central WV Regional Airport, Benedum Airport Authority, New Terminal Facility, Bridgeport, WV
- Allegheny County Airport Authority, ARFF Building "E" Rehabilitation, Coraopolis, PA
- Cabell County Emergency Services Center, Huntington, WV
- Hancock County, New Office of Emergency Management/9-1-1 Center and Health Department Building Complex, New Cumberland, WV
- Allegheny County Department of Public Works, District 5 Warehouse, Pittsburgh, PA
- Bedford County Airport Authority, Architectural/Engineering Services for New Hangar at Bedford County Airport, Bedford, PA
- PA Department of General Services
 - Armed Forces Reserve Center and Field Maintenance Shop, Williamsport, PA
 - New PennDOT Maintenance Facility, Kittanning, PA
- Wilkes-Barre/Scranton International Airport, Hangar Development, Avoca, PA
- Williamsport Airport, Exterior Tower Renovation, Williamsport, PA
- Confidential Client, New Corporate Hangar and Terminal, New York
- Marshall University
 - New Bill Noe Flight School with Hangar at Yeager Airport, Charleston, WV
 - Feasibility Study for a New Aviation Maintenance Program at Tri-State Airport and Flight Operations Program at Yeager Airport
- Pennsylvania Department of General Services, New Armstrong County Maintenance Facility, Kittanning, PA



DIANE GLARROW, AIA

PROJECT MANAGER AND ARCHITECT

L.R. Kimball
A Division of TranSystems

Diane brings over 40 years of experience to every project she is involved with. And, as knowledge + experience = wisdom, Diane's "big-picture" vision keeps complex projects on track, on time and on-budget. Diane, in her role as project manager with extensive expertise in the design of new and renovated facilities of all types, manages all technical aspects of a project.

YEARS OF EXPERIENCE

- 41 Years

EDUCATION

- B.S. Architecture, The Pennsylvania State University, 1980

AFFILIATION

- American Institute of Architects

REGISTRATIONS / CERTIFICATIONS

- **WV, Registered Architect, 2012**
- DE, Registered Architect, 2019
- MD, Registered Architect, 2012
- NC, Registered Architect, 2012,
- NY, Registered Architect, 2012
- PA, Registered Architect, 1988,
- TX, Registered Architect, 2012
- VA, Registered Architect, 2012

- Central West Virginia Regional Airport Authority / Yeager Airport, Charleston, WV
 - New U.S. Customs Building
 - FBO Garage and Line Shack
- Confidential Client, New Corporate Hangar and Terminal, New York
- Department of the Air Force, 911th Airlift Wing, Coraopolis, PA
 - Repair (Replace) HVAC System - Multiple Buildings
 - Repair/Replace HVAC Controls - Multiple Buildings
 - Construct Addition to Dining Facility 213
 - Construct Addition to AGE Shop Building 420
 - Maintain/Repair Base Supply Building 312
 - Construct Covered, Non-Heated MXS Storage Facility
 - Construct Parking Lot - Aircraft Maintenance
 - Repair Grill Exhaust Hood - Picnic Pavilion B5842
 - Conduct Wood Truss Study - Buildings 120 and 312
 - Alter/Repair/Maintain Survival Equipment B 408
 - Repair/Maintain NDI Shop B 409
 - Replace Roofs/Skylights - Building 125
- Marshall University
 - New Bill Noe Flight School with Hangar at Yeager Airport, Charleston, WV
 - Feasibility Study for a New Aviation Maintenance Program at Tri-State Airport and Flight Operations Program at Yeager Airport
- North Central WV Regional Airport, Benedum Airport Authority, New Terminal Facility, Bridgeport, WV
- Pennsylvania Department of General Services, New Armstrong County Maintenance Facility, Kittanning, PA
- Sheetz Inc.
 - Corporate Operations and Training Center, Claysburg, PA
 - New Warehouse Facility, Pittsburgh, PA
 - Renovations to Existing Corporate Offices (Four Buildings), Altoona, PA and Claysburg, PA
 - Architectural/Engineering Services for Prototype Stores, New Stores, and Renovations to Existing Stores in PA, MD, NC, OH, VA, and WV
- Bimbo Bakeries USA, Distribution Center Study, Rand, WV
- Borough of Brookville, Parking Garage/Office Building Study, Brookville, PA



MELISSA DEFIBAUGH, PE

CLIENT LIAISON & AVIATION ENGINEER

L.R. Kimball
A Division of TranSystems

YEARS OF EXPERIENCE

- 11 Years

EDUCATION

- BS, Civil Engineering, West Virginia University, 1996

REGISTRATIONS

- **WV, Registered Engineer, 2014**
- KY, Registered Engineer, 2014
- TN, Registered Engineer, 2016
- PA, Registered Engineer, 2019
- MD, Registered Engineer, 2019
- OH, Registered Engineer, 2019

Melissa serves as an Engineer and Project Manager for L.R. Kimball's Aviation Services Group focusing on West Virginia and surrounding airports. With 11 years of experience as a Civil Engineer and Project Manager, she has experience in various civil engineering areas, primarily aviation engineering.

Melissa has airport project engineering experience which includes airfield pavement evaluations, pavement construction and rehabilitation, T-hangars, perimeter fencing, obstruction evaluations, GIS surveys as well as various other airport expansion projects in accordance with FAA design circulars; Environmental project assessments including FAA CATEX and Short Form; Drainage evaluations and drainage design with NPDES permitting and FAA environmental documents; AutoCAD Civil 3D design including surfaces, alignments, profiles, corridors, assemblies and sections. Construction plan set and specification production with construction safety and phasing plans as well as project cost estimates. Construction management including addenda, Pre-Bid and Pre-Construction conferences, bid openings, submittals and change orders. Project management including grant applications, payment applications, certified payrolls, project draws, project budgets and project close-outs. She has prepared engineering design reports, construction management plans, DBE program documents and goals including assistance with compliance monitoring.

Engineering & Design Experience:

- Melissa's airport engineering experience includes airfield pavement evaluations, pavement construction and rehabilitation, T-hangars, perimeter fencing, obstruction evaluations, GIS surveys as well as various other airport expansion projects in accordance with FAA design circulars.
- Her environmental project assessments include FAA CATEX and Short Form.
- She also has experience with drainage evaluations and drainage design with NPDES permitting and FAA environmental documents; and AutoCAD Civil 3D design including surfaces, alignments, profiles, corridors, assemblies, and sections.

Project & Construction Management Experience:

- Project development tasks include construction plan sets, specifications, construction safety and phasing plans, design reports and project cost estimates.
- Project management tasks include grant applications, payment applications, certified payrolls, project draws, project budgets and project close-outs.
- Construction management tasks include Pre-Bid and Pre-Construction conferences, bid openings, submittals and change orders; DBE program and goal preparation including assistance with compliance monitoring; and construction observation.

Recent aviation projects in which Melissa has participated in include:

- Appalachian Regional Airport, Williamson, WV – Rehabilitate Runway 8-26
- Braxton County Airport, Sutton, WV – Construct 8-Unit T-Hangar
- Grant County Airport, Petersburg, WV – Construct 6-Unit T-Hangar
- Elkins-Randolph County Regional Airport, Elkins, WV – Environmental Assessment
- Logan County Airport, Logan, WV – Rehabilitate Runway 6-24 (Seal and Mark)
- Logan County Airport, Logan, WV – Install Perimeter Fence
- Mercer County Airport, Bluefield, WV – Rehabilitate Runway 5-23
- Mercer County Airport, Bluefield, WV – Install Perimeter Fence
- Mercer County Airport, Bluefield, WV – Expand Main Apron
- Philippi/Barbour County Regional Airport, Philippi, WV – Rehabilitate Main Apron and Runway 8-26
- Upshur County Regional Airport, Buckhannon, WV – Rehabilitate Runway 11-29 (Seal and Mark)
- Yeager Airport, Charleston, WV – Repair Maintenance Slip, Program Management and Rehabilitate and Redesign Taxiway B, Phase 2 (Construction)



KIT WONG, RA, LEED AP ARCHITECT



Kit M. Wong, RA, PhD, joined TranSystems in 1989 with five years of professional experience as a researcher for the University of California, Berkeley. Trained in both architecture and structural engineering, he has published numerous books and reports on earthquake hazards and seismic rehabilitation of buildings. His multi-disciplinary background allows him to bring a wide range of technical knowledge to TranSystems' design projects and add to the development of cost-effective design solutions.

At TranSystems, he has been responsible for our federal design practice in the western U.S. and had led designs for all types of facilities in DoD installations nationwide. He oversees the design/build project delivery process in the Oakland office, and has been responsible for the architectural design of vehicle maintenance facilities, various intermodal and maritime support structures, and commercial, administrative, industrial, and warehouse distribution facilities.

Kit's relevant experience includes:

- NAVFAC Mid-Atlantic, P-194 Unmanned Aircraft System Facilities Expansion, MCAS Cherry Point, NC
 - The P-194 UAV Systems Facilities Expansion project, located on MCAS Cherry Point, NC, consists of the 71,079 sq. ft. new Aircraft Maintenance Building (Hangar/Warehouse), BLDG #1, 1,600 sq. ft. new Hazardous Storage, BLDG #2, 3,000 sq. ft. new Vehicle Holding, BLDG #3, and conversion of the 4,206 sq. ft. hangar bay in the existing Building #4845 to a Motor Vehicle Work Bay. The project also includes the demolition of the existing Building #3975 and Site/Civil work including parking, vehicle access, pedestrian circulation, Anti-Terrorism, and stormwater management.
- US Customs and Border Protection, Laredo AMO Air Unit Site Master Plan, Laredo, TX
 - The proposed Laredo Air Branch includes a 14,236-SF administrative operations building, a 31,942-SF maintenance hangar facility, a 14,787-SF storage hangar facility, 68,200-SF of aircraft parking apron/ramp, an exterior aircraft wash/rinse rack, government, service and personal vehicle parking, and associated site improvements. The objective of the project is to alleviate overcrowding that exists at the current leased facility, providing adequate space to house existing personnel and allow room for enforcement flexibilities through the construction of new facilities, which will enhance compliance with security standards, regulation and mandates, and create a more secure environment for the agents at the Laredo International Airport.
- Travis Air Force Base Wing Storage, Fairfield, CA
- Travis AFB, A/E Design IDIQ, Fairfield, CA
 - Projects included design-build renovation of the 42,000 SF Aircraft Maintenance Hangar, seismic rehabilitation of the 6,680 SF Fire Station (Building 175), structural evaluation of four existing 1,000 SF canopies at the gas station (Building 170), design for a 5,000 SF addition to existing Reserve Civil Engineer General Training Facility (Building 881), and a space utilization study for a 5 story, 193,000 SF office building (Building 381).
- Travis AFB, A/E Design IDIQ 2007, Fairfield, CA
 - Projects included renovation of the Command Post (Building 31), design of the replacement fire alarm system with a new operational fire alarm system at Building 971, design for replacement of hangar door control and drive systems at Aircraft Maintenance Repair Hangar 808, design of a new four pipe HVAC system with a new chilled water distribution system utilizing existing chillers to replace the existing two-pipe system at the Chapel and Annex Buildings (Bldg 7766), preparation of approximately 48,500 sheets of existing large format plans from the Travis AFB Drafting/Geo Base Shop for scanning and indexing, development of a Requirements Document for a new \$6M cargo loading training facility, as well as updating the Architectural Compatibility Plan and incorporating it into the new Facilities Excellence Guide.

YEARS OF EXPERIENCE

- 37 Years

EDUCATION

- Ph.D., Architecture, University of California, Berkeley, 1989
- M.S., Structural Engineering, University of California, Berkeley, 1987
- M. Architecture, University of California, Berkeley, 1985
- B. Architecture, University of California, Berkeley, 1982

REGISTRATIONS

- CA, Registered Architect, 1992
- CO, Registered Architect, 2002
- DE, Registered Architect, 2016
- IA, Registered Architect, 2008
- ID, Registered Architect, 2002
- KS, Registered Architect, 2008
- MA, Registered Architect, 2013
- MD, Registered Architect, 2013
- ME, Registered Architect, 2013
- MT, Registered Architect, 2013
- NC, Registered Architect, 2013
- ND, Registered Architect, 2008
- NJ, Registered Architect, 2014
- OR, Registered Architect, 2002
- RI, Registered Architect, 2013
- WA, Registered Architect, 2002

AFFILIATION

- Society of American Military Engineers

REGISTRATIONS

- LEED Accredited Professional

KIT WONG, RA, LEED AP (continued)

- Travis AFB, Design/Build C-17 2-Bay Hangar, Fairfield, California
- Travis Air Force Base IDIQ/Hangar 808 Assessment and Renovation, Fairfield, CA
 - Design of extensive renovations of Aircraft Maintenance Hangar 808 at Travis Air Force Base. The \$2.5 million project included an innovative total replacement of the fuel cell purge and exhaust system for the 42,000 sq. ft. fuel cell maintenance hangar, the complete renovation of administrative and support spaces, demolition of obsolete plumbing and electrical equipment, upgrading the lighting system, and installation of an emergency lighting system.
- Travis Air Force Base Bldg. 977 Vehicle Storage Building, Fairfield, CA
 - Full architectural and engineering design for a new canopy to house air cargo loading vehicles at Travis AFB, in California. The canopy consisted of a 12,600 sq. ft. steel frame structure with standing seam roof and one side wall.
- Travis Air Force Base Hangar 810 Renovations, Fairfield, CA
- U.S. Army Corps of Engineers, Army Aviation Support Facility, Hunter Army Airfield, GA
 - Aviation Support Facility Complex for the Georgia Air National Guard, which includes construction of a 66,413 sq. ft. Maintenance Hangar; a 15,849 sq. ft. Aircraft Storage Facility; and a 2,405 sq. ft. Hazardous Material Storage.
- Hill Air Force Base, Depot Maintenance Hangar, Hill Air Force Base, Utah
- TAFB Sewer Rehabilitation, Travis Air Force Base, CA
- USCG Borinquen Planning and Report Proposal, Aguadilla, Puerto Rico
- Warehouse, Transportation, and Utilities Master Plan, MCAS Iwakuni, Japan
- US Coast Guard's Tactical Training Venues at FLETC, Glynco, GA
- P-240 Triton Mission Control Facility, NAS Whidbey Island, Oak Harbor, CA
- NAVFAC Southwest, Coronado NAB Indoor Small Arms Firing Range, San Diego, CA
- 41 Area Operational and Community Facilities Program, Marine Corps Base, Camp Pendleton, CA
- MCB Camp Pendleton, Design-Build Recon Battalion Ops Complex, Camp Pendleton, CA
- 1st MLG Battalion Operations Center, Marine Corps Base, Camp Pendleton, CA
- NAVFAC Southwest, Camp Pendleton Service Station, Camp Pendleton, CA
- NAVFAC Southwest, Coronado NAB Indoor Small Arms Firing Range, San Diego, CA
- Corps of Engineers Sharpe Warehouse Repairs, Sharpe Defense Distribution Depot, Lathrop, CA
- Corps of Engineers, Corpus Christi Building 258 & 1857, Naval Air Station Corpus Christi, TX
- NAVFAC Southwest-Desert IPT, Fallon AFB Fairview Peak Communications Site, Fallon, NV
- U.S. Army Corps of Engineers, NAS Building Evaluation, Defense Distribution Depot, North Island, San Diego, CA
- U.S. Army Corps of Engineers, NAS San Diego Roof Evaluation, San Diego, CA
- Travis Air Force Base, Architectural Compatibility Plan and Facilities Excellence Guide, Fairfield, CA
- Travis Air Force Base Building 175 Design-Build, Fairfield, CA
- Travis Air Force Base Bldg. 170 Canopy Evaluation, Fairfield, CA
- Travis Air Force Base C-17 Munitions Facility, Fairfield, CA
- Travis Air Force Base Aerospace Ground Equipment Facility, Fairfield, CA
- Travis Air Force Base Building 31, Fairfield, CA
- Travis Air Force Base Building 668 Fire Alarm Replacement, Fairfield, CA
- Corps of Engineers, San Joaquin Depot & Sharpe Depot Warehouse Structural Evaluations, Tracy, CA

PUBLICATIONS

- Seismic Strengthening of Unreinforced Masonry Buildings, A Design and Cost Guide for Architects and Engineers. Center for Environmental Design Research, July 1987
- Built to Resist Earthquakes: The Path to Quality Seismic Design and Construction. ATC/SEAOC Training Curriculum, 1999
- Rapid Visual Screening of Buildings for Potential Seismic Hazards: A Handbook. Federal Emergency Management Agency, National Earthquake Hazards Reduction Program, July 1988
- Rapid Visual Screening of Buildings for Potential Seismic Hazards: Supporting Documentation. Federal Emergency Management Agency, National Earthquake Hazards Reduction Program, Sept. 1988
- Techniques for Seismically Rehabilitating Existing Buildings (Preliminary). Federal Emergency Management Agency, National Earthquake Hazards Reduction Program, May 1989



RANDALL SCHMIDT, RA

ARCHITECT



Randy Schmidt is a practicing Architect, construction manager, and builder with 30 years of experience. He brings strong organizational and communication skills, knowledge of building regulations, structural engineering background, and expertise in professional practice to all his projects. At TranSystems, Randy is responsible for management of the design process from pre-planning to completion of construction. He provides guidance on design and package implications during pre-construction and upon constructability issues, offers recommendations on value management and project specifications, maintains the design brief within cost restraints and regulatory compliance, and manages multidisciplinary teams both internally and externally.

YEARS OF EXPERIENCE

- 31 Years

EDUCATION

- BS, Architecture, University of Michigan, 1984
- M.Arch., University of California, Berkeley, 1988
- M.S, Structural Engineering, University of California, Berkeley, 1988

REGISTRATIONS

- AR, Registered Architect, 2020
- CA, Registered Architect, 1994
- HI, Registered Architect, 2020
- MS, Registered Architect, 2020
- NY, Registered Architect, 2020
- OK, Registered Architect, 2020
- SC, Registered Architect, 2020

CERTIFICATION

- USACE/NAVFAC Construction Quality Management Certificate #784

Randy's relevant experience includes:

- NAVFAC Mid-Atlantic, P-194 Unmanned Aircraft System Facilities Expansion, MCAS Cherry Point, NC
 - The P-194 UAV Systems Facilities Expansion project, located on MCAS Cherry Point, NC, consists of the 71,079 sq. ft. new Aircraft Maintenance Building (Hangar/Warehouse), BLDG #1, 1,600 sq. ft. new Hazardous Storage, BLDG #2, 3,000 sq. ft. new Vehicle Holding, BLDG #3, and conversion of the 4,206 sq. ft. hangar bay in the existing Building #4845 to a Motor Vehicle Work Bay. The project also includes the demolition of the existing Building #3975 and Site/Civil work including parking, vehicle access, pedestrian circulation, Anti-Terrorism, and stormwater management.
- Design/Build RFP, Renovate B5676 & Hangar B6426, Barksdale AFB, LA
- Design, Aircraft Component Maintenance Shop, CCAD, NAS Corpus Christi, TX
- Tinker AFB KC-46A Depot Maintenance Hangar, Oklahoma City, OK
- Moody AFB Personnel Recovery 4-Bay Hangar, Moody Air Force Base, GA
- P-240 Triton Mission Control Facility, NAS Whidbey Island, Oak Harbor, CA
- FRC & OPC Homeport Buildouts at USCG Base LA/LB, San Pedro, CA
- Deepwater Engineering & Weapons Training Building – US Coast Guard TRACEN Yorktown, VA
- Waterfront Operations Facility, Joint Base Pearl Harbor-Hickam, Hawaii
- CIS Operations Complex, Marine Corps Base, Camp Pendleton, California
- Recapitalize US Coast Guard Station Manasquan and Station Atlantic City, New Jersey
- Homeporting Fast Response Cutters, US Coast Guard Base Honolulu, Hawaii.
- Boathouse Replacement, USCG Station Menemsha, Chilmark, Martha's Vineyard, Massachusetts
- 4I Area Recon, ANGLICO and BEQ Complex (Design/Build), Camp Pendleton, CA



YUN-JONG OK, AIA, LEED AP BD+C ARCHITECT



Yun has 25 of experience in architectural planning and design of a diverse range of large complex landside, airside and terminal aviation projects. Yun has serving as an architect on numerous projects for aviation, transit and federal market sector clients. Yun is a skilled architect at addressing both large-scale issues and solving intimate design details. Yun's ability to communicate, organize, and oversee the efforts of the entire design team through all phases of the project. Yun expertise includes areas of space planning, programming, code analysis, feasibility studies, and design of building renovations. Yun has a reputation for developing programs and design concepts that have been successfully built on time and within budget.

