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WV PURCHASING
DIVISION



West Virginia
Department of Administration

WVDNR

West Virginia Division of Natural Resources

A/E Services for New District VI Office Complex

SUBMITTED BY:

CDI-Infrastructure, LLC dba L.R. Kimball



®

L.R. Kimball

April 30, 2019

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April 24, 2019

Ms. Brittany Ingraham, Buyer
Department of Administration, Purchasing Division
2019 Washington Street East
Charleston, WV 25305-0130

RE: A/E Services for New District VI Office Complex, Solicitation No. CE01 DNR1900000010

Dear Ms. Ingraham:

On behalf of CDI-Infrastructure, LLC dba L.R. Kimball (**L.R. Kimball**), we are pleased to submit our qualifications to provide A/E services for the New District VI Office Complex.

L.R. Kimball is a diversified organization of consulting engineers, architects, planners, environmental scientists and construction managers. With over 65 years of quality service, our firm employs many professional, technical and administrative personnel. Our company has experience on over 600 commercial type projects involving similar spaces such as offices, warehouses/industrial facilities, storage areas, and laboratory space.

We offer the following for your consideration:

- Our team's **depth of experience designing Commercial & Government** Facilities means that our integrated design approach will deliver a project that meets both your budget and aspirations. Our team regularly and successfully works with a variety of government agencies such as yours, on multiple building types including offices, laboratories, storage, and shop/industrial facilities.
- L.R. Kimball has **full in-house design services** to manage your projects from conception to ribbon-cutting. These include: architecture, engineering, mapping, surveying, planning studies, 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, we have bolstered our team even further with TRC's geotechnical, environmental engineering, and landscape architecture services.
- 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.
- The scope of our project experience includes site designs, new standalone facilities, facility assessments, renovations, additions, repairs, and ADA upgrades. Our highly integrated 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**. Our sub-consultant TRC shares a similar record of excellence and client service in the WV market.
- We understand the challenges of maintaining your physical assets, preserving the efficiency of the WV State Department and the WV Division of Natural Resources and the required supporting facilities. **The L.R. Kimball team will be both partners and stewards in the process of designing a beautiful 21st Century office complex that meets your budget and needs.**

Ms. Brittany Ingraham, Buyer

April 24, 2019

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For these reasons, we are delighted to submit the attached materials and for your review and consideration. We look forward to discussing any of the contents of this document and trust that your review of our qualifications will afford us the opportunity to do so.

With Kind Regards,



David Rispoli, PE
Director of Architecture and Engineering
CDI-Infrastructure, LLC dba L.R. Kimball



Wesley Hevener, PE
Project Executive / Transportation Practice Leader & Project Manager
CDI-Infrastructure, LLC dba L.R. Kimball



Extraordinary outcomes are the result of exceptional people.



SECTION I - QUALIFICATIONS / EXPERIENCE / PAST PERFORMANCE

TEAM INTRODUCTION

L.R. KIMBALL

ARCHITECTURE & ENGINEERING DESIGN

Founded in 1953, L.R. Kimball is recognized as one of the nation's leading professional service companies offering architecture and engineering services to a diverse range of public and private-sector clients.

With offices in WV, PA, TX, and LA, we employ over 150 architects, engineers, designers, and support staff. Our clients benefit from our deep bench of talented professionals and effective quality control procedures that result in award winning, timely, cost-efficient projects.

The firm's strong technical expertise coupled with its deep creative vision and architectural and engineering capabilities has cemented L.R. Kimball's position as a leader in corporate / commercial design and project management. Clients rely on L.R. Kimball to design and manage hundreds of projects annually. Embracing a "one team" attitude that facilitates a multi-disciplinary, holistic approach to design and project delivery, the firm's portfolio encompasses an array of project types, from feasibility and condition studies and master plans to minor and major renovations and retrofitting, expansion, adaptive reuse, and new construction.

Our Commercial Building projects include:

- Office Buildings
- Light Industrial or Manufacturing Facilities
- Laboratories
- Tenant Improvements
- Financial Institutions
- Hotels and Conference Centers
- Intermodal and Transit Centers
- Parking Structures
- Religious Facilities/Churches
- Retail

L.R. Kimball is a division of CDI Engineering Solutions, LLC, which offers leadership in industries that impact nearly every aspect of our lives. We deliver solutions to Fortune 1000 clients in the infrastructure, energy, and chemical industries.

