

L.R. Kimball

A Division of TranSystems

AVIATION SERVICES



New Garden Township
Runway 6-24 Reconstruction and Safety Area Improvements
New Garden Flying Field, Toughkenamon, PA
Photo Credit: Jon Martin, Airport Director



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L.R. Kimball, a full-service architecture and engineering firm, was founded in 1953 in Ebensburg, PA. 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.

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



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.

We provide service to over 60 different Airports throughout the mid-Atlantic region. 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.

Our years of experience in working on varied projects at multiple airports allows us to identify cost savings during the design process. In the end, we are always proud to work with each and every one of our clients to achieve their goals and objectives.

L.R. Kimball is a Division of TranSystems

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 more than 35 offices throughout the U.S. perform a broad range of services to all sectors of the transportation and federal marketplaces. Services are delivered throughout the asset life cycle, from concept to construction to long-term operations, maintenance and rehabilitation.

Engines of Economic Development

Airports are more than transportation hubs, they are often the "front door" for a city or a gateway to an entire region.

L. R. Kimball's Aviation Group is your single source provider for all things aviation related: from developing business and master plans to FAA Compliance assistance and airport design, engineering, construction and management services - we offer busy airport administrators the resources they need to make their facility as efficient and productive as it can be.

With over 50 years of experience in both airside and landside operations, we can help you maximize your revenue generating opportunities while enhancing your passenger experience.



Bedford County Airport, New Hangar
Bedford, PA



Yeager Airport, Various Projects
Charleston, WV

Aviation & Commercial Building Experience

By the Numbers

68 YEARS IN BUSINESS
WITH **60+** ACTIVE AIRPORT
CLIENTS ACROSS **6** STATES

These airports range in size from large "focus" airports like Pittsburgh International, to smaller non-hubs like Wilkes-Barre/Scranton International and Williamsport, to general aviation relievers like Reading Regional and Allegheny County, to small local facilities like Bellefonte, PA.

1,200+ AVIATION PROJECTS OVER THE PAST **50+** YEARS

55+ HANGAR RELATED PROJECTS:

- CORPORATE HANGARS
- UNIT HANGARS
- COMMUNITY HANGARS
- MAINTENANCE & SERVICE HANGARS
- FBO HANGARS
- T-HANGARS

40 YEARS OF COMMERCIAL FACILITY DESIGN:

- HANGARS
- TERMINAL FACILITIES
- OFFICE BUILDINGS
- TENANT IMPROVEMENTS
- FINANCIAL INSTITUTIONS
- HOTELS & CONFERENCE CENTERS
- INTERMODAL TRANSIT CENTERS
- PARKING STRUCTURES
- RELIGIOUS FACILITIES/CHURCHES
- LIGHT INDUSTRIAL/ MANUFACTURING FACILITIES
- RETAIL

85+ OFFICE SPACE PROJECTS

2.9 MILLION+ SQUARE FEET OF OFFICE SPACE DESIGNED

60+ WAREHOUSE/ INDUSTRIAL FACILITY PROJECTS



L.R. Kimball Aviation Services

Airport design was one of the first engineering services provided by L.R. Kimball after the firm was established in 1953. Since then, we have expanded the application of our expertise to a full range of services:

DESIGN AND ENGINEERING

PRELIMINARY DESIGN

- Recommended Design Criteria
- Mapping & Surveying
- Geologic & Foundation Studies
- Material Sampling & Testing
- Pavement Testing & Evaluation
- Engineer's Report

FINAL DESIGN

- Layout & Geometric Design
- Pavement & Overlay Design
- Site Preparation & Drainage
- Detailed Cost Estimates
- Runway Marking & Grooving
- Preliminary Cost Estimates
- Airport Lighting
- Construction Plans & Specs.
- Design Certification
- Bidding/Negotiating
- Construction Phasing Plans
- Contract Documents

NAVIGATIONAL & LANDING FACILITIES

- Instrument Landing Systems
- Localizers
- Glide Slopes
- Pilot Controls
- Rotating Beacons
- Obstruction / Approach Lighting
- AWOS

AIRPORT BUILDINGS

- General Aviation Buildings
- Maintenance & Service Hangars
- Aircraft Rescue & Fire Fighting
- Aircraft Storage Hangars
- Field Maintenance Facilities
- Equipment Storage Buildings
- Terminal Buildings
- Commercial & Industrial Buildings

AIRPORT EQUIPMENT

- Aircraft Rescue & Fire Fighting
- Snow Removal
- Airfield Maintenance
- Aircraft Fuel Trucks
- Aboveground Fuel Facilities
- Airfield Emergency Generators
- Electrical Vaults

L.R. Kimball Aviation Services (cont.)