YEARS OF EXPERIENCE

- 25 Years

EDUCATION

- M.A., Architecture, Washington University in St. Louis, 1997
- B.S., Architectural Engineering, Konkuk University (South Korea), 1993

REGISTRATIONS

- PA, Registered Architect, 2003

CERTIFICATIONS

- USACE/NAVFAC Construction Quality Management Certificate #784
- LEED Accredited Professional BD+C

Yun's relevant experience includes:

- NAVFAC Mid-Atlantic, P-194 Unmanned Aircraft System Facilities Expansion, MCAS Cherry Point, NC
 - The P-194 UAV Systems Facilities Expansion project, located on MCAS Cherry Point, NC, consists of the 71,079 sq. ft. new Aircraft Maintenance Building (Hangar/Warehouse), BLDG #1, 1,600 sq. ft. new Hazardous Storage, BLDG #2, 3,000 sq. ft. new Vehicle Holding, BLDG #3, and conversion of the 4,206 sq. ft. hangar bay in the existing Building #4845 to a Motor Vehicle Work Bay. The project also includes the demolition of the existing Building #3975 and Site/Civil work including parking, vehicle access, pedestrian circulation, Anti-Terrorism, and stormwater management.
- US Customs and Border Protection, Laredo AMO Air Unit Site Master Plan, Laredo, TX
 - The proposed Laredo Air Branch includes a 14,236-SF administrative operations building, a 31,942-SF maintenance hangar facility, a 14,787-SF storage hangar facility, 68,200-SF of aircraft parking apron/ramp, an exterior aircraft wash/rinse rack, government, service and personal vehicle parking, and associated site improvements. The objective of the project is to alleviate overcrowding that exists at the current leased facility, providing adequate space to house existing personnel and allow room for enforcement flexibilities through the construction of new facilities, which will enhance compliance with security standards, regulation and mandates, and create a more secure environment for the agents at the Laredo International Airport.
- City of Chicago Department of Aviation, Airport Transit System, Maintenance & Storage Facility Expansion, Chicago, IL
- NAVFAC NW MACC - NAS Whidbey Island Triton MCP, Whidbey Island Oak Harbor, WA
 - Design-build, firm-fixed price, for all labor, materials, equipment and associated costs to demolish the existing Building #243 at NAS Whidbey Island and construct a 28,115 square foot, one-story Triton Mission Control Facility. The scope for this project also includes a broad area marine surveillance earth station antenna site on NASWI's north quadrant, emergency generator, electrical utilities, paving and site improvements.
- Philadelphia International Airport, SEPTA Platforms Improvement, Philadelphia, PA
- Philadelphia International Airport: On-Call Architectural Services Contract (2016-2019), Philadelphia, PA
- Philadelphia International Airport, Division of Aviation Office Relocation, Philadelphia, PA
- Philadelphia International Airport, QATAR Airways Office Repairs, A-East, Gate A2, Philadelphia, PA
- Baltimore Washington International Airport, Commuter Terminal Wall Extension, Baltimore, MD
- Qualitest, Warehouse for Tablet Operations, Huntsville, AL



TRUDY LINDSLEY, AIA, LEED AP ARCHITECT

L.R. Kimball
A Division of TranSystems

With 18 years of experience in the architecture/engineering industry, Trudy's demonstrated areas of expertise include architectural design, production, construction documentation, project management and construction administration. She utilizes BIM/Revit and AutoCAD software in the drafting and production of architectural drawings from the schematic design phase through the construction documents phase.

Trudy has extensive experience in the creation of renderings of interior and exterior spaces of the project using Revit and Enscape. She is also skilled in the use of Sketch-Up. These project types have encompassed both new construction and renovations to existing facilities.

YEARS OF EXPERIENCE

- 18 Years

EDUCATION

- Bachelor of Architecture, The Pennsylvania State University, 2003

REGISTRATIONS/ CERTIFICATIONS

- PA, Registered Architect, 2008
- NJ, Registered Architect, 2019
- LEED Accredited Professional
- NCARB Certified

AFFILIATION

- American Institute of Architects

Trudy's relevant experience includes:

- Bedford County Airport Authority, New Hangar, Bedford, PA
- Marshall University, New Bill Noe Flight School with Hangar at Yeager Airport, Charleston, WV
- Central WV Regional Airport Authority, New US Customs Building at Yeager Airport, Charleston, WV
- Confidential Client, New Corporate Hangar and Terminal, NY
- Allegheny County Airport Authority, Airfield Pavement Rehabilitation, Pittsburgh, PA
- Allegheny County Department of Public Works, District 5 Warehouse, South Park, Pittsburgh, PA
- Federal Aviation Administration, Open-End Contract for Architecture and Engineering Services at the William J. Hughes Technical Center, Atlantic City International Airport, Atlantic City, NJ (Consultant to Colliers Engineering and Design)
- US Gypsum, Structural Design for Foundations and Structural Modifications to a Storage Dome, PA
- Pennsylvania Turnpike Commission, New Warehouse, Kittanning, PA
- Williamsport Airport, Exterior Tower Renovation, Williamsport, PA
- Sheetz Inc.
 - Renovations to Existing Corporate Offices, Altoona, PA and Claysburg, PA
 - Architectural/Engineering Services for 100+ Stores: Prototype Stores, New Stores, and Renovations to Existing Stores in PA, MD, NC, OH, VA, and WV

Key Staff

Richard Chudzik

**President & Owner –
Estimator & Project Manager**

Background

Rich brings 20 years of leadership experience across organizations and teams of varying functions, sizes, and industries to Trophy Point. Rich has served as the Estimator-of-Record and Project Manager on several new-build and renovation projects.

Rich has worked as a Quantity Estimator, Project Manager, and Estimator-In-Charge. These projects have ranged from \$75,000 to \$250M in construction value. Prior to starting Trophy Point, Rich worked as an Estimator and Business Development Director for one of the Nation's most reputable Cost Consulting firms, Baer & Associates.

Prior to joining the Construction Industry, Rich worked in the Aerospace & Defense Industry where he served in several different capacities and at varying levels at Moog and General Dynamics Land Systems in General Management, Supply Chain, Business Development, and Operations. As a Veteran Infantry Officer who served in Iraq and Afghanistan, Rich has a passion for supporting our Veterans and their Spouses – something that served as an impetus behind the founding of Trophy Point. He is the recipient of a Bronze Star, Purple Heart and a graduate of several military schools, including Ranger, Airborne, Air Assault, Marine Corps Mountain Warfare, and SERE Level B schools.

Education

- *United States Military Academy, West Point, NY*
B.S. – Political Science & Computer Science
- *Duke University, Durham, NC*
M.B.A.
- *Cornell University, Ithaca, NY*
M.Eng. – Systems Engineering

Project Experience

- Niagara Falls AFB –
 - Renovate APS Facility, Building 810
 - Building 821 Addition & Alterations for Emergency Control Center
 - Repair Aircraft Fire Training Facility
 - 914th Airlift Wing – Renovate Hangar B850
- USACE Picatinny Arsenal
 - New Building 18 Annex
 - Combat Capabilities Development Command Armaments Center
 - Building 640 – Improve CONEX BOX HVAC



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Key Staff

Joseph Dommer

Executive Vice President – Senior Estimator

Background

Joe brings 30 years of industry experience to the firm. With a degree in Construction Management Technology, Mr. Dommer's experience includes many public, university, K-12, healthcare, and complex industrial projects where he has served as the Chief Cost Estimator and/or Project Manager.

Joe has supported hundreds of projects that have ranged from \$100,000 to \$500M in construction value. He is also a graduate of the University at Buffalo Center for Entrepreneurial Leadership. Joe's experience is rooted in his time at Baer & Associates where he started in June 1991 as a Summer intern and became a full-time employee in May 1992. Joe's career path took him through several different roles at Baer & Associates, including Quantity Estimator, Project Manager, Vice President, and President in 2004.

In 2017, he co-founded Trophy Point with Rich Chudzik and has been applying his lessons learned from the industry over the past 30 years towards growing the company. Mr. Dommer is a member of the Hilbert Board of Trustees, and an affiliate member of the Buffalo-Western New York Chapter of the American Institute of Architects.

Education

- *Erie Community College, Buffalo, NY*
Associates – Construction Management
- *University at Buffalo, Buffalo, NY*
Core program graduate – Center for Entrepreneurial Leadership

Project Experience

- Davis-Monthan AFB – Repair DFAC & Repair / Convert Facility to Flight Kitchen
- OGS Jamaica Armory Renovation
- PA DGS Department of Military and Veterans Affairs – Combined Support Maintenance Shop
- USACE Picatinny Arsenal
 - Buildings 217 & 218 Equipping for an Addition to the Field Offices
 - AC Building 323 Duplex ARMAG Installation
- USACE Watervliet Arsenal – Gun Tube Heat Treat Furnace Replacement



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RICHARD HOLES, PE

AVIATION AND CIVIL ENGINEERING MANAGER

L.R. Kimball
A Division of TranSystems

A member of the L.R. Kimball Team for over 32 years, Rick currently serves as the Director for all Aviation and Civil Engineering Services work at L.R. Kimball. As Director, he is responsible for the day-to-day operations of L.R. Kimball's airport planning, environmental, design, and construction staff, QA/QC, business development, and client coordination, and for overseeing all Civil Engineering Services performed by the Company.

Additionally, Rick manages some of our largest Airport Design Projects. Within the past few years alone, he has managed projects on the Fairmont Municipal and Yeager Airports in West Virginia as well as Doylestown, Quakertown, University Park, Williamsport Regional, Wilkes-Barre/Scranton International, Penn Valley, Queen City Municipal and Braden Airports in Pennsylvania. He has also managed projects at Ocean City Municipal Airport in New Jersey.. Rick's relevant experience includes:

YEARS OF EXPERIENCE

- 32 Years

EDUCATION

- BS, Civil Engineering, The Pennsylvania State University, 1989

REGISTRATIONS/ CERTIFICATIONS

- **WV, Registered Engineer, 1997**
- DE, Registered Engineer, 2002
- MD, Registered Engineer, 1997
- NJ, Registered Engineer, 1998
- OH, Registered Engineer, 1997
- PA, Registered Engineer, 1996
- VA, Registered Engineer, 1997

AFFILIATIONS

- PA Aviation Advisory Committee (2013-Present)
- Aviation Council of Pennsylvania (ACP), Board of Directors July 2004 - 2019; Vice President October 2008 - September 2010; President September 2010 - September 2012

- Yeager Airport, Charleston, WV
 - Marshall University, New Bill Noe Flight School with Hangar
 - Rehabilitate and Remove Access Taxiways
 - Extend Eagle Mountain Road
 - Develop GA Area Master Plan
 - Construct US Customs Building and Rehabilitate GA Terminal Area
 - Rehabilitate Taxiway B
- Fairmont Municipal Airport, Fairmont, WV
 - Construct T-Hangar Building (2)
 - Expand West General Aviation Apron
 - Construct Partial Parallel Taxiway (3 phases)
 - Construct West General Aviation Apron
- New Garden Flying Field, Toughkenamon, PA
 - East T-Hangars and Taxilanes
 - Rehabilitate West T-Hangar Apron
 - Construct Parallel Taxiway
- Williamsport Regional Airport, Montoursville, PA
 - Runway 9-27 Approach Improvements
 - EA for Runway Approach Improvements
 - Runway Approach Improvement Feasibility Study
 - Acquire Snow Removal Equipment
 - Remove Obstructions on the Runway 9-27 Approaches Rehabilitate General Aviation Apron
 - Extend Taxiway D to the Terminal Apron
 - Reconfigure Airfield Signage
 - Improve Runway Safety Areas
 - Extend Runway 9-27 by 350'
 - Extend Parallel Taxiway B by 2,500' to Runway 9 End
 - Extend Parallel Taxiway B by 2,200' to Runway 27 End
- Wilkes-Barre/Scranton International Airport, Avoca, PA
 - Extend Taxiway B to the Runway 22 End (Site Preparation and NAVAIDs)
 - Expand and Rehabilitate Fuel Farm
 - Extend Taxiway B to the Runway 22 End, Phase I (Design and Permitting)
 - EA and Preliminary Design for Taxiway B Extension to the Runway 22 End
 - Rehabilitate / Extend Hangar Road
 - Rehabilitate/Overlay Runway 4-22
- Queen City Municipal Airport, Allentown, PA
 - Construct T-Hangar Taxilanes and Aprons
 - Relocate Taxiway C and Construct Itinerant Aircraft Apron
 - Replace Aviation Fuel Farm, Phase I (Preliminary Design)



BRAD BLICKENDERFER, PE

MEP DISCIPLINE MANAGER

L.R. Kimball
A Division of TranSystems

Brad has 23 years of experience in the design of electrical, lighting, telecommunications, and security systems for various types of projects including a variety of local, county, state, and federal government facilities.

As MEP Discipline Manager, Brad is responsible for managing the overall MEP design and documentation to ensure that the design conforms with your project needs and that standards are met within the framework of established quality control/quality assurance guidelines.

YEARS OF EXPERIENCE

- 23 Years

EDUCATION

- Bachelor of Science, Electrical Engineering, University of Pittsburgh at Johnstown, 1999

REGISTRATIONS/ CERTIFICATIONS

- **WV, Professional Engineer, 2012**
- Professional Engineer in Seven Additional States

AFFILIATIONS

- Institute of Electrical and Electronics Engineers

Brad's electrical engineering experience includes site inspections and field surveys, cost estimating, coordination of various building systems with electrical and lighting requirements, preparation of reports and specifications, ensuring compliance with all applicable codes and equipment specifications, shop drawing/submittal processing, review of value engineering and change order requests, and punchlists.

Brad's relevant project experience includes:

- Bedford County Airport Authority, New Hangar, Bedford, PA
- Marshall University, New Bill Noe Flight School with Hangar at Yeager Airport, Charleston, WV
- Central WV Regional Airport Authority, New US Customs Building at Yeager Airport, Charleston, WV
- Confidential Client, New Corporate Hangar and Terminal, NY
- Architecture & Engineering Design Services for a Variety of Projects, 5 Year Contract for the Federal Aviation Administration, Atlantic City, NJ (Consultant to Collier's Engineering and Design Consulting)
- Allegheny County Airport Authority, Coraopolis, PA
 - ARFF Building "E" Rehabilitation
 - ACAA AGC Main Parking Lot Rehab
 - Clinton Commerce Park
- Johnstown - Cambria County Airport, Terminal HVAC Study, Johnstown, PA
- Reading Airport, MEP Upgrades, Reading, PA
- Department of the Air Force, 911th Airlift Wing, Coraopolis, PA
 - Repair Airfield Lighting (East and West Apron)
 - Repair/Add to Security Forces Building 221
- Wilkes-Barre/Scranton International Airport, Avoca, PA
 - Wilkes-Barre Scranton Airport A/E Services for Proposed Hangar Development
 - 2012 Taxiway B Extension (Runway 22 Approach End) Environmental and Preliminary Engineering Design
- Washington County Airport, Washington, PA
 - Design, bidding and construction management services for the relocation of the Automated Weather Observing System (AWOS) sensor group to a site near the runway 27 Glideslope.
- PA Department of Corrections, New Office Building, Mechanicsburg, PA*
 - Complete Electrical Design of New Department of Corrections Office Headquarters Building
- PA Department of General Services, PAARNG Readiness Center, Hermitage, PA*
 - Complete Electrical Design of New Army National Guard Readiness Center
- PA Department of General Services, Stryker Brigade Building, Punxsutawney, PA*
 - Complete Renovation to Existing Stryker Building
- PA Department of General Services, Stryker Brigade Building, Bradford, PA*
 - Complete Renovation to Existing Stryker Building
- US Air Force, Youngstown Air Force Base - New Soldier Housing, Youngstown, OH*
 - Complete Electrical Design of New Housing Unit Complex

*Indicates project experience prior to joining L.R. Kimball



RYAN MEITZLER, PE, LEED AP

SENIOR MECHANICAL ENGINEER

L.R. Kimball
A Division of TranSystems

YEARS OF EXPERIENCE

- 16 Years

EDUCATION

- B.S., Mechanical Engineering, The Pennsylvania State University, 2004

REGISTRATIONS/ CERTIFICATIONS

- **WV, Professional Engineer, 2017**
- Professional Engineer in 9 Additional States
- LEED Accredited Professional Interior Design + Construction (LEED AP ID+C), 2013

AFFILIATIONS

- American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE)

Ryan has over 16 years of experience in the design of complex mechanical and plumbing systems for various types of projects including airport support buildings, offices, and industrial facilities, involving both new construction and renovations. Ryan's responsibilities and experience have included serving as the primary point of contact for clients; survey and documentation of existing building systems and conditions; development of construction documents and coordination with architectural and structural elements; and ensuring compliance with ICC codes, ASHRAE standards, and other applicable requirements. Ryan's experience also includes the management and documentation of LEED credits as well as the maintenance and improvement of CAD, Revit, and mechanical department standards. He is proficient in AutoCAD MEP, Revit, MasterSpec, HAP, Trane Trace 700, and the Microsoft Office Suite.

Ryan's relevant project experience includes:

- Confidential Client, New Corporate Hangar and Terminal, New York
- Architecture & Engineering Design Services for a Variety of Projects, 5 Year Contract for the Federal Aviation Administration, Atlantic City, NJ (Consultant to Collier's Engineering and Design Consulting)
- Marshall University, New Bill Noe Flight School with Hangar at Yeager Airport, Charleston, WV
- Central WV Regional Airport Authority, New US Customs Building at Yeager Airport, Charleston, WV
- Allegheny County Department of Public Works, PA
 - District 5 Warehouse, South Park
 - District 5 Warehouse Site Analysis
- Allegheny County Department of Public Works, PA
 - District 5 Warehouse, South Park
 - District 5 Warehouse Site Analysis
- PA Turnpike Commission, Open-End Contract for A&E Services, Various, PA
 - Bowmansville Maintenance Feasibility Study and Design Services, Bowmansville
 - Central Archive Facility Work, Middletown
 - Harrisburg West Interchange, Back Up Traffic Operations Facility, Interior renovations to existing 1,000 square feet garage building, Harrisburg
 - Mon-Fayette Expressway, New Jefferson Hills Warehouse, Canonsburg
- Toms River Regional Schools, Energy Savings Improvement Projects, Colliers Engineering and Design, Toms River, NJ
- State College Water Authority, New Treatment Facility, State College, PA, Gwin Dobson & Foreman
- Amazon Web Services, Approximately 125,000 SF across 5-1/2 floors*
 - Spaces consisted of open and closed offices, pantries, conference rooms, conferencing center & SCIF space. Multiple glycol-cooled supplemental AC units for various IT spaces.

*Indicates project experience prior to joining L.R. Kimball



JOHN BLICKENDERFER, PE

SENIOR ELECTRICAL ENGINEER

L.R. Kimball
A Division of TranSystems

John has 15 years of experience as an Electrical Engineer on a wide variety of project types, including hangars, offices, and government projects. John is responsible for the design of various electrical systems including power distribution, fire alarm, CATV, telecommunications, lighting, A/V, and security systems; site surveys and evaluations of existing electrical systems; preparation of cost estimates and electrical specifications; coordination of design documents with utility companies and the architectural and other engineering disciplines; ensuring compliance with the NEC, IBC, NFPA, and all other applicable building codes; and construction administration activities.

YEARS OF EXPERIENCE

- 15 Years

EDUCATION

- Bachelor of Science, Electrical Engineering Technology (Minor in Mathematics), University of Pittsburgh at Johnstown, 2009

REGISTRATION

- PA, Registered Engineer, 2015

John's relevant experience includes:

- Marshall University, New Bill Noe Flight School with Hangar at Yeager Airport, Charleston, WV
- New Garden Flying Field, Construction of Two Hangars, Landenberg, PA
- Reading Regional Airport, MEP Upgrades, Reading, PA
- Architecture & Engineering Design Services for a Variety of Projects, 5 Year Contract for the Federal Aviation Administration, Atlantic City, NJ (Consultant to Collier's Engineering and Design Consulting)
- Williamsport Regional Airport, Fuel Farm Relocation, Montoursville, PA
- Washington County Airport, Relocated AWOS Site Preparation, Washington, PA
- Bedford County Airport Authority, New Hangar, Bedford, PA
- City of Williamsport, Trade & Transit Centre II, Williamsport, PA
- Confidential Client, Feasibility Conditions Assessment & Master Plan Study, PA
- Department of Veterans Affairs, National Cemetery Administration, Washington Crossing National Cemetery Design/Build Columbarium and In-Ground Cremains Project, Newtown, PA (Consultant to LA Group)
- Allegheny County Department of Public Works, A&E Services under an Open-End Contract, Allegheny County, PA
- Sheetz, Inc.
 - New Corporate Operations and Training Center, Claysburg, PA
 - New Warehouse Facility, Pittsburgh, PA
 - Renovations to Existing Corporate Offices (Four Buildings), Altoona, PA and Claysburg, PA
 - Architectural/Engineering Services for Prototype Stores, New Stores, and Renovations to Existing Stores in PA, MD, NC, OH, VA, and WV
- Area Transportation Authority (ATA) Punxsutawney Transit Center, Punxsutawney, PA*
- Hydraulic Stimulation Fluid Manufacturing Facility, Bloomsburg, PA*
- PA Department of Environmental Protection, New Stanton Office Building, New Stanton, PA*
- Porter Tower Joint Municipal Authority, Wastewater Treatment Plant, Tower City, PA*
- Shenango Valley Shuttle Service, Hermitage, PA*

*Indicates project experience prior to joining L.R. Kimball



MICHAEL STILES, CPD

SR. PLUMBING & FIRE PROTECTION DESIGNER

L.R. Kimball
A Division of TranSystems

Michael serves as a Senior Plumbing & Fire Protection Designer. He has over 21 years of experience in the design and preparation of working drawings for all types of plumbing/fire protection systems.

Michael has extensive experience using AutoCAD and REVIT for plumbing and fire protection system layouts. His experience also includes natural gas systems, stormwater piping and medical gas/vacuum piping.

His project experience includes government, commercial, correctional, office, public safety, industrial, manufacturing, transportation, judicial, municipal, educational, and healthcare. Michael has also gained valuable experience in HVAC and electrical design, which has given him good coordination skills, not only with architects, but also with other engineering disciplines within L.R. Kimball.