The following pages include L.R. Kimball's full list of services, and additional information regarding our commercial / industrial / governmental experience.



L.R. Kimball's portfolio includes projects in the following market sectors:

- Commercial / Industrial
- Education
- Government
- Sports and Recreation
- Corrections / Justice / Public Service
- Federal
- Aviation
- Highways Bridges & Tunnels
- Civil / Waste Water

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 & Waterways
- Erosion Control

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

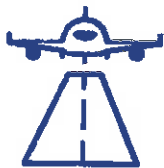
Highways, Bridges, Environmental & Traffic



- Bridge & Structure Design
- Bridge Safety Inspection
- Highway Design
- Traffic Engineering & Design
- Transportation Planning

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

Aviation



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

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

Geosciences



Geotechnical

- Stockpile
- Drilling
- Material Testing

Geospatial

- Survey
- Mapping
- Photogrammetry



L.R. Kimball COMMERCIAL & INDUSTRIAL

65 YEARS IN BUSINESS AND
OVER **40** YEARS OF COMMERCIAL
FACILITY DESIGN EXPERIENCE:

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

600+ PROJECTS DESIGNED

OVER **1.4 BILLION**
IN CONSTRUCTION VALUE

AND

OVER **3.4 MILLION**
SQUARE FEET OF SPACE DESIGNED



EXPERIENCE

60+ WAREHOUSE / INDUSTRIAL FACILITY PROJECTS

85+ OFFICE SPACE PROJECTS

10 RECENT LABORATORY / MEDICAL RESEARCH PROJECTS:

- PRIVATE COMPANIES
- PUBLIC SAFETY / LAW ENFORCEMENT
- EDUCATIONAL INSTITUTIONS

OVER 2.9 MILLION SQUARE FEET OF OFFICE SPACE DESIGNED

300+ TOTAL PROJECTS ACROSS WEST VIRGINIA (ALL PROJECT TYPES)

15 RECENT TENANT FIT-OUTS FOR:

- RESEARCH COMPANIES
- GOVERNMENT AGENCIES
- PRIVATE FIRMS
- EDUCATIONAL INSTITUTIONS
- MEDICAL INSTITUTIONS



Photo Credit: © Jeffrey Totaro, 2017
Claysburg, PA
New Headquarters & Operations Center

Commercial / Industrial

Proforma Driven Programming

Businesses succeed when they can instantly respond to changing needs of the marketplace. The buildings that house their employees and manufacturing processes impact the bottom line in many ways.

L.R. Kimball's approach views each project as an opportunity to enhance our client's brand and support their business goals. We believe the success of a building is determined not simply by bricks and mortar but rather how it supports the people that work in them.

Our programming process is analytic, insightful and creative. It looks at your needs and project goals from the inside out and outside in to create solutions that provide value at every price point.

*The Greater Johnstown Technology Park
Multi-Tenant Office Building
Johnstown PA*





City of Williamsport, PA
Trade & Transit Intermodal Center II
Williamsport, PA



Hyatt Hotel at the Pittsburgh International Airport
Dauphin County General Authority
Pittsburgh, PA



Windber Research Institute
Laboratory and Multi-Tenant Office Building
Windber, PA



ORX Railway Corporation
Business & Manufacturing Addition
Tipton, PA



Allegheny County Sanitary Authority
New Operations & Maintenance Facility
Pittsburgh, PA

“ The design of the building and its functionality are everything I hoped they would be, and I am a very, very, very particular person. **Everything about its design is just perfect. The architecture itself is a work of art.** It is with the very highest rating that I unconditionally recommend them for any such project. Just one warning though, L.R. Kimball gets things done with lightning speed. ”

Glenn Brandimarte

President ORX Railway Corporation, Tipton, PA

Government

Proudly Serving Those Who Serve Us

Robert Kennedy once said that even the smallest acts of public service represent a "tiny ripple of hope."

At L.R. Kimball, we are honored to have provided a range of design, engineering and technical consulting services that have helped government agencies serve their constituents.