CONSTRUCTION

- Construction Management
- Resident Project Representation
- Nuclear Density Testing
- Project Closeout Certificates
- Construction Management Plans
- Field & Laboratory Testing
- As Constructed Drawings
- Final Inspection Summaries
- Professional Project Supervision
- Progress Reports & Estimates
- Construction Certifications
- As-Built Quantity Adjustments

AIRPORT MANAGEMENT SERVICES

- Airport Management Plans
- Grant Administration
- Airpark Development
- Passenger Facility Charges
- Rates and Charges Analysis
- Minimum Operating Standards
- Safety & Security Plan
- Free Trade Zone Applications
- Lease Reviews/Developments
- Airport Business Plans
- Security Plans
- FAA/State Grant Preparation
- Rules and Regulations
- Snow Removal Plans
- Pavement Maintenance Plans
- FBO Negotiations

PROJECT ADMINISTRATION

- Technical Guidance & Advice
- Project Justification
- Requests for Financial Aid
- Forms and Applications
- Project Management
- Environmental Clearances

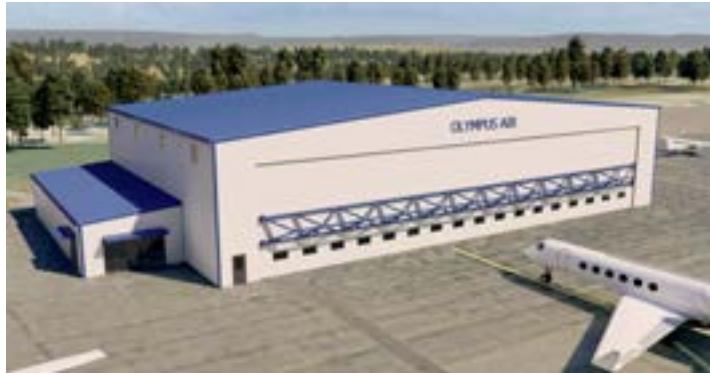
PLANNING AND ENVIRONMENTAL PROCESSING

- Master Planning
- Financial Planning
- Feasibility Studies
- Airport Property Development
- Runway Safety Area Studies
- Layout Plans
- Air Industrial Parks
- Economic & Expansion Surveys
- Traffic Analyses & Forecasts
- Ceiling, Visibility & Wind Analysis
- Runway Orientation Studies
- Environmental Studies
- Land Use Planning & Analysis
- Obstruction & Approach Surveys
- Terrain Clearance Maps
- Aerial Easements
- Site Selection Studies
- Property Maps & Surveys
- NEPA Processing
- Environmental Permitting
- Wildlife Hazard Assessments
- Wildlife Hazard Management Plans

Marshall University
New Bill Noe Flight School at Yeager Airport
Charleston, WV



Recent Project Experience



Olympus Air of HZL
New Corporate Hangar at the Hazleton Regional Airport
Hazleton, PA



VH-71 Presidential Helicopter Integration Facility
Owego, NY



Pittsburgh International Airport - Various Projects
Pittsburgh, PA
Photo Credit - Pittsburgh International Airport



Williamsport Municipal Airport Authority
Runway 9-27 Approach Improvements & Rehabilitation
Montoursville, PA



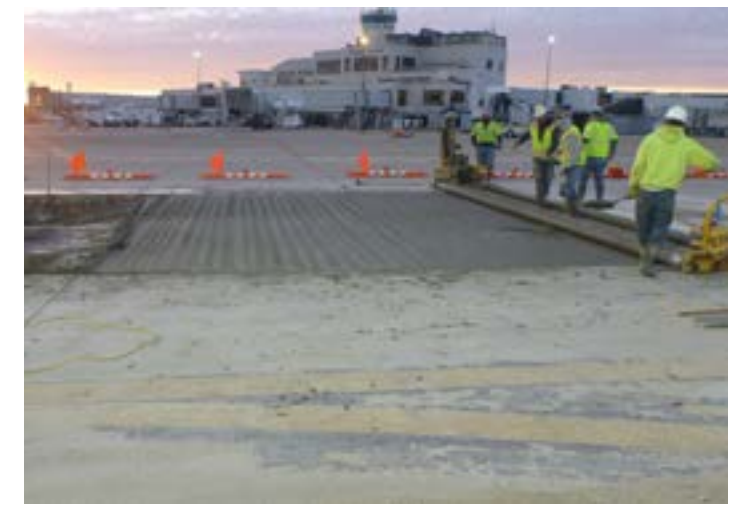
Federal Aviation Administration
Architecture & Engineering Services for Renovations
at the FAA William J. Hughes Technical Center at the
Atlantic City International Airport, NJ



Benedum Airport Authority
New Terminal Facility at the North Central West Virginia
Airport, Bridgeport, WV



Bi-County Airport Luzerne & Lackawanna Counties
Taxiway B Extension to Runway 22
Wilkes-Barre/Scranton International Airport, Moosic, PA



Central West Virginia Regional Airport Authority
Taxiway Rehabilitation
Yeager Airport, Charleston, WV



Marshall University
Master Plan, Aviation Program, and Bill Noe Flight
School, Yeager Airport and Tri-State Airport, WV



Bedford County Airport
Architecture & Engineering Services for a New Hangar
Bedford, PA



US Airways
Operations Control Center
Pittsburgh, PA

“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



Founded more than 68 years ago, L.R. Kimball, a division of TranSystems, is recognized as one of the nation's leading architecture and engineering firms offering multi-disciplinary services to a diverse range of public and private-sector clients.