Michael's relevant experience includes:

YEARS OF EXPERIENCE

- 21 Years

EDUCATION

- A.A., Specialized Technology
(Drafting and Design, York Technical Institute, 2000)

CERTIFICATION

- Certified Plumbing Designer (CPD)

- Marshall University, New Flight School at Yeager Airport, Charleston, WV
- Bedford County Airport, New Hangar, Bedford, PA
- Architecture & Engineering Design Services for a Variety of Projects, 5 Year Contract for the Federal Aviation Administration, Atlantic City, NJ (Consultant to Collier's Engineering and Design Consulting)
- Allegheny County Department of Public Works, New Warehouse, Pittsburgh, PA
- Central West Virginia Regional Airport Authority, New U.S. Customs Building at Yeager Airport, Charleston, WV
- Sheetz, Inc., Altoona, PA
 - Distribution Center Renovations
 - Finance Building Renovations
 - Main Building Renovations
 - On-Call Services
 - Store 354 Renovations
- Confidential Client, Office Fit-Out, State College, PA
- Confidential Client, New Corporate Hangar and Terminal, NY
- Pennsylvania Turnpike Commission, Feasibility Study and Design Services for a New Warehouse, Jefferson Hills, Canonsburg, PA
- State College Water Authority, Nixon-Kocher New Treatment Plant (Consultant to Gwin Dobson & Foreman), State College, PA
- Washington Crossing National Cemetery, Design/Build Columbarium and In-Ground Remains project at the Washington Crossing National Cemetery for the Department of Veterans Affairs, National Cemetery Administration, Newton, PA (Consultant to LA Group)
- Toms River Regional Schools, Facilities Conditions Assessment and Subsequent Renovations/Additions/Repairs, Toms River, NJ (Consultant to Colliers Engineering and Design)



CHRISTOPHER BOWERS, PE, SE*

SR. STRUCTURAL ENGINEER

L.R. Kimball
A Division of TranSystems

Chris has over 20 years of experience as a Structural Engineer on a variety of projects including hangars and industrial / commercial facilities. He utilizes structural analysis and design software as well as AutoCAD and Revit in the drafting and production of drawings for structural systems for various types of facilities including educational and federal facilities.

Chris is a member of American Institute of Steel Construction; American Society of Civil Engineers; American Concrete Institute; Structural Engineers Association of Pennsylvania - Structural Engineering Emergency Response Committee Member; and PEMA Task Force 2, Company 5, Urban Search and Rescue, Structural Engineer.

YEARS OF EXPERIENCE

- 20 Years

EDUCATION

- BS, Civil Engineering, The Pennsylvania State University, 2000

MILITARY EXPERIENCE

- Army, 1995-1996; E-2 (Private) in the 4th Finance Battalion stationed at Fort Carson, CO

REGISTRATIONS / CERTIFICATIONS

- **WV, Professional Engineer, 2006**
- Registered Engineer in 18 Additional States
- LEAN Certified, 2020
- *GA, Licensed Structural Engineer, 2021
- *NE, Licensed Structural Engineer, 2021
- *Illinois, Licensed Structural Engineer, 2010
- California, Safety Assessment Program Evaluator, 2014
- FEMA/USACE US&R Structures Specialist, StSI, October 2017
- FEMA/USACE US&R Advanced Structures Specialist, October 2020

PROFESSIONAL AFFILIATIONS

- American Institute of Steel Construction
- American Society of Civil Engineers
- Structural Engineers Association of Pennsylvania - Structural Engineering Emergency Response Committee Member
- PEMA Task Force 2, Company 5, Urban Search & Rescue, Structural Engineer

Chris' relevant experience includes:

- Central WV Regional Airport, Garage Assessment, Yeager Airport, Charleston, WV
- Confidential Client, New Corporate Hangar and Terminal, New York
- Lockheed Martin, VH-71 Helicopter Integrations Facility, Owego, NY
- Penn State University / University Park Airport, Hangar Concrete Pad for Wind Tunnel, State College, PA
- PA Turnpike Commission, Open-End Contract for A&E Services, Various, PA
 - Bowmansville Maintenance Facility, Bowmansville, PA
 - Central Archive Facility Work, Middletown, PA
- Bucks County Airport Authority, Upper Bucks Technical School Property Acquisition, Quakertown, PA
- PA Department of General Services
 - New Armstrong County Maintenance Facility, Salt & Equipment Storage Buildings, and Site Development, Kittanning, PA
 - New Armed Forces Reserve Center and Field Maintenance Shop, Williamsport, PA
- Walsh Construction, Warehouse Building Relocation, Holtwood, PA
- United States Gypsum Corporation, Washingtonville, PA
 - Synthetic Gypsum Auxilliary Storage Shed
 - Structural Analysis and Repair
- 328 Innovation Boulevard Shell Office Building, State College, PA
- 329 Innovation Boulevard Shell Office Building, State College, PA
- BG William C. Doyle Veterans Memorial Cemetery, Wrightstown, NJ
- Bimbo Bakeries USA, Distribution Center Study, Rand, WV
- City of Williamsport, Williamsport, PA
 - Trade & Transit Centre - Phase II
 - Church Street Transportation Center
 - Mid-Town Parking Garage Inspections
 - Limited Engineering Services for Cleaning and Inspection of the West 3rd Street Parking Garage
- Department of Environmental Protection, Southeast Regional Office Building, Norristown, PA
- The Greater Johnstown Technology Park, Johnstown, PA
- The Greater Johnstown Technology Park, Tenant Fit-Out for General Services Administration, Johnstown, PA
- The Oak Group, Inc., Rescue Swimmer Training Facility (RSTF) at the US Coast Guard Support Center, Elizabeth City, NC
- Sheetz, Inc.,
 - New Corporate Headquarters, Claysburg, PA
 - Architectural/Engineering Services for Prototype Stores, New Stores, and Renovations to Existing Stores in PA, MD, NC, OH, VA, and WV
- Siemens Energy, Inc., Analysis of Generator Enclosure Structure, Charlotte, NC
- Tech Park Associates, Structural Analysis of IBM Office Building, Mechanicsburg, PA



GREGORY SCHROCK, PE, CPESC

CIVIL ENGINEER

L.R. Kimball
A Division of TranSystems

Greg has over 27 years serving as a Civil Engineer and Project Manager for L.R. Kimball. He specializes in various aspects of site development and municipal design. On the municipal side, he is involved with the design of waterlines, sanitary sewers, pumping stations, and water systems. As a project engineer/manager, he is responsible for the design, project management, project meetings and coordination, project specifications, client interaction, and permit acquisition for various land development projects. He is involved with the design of roadways, parking lots, site layout, stormwater management facilities and analysis, sanitary sewer systems, water distribution systems, and the preparation of contract documents.

YEARS OF EXPERIENCE

- 27 Years

EDUCATION

- BS, Civil Engineering Technology, University of Pittsburgh at Johnstown, 1994

REGISTRATIONS / CERTIFICATIONS

- **WV, Professional Engineer, 2006**
- Professional Engineer in 3 Additional States
- Qualified Preparer of Stormwater Pollution Prevention Plans, No. 4251273
- Certified Professional in Erosion and Sediment Control, No. 5567

Greg's stormwater management design experience includes hydrologic and hydraulic analysis, detention basin design, stormwater collection and conveyance system design, preparation of construction drawings, preparation of stormwater management reports including pre- and post-development runoff computations, routing of storm flows through proposed detention basins, and basin design computations. He is also involved with the preparation of erosion and sedimentation control plans including designing the construction documents, preparing NPDES permit applications, letters, erosion and sedimentation control reports, preparing construction sequences, and design computations for each erosion and sedimentation control device utilized. With NPDES and stormwater plan submissions, Greg is involved with Best Management Practices and design, water quality devices, stormwater volume calculations, rain garden, and bioretention and infiltration systems that assist with the reduction of stormwater management peak flows and impact to the downstream waterways or systems.

Greg's relevant project experience includes:

- Central West Virginia Regional Airport Authority (Yeager Airport), Charleston, WV
 - New Airport Maintenance Facility at Yeager Airport
 - Relocate Rental Car Facilities
 - Improve Airport Drainage (Slip and Erosion Repairs) at Yeager Airport
- Chester County Airport, Construct Corporate Hangar Apron Ph I Design & Bidding G.O Carlson Airport, Chester County, PA
- New Garden Flying Field, West Hangar Development, Site Preparation and Hangar Construction, Landenburg, PA
- Johnstown Cambria County Airport, Nulton Aviation Upgrade and Enhancement of FBO Building, Johnstown, PA
- Allegheny County Department of Public Works, Open-End Contract for Architectural and Engineering Services
 - New District 5 Warehouse & Site Analysis and Traffic Study, Pittsburgh, PA
 - Design & Surveying Services District 5 Public Facility McConkey Rd
- 331 Innovation Boulevard, GLP IP LLP, State College, PA.
- UPMC Ebensburg Medical Office Building
- Carrie Furnace Industrial Park, Pittsburgh, PA
- Richland Town Centre, Wal-Mart Stores, Inc., Johnstown, PA
- Hancock County, WV, New Office of Emergency Management/911 Center and Health Department Building Complex(Schematic, Wetland Assessment, Surveying and Mapping)

L. Jane Hicks Senior Project Manager



24 YEARS OF EXPERIENCE

EDUCATION

B.S., Mining Engineering, West Virginia University, 1981

M.A., Education, West Virginia University, 1989

Ms. Hicks has more than 20 years of geotechnical engineering experience with fifteen years of project management experience. Ms. Hicks has conducted geotechnical investigations for a myriad of clients including coal companies, power generation facilities, manufacturing plants, municipalities, engineering companies and developers. She routinely develops scope and fees for small to moderate single discipline projects or for the geotechnical aspect of multi-discipline projects. She manages and coordinates the subsurface exploration and laboratory testing, provides geotechnical engineering analysis and design which includes preparation of design calculations and completion of design submission reports and specifications.

Jane's technical skills include development of deep and shallow foundation recommendations, slope stability analysis, fill slope design, reinforced soil slope design, and development of geotechnical recommendations for difficult sites.

PROJECT EXPERIENCE

ABL South Slope Landslide, Northrop Grumman Innovation Systems, Inc., Rocket Center, WV

Role: Project Manager

Jane coordinated the field work for the subsurface investigation at the site and managed the subsequent landslide remediation design effort.

Potomac Drive Landslide, Northrop Grumman Innovation Systems, Inc., Rocket Center, WV

Role: Project Manager

Jane coordinated the subsurface investigation and reviewed the design calculations..

South Gate Road Slope Stabilization Design, WV National Guard, Preston County, Kingwood, West Virginia

Role: Project Manager

Jane coordinated the subsurface investigation, authored the geotechnical report, and assisted with the subsequent retaining wall design for the landslide impacting South Gate Road.

Coal

Shoemaker Raw Coal Facilities, Consol Energy, Moundsville Marshall, WV*

Ms. Hicks supervised the excavation of test pits and compiled additional subsurface information from a drilling program for a proposed conveyor system to serve the Shoemaker Mine. The conveyor and service roadway were to be constructed on a steep, slide prone hillside. In addition, she investigated old landslides and performed stability analyses for different sections of the conveyor system. She also provided earthwork recommendations and deep foundation recommendations for the proposed bent structures.

Upgrades to Bailey Complex, Consol Energy, Enon, PA*

Ms. Hicks supervised the geotechnical evaluation and provided deep foundation recommendations for proposed raw and clean coal silos and conveyor bent supports. Shallow foundation recommendations were also provided for various support structures.



Civil & Environmental Consultants, Inc.

L. Jane Hicks

Senior Project Manager

Higher Education

WVU Baseball Stadium, WVU, Morgantown Monongalia, WV*

Ms. Hicks served as geotechnical consultant during the preliminary planning stage of the WVU Baseball Stadium. The undeveloped site was underlain by several feet of coarse coal refuse. In addition, past deep mining activity was documented in two coal seams beneath the site. As part of the preliminary geotechnical investigation, subsidence and settlement risks were discussed. Jane developed a preliminary deep mine remediation plan and provided estimated fees for implementation of the plan to WVU to aid in planning.

WVU Coliseum Upgrades and Shell Building Additions, WVU, Morgantown Monongalia, WV*

Ms. Hicks planned a subsurface investigation to aid in the design of the planned coliseum upgrades and additions to the existing shell building, and provided a geotechnical report which provided earthwork and foundation recommendations. Portions of the existing structures had damages due to swelling pressures exerted by pyritic sulfur in the underlying black shale. Therefore, the recommendations included provisions to limit potential foundation and slab-on-grade movements.

Local Government

Dorsey Knob Slide, Morgantown BOPARC, Morgantown Monongalia, WV*

Ms. Hicks investigated a slide at Morgantown's Dorsey Knob Park. She developed a subsurface investigation, monitored the drilling operations, and prepared a geotechnical evaluation report. She performed a slope stability analysis and design a new fill embankment. Ms. Hicks provided supervision and QC during construction activities to remediate the slope.

Winding Way Slip Repairs, City of Clarksburg, WV, Clarksburg, West Virginia

Role: Project Manager

CEC planed the subsurface investigation and designed a retaining wall at each of two locations along Winding Way. Jane coordinated the subsurface investigation and reviewed the design calculations for the project.

Forensic Investigation

Forensic Investigations, West Virginia Board of Risk and Insurance Management, Charleston Various WV Counties, WV

Ms. Hicks has performed forensic investigations for more than fifteen years for properties whose owners filed for assistance through the WVBRIM. The typical project includes historical research to determine the extent of deep mining beneath the property in question, a site visit to document damages, and a report documenting finding and providing recommendations.

Wind Power

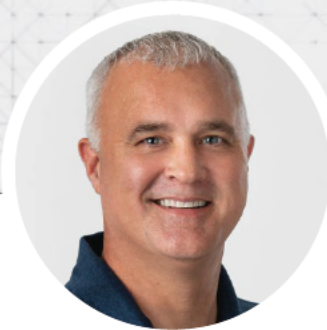
Mortenson Wind Power, Mortenson, Mount Storm Grant, WV*

Performed the geotechnical evaluations necessary to aid in the design of the proposed 2.0MW turbines on 256 foot towers to be supported by mat foundations. Supervised the field work for eighty-two turbine sites in Grant County near Mount Storm, WV. Supervision included thermal resistivity testing, soil resistivity testing, and excavation of test pits in areas of old surface mine spoil. Supervised laboratory testing services and compiled the design report which included earthwork and foundation recommendations.

** Work performed prior to joining CEC*

Jason H. Littler, P.S.

Senior Project Manager



25 YEARS OF EXPERIENCE

EDUCATION

A.S., Civil Engineering Technology, West Virginia Institute of Technology, 1995

B.S., Engineering Technology - (Survey Emphasis), West Virginia Institute of Technology, 1996

REGISTRATION

Professional Surveyor - WV

PROFESSIONAL AFFILIATIONS

West Virginia Society of Professional Surveyors

Ohio Oil & Gas Association

Mr. Littler has over 25 years of experience with proven leadership skills, including managing, supervising, and motivating staff to achieve company objectives. Responsibilities have included positions as Roadway Designer and Survey Project Manager. He has performed roadway design, site civil design, drainage computations, construction layout, earthwork volumes, topographical surveys, aerial mapping control surveys, boundary surveys, WVDOH right of way plan development, courthouse research, deed work maps, survey plats, survey descriptions, earthwork volume computations, hydrology computations, WVDOH waste permits, plan preparation, subdivision plats, cell tower surveys, oil and gas landowner ex bits, pipeline as-builts, pipeline alignment sheets, pipeline routing, fine grade computations, and survey field crew management and oversight. He has been in direct charge with as many as 12 survey crews, which all reported to him and were supervised by him for direction and client satisfaction. He has been in professional charge of several boundary surveys ranging in size from small lot and partition surveys to large multi-tract 1000 acre surveys. He has performed numerous ALTA/ASCM land title surveys all throughout West Virginia for various banks, title insurance companies and development companies.

PROJECT EXPERIENCE

Buckhannon Upshur Airport Authority, Buckhannon, WV*

Surveyor Project Manager in charge for the site surveying and topography for the design and construction of a new T-hanger.

Barnesville Airport, Barnesville, OH*

Lead surveyor on the site surveying and topography for the design of a new access road and taxiway / apron rehabilitation.

Marshall County Airport, Moundsville, WV*

Lead surveyor on the site surveying and topography for the rehabilitation of the airport apron. Performed boundary surveying and computations on portions of airport property lines for location of existing property monuments.

Woodsfield Airport, Woodsfield, OH*

Lead surveyor on the site surveying and topography for the rehabilitation of the apron and taxiway.

Buckhannon Upshur Airport Authority, Buckhannon, WV*

Lead Surveyor for the construction layout to repair slips on both sides of the runway. Project consisted of excavation of slide material on both sides of the runway, and then the replacement of engineered fill to finish grade.

Sun Mountain Resort, Mount Hope, WV*

This project consisted of the development of approximately 1,000 acres of land located on the west side of US Route 19, north of the exit to Mount Hope in Fayette County, WV. Preliminary plans for the Sun Mountain Resort included an amphitheater, hotel, Gary Player golf course, and a conference facility. Mr. Littler was responsible for all storm drainage and some of the civil design associated with the construction of the complex. The construction of this project was not completed.



Civil & Environmental Consultants, Inc.

Jason N. Littler, P.E. Senior Project Manager

Northeast Quad Development, Bridgeport, WV*

Mr. Littler was involved in performing all site design for the development of this proposed commercial site, such as producing a detailed set of plans showing all site grading and drainage structures and performing all runoff calculations and sediment pond sizing. He also submitted a National Pollution Discharge Elimination System (NPDES) permit for approval.

Fairskies Development, Buckhannon, WV*

Mr. Littler performed a complete site design to produce the most available land use for this development. He also calculated pre and post runoff curve numbers with discharges, designed all structures accordingly, and provided mapping and placement of a relocated gas line. He also completed and submitted an NPDES permit.

WVDOH-Red Jacket Postal Facility ALTA Survey, Mingo County, WV*

Performed an ALTA/ASCM land title survey for this project. Mr. Littler served as Survey Project Manager coordinating all survey crews and managing the daily field collection of data in accordance to ALTA survey procedures along with utility coordination, record research and computations.

Robinson Run Overland Conveyor Project, Harrison County, WV

Mr. Littler served as Survey Project Manager in charge of surveying on this 4.1 mile, overland conveyor belt line being constructed for Consol Energy. This project consisted of the survey layout, volume computations, and as-built mapping of the 4.1 mile overland conveyor along with over 4 miles of access roads and over 500,000 cubic yards of excavation. Mr. Littler was responsible for the crew scheduling, reviewing of all data, final cross section data, checking of all computations.

Robinson Run Preparation Plant, Harrison County, WV*

Mr. Littler served as Survey Project Manager in charge of surveying on this 2200 TPH coal preparation plant being constructed for Consol Energy. This plant was built to replace the existing plant which had served its time. This project was unique in that the new prep plant was positioned directly behind the existing plant and the existing conveyor feed line to the plant was to only be extended from the old plant into the new plant. The tolerances on alignment tie in was minimal and final tie-in between the old conveyor feed line and the new conveyor feed line was accomplished in a couple of days with no misalignment problems.

WVDEP Office of Abandoned Mine Lands and Reclamation Northern Mapping Services, northern counties of West Virginia*

Mr. Littler served as Survey Project Manager in charge of surveying and mapping on these individual Projects with the West Virginia Department of Environmental Protection, Division of Land Restoration, Office of Abandoned Mine Lands. This contract consisted of a 3 year assignment with the WVDEP and involved surveying and mapping services to be used for the design and construction of Abandoned mine lands projects located throughout the northern counties of West Virginia. Currently in the Northern contract, Mr. Littler has been in charge of the successful completion of the mapping for 40 individual projects with a total mapped acreage of 5,800 acres. Mr. Littler was responsible for the client maintenance, field visits, billing, invoicing and oversight for this three year assignment.

WVDEP Office of Abandoned Mine Lands and Reclamation Southern Mapping Services, southern counties of West Virginia*

Mr. Littler served as Survey Project Manager in charge of surveying and mapping on these individual Projects with the West Virginia Department of Environmental Protection, Division of Land Restoration, Office of Abandoned Mine Lands. This contract consisted of a 3 year assignment with the WVDEP and involved surveying and mapping services to be used for the design and construction of Abandoned mine lands projects located throughout the southern counties of West Virginia. Currently in the southern contract, Mr. Littler has been in charge of the successful completion of the mapping for 53 individual projects with a total mapped acreage of 5,000 acres. Mr. Littler was responsible for the client maintenance, field visits, billing, invoicing and oversight for this three year assignment.

Kow O. Eshun, P.E.

Principal



16 YEARS OF EXPERIENCE

EDUCATION

B.S., Civil Engineering, Kwame Nkrumah
University of Science and Technology, 2005

M.S., Geotechnical Engineering, The University
of Akron, 2013

Mr. Eshun has several years of diverse experience in Geotechnical engineering, Logistics, Transportation and Construction Quality Assurance. Mr. Eshun has worked on a wide range of subsurface investigations to provide recommendations for shallow foundations, intermediate foundations, deep foundations, retaining structures, slope stability analyses, ground improvement techniques, mine subsidence, and earthwork for both greenfield and brownfield projects. Experience also includes geohazard characterization for pipeline projects, landslide mitigation and landslide remediation.

Additionally, Mr. Eshun has managed a wide range of projects in the transportation, health, natural gas, manufacturing, telecom and utilities industries including roadway projects, well pads, compressor stations, building projects, substation construction and expansion.

PROJECT EXPERIENCE

Site Development

Charles Point Crossing, Genesis Partners, Limited Partnership, Bridgeport, West Virginia

Role: Geotechnical Design of Record

Kow was the geotechnical design manager and engineer of record for Charles Pointe Crossing which involved moving 3.5 million cubic yards of earth and rock to create 100+ acres of development sites along I-79. His responsibilities included planning, managing the geotechnical investigations and design for the project.