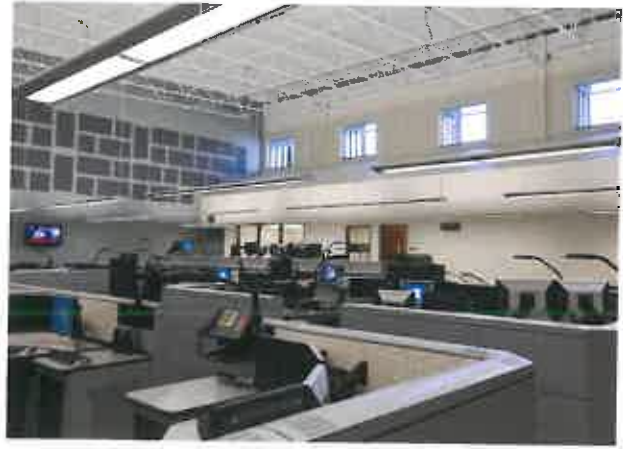
Our professionals carry high security clearances, allowing us to design and support projects for multiple federal, state and local agencies under a range of delivery methods including design/build, public/private partnerships and IDIQ contracts.

*PA Department of General Services
New Armed Forces Reserve Center & Field Maintenance Shop
Williamsport, PA*





*Borough of State College
New Municipal Building
State College, PA*



*York County, PA
Emergency Services / 911 Center
York, PA*



*Southeast PA Regional Task Force and the
City of Philadelphia, Delaware Valley Intelligence Center
Philadelphia, PA*



*Clayton G. Graham Public Safety Building
Atlantic City, NJ*



*United States Coast Guard
New Rescue Swimmer Training Facility (Design/Build)
Elizabeth City, NC*

“ The PA Department of General Services and the PADMVA have developed trust and confidence in L.R. Kimball. **Working with this team was truly a beneficial partnership.** We would highly recommend them to any agency considering a building project or restoration.”

**Andrew J DeGregorio,
EIT LTC (RET), EN, PAARNG**

**Former Director
Bureau of Military Construction & Engineering
Construction & Facilities Management Officer
Office of Facilities and Engineering
PA Department of Military and Veterans' Affairs**