Our "one team" attitude helps us anticipate and resolve project opportunities and challenges.

FAST FACTS



Highways, Bridges, Environmental, & Traffic

- 50 Years of experience in Transportation Design
- 900+ Department of Transportation projects across 11 states



Geosciences

- 3,000+ mapping projects
- 75+ digital orthophotography projects



Education

- 600+ Higher Education Projects
- 450+ K-12 Education Projects
- One of the first LEED® Gold Certified K-12 Schools in the Country



Sports

- 180+ sports related projects designed
- 1st LEED® Certified Higher Education Ballpark in the Country



Civil

- 500+ Land development projects
- 120+ water and wastewater treatment projects
- 84 dam projects



Aviation

- 60 Active airport clients across 6 states
- 30+ Environmental Studies



Commercial

- 600+ projects
- Over \$ 1.4 Billion in construction value
- 3.4 Million SF of Commercial space designed



Corrections

- 150+ Correctional Facility Studies & Designs completed
- Over \$ 1.6 Billion in construction value

INTEGRATED DESIGN DELIVERS INNOVATIVE SOLUTIONS

Architecture & Engineering



Architecture

- Master Planning
- Urban Design
- Building Design
- Interior Design
- Sustainable Design
- Facility Assessments

Facilities Engineering

- Mechanical
- Electrical
- Structural
- Fire Protection

Civil Engineering



- Stormwater Facilities
- Wastewater Engineering
- Brownfield Development
- Dams and Waterways
- Erosion Control

- Solid Waste Consulting
- Demolition Consulting
- Land Development
- Railroad Sidings
- Water Resources

Highways, Bridges, Environmental & Traffic



- Bridge and Structure Design
- Bridge Safety Inspection
- Highway Design
- Traffic Engineering and Design

- Construction Inspection and Management
- Environmental Compliance and Permitting
- Geoscience Support Services (Drilling and Surveying / Mapping)

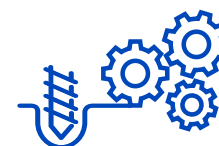
Aviation



- Design
- Management
- Operations
- Master Planning
- Business Planning
- NEPA / Environmental / Wildlife Hazard Assessment

- Airfield Obstruction Analysis
- Airfield and Landside Design
- Navigational Aid Coordination
- Hangar Building Design
- Construction Management / Inspection

Geosciences



Geotechnical

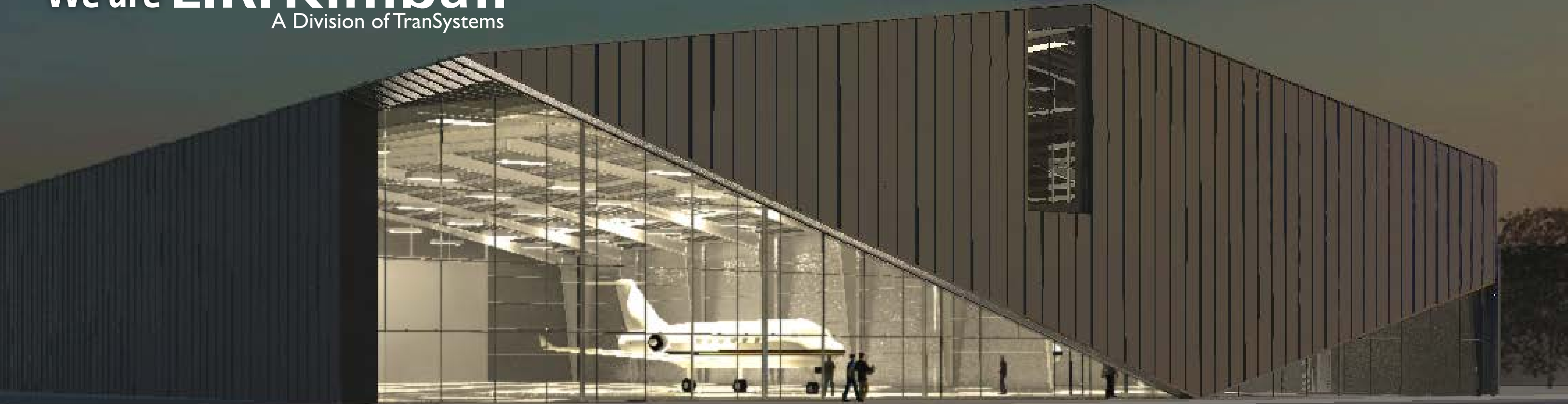
- Stockpile
- Drilling
- Material Testing

Geospatial

- Survey
- Mapping
- Photogrammetry

Welcome to collective creativity and
the next generation of design.

We are **L.R. Kimball**
A Division of TranSystems



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L.R. Kimball

A Division of TranSystems

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*Williamsport Municipal Airport Authority
Runway Paving
Montoursville, PA*