Bridgeport Indoor Sports & Recreation Complex, City of Bridgeport, Bridgeport, West Virginia

Role: Geotechnical Engineer on Record

This project involved the design for a 125 acre indoor/outdoor sports and recreation complex. Mr. Eshun was responsible for managing this project from geotechnical engineering and construction management/administration. His responsibilities included planning, managing the geotechnical investigations and design for the project.

Transportation/Aviation

Charleston Interstate Roadway Lighting Renovation, WVDOH, Charleston Kanawha, WV*

Overall project manager for the geotechnical exploration and design of foundations for the high mast lighting poles for the I-64 in Charleston. Kow managed a 4-week drilling schedule on a busy interstate road working night shift to minimize the interruption to traffic. Project involved the design of over 25 drilled caissons. Managed and coordinated the structural design of the caissons with our subcontractor (Michael Baker Jr., Inc.)

East Burke Bridge Replacement, WVDOH, Martinsburg Berkeley, WV*

Served as staff engineer for this project which consisted of the replacement of the existing bridge. He managed subsurface exploration, laboratory testing and was involved with the preparation of recommendations for the foundation of the bridge abutments

REGISTRATIONS

Professional Engineer

- TX
- KY
- MD
- WV
- PA
- VA
- OH

CERTIFICATIONS

Project Management Professional
(PMP), Project Management Institute

10-Hour OSHA Construction Safety
(Occupational Safety & Health
Administration), OSHA

Construction Quality Management for
Contractors, United States Army Corps
of Engineers



Civil & Environmental Consultants, Inc.

Kow O. Eshun, P.E.

Principal

Meathouse Fork Bridge, Thrasher Engineering, New Milton Doddridge County, WV*

Managed and coordinated the subsurface exploration, laboratory testing and geotechnical analyses. Prepared both preliminary and final recommendations concerning earthwork and the design and construction of foundations for the proposed bridge

Mingo County Regional Airport, Chapman Technical Group, Williamson Mingo, WV*

The project involved the construction of airport on a post mine land. Mr. Eshun coordinated and managed the soil improvement aspect of the site for the hangar and fuel farm. The improvement technique for the project was deep dynamic compaction. Managed field work and also the post improvement testing for the site.

Tabler Station Connector Roadway, WVDOH, Martinsburg Berkeley, WV*

Managed and coordinated the subsurface exploration, laboratory testing and geotechnical analyses for the proposed roadway. Prepared both preliminary and final recommendations for earthwork, construction, karst treatment and cut/fill slope stability and construction for the proposed roadway

Upshur County Regional Airport, Chapman Technical Group, Buckhannon Upshur, WV

Managed and coordinated the subsurface exploration, laboratory testing and geotechnical analyses. Prepared both preliminary and final recommendations for earthwork, pavement design for the rehabilitation of the apron and taxiway.

WVDOH Thomas Buford Pugh Bridge, Orders Construction Company, Prince Fayette, WV*

Project involved the replacement of the existing bridge with a new one. Managed the drilling and laboratory testing services for the preinstallation borings. Information from the borings was used to provide design recommendations for the caissons for the foundations

Real Estate

Reserve at Rosebud, Miller-Valentine Group, Clarksburg Harrison, WV

Managed Construction Quality Assurance (CQA) aspect of the project which consisted of construction of a residential block of flats. Services provided to contractor included testing of concrete, earthwork monitoring and testing, and general construction observations.

Taco Bell Site 310603, Huntington Cabell, WV*

Managed and coordinated the subsurface exploration, laboratory testing, geotechnical analyses and environmental screening. Prepared both preliminary and final recommendations for earthwork, ground improvement options and foundation design recommendations for the construction of the new Taco Bell

** Work performed prior to joining CEC*

PROFESSIONAL AFFILIATIONS

American Society of Civil Engineers

Project Management Institute

Deep Foundations Institute

PUBLICATIONS

Sett, K., Eshun, K. O., Chao, Y.-C., and Jeremi?, B., "Effect of Uncertain Spatial Variability of Soils on Nonlinear Seismic Site Response Analysis", Geotechnical Special Publication No. 225: State of the Art and Practice in Geotechnical Engineering (Proceedings of Geo-Congress 2012, Oakland, CA, March 25-29), Roman D. Hryciw, Adda Athanasopoulos-Zekkos, and Nazli Yesiller, Eds., pp.2856-2865, 2012

Alexandros Nikellis, Kow O Eshun, Mojtaba Dyanati, David A Roke, Qindan Huang, Akhilesh Chandra, Kallol Sett, "Effect of Site-Specific Soil Nonlinearities and Uncertainties on Ground Motion Intensity Measures and Structural Demand Parameters ", Georisk: Assessment and Management of Risk for Engineered Systems and Geohazards Volume 12, Issue 4, pp.279-296, 2018



c. SIMILAR PROJECTS

Our team's relevant experience includes a variety of projects including hangars, warehouses, and maintenance facilities. The following pages include our team's highlighted, relevant projects.

- Allegheny County Airport, West Mifflin, PA
 - Voyager Jet Center, New FBO/Hangar Construction and Site Design
 - Hangar No. 1 Replacement
 - Hangar No. 50 Construction
- CBP Laredo AMO Air Unit Site Master Planning & Design, Laredo, TX
- Confidential Client, Design of a New Hangar and Terminal Building, NY
- Corry-Lawrence Airport, Corry, PA
 - New Helipad and Hangar
- Bedford County Airport, Bedford, PA
 - Corporate Unit Hangar (Building F)
 - MMTF Airport Maint Hangar Development, Site Preparation (Aviation only)
 - New Corporate Hangar
- Brandywine Regional Airport, West Chester, PA
 - Hangar Infrastructure, Phase I - Design
- Chester County G. O. Carlson Airport, Coatesville, PA
 - Corporate Hangar Apron Ph I Design & Bidding
- Design-Build P-705 Aircraft Maintenance Hangar and Apron MCAS New River, Jacksonville, NC
- Fairmont Municipal Airport, Fairmont, WV
 - 16-Unit T Hangar
- Hazleton Regional Airport, Hazleton, PA
 - New Hangar
- Heritage Field Airport, Chalfont, PA
 - Limerick Aviation - Corporate Hangars, Apron, Taxiway and Access Road, PhI (Design)
- Johnstown-Cambria County Airport, Johnstown, PA
 - Hangar Improvements
- Lancaster Airport, Lititz, PA
 - Corporate Hangar With Offices
- Lockheed Martin, VH-71 Presidential Helicopter Integration Facility, Owego, NY
- Marshall University, New Flight School at Yeager Airport, Charleston, WV
- NAVFAC Mid-Atlantic, P-194 Unmanned Aircraft System Facilities Expansion, MCAS Cherry Point, NC
- New Garden Flying Field, Toughkenamon, PA
 - Hangars (Hangar procurement, Site preparation, Hangar Construction)
 - Hangar Erection
 - West Hangar Site Preparation
- Olympus Air of HZL, New Hangar, Hazleton, PA
- Reading Regional Airport
 - Site Improvements to Restore Hangar 501 Site
 - FAA Required 501 Site Hangar Assistance
 - Minimum Standards for Hangar Development (EOR 2014-05)
 - FAA Required Millennium Hangar Assistance - ALP Pen & Ink Update
 - MAAM Hangar Assistance
- Somerset County Airport, Hangars, Somerset, PA
- Spartan College of Aeronautics and Technology, Feasibility study and Master Plan for a New Aviation School, Tulsa, OK
- University Park Airport, State College, PA
 - Hangar Site Design & Permitting Services at University Park Airport, State College, PA
- USCG Elizabeth City, NC Hangar Lighting Upgrade
- Warrenton-Fauquier Airport, Midland, VA
 - Airport Engineering Services, 12kh (Hangar Site Dev, Ph I)
 - Northside Hangar Development, Phase I – EA & Preliminary Design
 - Acquire Private Hangar
 - Rehab ABC Hangar and Apron
- Washington County Airport
 - Rehabilitation of the existing Airport Business Center (ABC) Hangar, offices, and apron
- Williamsport Regional Airport, Montoursville, PA
 - Hangar Door Replacement
- Wilkes-Barre Scranton Airport, Avoca, PA
 - Hangar Development
 - PA State Police Hangar Site Design & Permitting Services
- Wings Field Preservation Associates
 - Final Design, Bidding and Construction Phases of a project for the construction of a 12,000 SF + Pre-Manufactured Metal Building (PEMB) Box Hangar, Blue Bell, PA

NAVFAC MID-ATLANTIC

P-194 UAV SYSTEMS FACILITIES EXPANSION

MCAS Cherry Point, NC



This project designed by TranSystems, constructed a maintenance hangar comprised of reinforced concrete foundation, reinforced exterior walls and standing seam metal roofing over metal deck. The hangar provides maintenance space, administration space, and additional supplementary space in support of the Unmanned Aircraft System (UAS).

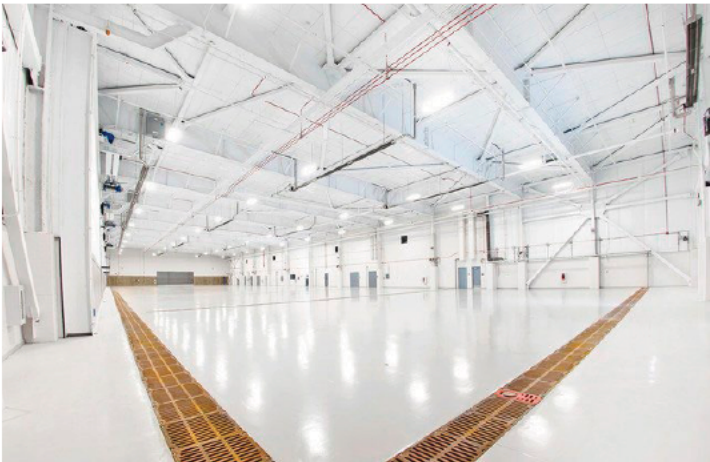
The appearance of the building complies with the Base Exterior Architecture Plan (BEAP). The project involved the construction of a general storage and warehouse complex comprised of reinforced concrete foundation, reinforced concrete masonry walls with brick veneer and standing seam metal roofing. The complex provides general storage, hazardous flammable storage and vehicle holding shed. General storage serves as daily operation staging area for UAS operations and maintenance personnel during training exercises. Hazardous flammable storage provides space to store oil, batteries, and other materials classified flammable. The vehicle holding shed provides a covered area for holding dead-lined equipment awaiting repairs.

The appearance of the buildings complies with the BEAP. The project converted existing VMU-2 maintenance hangar into automotive organizational shop. Conversion included installation of multiple roll-up doors, reinforced concrete masonry interior and exterior wall construction and standing seam metal roofs. The appearance of the building complies with the BEAP.

Information systems include basic telephone, enhanced computer network for both Secret IP Data (formerly known as SIPR Net) and Sensitive but Unclassified (SBU) IP Data (formerly known as NIPR Net), fiber optic, cable television, security and fire alarm systems and infrastructure. This project provides Anti-Terrorism/Force Protection (ATFP) features and complies with ATFP regulations, physical security and progressive collapse mitigation in accordance with DoD Minimum Anti-Terrorism Standards for Buildings. Built-in equipment includes Aqueous Film Forming Foam fire (AFFF) suppression system for the maintenance hangar, avian intrusion protection system, CATV, epoxy coated floor in hangar, warehouse shelving, hydraulic vehicle lift, lockers, roll up doors, vehicle exhaust system and fire booster pumps.

Sustainable design principles were included in the design and construction of the project in accordance with Executive Order 13423 and other laws and Executive Orders. Facilities meet Leadership in Energy and Environmental Design (LEED) ratings and comply with the Energy Policy Act of 2005 and Energy Independence and Security Act of 2007. Low Impact Development will be included in the design and construction of this project as appropriate. Special construction features include sound attenuation features and Sensitive Compartmented Information Facility (SCIF). Pavement facilities include a mechanical yard and transformer pad. Site preparation includes site clearing, excavation, grading, preparation for construction and removal of contaminated soil.

Special foundation features included pile foundations. Paving and site improvements included parking for approximately 80 vehicles, concrete pavement for motorcycle stalls, motor pool parking, wash racks, grease racks, roadways, pervious surfaces, curbs, sidewalks, landscaping with native drought resistant plants, signage, storm-water drainage, an underground water infiltration system and fencing. Electrical Utilities included electrical distribution, site light pollution reducing fixtures and design, transformers and telecommunications distribution including fiber optic cabling. Mechanical Utilities included water distribution, fire protection distribution, propane distribution, sanitary sewers with lift station, storm drainage, and oil/water separator. The project demolished Building #3975 to clear the site for this project. Facilities were designed to meet or exceed the useful service life specified in DoD Unified Facility Criteria. Facilities incorporated features that provide the lowest practical life cycle cost solutions satisfying the facility requirements with the goal of maximizing energy efficiency.



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• KEY FEATURES

• Military Aircraft Hangar and Storage Facility

• Sustainable Design Features

• Includes space for maintenance, administration, and additional supplementary space to support UAS

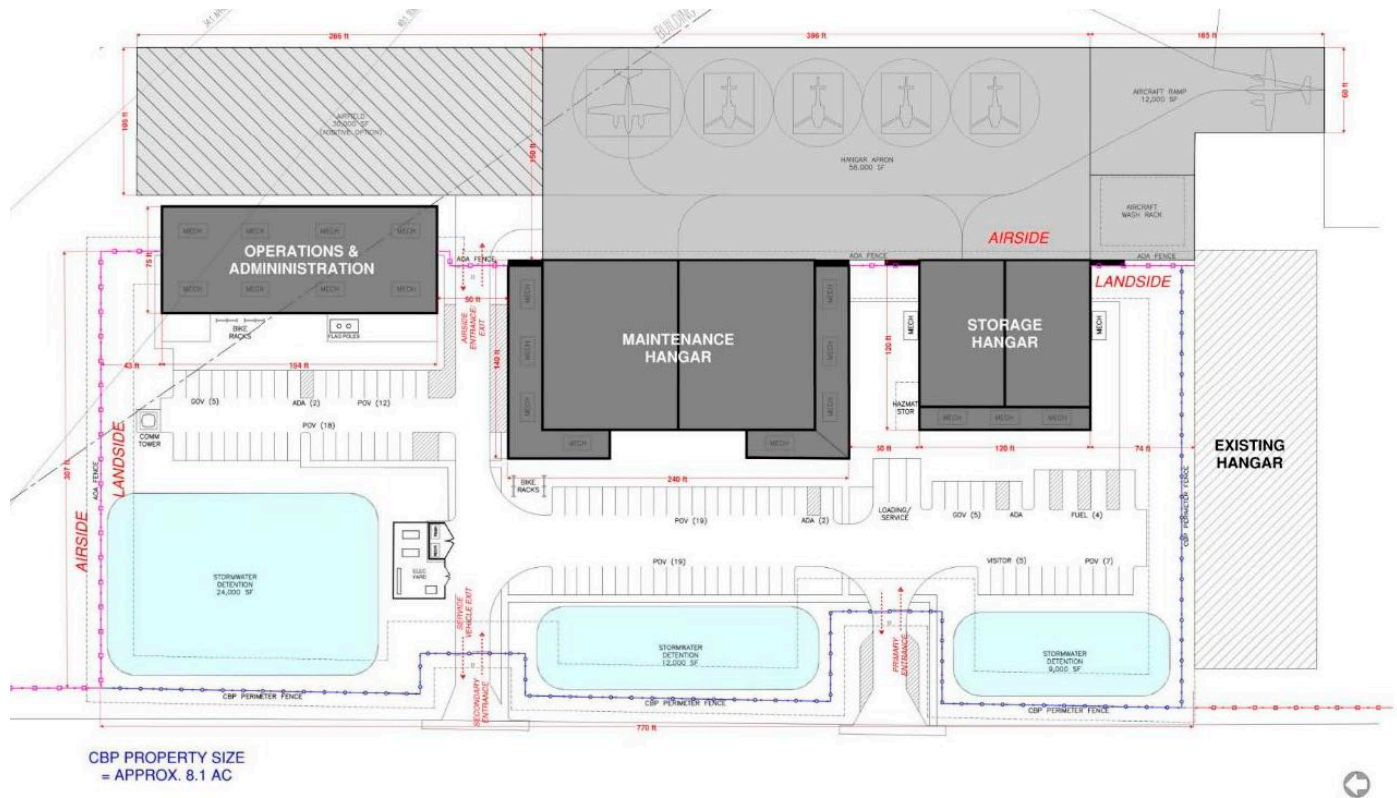
• ATFP Features

• PROJECT COMPLETION 2017

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Department of Homeland Security, Customs & Border Protection

CBP LAREDO AIR BRANCH AIR AND MARINE OPERATIONS, Laredo, TX



This project includes program verification, site master planning and preliminary design through 35% of a new Laredo Air Branch for U.S. Customs and Border Protection's Air and Marine Operations (AMO), at Laredo International Airport, Laredo, TX, as the first phase of a three-phase project to include construction documents, bid support and construction management services. Project construction budget includes \$17.3M for site and facility construction and an additional \$3.7M for furniture, fixtures and equipment (FF&E).

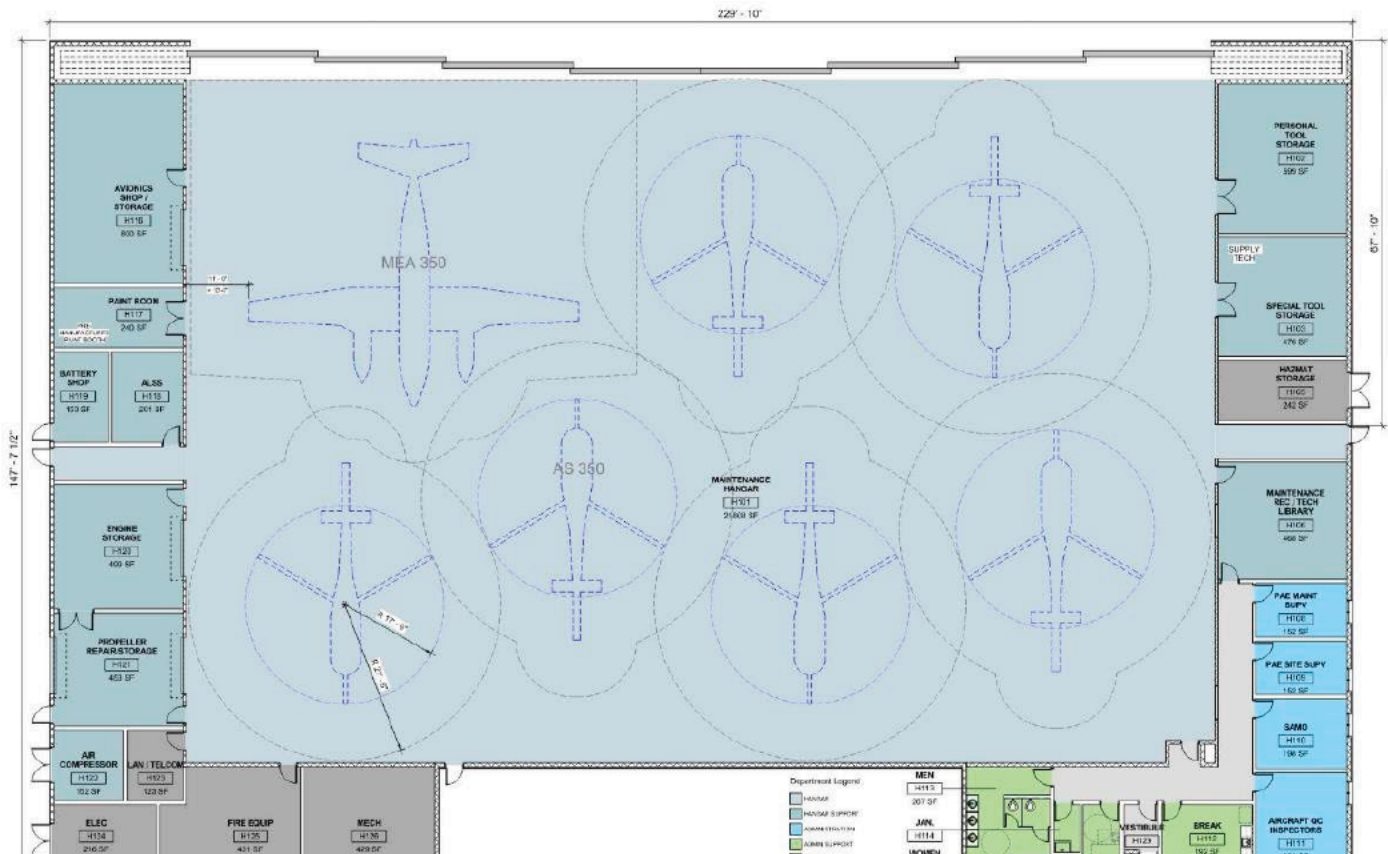
The proposed Laredo Air Branch includes a 14,236-SF administrative operations building, a 31,942-SF maintenance hangar facility, a 14,787-SF storage hangar facility, 68,200-SF of aircraft parking apron/ramp, an exterior aircraft wash/rinse rack, government, service and personal vehicle parking, and associated site improvements. The objective of the project is to alleviate overcrowding that exists at the current leased facility, providing adequate space to house existing personnel and allow room for enforcement flexibilities through the construction of new facilities, which will enhance compliance with security standards, regulation and mandates, and create a more secure environment for the agents at the Laredo International Airport.

TranSystems facilitated a two-day design charrette workshop with the project stakeholders to establish project delivery

approach, assess design criteria and operational requirements, identify applicable development restrictions, present architectural and engineering concept plans, evaluate multiple site and building options, and build consensus on a single site and building concept for further design development.