Civil Engineering

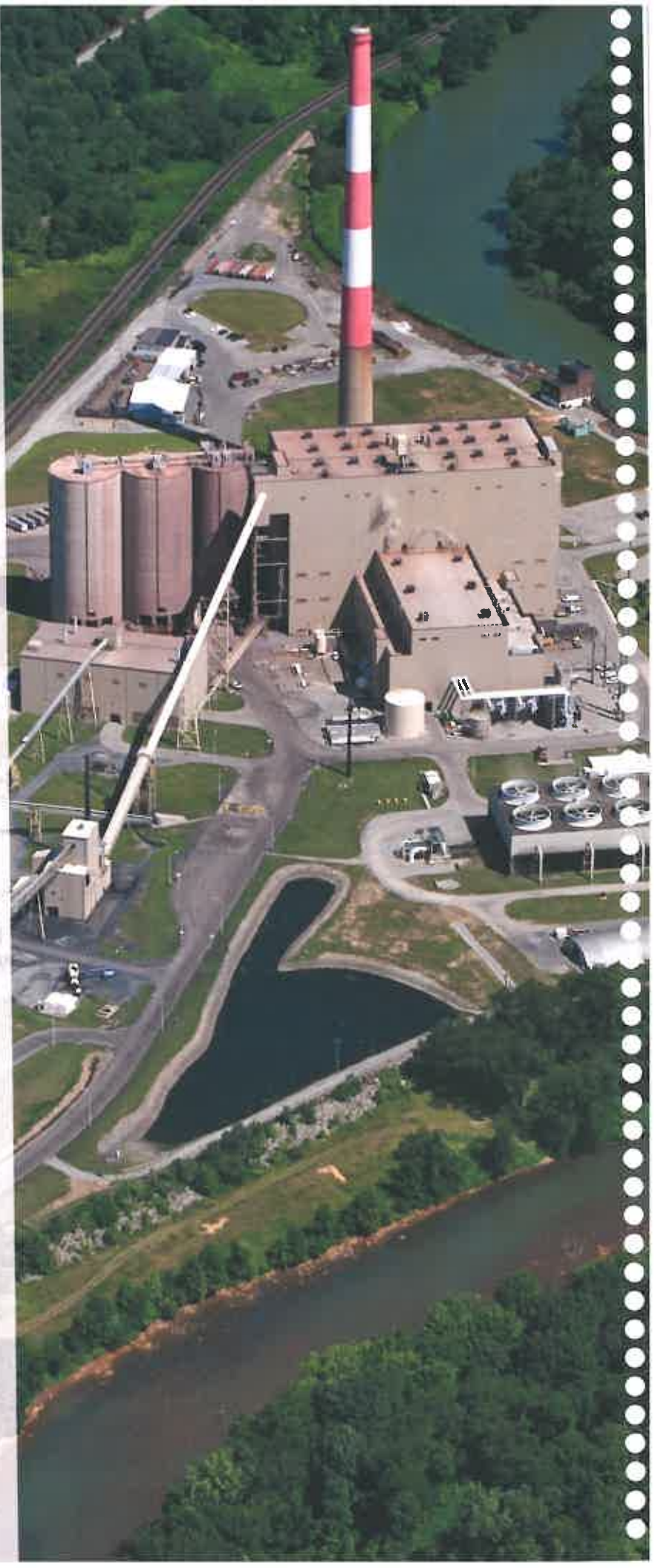
Engineered for Efficiency

Infrastructure is key to maintaining safe, efficient, people-friendly cities and towns. It encompasses nearly everything that we depend upon in life to function as a society, a culture and an economy.

At L.R. Kimball, our integrated approach to providing infrastructure engineering services means that our clients – and the communities they serve – can thrive and grow knowing the vital services they need to live are available.

Our team of engineers, planners, surveyors, GIS analysts, geologists, biologists and project managers are helping to improve communities across the country.

*Seward Generating Station
Various Projects
Seward, PA*





*Ebensburg Municipal Authority
Ebensburg WWTP Upgrade
Cambria County, PA*



*Shawville Power Plant
Ash Disposal Site
Clearfield, PA*



*Competitive Power Ventures (CPV)
CPV Fairview Energy Center
Vinco, Jackson Township, Cambria County, PA*



*Horizon Properties
Southpointe II Development
Washington County, PA*



*Demolition of Three Rivers Stadium
& Engineering Services for Heinz Field
Pittsburgh, PA*

“ We have been very happy with their work and would like to express our satisfaction with the services of L.R. Kimball. **We highly recommend them.**”

Richard McNulty
Council President, Borough of Franklin



Providing Environmental & Geotechnical Engineering, and Landscape Architecture Services

TRC Engineers, Inc. (TRC) is an infrastructure and environmental engineering services company employing more than 4,200 full-time staff in 101 offices nationwide. Our firm is respected for its ability to add value to projects of varying scope and complexity throughout the country. Locally, TRC through its legacy companies, has been providing professional services in West Virginia for over 30 years and we plan to continue our growth. Our office in **Charleston, WV** works collaboratively with regional offices located in Ohio, Pennsylvania, New Jersey and Maryland to collectively provide access to over 150 professionals serving environmental, geotechnical and landscape architecture projects. In West Virginia, TRC provides a comprehensive blend of services that include ecological and environmental services, geotechnical engineering, and landscape architecture. Our core values of Safety, Quality, Integrity, Creativity, Accountability, Teamwork and Passion are behaviors that each employee works to exemplify with each project. We work collaboratively across disciplines to leverage our diverse expertise to develop innovative technical solutions to meet your goals. Our formal Quality Management Program ensures our achievement of the West Virginia Department of Natural Resources' (WVDNR) quality and performance objectives through customized quality programs that are founded on corporate directives and incorporate project-specific quality requirements. TRC is committed to provide the WVDNR with responsive and effective services and believe that the staff presented below are well-qualified to meet your needs.

TRC's Environmental Services - with professional staff located in Charleston and other nearby regional offices, TRC is able to pull from over 60 ecological, environmental, landscape architecture, and archaeological professionals to assist on projects throughout the state. TRC has prepared hundreds of NEPA-compliant documents that evaluate potential impacts on the environment; consider various project alternatives; provide recommendations to avoid, minimize, and/or mitigate environmental impacts; and address comments raised by stakeholders, including federal, state, and local regulatory agencies, landowners, and the public at large. Our professionals apply a thorough understanding of federal, state, and local environmental regulations to help guide clients during early project conception, establish baseline surveys of natural resources and other sensitive environmental receptors, navigate the permitting process, verify contractor