TranSystems delivered the following key benefits to the Air and Marine Operations:

- Efficient site layout to allow reduction of overall project area by 20% from initial program
- Accommodated option to expand airfield by 30,000 SF to accommodate additional aircraft staging
- Designed hangar siting to minimize length of aircraft ramp to existing airfield
- Proposed building design to comply with FAA height restrictions
- Provided daylighting and views to airfield for more than 90% of staff
- Adjusted program to accommodate user request for five additional offices at the Administration Building without increasing overall building floor area
- Reduced hangar footprint with efficient aircraft layout for a MEA350 fixed wing aircraft and six AS350 rotary wing aircraft at the Maintenance Hangar
- Adjusted program to accommodate a Ground Service Equipment Shop at the Storage Hangar



TranSystems, as Architect/Engineer Consultant for the DHS Customs and Border Protection, provided full design services including project management, architecture, interior design, topographical survey, geotechnical investigation, civil, structural, mechanical/plumbing, electrical, telecommunications, fire protection engineering, life safety design, and independent cost estimating services. Provided design is in compliance with the Guiding Principles for Sustainable Federal Buildings, and the BPAM New Constructions and Modernization Sustainability Scorecard (NCMSS) criteria.

KEY FEATURES

- Military Aircraft Storage & Maintenance Facility

PROJECT COMPLETION August, 2021 (Phase I)

TOTAL SQUARE FOOTAGE

- 71,079 sq. ft. new Aircraft Maintenance Building (Hangar/Warehouse)
- BLDG #1, 1,600 sq. ft. new Hazardous Storage,
- BLDG #2, 3,000 sq. ft. new Vehicle Holding,
- BLDG #3, and conversion of the 4,206 sq. ft. hangar bay in the existing Building #4845 to a Motor Vehicle Work Bay.

REFERENCE

Mr. Joel Otero, Program Manager, Representative of Border Patrol & Air and Marine Program Management Office (BPAM PMO)
 Phone: 317-506-4322
 E-Mail: joel.otero@cbp.dhs.gov

Lockheed Martin Corporation

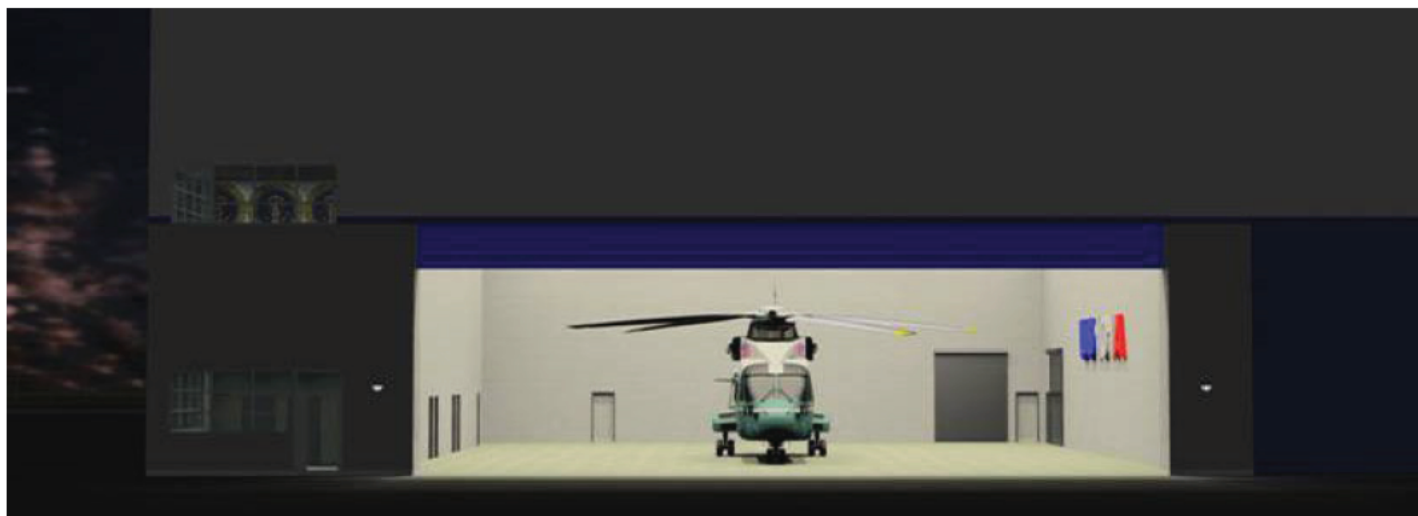
VH-71 PRESIDENTIAL HELICOPTER INTEGRATION FACILITY, Owego, NY

L.R. Kimball was hired to provide the design of the new VH-71 Program Facility in Owego, New York. Services provided by L.R. Kimball included program review, architectural, structural, mechanical, plumbing, electrical, and fire protection design. The building houses administrative offices, electronics laboratory space, and high-bay integration space and support areas. The administrative wing consists of a two-story, 61,000 square foot unit that contains offices and laboratory space for the production team. This portion of the building also houses employee and visitors' entrances, security operations, an auditorium, and locker and shower facilities. The high-bay production space contains 117,000 square feet of flight ready bays for incoming and outgoing testing and flight operations. Finish preparation, painting, and weather testing is conducted within two specially designed chambers with special exhaust and environmental requirements. The facility also houses an anechoic chamber for aircraft communications testing. This portion of the building also provides operational support spaces on the second floor.

L.R. Kimball's scope of work on this project included geotechnical services consisting of preparing a subsurface exploration plan, drilling oversight, laboratory testing, and report preparation. Borings were advanced through soft, saturated silts and glacial till to bedrock at depths of up to 100 feet.

The subsurface conditions required an in-depth seismic analysis, including cross-hole shear testing and evaluation of liquefaction potential. L.R. Kimball conducted a shear wave velocity survey at the proposed site of the VH-71 Program Facility. Shear wave data was collected using the cross-hole method in general accordance with ASTM D4428. The survey was completed using three test wells, constructed in a generally Northwest to Southeast line. L.R. Kimball collected the shear wave velocity data with a Geometrics, LTD Smartseis, 12 channel seismograph, and two triaxial geophones. A downhole shear wave source was used to create the shear waves at five-foot increments coming up the holes. Verticality of the test borings was measured using a borehole deviation probe. Results of the shear wave cross-hole survey were used to evaluate the seismic classification of the soil for foundation design and installation.

In 2009, the VH-71 System Development and Demonstration (SDD) program contract was terminated following the Department of Defense's (DoD) decision to cancel the existing presidential helicopter replacement program. The VH-71 was intended to replace both the VH-3D and VH-60N aircraft currently used to conduct presidential support missions.



KEY FEATURES

- Integrated, full-services
- Aviation & commercial office design
- Maintenance Bay
- Fast-tracked construction - early bid packages and procurement packages

PROJECT COMPLETION 2006

TOTAL SQUARE FOOTAGE 178,000 SF



Department of the Air Force, 911th Airlift Wing

A&E SERVICES FOR A 6-YEAR IDIQ CONTRACT

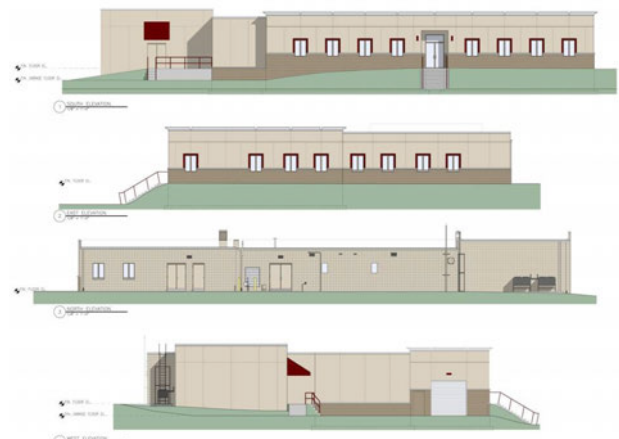
Pittsburgh, PA

L.R. Kimball provided architecture and engineering services under an Indefinite Delivery/Indefinite Quantity contract for the Department of the Air Force 911th Airlift Wing starting in 2007. Select projects under this IDIQ have included:

- **Construct Parking Lot, Aircraft Maintenance**
- **Repair Airfield Lighting, East & West Apron:** Design repairs to the airfield lighting for the east and west apron to provide lighting levels in compliance with UFC 3-530-01. Repairs may include replacing the existing fixtures, installing additional high level fixtures on the east side of the apron, or other solution as determined by the A-E. Light must illuminate the apron without shining into the pilot's eyes when taxiing on the apron. Any new installed equipment must not cause an airfield obstruction. Light posts on the west side of the apron will need to be relocated to allow for future expansion of the apron. Coordinate design with the Allegheny County Airport Authority.
- **Renovations and additions to an existing one-story, 6,000 square foot communications facility**
- **Repairs and replacement sections for portions of the existing concrete paving and stormwater piping at the POL area.** Our team also designed a new access road for the POL (Petroleum Oil Lubricants).
- **Design of a new addition at the dining facility** to provide handicap accessibility to the upper and lower level of the building
- **Repair / Maintain NDI Shop B 409:** Design services for interior renovations which included interior finish renovations, minor repairs to existing interior and exterior doors/frames, minor HVAC modifications and the additions of curbs and landscaping.
- **Maintain/Repair Base Supply Building, 312:** Design services for renovations to a concrete slab at a high-density storage area and to office areas and women's restrooms and replacement of exterior windows to meet ATPF requirements.
- **Design of a 1,840 SF addition to the Aircraft Generation Equipment (AGE) Shop.** Renovations included equipment storage space and a high bay space to accommodate a jack stand tester. Also provided an enclosed walkway passage to allow movement between adjacent buildings without going outside.
- **Construct Covered, Non-Heated MXS Storage Facility:** Design of a non-heated storage facility at the site of the previous fire pump station for Aircraft Maintenance. The structure is approximately 4,800 sf and has 4 large overhead doors and is intended to house aircraft maintenance equipment.
- **Repair/Renovations to Visiting Quarters Buildings 219:** Full interior and exterior renovation of a 2.5 story approx. 27,000 sf visitor's quarters. Converted the existing 28 units (2 are suites, 10 are private rooms with private baths and the remaining 16 private rooms utilize 4 central latrines) into 26 guest rooms, all with private baths including 2 suites.

“Great job grasping the concept and bringing it to final design. Definitely an award winner.”

Robert Clifford, General Engineer,
Department of the Air Force 911th Airlift Wing
Project: Dining Hall Building 213



- **Repair/Renovations to Visiting Quarters Buildings 219:** Full interior and exterior renovation of a 2.5 story approx. 27,000 sf visitor's quarters. Converted the existing 28 units (2 are suites, 10 are private rooms with private baths and the remaining 16 private rooms utilize 4 central latrines) into 26 guest rooms, all with private baths including 2 suites.
- **Repair/Renovations to Visiting Quarters Buildings 209:** Full interior and exterior renovation of a 2.5 story approx. 27,000 sf visitor's quarters. Converted the existing 28 units (2 are suites, 10 are private rooms with private baths and the remaining 16 private rooms utilize 4 central latrines) into 26 guest rooms, all with private baths including 2 suites.
- **Repair/Renovations to Flight Operations Building 419:** Design included painting all interior walls, removing and replacing suspended ceiling tile panels throughout the building. Replace all carpeting and vinyl cove base. Replace all flooring in hallways with ceramic tile. Add ceramic tile wainscoting to all hallways; adjust affected electrical outlets/switches and replace cover plates, completely renovate all restrooms including new partitions, fixtures, accessories, mirrors, ceramic tile flooring and wainscoting, drywall ceiling as needed, replace lighting, switches, outlets and cover plates. Replace 50 ton rooftop HVAC condenser and install dehumidifiers for basement. Install new interior signage. Design also included constructing a canopy enclosure at basement entrance/stairway ST2 to create windbreak to keep debris and rain from entering building. A Structural Interior Design (SID) package was included as part of the design.
- **Additional Projects include:**
 - Replace Roofs/Skylights, Building 125
 - Repair/Add to Security Forces Building 221
 - Repair/Replace HVAC System & Controls - Multiple Buildings
 - Repair Grill Exhaust Hood, Picnic Pavilion B5842
 - Conduct Wood Truss Study, Buildings 120 & 312



KEY FEATURES

- A&E services for airport / support building projects on an active Air Force Base
- Variety of projects involving repairs, upgrades, renovations, maintenance, new construction
- Design of specialized systems
- Multiple Tasks Orders over a 6 year contract, demonstrating client satisfaction
- Met budget and schedule goals

PROJECT COMPLETION DATES 2007-2013

Yeager Airport

VARIOUS PROJECTS

Charleston, WV

L.R. Kimball has been working at Yeager Airport for over 25 years on 55+ projects. Current and past projects at Yeager Airport include:

New US Customs Building

L.R. Kimball is providing architecture and engineering design services for a new 5,120 SF US Customs and Border Protection Building at Yeager Airport in Charleston, WV. This federal building will provide the necessary spaces and equipment required for the secure facility. The building will be connected to the Capital Jet Center by an enclosed walkway. Expanded public parking and a new drop-off canopy at the entrance to the Jet Center are also included in this project.

New Bill Noe Flight School for Marshall University

This project involved the design of a new 10,600 SF Classroom Building and 12,000 SF Hangar.

Additional projects include:

- FBO Garage and Line Shack
- Relocate Rental Car Facilities
- Airport Maintenance Facility
- Design of Runway 5-23 Drill
- Rehabilitate Runway 5-23 and Runway Safety Area Analysis, and Access Taxiways
- Terminal Building Renovations/Expansion
- Taxiway A Relocation Environmental Assessment
- Runway 5 Obstruction Removal and Runway
- Runway 5 Obstruction Removal EA & Pre Design
- Environmental Form A R/W Safe
- Environmental Form C Runway Safe
- Aircraft Forecasts and Noise Control
- Master Plan with GIS Component
- Rehabilitate Taxiway A & B at Main Apron; Extend Taxiway A to Runway 5 End; Obstruction Removal Runway 5 End-Design; Rehabilitate and Redesign Taxiway B, Phase 2 Design & Construction
- Taxiway C Realignment with Runway Closure, Design
- Relocate Taxiway C Realignment, Ph2, Construction
- Runway Threshold Light Bar Mod Re-Design
- Runway 5 Obstruction Removal, Phase 2 (Tree Clearing Construction Phase 2)
- Commercial & GA Apron Lighting Improvements
- Wildlife Study (WHA & WHMP)
- Engineer of Record (July 2012-June 2014) w/ Natural Gas Well Installation
- Ground Obstruction Removal, Phase 3 (Construction)
- Pavement Management Study
- EMAS Evaluation Study
- Develop CSPP for Loading Bridge Project at Yeager Airport
- Stormwater Drainage Outfall Study at Yeager Airport
- Landslide Short-Term Aide
- RPZ Plan
- Drainage Improvements, Phase 2
- Land Acquisition - Runway 5 Protection Zone
- DBE Plan Reporting for Yeager Airport FY16-18
- Acquire Land in the Runway 5 RPZ, Ph I (Environmental Assessment)
- Rental Car Facility and Fueling Terminal
- Jet Hangar Facility
- Oversight for Miscellaneous Projects (2018)
- Extend Eagle Mountain Road, Phase 1 (Design)
- Extend Eagle Mountain Road, Phase 2 (Construction)
- Relocate and Reconstruct Buildings, Phase 1 (Design)
- GA Area Master Plan Update (2019)
- Improve Airport Drainage (Slip and Erosion Repairs)
- Building Demolition (GA Hangars and Line Shack)
- DBE Program Development & Reporting FY 2019-2021
- 2020 Yeager Expand/Rehabilitate GA Terminal Parking Lots
- Garage Assessment
- Site & Parking Lot Development for Bill Noe Flight School
- Apron for Marshall University Flight School
- Repair Maintenance Slip, Program Management
- Environmental Services (2005)
- S&S Wetland Mitigation and Monitoring



REFERENCE

Nick Keller, Executive Director
304.344.8033

Federal Aviation Administration ARCHITECTURE AND ENGINEERING SERVICES FOR RENOVATIONS at the FAA William J. Hughes Technical Center at the Atlantic City International Airport, NJ

The Federal Aviation Administration (FAA) William J. Hughes Technical Center (WJHTC) is the nation's premier aviation research and development, testing, and evaluation facility. The WJHTC serves as the national scientific test base for the FAA. WJHTC programs include testing and evaluation in air traffic control, communications, navigation, airports, aircraft safety, and security. They also include long-range development of innovative aviation systems and concepts, development of new air traffic control equipment and software, and modification of existing systems and procedures. This work is accomplished and supported in numerous buildings of various age, size, function, style, and condition throughout the property.

L.R. Kimball is providing architectural as well as mechanical, electrical, and plumbing engineering design services to Maser Consulting P.A. in support of a five-year, Indefinite Delivery/Indefinite Quantity (IDIQ) contract with the Federal Aviation Administration (FAA) for facilities projects at the William J. Hughes Technical Center (WJHTC) at the Atlantic City International Airport.

Projects related to this contract include analysis for new and/or existing facilities; design (preliminary, final, and bidding documents) for new construction, renovations, alterations, restorations, change in use, additions, utility improvements and electrical/mechanical/fire protection system upgrades or reconfigurations.



KEY FEATURES

- Federal IDIQ Contract
- 9 Task Orders to date
- \$18 Million+ in Construction Costs
- Variety of project types: additions and renovations including complex MEP system upgrades

PROJECT COMPLETION

- Varies per Task Order
- 2014 - Current (work orders extending into 2021)

REFERENCE

David D. Smith, P.E.
Federal Aviation Administration (FAA)
William J. Hughes Technical Center
Project Engineering and Construction Section
Bldg 305, ANG-E342
Atlantic City International Airport, NJ 08405
Office: (609) 485-5966
Cell: (609) 471-1053

Olympus Air of HZL NEW HANGAR AT THE HAZLETON REGIONAL AIRPORT, Hazleton, PA



L.R. Kimball is providing architecture and engineering design services for a new corporate hangar at the Hazleton Regional Airport for Olympus Air of HZL.

The hangar will be approximately 100' x 160' in size and constructed as a high-bay pre-engineered metal building (PEMB).

With a 140' wide hydraulic swing door, the hangar is designed to house several types of aircraft for maximum flexibility, with the largest being a Gulfstream V Business Jet.

Attached to the main hangar building will be a 1,250 SF pilot lounge area complete with sleeping quarters. The lounge will include a kitchenette, dining area, seating area with TV and a unisex toilet facility. There is a total of two dormitory style sleeping rooms, each accommodating up to two people and having its own bathroom. This portion of the building will be constructed as a lean-to style PEMB, with the interior fit-out as an alternate bid opportunity

KEY FEATURES

- Integrated, full-service architecture and engineering design services
- New hangar with pilot lounge and sleeping quarters
- Designed with flexibility to accommodate several types of aircraft

ESTIMATED PROJECT COMPLETION 2022

TOTAL SQUARE FOOTAGE 18,088 SF

REFERENCE

Olympus Air of HZL
Dr. Thomas Kislán
570.533.6775
foreeyes@ptd.net

Allegheny County Airport Authority

VARIOUS PROJECTS AT THE PITTSBURGH INTERNATIONAL AIRPORT, Pittsburgh, PA

L.R. Kimball has **completed over 60 projects** at AGC and across the entire Pittsburgh International Airport.

Notable Projects Include:

- ARFF Building 'E' Rehabilitation
- 6-Unit T-Hangar Construction (Hangar I)
- Equipment Storage Building
- Cargo 3 Apron Expansion & Widening of Taxiway 'A'
- Voyager Jet Apron and Parking Lot / Taxiway 'E' Realignment
- De-Ice Pad 'S' (Construction Management Team)
- Rebuilt Entire Landside Roadway System Over 10+ Years
- Numerous Concrete & Asphalt Repair Projects - PIT & AGC

KEY FEATURES

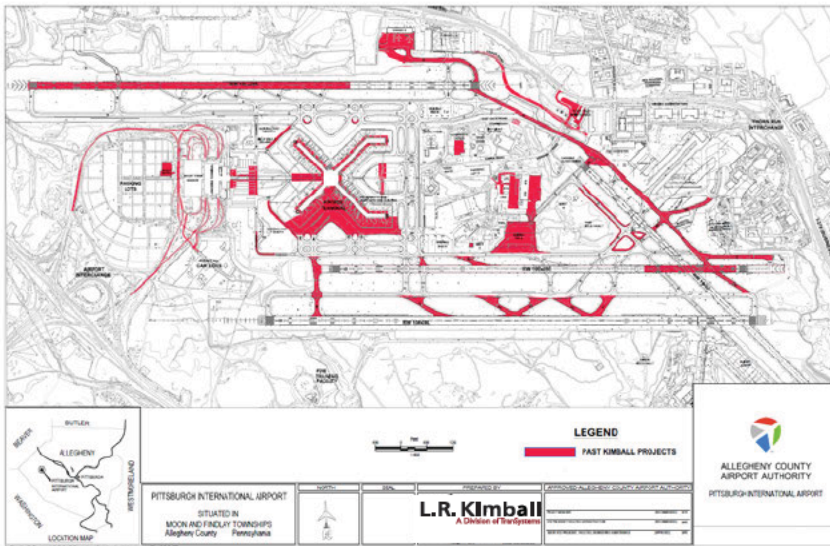
- Architecture and engineering design services for hangar related projects involving both new construction and renovations to existing buildings
- Additional aviation engineering services across the airport
- Long-term successful working relationship with ACAA

PROJECT COMPLETION Varies by Project

REFERENCE

Jeffrey Bezek, PE, Manager of Engineering
412.472.3852

ARFF Building 'E' Rehabilitation



Bedford County Airport

NEW HANGAR, Bedford, PA



L.R. Kimball has had the pleasure of working at the Bedford County Airport for the past 18+ years. Projects have included a master plan, land acquisition services, runway and taxiway improvements, lighting upgrades, obstruction removal, apron design, and three new hangars.

Our team was happy to work with the Bedford County Airport Authority once again, to provide architectural and engineering design services for this new 100' x 120' manufactured metal hangar building with an attached 3,000 SF administrative building. The administration portion has direct access to the hangar and will be fit-out for future tenants. It will include offices in an open work space environment, a flight planning room, men's and women's toilet facilities, a shop toilet with shower, passenger lounge, pilot lounge, and a kitchenette. This portion of the project was constructed in a conventional manner and developed as a one-story building.

L.R. Kimball has also developed grading plans for future phases of this development.

Clark Contractors was the General Contractor for this project.



KEY FEATURES

- Integrated, full-service architecture and engineering design
- Aviation & commercial office design
- New Hangar with planned offices and support space
- Designed with flexibility to add additional future hangars

PROJECT COST \$2.7 Million

PROJECT COMPLETION October, 2020

TOTAL SQUARE FOOTAGE

- 100' x 120' Hangar
- 3,000 SF Administrative Building

REFERENCE

Steve George, Airport Chairman, 814.623.0704

Confidential Client

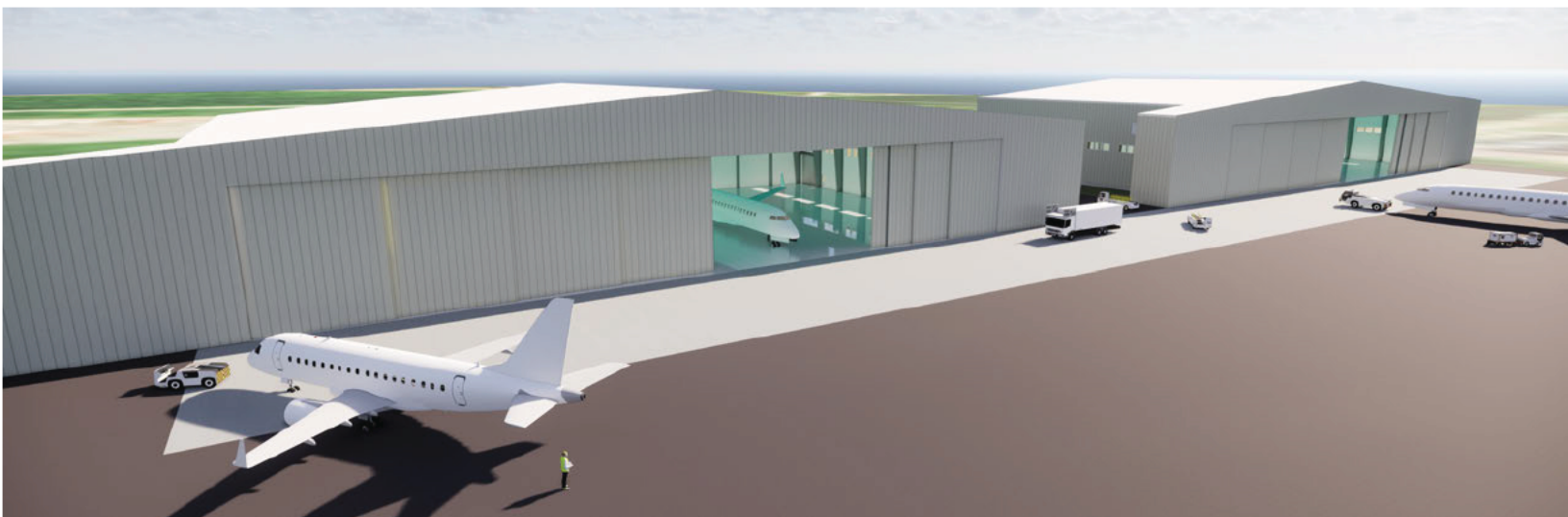
NEW CORPORATE HANGAR & TERMINAL, NY

L.R. Kimball designed a new \$24.8 million, 54,500 SF corporate storage and maintenance hangar and 6,100 SF terminal for a confidential client. The pre-engineered hangar is designed with a 231' x 35' high sliding door and includes foam suppression fire protection, fall protection, radiant heating and draft curtains.

The terminal building includes a large waiting area which can have a TSA area separated from general waiting if required.

It also includes an indoor luggage pick-up area, offices, conference room, a kitchenette and toilet rooms.

A large covered drop-off area marks the front entrance and the indoor lobby/waiting area looks out to the taxiway through floor-to-ceiling glass curtainwall.



KEY FEATURES

- Integrated, full-service design
- New hangar and terminal with offices and conference room

PROJECT COMPLETION TBD, this project is on hold.

TOTAL SQUARE FOOTAGE

- 54,500 SF (Corp Storage & Maintenance Hangar)
- 6,100 SF (Terminal)

Marshall University

NEW FLIGHT SCHOOL AT YEAGER AIRPORT

Charleston, WV



L.R. Kimball first provided options for a Master Plan to reflect the future aspirations of Marshall University for a School of Aviation program at Yeager Airport in Charleston, WV and Tri-State Airport in Huntington, WV. The University planned to split their program into two parts: an Aviation Maintenance Technology program focused on fixed wing and rotor maintenance at Tri-State Airport and a Flight School based at Yeager Airport. A student residence was also intended to provide housing at the South Charleston campus to support first-year students. This project involved the following:

Program – Site Analyses and Building Spaces:

Our work included confirmation of building locations and sizes for the Flight School at Yeager Airport and a potential Student Residence for 50 students to be adjacent to existing parking at the South Charleston campus. Concept plans included housing and food service requirements and limitations of the site grades, access, and vehicle circulations.

Conceptual Studies:

- Building survey of an existing building to be renovated at Tri-State Airport
- Diagrammatic layouts and proposed building plans
- Simple massing models showing approximate volumetric description of the new building(s)
- Rough order of magnitude cost estimates
- Schedules that outlined key milestones for design and construction

New Flight School Design:

L.R. Kimball designed a new Hangar and Classroom Building for Marshall University, in conjunction with Yeager Airport to house the Bill Noe Flight School as part of the new School of Aviation program which officially opened August 10, 2021. The 10,600 SF Classroom Building includes three classrooms, a large multi-purpose room, a flight simulation room, offices, a gaming room, two pilot planning areas and a large lounge space with collaborative seating and a fireplace, as well as other support spaces. The 12,000 SF Hangar has space to store up to seven planes which will serve Marshall University well into the future. An addition is planned for the Classroom Building for additional classroom space and a second hangar can be constructed on the site as well as additional parking to allow for the program to expand in the future.

KEY FEATURES

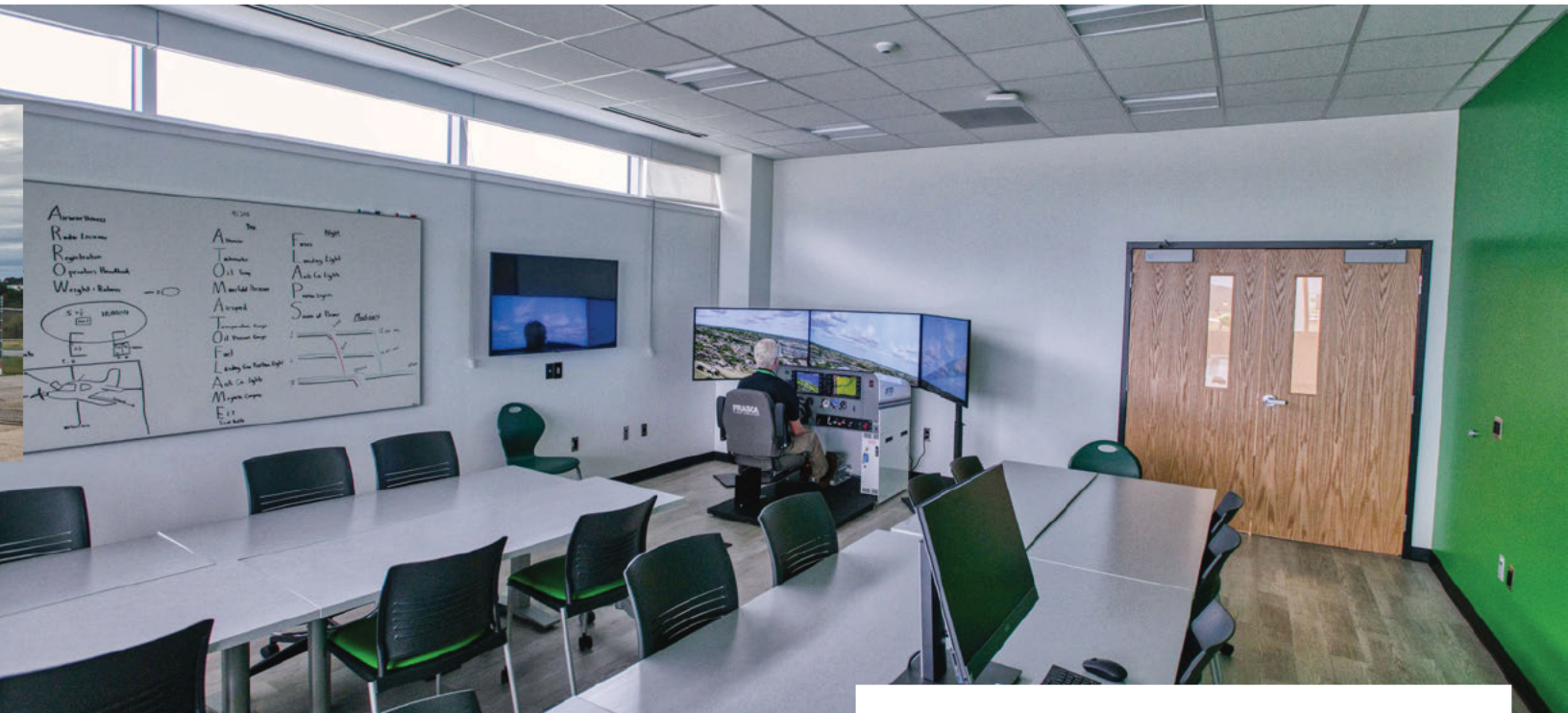
- New aviation program flight school to enhance the offerings of both Marshall University and Yeager Airport
- Variety of concepts and options explored
- Participation of a diverse group of stakeholders
- Complex project completed on time and below bid price
- Full architecture & engineering design services provided: architecture, mechanical and electrical engineering, plumbing design, structural engineering, civil engineering, aviation planning and engineering

PROJECT COMPLETION August, 2021

TOTAL SQUARE FOOTAGE 22,600 SF Total:
10,600 SF Classroom Building and 12,000 SF Hangar

CONSTRUCTION COST \$6.6 Million

Marshall University Aviation Program & Flight School (Continued)



"We certainly faced challenges as every project does, especially considering elements impacted by the pandemic. The L.R. Kimball Team responded quickly and comprehensively to any issue that occurred, and as a result of good project management and highly experienced professionals, our project was completed on time and on budget."

"It's been a pleasure working with L.R. Kimball and we highly recommend them for architectural and engineering design services."

- Dr. Jerome A. Gilbert
Marshall University President



Benedum Airport Authority

NEW TERMINAL FACILITY AT NORTH CENTRAL WEST VIRGINIA AIRPORT, Bridgeport, WV

L.R. Kimball, in association with national terminal facility expert PSH+, as well as local civil engineering firm CEC, Inc., is providing architecture and engineering design services for a new, \$34 million terminal facility at the North Central West Virginia Airport.

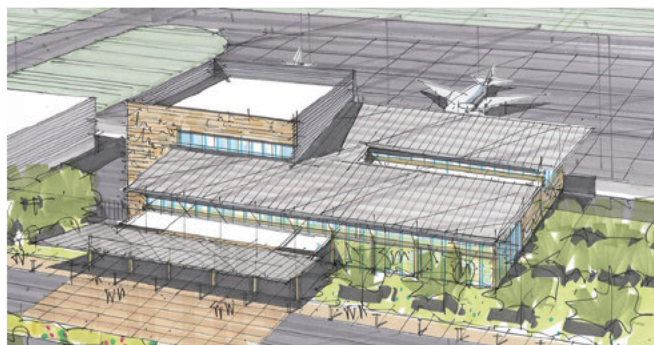
Question and answer work sessions took place with various stakeholders to gather information regarding each entity's needs. These meetings resulted in important concepts allowing our team to design and lay out the new terminal building, the associated aircraft access and parking, and the site access and parking. The design team presented several concept options for the new terminal building to the Airport Authority.

The Airport Authority decided on a new 45,000 SF terminal building with 2 gates expandable later to 5 gates, a waiting room that can accommodate 300 passengers at one time, and 8 ticket counters with expansion capability. Airport Administration will be located on the third floor with office space and meeting rooms and a great view of the airfield. An adjacent 6,000 SF equipment storage building will be included as well.

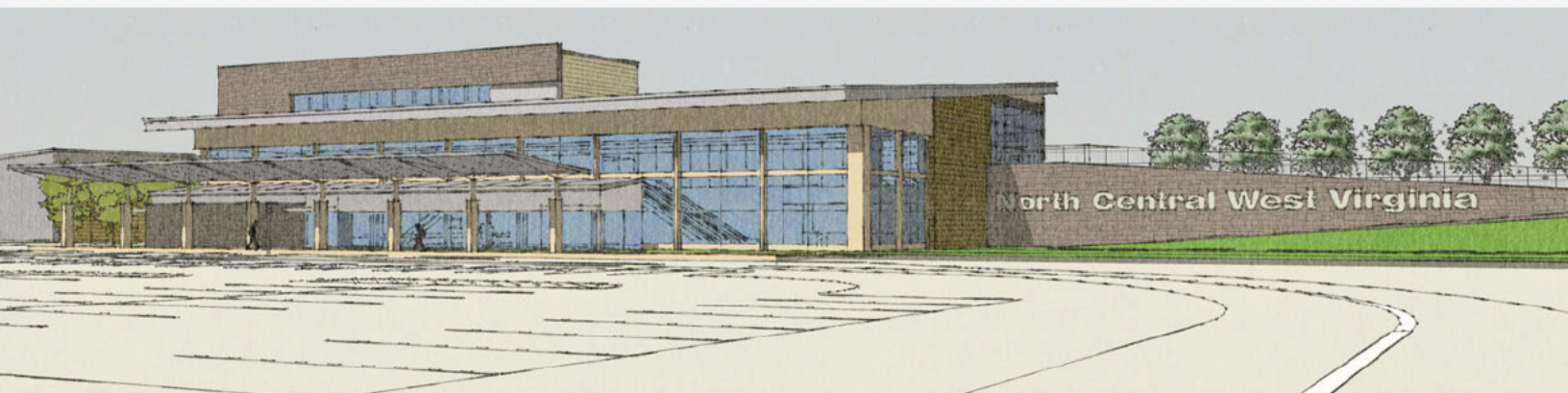
This project will include a new parallel taxiway to provide access from the Runway to the new terminal, and a new aircraft apron to accommodate up to 4 aircraft at one time. The access road will be designed for traffic to the Airport's new Aerotech Park, being constructed at the same time as the new Terminal Building.

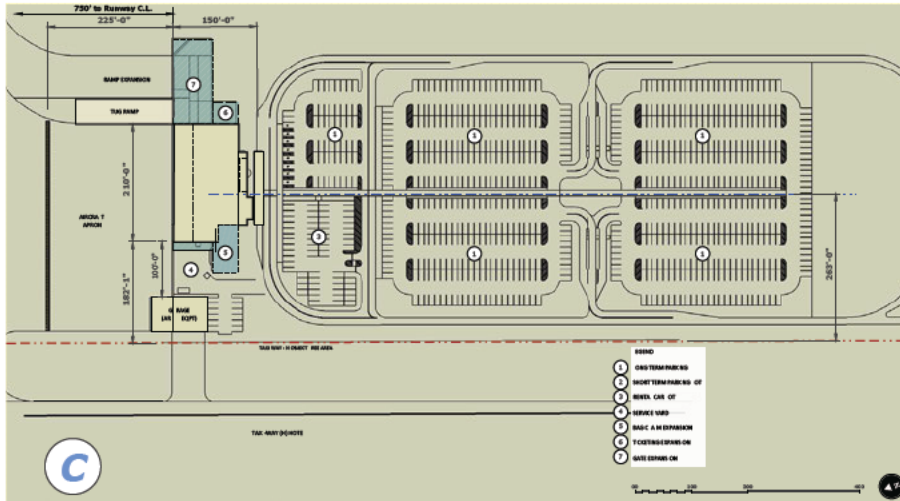
The proposed state of the art terminal project is estimated to be completed by 2023 and will position North Central Airport as a hub for business, leisure and destination travel.

This terminal project is a culmination of the hard work and dedication of the Benedum Airport Authority, Marion County Commission, Harrison County Commission, Harrison County Economic Development Corp., Harrison County Chamber of Commerce, many elected officials and forward-thinking citizens of the region. This project will be transformational to the footprint of North Central WV and will have a positive impact on the economy for years to come. The expansion will serve public and private business interests and will encourage additional enplanements resulting in increased tax revenue and the creation of jobs.



"We are excited to work with L.R. Kimball and PSH+ to design our new terminal which will serve North Central WV for years to come."
said Richard B. Rock, Airport Director.





KEY FEATURES

- Full-service architecture & engineering building design
- Aviation engineering design for taxiway and apron
- Full build out of 750 parking spaces
- Multi-level facility to condense the footprint
- Designed with future expansion in mind and will offer access from I-79 via WV Route 279

PROJECT COMPLETION

Est. 2023

TOTAL SQUARE FOOTAGE

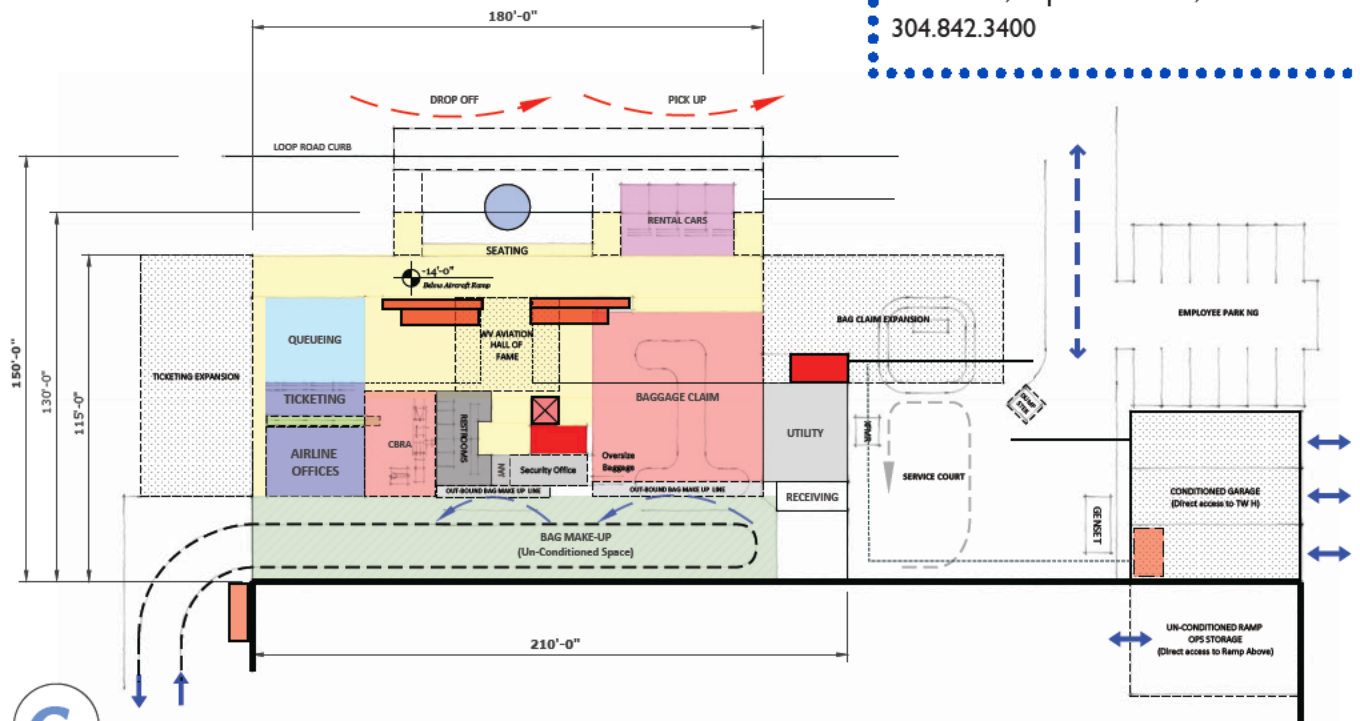
45,000 SF

CONSTRUCTION COST

\$34 Million (Building - \$17 Million; Sitework - \$17 Million)

REFERENCE

Rick Rock, Airport Director,
304.842.3400



C₁

OPTION C - LOWER LEVEL



NORTH CENTRAL WEST VIRGINIA AIRPORT (CKB)
REPLACEMENT TERMINAL CONCEPTUAL DESIGN STUDY
Option C1 - Lower Level
September 2020



0 30' 60'



L.R. Kimball
A Division of TransSystems

Lancaster County Airport

NEW HANGAR WITH OFFICE SPACE, Litiz, PA



L.R. Kimball is providing architectural and engineering design services for a 12,000 SF Corporate Hangar with an attached 3,000 SF Office Space at the Lancaster Airport.

During the design process, L.R. Kimball evaluated three proposed sites on and adjacent to the existing South Apron.

KEY FEATURES

- Integrated, full-service architecture and engineering design
- Aviation & commercial office design
- New Hangar with planned offices and support space

PROJECT COST \$4.4 Million Total
(Building - \$3.1 Million; Sitework - \$1.3 Million)

PROJECT COMPLETION Est. 2022

TOTAL SQUARE FOOTAGE 15,000 SF Total

- Hangar - 12,000 SF
- Office - 3,000 SF

REFERENCE

Ed Foster, Airport Director
Phone: 717.569.1221

Spartan College of Aeronautics and Technology

FEASIBILITY STUDY / MASTER PLAN FOR A NEW AVIATION SCHOOL, Tulsa, OK

Spartan College of Aeronautics and Technology has been providing top-notch aviation training in Tulsa, Oklahoma since 1928. From the very beginning, Spartan provided current and innovative training programs to keep graduates relevant. The Tulsa Campus consists of both Technology Program and Flight Program facilities, offered at both the main campus and the North Campus.

L.R. Kimball is providing Spartan College with a Master Plan to organize educational operations at its main campus, adjacent to the Tulsa International Airport.

L.R. Kimball immediately embarked on a facilities assessment and programming phase, and is currently developing optional site layouts for discussion with the college. These layouts include a new hangar which will include technology-rich space for technical training in areas such as aviation maintenance and non-destructive testing, grouping technical equipment, labs, test cells and a portion of Boeing 727 airplane in a new state-of-the-art facility.

KEY FEATURES

- Master Plan
- New hangar with training for aviation maintenance, testing, etc.

PROJECT COMPLETION TBD





Civil & Environmental Consultants, Inc.

PITTSBURGH–BUTLER REGIONAL AIRPORT PAVEMENT REMEDiation

OWNER/CLIENT

Butler County Airport Authority

LOCATION

Butler, Pennsylvania

CEC SERVICES

Erosion & Sedimentation Control/NPDES
Permitting

Geotechnical Engineering

Pavement Evaluation and Rehabilitation

Site Infrastructure Maintenance/
Rehabilitation

Topographic Surveys

OWNER OBJECTIVE

The Butler County Airport Authority (BCAA) was seeking an evaluation and remediation of the existing pavement including a redesign of the tie-down pier layout for a deteriorating aircraft parking apron at the Pittsburgh–Butler Regional Airport. The apron is connected to the main taxiway that parallels the runway. Due to ever-changing FAA regulations, the design was an iterative process to account for recent changes to the Advisory Circulars that direct the layout and pavement design.

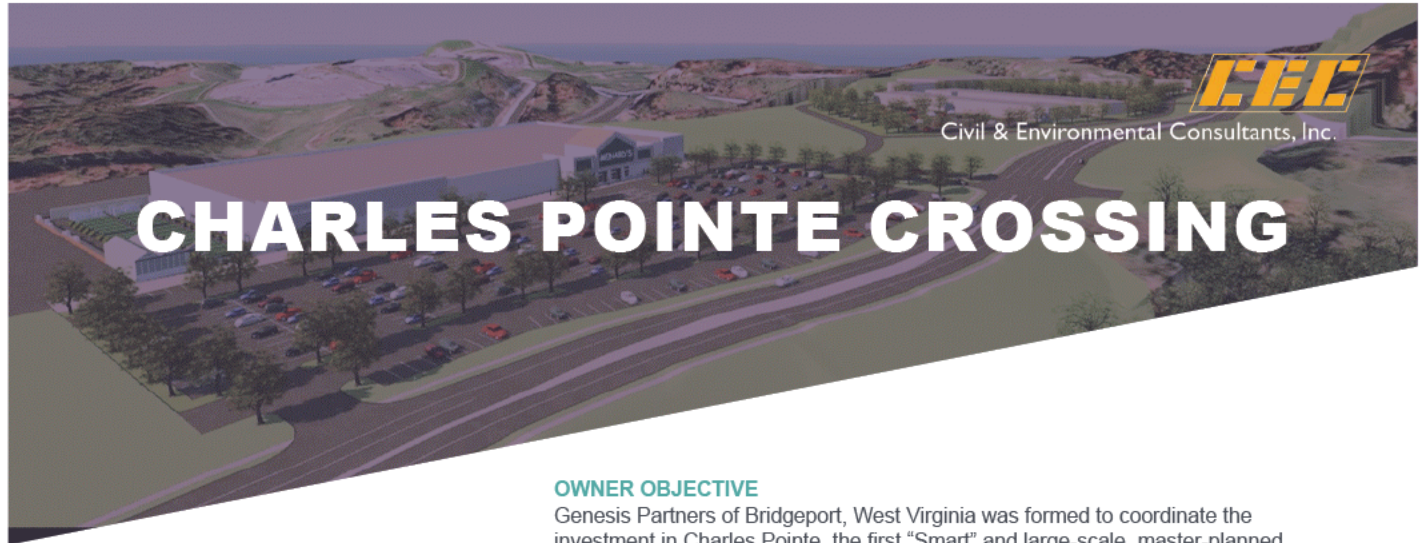
The BCAA is also planning a runway expansion that will accommodate larger aircraft, which was also accounted for in the design.

CEC APPROACH

CEC teamed with Mid-Atlantic Environmental Consultants to perform the environmental surveys (asbestos and hazardous material surveys). CEC also prepared the demolition specification and the bid documents to manage the bidding process (pre-bid meeting, response to comments, etc.), and assisted the ACIDC with assessing the bids.

The outcome is the buildings were abated, demolished, and the sites were graded and are pad-ready for future development.





CHARLES POINTE CROSSING

OWNER/CLIENT

Genesis Partners, Limited Partnership

LOCATION

Bridgeport, WV

CEC SERVICES

NEPA Documentation Assistance

Survey

Site Development

Erosion & Sedimentation Control/NPDES Permitting

Geotechnical Engineering

Landscape Architecture/Land Planning

Site Grading/Earthwork Analysis

Slope Stability/Retaining Structure Design

Stormwater Management/BMP Design

Traffic Engineering

Transportation Engineering

Utility Design

Clean Water Act, Section 401/404 Permitting

Ecosystem Restoration

Threatened & Endangered Species Surveys/Wildlife Surveys

Wetland & Stream Mitigation Design

Wetlands and Waters Delineations

NPDES Permitting Support

Stormwater BMP Design and Inspections

Highway R/W Surveys

Horizontal and Vertical Control Surveys

Architectural History Investigations

Construction Management

Design/Build Services

Unmanned Aerial Services

OWNER OBJECTIVE

Genesis Partners of Bridgeport, West Virginia was formed to coordinate the investment in Charles Pointe, the first "Smart" and large-scale, master-planned community in West Virginia. Charles Pointe Crossing, located at the southeast quadrant of the I-79 and Route 279 Interchange, exit 124, is immediately accessible from Route 279.

The project consists of the initial site development of approximately 104 total acres to yield approximately 67 pad-ready acres that will support an estimated 650,000 square feet of sales tax generating uses, an estimated \$80 million of new construction, an estimated annual excise sales tax of \$9.75 million, and an estimated annual property tax of \$1.5 to \$2 million.

CEC APPROACH

CEC was hired to provide the civil/site engineering, geotechnical engineering, surveying, and construction management for the Charles Pointe Crossing commercial development project. CEC also performed stream and wetland delineations and ecosystem restoration work as a precursor to the Charles Pointe Crossing project.

This project required significant coordination by CEC between the developer, utility providers, the Federal Aviation Administration, the West Virginia Department of Highways, and other state and local entities.

To date, the commitment of a 220,000 square foot anchor tenant has been secured and the remaining 430,000 square feet is being actively marketed. The construction of this project commenced in late 2018 and is scheduled to be completed in 2021.

CEC was initially retained for the following services:

- Preparation of an ALTA/NSPS survey
- Delineation of jurisdictional wetlands and waters
- Threatened and endangered species surveys
- Site planning studies
- Preliminary civil engineering services
- Preliminary geotechnical engineering

CEC's final design and land development approval services included:

- Civil engineering design and preparation of construction documents
- Site design for an overhead electric transmission power line relocation
- NPDES stormwater permitting
- Sanitary sewer trunk line, force main, and pump station coordination
- Technical assistance, surveying, and geotechnical engineering for offside roadway improvements
- Landscape architecture
- Site plan and zoning approval
- Design of nearly 8,400 LF of ADA compliant sidewalks and ramps
- Construction monitoring and quality control testing
- Design-build construction of mitigation wetlands and about 1,000 linear feet of stream restoration



Civil & Environmental Consultants, Inc.

BRIDGEPORT INDOOR SPORTS & RECREATIONS COMPLEX

OWNER/CLIENT

City of Bridgeport
Omni Associates-Architects

LOCATION

Bridgeport, WV

CEC SERVICES

ADA Accessibility Analysis
Erosion & Sedimentation Control/NPDES Permitting
Geotechnical Engineering
Integrated Project Delivery
Landscape Architecture/Land Planning
Predevelopment Site Investigations
Site Grading/Earthwork Analysis
Site Infrastructure Maintenance/Rehabilitation
Stormwater Management/BMP Design
Utility Design
ALTA NSPS Land Title Surveys

OWNER OBJECTIVE

The City of Bridgeport was looking to create an ADA-compliant sports event destination that would drive business to the area's hotels and restaurants as a way to create additional hotel/motel tax and prompt additional economic growth.

The City is utilizing a dedicated 1% sales tax to pay for the design, construction, and ongoing maintenance of the facility. The sports event destination will consist of five outdoor sports fields, an indoor recreation center, an amphitheater, associated parking, and access roads.

CEC APPROACH

The proposed project site is located adjacent to the existing Bridgeport Recreation Center and is situated within a very hilly setting. To create a workable site would require 350,000 cubic yards of earth to be moved. By moving the earth, approximately 60 new acres of ADA compliant land will be created.

To make the entire site appear as though it was planned together, CEC utilized a 300-foot pedestrian bridge to link the two complexes together in order to create one large, cohesive facility.

CEC also created a multi-mile ADA-compliant trail network, avoided stream and forest impacts, and created a site friendly for pedestrian and vehicular flow for day-to-day operations and large events.



Relevant Experience

Niagara Falls AFB – 914th Airlift Wing – Renovate Hangar B850 to Consolidate MXS

Location: Niagara Falls, NY

Client: Trautman Associates
David Guarino
716-883-4400 | dguarino@trautmanassoc.com

Scope: This project consisted of the renovation and selective interior demolition to provide adequate facilities to modify the Hangar within Building 850 to accommodate the change to the new KC-135 missions.

Estimated: 2019

Cost Estimate: \$3.7M

Niagara Falls AFB – Repair Aircraft Fire Training Facility

Location: Niagara Falls, NY

Client: Trautman Associates
Robert Ruml
716-883-4400 | rruml@trautmanassoc.com

Scope: This \$2.6M project consisted of the renovation to the Aircraft Fire Training Facility at Niagara Falls AFB. It involved the demolition and reconstruction of an existing training cargo plane, as well as complex MEP systems that simulate a malfunctioning jet engine.

Estimated: 20201

Cost Estimate: \$2.2M



d. REFERENCES

Border Patrol & Air and Marine

Mr. Joel Otero, Program Manager, Representative of Border Patrol & Air and Marine Program Management Office (BPAM PMO)

Phone: 317.506.4322

E-Mail: joel.otero@cbp.dhs.gov

FAA

David D. Smith, P.E.

Federal Aviation Administration (FAA)

William J. Hughes Technical Center

Project Engineering and Construction Section

Office: 609.485.5966

Cell: 609.47.1053

Marshall University

Dr. Jerome A. Gilbert, President

Phone: 304.696.2300

- New Flight School

Yeager Airport

Nick Keller, Executive Director

Phone: 304.344.8033

- Various Projects

Olympus Air of HZL

Dr. Thomas Kislak

Phone: 570.533.6775

North Central WV Regional Airport

Rick Rock, Airport Director, 304.842.3400

- New Terminal Facility

Washington County Airport

Robert Griffin, Airport Director 724.228.6875

- Rehabilitate Airport Business Center (ABC) Hangar, Offices and Apron, architecture and engineering design services

New Garden Flying Field

Jonathan Martin, Airport Manager 610.268.2915

- Construct Hangars (Hangar procurement, Site preparation, Hangar Construction)
- Hangar Erection
- Hangar Site Preparation
- West Hangar Development, Site Prep and Hangar

Bedford County Airport

Steve George, Chairman 814.623.0704

- Construct Corporate Unit Hangar (Building F)
- Multi-Modal Transportation Fund (MMTF) Airport Maintenance
- Hangar Development, Site Preparation (Aviation only)
- A/E Services for Proposed Hangar
- Various Additional Projects

Lancaster Airport Hangar

Ed Foster, Airport Director

Phone: 717.569.1221

Fairmont Municipal Airport

Thomas Mainella, President 304.282.5289

- 16 Unit Hangar (Design, Bidding & Construction)

John Murtha Johnstown-Cambria County Airport

Cory Cree, Airport Manager, 814.536.0002

- 2008 Acquire, Construct, and Renovate Hangars
- 2016 Construct (Improve) Hangars
- Various additional projects

Nulton Aviation

Larry Nulton, VP of Operations 814.361.3500

- Upgrade and Enhancement of FBO Hangar Building at Johnstown-Cambria County Airport

Miller Brothers Construction

Edward Davis, Sr, 570.385.1662

- Hangar Site Design & Permitting Services at University Park Airport
- PA State Police Hangar Site Design & Permitting Services at Wilkes-Barre Scranton Intl Airport

Wilkes-Barre Scranton International Airport

Steven Mykulyn, Director of Engineering 570.602.2003

- PA State Police Hangar Site Design & Permitting Services
- A/E Services for Hangar Development

“L.R. Kimball has been providing Engineering and Construction Services to the Fairmont Municipal Airport for over 10 years.... Some unexpected issues arose during construction and your team was able to come up with a cost-effective solution to keep the projects under budget and within the construction timeframe desired. As always, we look forward to working with you on our future projects.”

Tom Mainella, President
Fairmont - Marion County Regional Airport Authority, Fairmont, West Virginia

e. COPIES OF STAFF CERTIFICATIONS

Name:	DAVID A. RISPOLI
WV Professional Engineer:	PE License Number: [REDACTED]
	PE License Status: Active
	PE Issue Date: 12/15/1997
	PE Expiration Date: 12/31/2022

Name:	RYAN BRETT MEITZLER
WV Professional Engineer:	PE License Number: [REDACTED]
	PE License Status: Active
	PE Issue Date: 10/10/2017
	PE Expiration Date: 12/31/2022

Name:	BRAD STEVEN BLICKENDERFER
WV Professional Engineer:	PE License Number: [REDACTED]
	PE License Status: Active
	PE Issue Date: 10/29/2012
	PE Expiration Date: 12/31/2022

Name:	CHRISTOPHER M. BOWERS
WV Professional Engineer:	PE License Number: [REDACTED]
	PE License Status: Active
	PE Issue Date: 12/28/2006
	PE Expiration Date: 12/31/2022

Search: Details

Name:	MELISSA DEFIBAUGH
WV Professional Engineer:	PE License Number: [REDACTED]
	PE License Status: Active
	PE Issue Date: 05/20/2014
	PE Expiration Date: 12/31/2022

Search: Details

Name:	RICHARD L. HOLES
WV Professional Engineer:	PE License Number: [REDACTED]
	PE License Status: Active
	PE Issue Date: 09/12/1997
	PE Expiration Date: 12/31/2022



ALL A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

Name	Credential ID	Expiration Status	Expiration date	Renewal Date
GLARROW DIANE	4454	Not Expired	2022-06-30	2021-06-29

Search: Details

Name:	GREGORY L. SCHROCK
WV Professional Engineer:	PE License Number: [REDACTED]
	PE License Status: Active
	PE Issue Date: 12/05/2006
	PE Expiration Date: 12/31/2022

2022 WEST VIRGINIA PROFESSIONAL SURVEYOR 2022

The West Virginia Board of Professional Surveyors certifies that the individual listed below is a PROFESSIONAL SURVEYOR who has qualified for a license under Chapter 30, Article 13A, Code of West Virginia, and has met the requirements for license renewal for the period ending June 30, 2022



JASON H. LITTLER
P.S. [REDACTED]



Jason H. Littler, P.S.
Sethon Stewart, P.S., Chairman
Tom Rayburn, P.S., Secretary
Gary Facemyer, P.E., P.S.
Lantz Rankin, P.S.
Douglas McElwain, Esq.

Issued
07/01/2021



Expires
06/30/2022

Amber Shawyer Legg

2022

State of West Virginia
Board of Professional Surveyors



Expires:
06/30/2022

JASON H. LITTLER
P.S.LIC. # 2139

Is a PROFESSIONAL SURVEYOR who has qualified for a license under Chapter 30, Article 13A, Code of West Virginia and has met the requirements for license renewal for the period ending June 30, 2022

State of West Virginia
Board of Professional Surveyors
1124 Smith Street, Suite B127C
Charleston, WV 25301

Phone (304) 558-0350
Fax (304) 558-0352
Website: www.wvbps.wv.gov
Email: wvbps@wv.gov

2022 WEST VIRGINIA PROFESSIONAL SURVEYOR 2022

The West Virginia Board of Professional Surveyors certifies that the individual listed below is a PROFESSIONAL SURVEYOR who has qualified for a license under Chapter 30, Article 13A, Code of West Virginia, and has met the requirements for license renewal for the period ending June 30, 2022



DENNIS E. MILLER
P.S. [REDACTED]



Board Members

Sethon Stewart, P.S., Chairman
Tom Rayburn, P.S., Secretary
Gary Facemyer, P.E., P.S.
Lantz Rankin, P.S.
Douglas McElwain, Esq.

Issued
07/01/2021



Expires
06/30/2022

Executive Director
Amber Shawyer Legg

2022

State of West Virginia
Board of Professional Surveyors



Expires:
06/30/2022

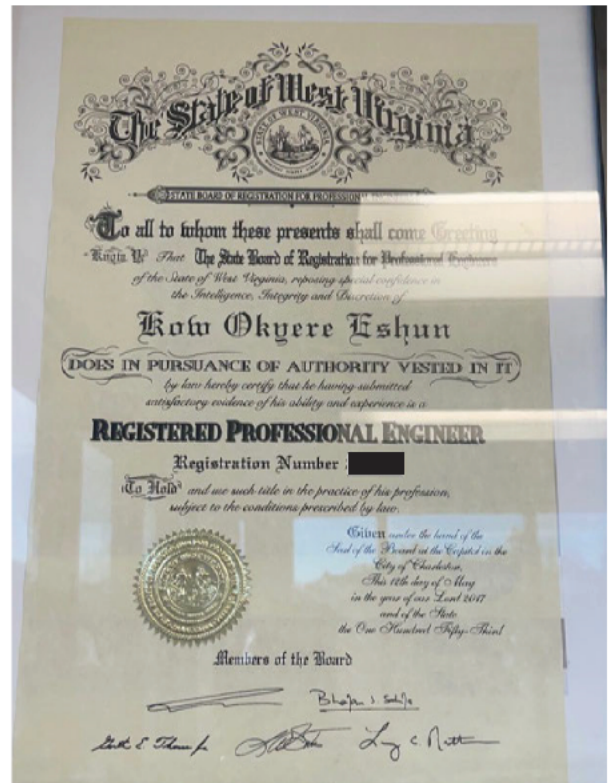
DENNIS E. MILLER
P.S.LIC. [REDACTED]

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State of West Virginia
Board of Professional Surveyors
1124 Smith Street, Suite B127C
Charleston, WV 25301

Phone (304) 558-0350
Fax (304) 558-0352

Website: www.wvbps.wv.gov
Email: wvbps@wv.gov





BUREAU OF PROFESSIONAL AND OCCUPATIONAL AFFAIRS

P. O. Box 2649
Harrisburg, PA 17105-2649
10/27/2021

License Information

JOHN ANDREW BLICKENDERFER

JOHNSTOWN, Pennsylvania 15909

Board/Commission: State Registration Board for Professional
Engineers, Land Surveyors and Geologists

LicenseType: Professional Engineer

Specialty Type:

License Number: [REDACTED]

Status: Active

Status Effective Date: 01/20/2015

Issue Date: 01/20/2015

Expiration Date: 09/30/2023

Last Renewal: 07/26/2021

Disciplinary Action Details

No disciplinary actions were found for this license.

This site is considered a primary source for verification of license credentials provided by the
Pennsylvania Department of State.



CALIFORNIA ARCHITECTS BOARD

LICENSING DETAILS FOR: [REDACTED]

NAME: WONG, KIT MING

LICENSE TYPE: ARCHITECT

LICENSE STATUS: CURRENT

ADDRESS

MAP

ISSUANCE DATE

MARCH 18, 1992

EXPIRATION DATE

MAY 31, 2023

CURRENT DATE / TIME

OCTOBER 27, 2021
6:30:15 AM



CALIFORNIA ARCHITECTS BOARD

LICENSING DETAILS FOR: [REDACTED]

NAME: SCHMIDT, RANDALL WILLIAM

LICENSE TYPE: ARCHITECT

LICENSE STATUS: CURRENT

ADDRESS

MAP

ISSUANCE DATE

OCTOBER 6, 1994

EXPIRATION DATE

SEPTEMBER 30, 2023

CURRENT DATE / TIME

OCTOBER 27, 2021
6:32:06 AM

License Information

YUN JONG OK

Board/Commission: Architects 
License Type: Registered Architect
Specialty Type:
License Number: 
Status: Active

Status Effective Date: 8/13/2003
Issue Date: 8/13/2003
Expiration Date: 6/30/2023
Last Renewal: 5/3/2021

DISPLAY THIS CERTIFICATE PROMINENTLY • NOTIFY AGENCY WITHIN 10 DAYS OF ANY CHANGE

Commonwealth of Pennsylvania
Department of State
Bureau of Professional and Occupational Affairs
PO BOX 2649 Harrisburg PA 17105-2649


21 0106466


License Type
Registered Architect
GERTRUDE LINDSLEY


License Status
Active
Initial License Date
06/02/2008

License Number


Expiration Date
06/30/2023


Commissioner of Professional and Occupational Affairs


Signature

ALTERATION OF THIS DOCUMENT IS A CRIMINAL OFFENSE PENALTY: \$10,000 FINE



Pictured Here:
Aircraft Paint Shop, CCAD, NAS Corpus Christi, TX
Designed by TranSystems

APPROACH & METHODOLOGY 2



NAVFAC Mid-Atlantic, P194 UAV Systems Facilities Expansion, MCAS Cherry Point, NC
Designed by TranSystems

Project Approach

The L.R. Kimball team has a global view of best practices in Aviation projects, both from the land side (critical facilities such as terminals, hangars, and support buildings) and field side (runways, taxiways, airport master planning). This experience is of significant benefit to clients for two reasons:

1. We make holistic and comprehensive decisions because our team sees the big picture and understands the interconnectivity of every design decision
2. We deliver our Architecture + Engineering services in a fully integrated process, which means that our non-silo work approach results in a faster design cycle, greater coordination of disciplines, and better construction documents and specifications.

In addition to experience and capabilities, successful projects depend on solid project management. L.R. Kimball has adopted the Project Management Institute's (PMI's) methodology as our own. L.R. Kimball project managers are trained in the PMI processes and knowledge areas and many of our project managers are certified Project Management Professionals (PMPs). Project success is our goal from initiation to closeout.

Our comprehensive project management approach addresses the key project components of scope, time, cost, quality, communications, and risk. The Project Manager integrates these components as well as all of the project stakeholders and provides the Client with a single point of contact for all team resources. The Client and Project Manager work closely to solidify the project requirements. Our team is committed to working with the Client to address any issue impacting the project.

Our team first seeks to clearly understand and define the mission and priorities of the client relative to the project. We take the time to understand the environment, the culture, the constraints, the operational implications, and the client's historical information that have bearing on the project.

From start to finish, our process assures that these items are integrated into the project requirements. Our understanding of your specific needs and objectives enables us to deliver on your unique objectives while providing an effective, cost-saving, and value-creating solution.

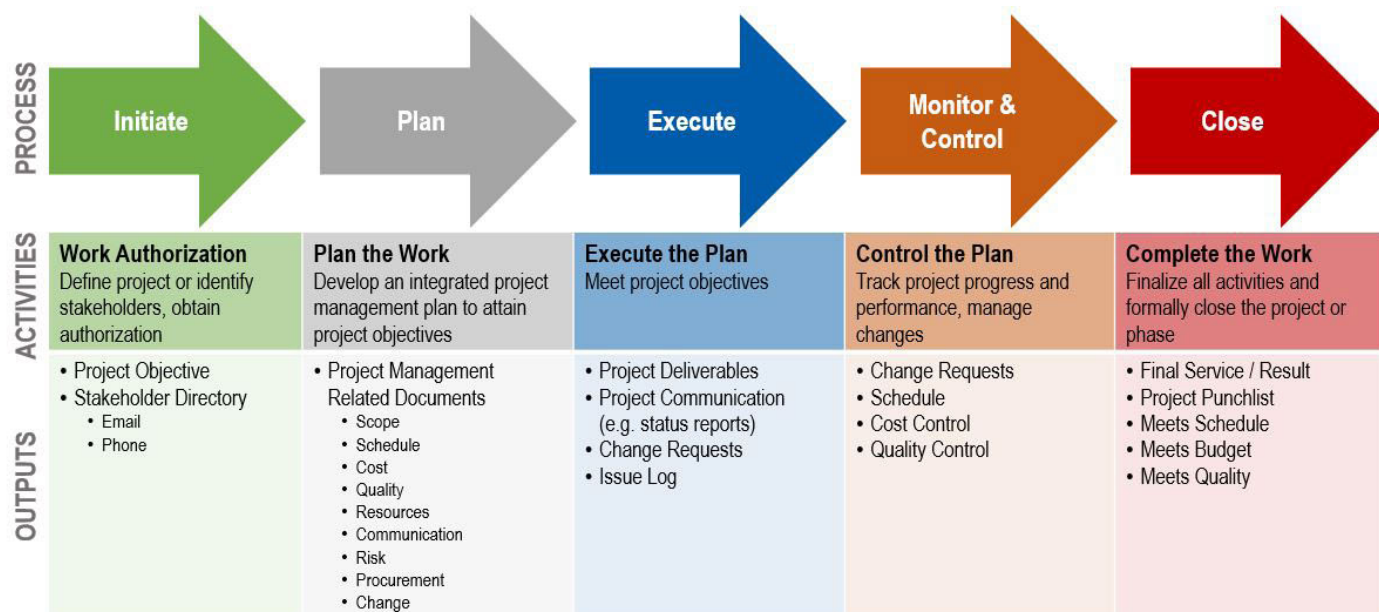
Planning plays a major role in the project's success. The Plan, Do, Check, Act cycle is formed by the planning, execution, monitoring, and controlling processes.

Project success is assured when the PMI process is combined with our depth of experience. The following provides a brief overview of our project management approach to the key project components of scope, time, quality, cost, and communications.

Scope Management

The project scope is based on the understanding of the needs of the stakeholders that we include from the start of every project. We manage scope by thoroughly delineating what is and what is not included in the project. The Work Breakdown Structure (WBS) is our fundamental planning tool that defines scheduled activities and deliverables. All aspects of the project are thought through. The WBS provides a way to monitor and control the project including scope changes.

Change requests can be the single biggest threat to completing a project successfully on time and on budget. Therefore, all requested changes must be evaluated to determine their impact on the project's scope, budget, and schedule. Requested changes are sometimes straightforward, such as adding a new task, but, more commonly, the change is less obvious, such as completing one task before starting another. L.R. Kimball analyzes the impact of each requested change, communicates the impact, and makes our recommendation to the client. If the requested change is approved through the change management process, L.R. Kimball updates the Project Plan and coordinates required contractual updates.



PROJECT MANAGEMENT INSTITUTE PROCESS

Time Management

Having identified project scope, our team is able to anticipate the timeline and activity durations. The project schedule is developed with project milestone requirements and other time-sensitive constraints. The project schedule provides L.R. Kimball and the client with a road map to track and coordinate the activities associated with the overall project. In addition, the project schedule will include major client-related tasks and activities that need to be completed to achieve the project milestones. In short, the project schedule enables progress reporting and supports monitoring activity to completion.

Throughout our projects, progress is monitored and reported through regular project team meetings. Actual progress is measured against the baseline schedule, resource needs are discussed, and roadblocks are resolved. Significant variances from the Project Plan are assessed and acted upon to keep the project in alignment with the Project Plan. If necessary, changes and options are discussed with the client.

Quality Management

L.R. Kimball maintains an in-house team of architects, engineers, and project managers who are experienced with government facility design and are responsible for rigorous quality assurance and quality control (QA/QC) of construction documents. These reviewers are typically not assigned to the project that they are reviewing, but they are familiar with the building type, thereby facilitating reviews through a “fresh set of eyes”.

Our QA/QC team follows an established policy for drawing review and coordination. These reviews are in addition to the continual reviews undertaken by the Project Manager, Project Architect, and Senior Technical Leaders within each discipline. These formalized QA/QC reviews take place at the 30%, 60%, and 90% stages of the production of construction documents. Our Project Manager works closely with the QA/QC team during this review process for each project.

L.R. Kimball’s QA/QC reviews also include coordination of the architectural drawings with the documents produced by the mechanical, electrical, plumbing, and structural disciplines. In this regard, we are currently utilizing an interdisciplinary coordination process and construction document review system specifically designed to address points of interface, enabling both production personnel and our QA/QC team to locate discrepancies between disciplines.

Project Management Software

L.R. Kimball utilizes industry-leading software to assist in our project management approach and methodology. We have a comprehensive understanding of the project's needs and objectives by clarifying this information in both graphic and database forms.

We are able to coordinate the project-specific requirements with staff resources on a global enterprise system. The L.R. Kimball team meets weekly with resource staff to review project milestones, deliverables, and to coordinate with project managers the delivery of a successful project at every level of the project's duration.

The following information is a high-level overview of the software that we utilize and the benefits of these tools in our planning, execution, monitoring, and control over the life of a project.

Microsoft Project Scheduling Software:

We will establish a work breakdown structure for the project, assigning specific tasks and due dates to designated project team members to develop a baseline for the project schedule. This allows us to anticipate potential schedule slippage and develop schedule recovery options to ensure the project is kept on track.

Newforma Virtual Project Office Software:

Our team will utilize Newforma software to provide the entire project team, including the Owner, with the following benefits:

- Repository and access to all project documents (meeting minutes, design documents, submittal schedules, RFI logs, etc.).
- Ability to review, redline, and comment on design documents without the need for AutoCAD software.
- Ability to track project issues by responsible party and due date.
- Ability to track all construction phase activities, submittals, RFIs, change order logs, and more.

Project Resource Management Software:

Our project manager will update manpower requirements and review work assignments on a weekly basis to ensure the project is appropriately staffed. This software provides each staff member with their assignments for a two-week, look-ahead period. This benefits our Client by letting them know in advance when critical design decisions need to be made.

Cost Control

L.R. Kimball's procedures for cost control ensure that sufficient opportunity is provided to accommodate changes in scope prior to the final Design/Construction Documents Phase to avoid cost overruns. Construction cost estimates will be provided by L.R. Kimball personnel throughout the project. By continually addressing the cost implications throughout the early phases of design, the team is able to identify cost issues before unrealistic expectations are created. These estimates will be developed on a square foot basis initially and will be prepared at increasing levels of detail as the project documentation is developed. In addition, we will utilize an independent professional cost estimating firm to develop its own estimate. Any significant variances will be discussed and reconciled.

The key to successful estimating is the early identification of all components that carry a project cost, the establishment of an adequate project contingency, and confirmation of the workload in the marketplace with the local construction industry. Life cycle costs must also be taken into consideration in the selection of final finishes, equipment, and energy conservation measures as well.

In order to maintain the project budget, it is critical to evaluate the budget at each phase of the project. In the budget development process, we will work closely with your representatives and/or any of your other consulting professionals to understand the cost ramifications of various design decisions.

Additionally, we understand the need to select systems that are economical from the day they are purchased throughout the life of the facility. Every major system is evaluated in terms of initial purchase, availability, operating/life cycle costs, and maintenance and replacement costs. Availability of long lead items is also taken into consideration, especially as it relates to project schedule and construction phasing.



Communication Management

Communication and coordination among all parties is critical to assure successful execution of the Project Plan. During the project “kick-off” meeting with our team and client staff, we review the Project Plan, procedures for change control, project specifications, and production methodology to eliminate any misunderstandings and align with expectations. A vital part of this meeting is the discussion of project communications—specifically, what needs to be communicated, by whom, to whom, how often, and by what method. The result of this discussion is a communication plan that will frame the communication requirements for the project. At the center of all successful projects is clear, concise communication.

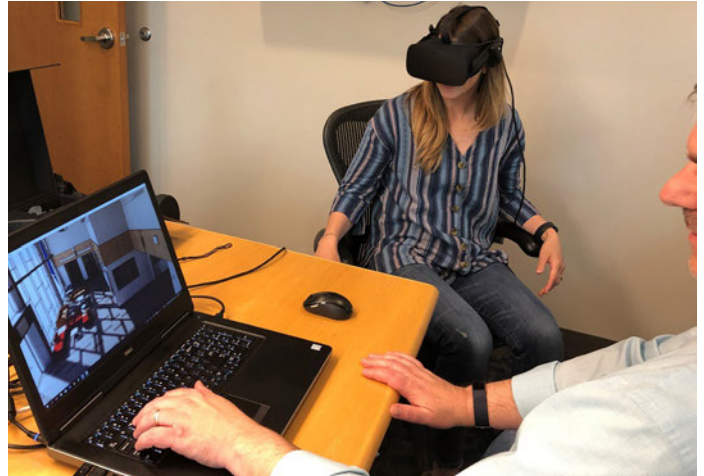


Building Information Modeling (BIM) / Virtual Reality

Building Information Modeling (BIM) is an intelligent 3-Dimensional, digital representation of the physical, functional, and spatial characteristics of a facility. 3D digital representations of a facility can be utilized by the project team during the entire lifecycle of a project. This software is used by our architects and engineers to communicate with owners and contractors during the design, construction, and operation of facilities.

The BIM database can encompass geographic information and special relationships, as well as specific component information that can be utilized for design analysis, engineering calculations, and quantitative properties for estimating. These capabilities can be tracked throughout the life cycle of a project, allowing for evaluation and assessment of decision made during the design of a project.

By incorporating Virtual Reality (VR) practices, the team can visually interpret the BIM model in real time, allowing for a more in-depth understanding of a project’s design features and to make more informed decisions. When carried beyond the design phase, the BIM dataset can be utilized for fabrication of components, and for construction logistics / sequencing. After construction, the BIM dataset is also effective for maintenance and operation of facilities.

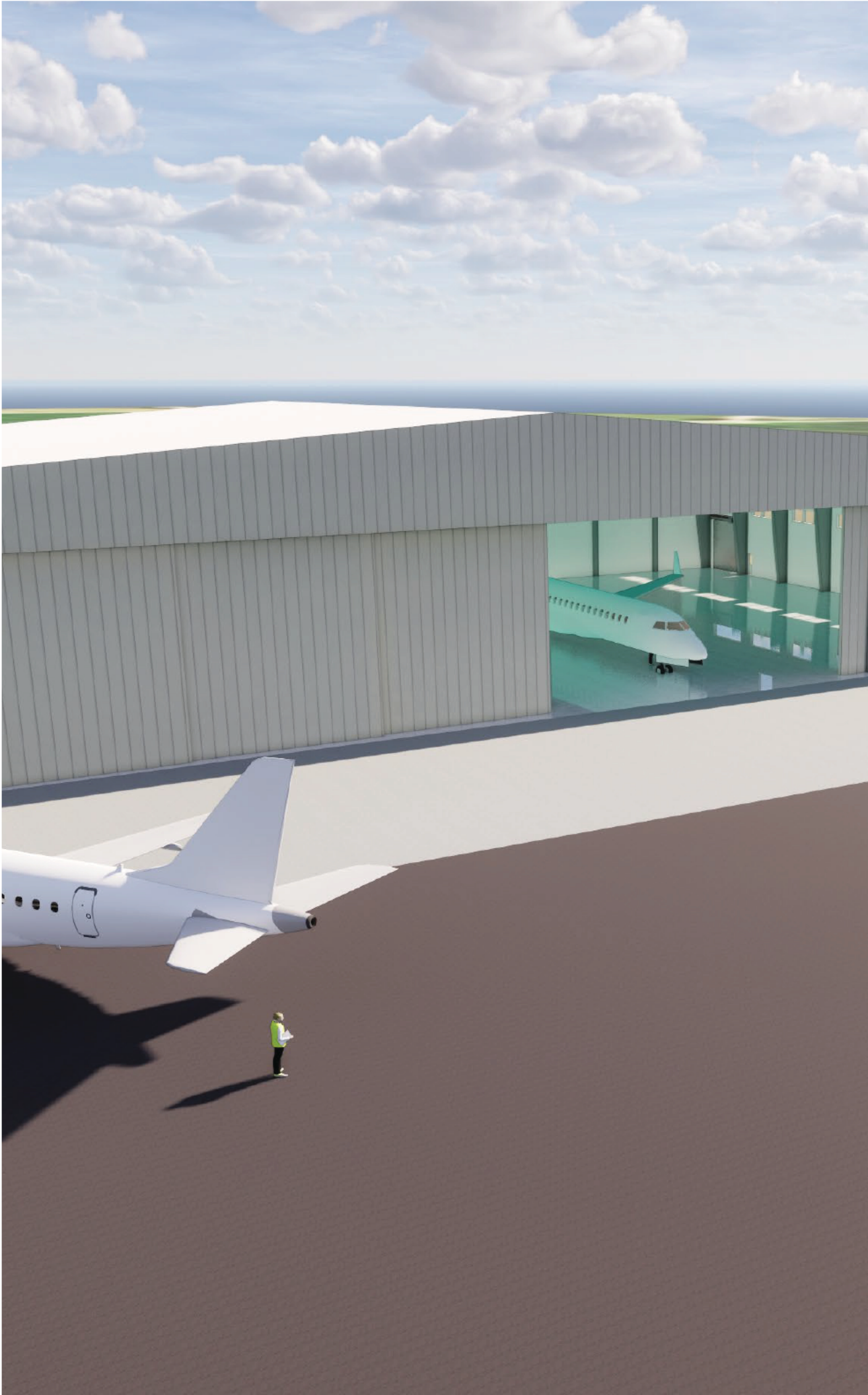


We utilize Revit as our primary design / engineering application when developing BIM datasets for projects. As hardware and software developments around the BIM process have advanced over the last several years, L.R. Kimball has developed an integrated approach that incorporates VR capabilities into our project workflow.

Capabilities include design visualization to immersive walk-throughs. Output options range from still images and animations to stand alone panoramic or virtual environments. The BIM / VR combination also allows for an immersive experience with the addition of the latest headsets from Oculus and HTC. These visualization options help the entire team, including our clients understand and experience the project before construction begins..

Additional Information

Please note that while L.R. Kimball has been acquired by TranSystems, our business name for work in West Virginia is still currently CDI-Infrastructure LLC dba L.R. Kimball. Our representatives have reviewed the CEOI thoroughly and upon selection, L.R. Kimball requests the opportunity to negotiate mutually beneficial terms and conditions.



FORMS 3



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

State of West Virginia
Centralized Expression of Interest

Proc Folder: 949831

Doc Description: AASF1 & AASF2 Unheated Aircraft Storage Design

Reason for Modification:

Proc Type: Central Purchase Order

Date Issued	Solicitation Closes	Solicitation No	Version
2021-10-06	2021-10-21 13:30	CEOI 0603 ADJ2200000007	1

BID RECEIVING LOCATION

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

VENDOR

Vendor Customer Code:

Vendor Name : CDI-Infrastructure, LLC dba L.R. Kimball

Address : Frick Building, 437 Grant Street

Street : Suite 812

City : Pittsburgh

State : PA

Country : USA

Zip : 15219

Principal Contact : David A. Rispoli, PE

Vendor Contact Phone: 814-419-7897

Extension: 814-419-7897

FOR INFORMATION CONTACT THE BUYER

David H Pauline
304-558-0067
david.h.pauline@wv.gov

Vendor
Signature X

FEIN# 27-2620523

DATE 10/26/21

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



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

State of West Virginia
Centralized Expression of Interest

Proc Folder: 949831

Doc Description: AASF1 & AASF2 Unheated Aircraft Storage Design

Reason for Modification:

Addendum No. 1
Change bid opening date and time

Proc Type: Central Purchase Order

Date Issued	Solicitation Closes	Solicitation No	Version
2021-10-14	2021-10-28 13:30	CEOI 0603 ADJ2200000007	2

BID RECEIVING LOCATION

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

VENDOR

Vendor Customer Code:

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**Vendor
Signature X**

FEIN# 27-2620523

DATE 10/26/21

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

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

Megan Polinsky, Contract Administrator

(Name, Title)
Megan Polinsky, Contract Administrator

(Printed Name and Title)
615 West Highland Avenue, Ebensburg, PA 15931

(Address)
814-419-7861 / 814-472-6610


(Phone Number) / (Fax Number)
mepolinsky@transystems.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.

By signing below, I further certify that I understand this Contract is subject to the provisions of West Virginia Code § 5A-3-62, which automatically voids certain contract clauses that violate State law.

CDI-Infrastructure, LLC dba L.R. Kimball

(Company)


(Authorized Signature) (Representative Name, Title)
Edward J. Jones, PE, Vice President

(Printed Name and Title of Authorized Representative)
October 26, 2021

(Date)
814-419-7886 814-472-7712

(Phone Number) (Fax Number)

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: CDI-Infrastructure, LLC dba L.R. Kimball

Authorized Signature: [Signature] Date: 10/26/21
Commonwealth of Pennsylvania

County of Cambria, to-wit:

Taken, subscribed, and sworn to before me this 26 day of October, 2021.

My Commission expires August 18, 2023

AFFIX SEAL 

NOTARY PUBLIC

Carol A. Merryweather

Purchasing Affidavit (Revised 01/19/2018)

ADDENDUM ACKNOWLEDGEMENT FORM
SOLICITATION NO.: CEOI ADJ2200000007

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

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

Addendum Numbers Received:

(Check the box next to each addendum received)

- | | |
|--|--|
| <input checked="" type="checkbox"/> Addendum No. 1 | <input type="checkbox"/> Addendum No. 6 |
| <input type="checkbox"/> Addendum No. 2 | <input type="checkbox"/> Addendum No. 7 |
| <input type="checkbox"/> Addendum No. 3 | <input type="checkbox"/> Addendum No. 8 |
| <input type="checkbox"/> Addendum No. 4 | <input type="checkbox"/> Addendum No. 9 |
| <input type="checkbox"/> Addendum No. 5 | <input type="checkbox"/> Addendum No. 10 |

I understand that failure to confirm the receipt of addenda may be cause for rejection of this bid. I further understand that 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.

CDI-Infrastructure, LLC dba L.R. Kimball

Company



Authorized Signature

October 26, 2021

Date

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

L.R. Kimball

A Division of TranSystems

PITTSBURGH

Frick Building
437 Grant Street, Suite 812
Pittsburgh, PA 15219
T 412.201.4900

EBENSBURG

615 West Highland Avenue
Ebensburg, PA 15931
T 814.472.7700

www.lrkimball.com
www.transystems.com