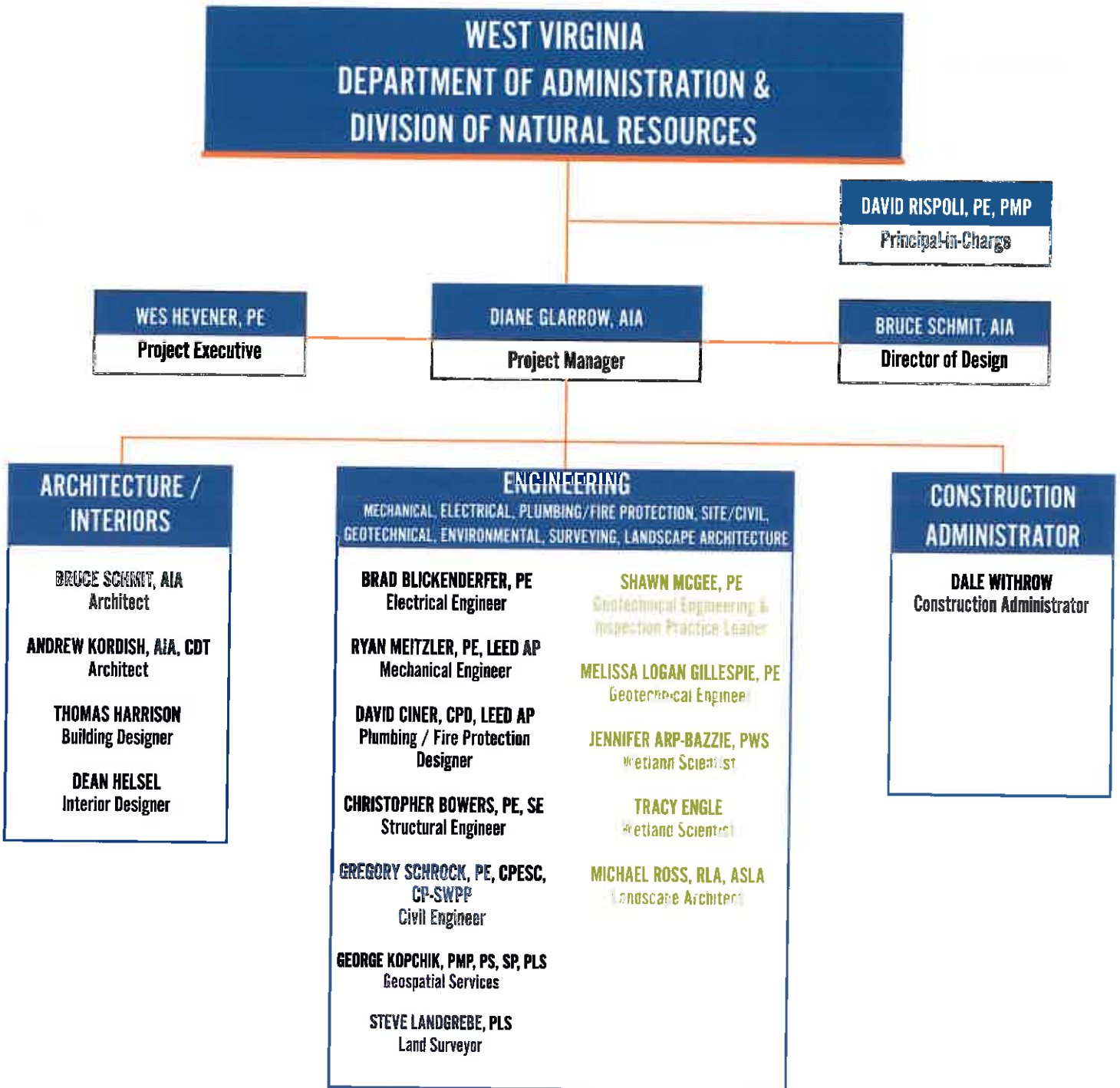
adherence to project environmental requirements during construction, and perform post-construction monitoring of long-term project impacts and the success of mitigation efforts.

TRC's Geotechnical and Geological Professionals - provide a "window to the underground" that helps clients take a proactive approach to project planning and design. Our experts analyze the physical and structural properties of soil and rock, then formulate an effective plan of action for you to successfully build on and within those materials. In support of this project, TRC can leverage the expertise of more than a dozen geotechnical and geologic professionals, many of whom possess advanced degrees in the geotechnical field. In support of our professional staff, we regionally operate sixteen (16) drill rigs that can mobilize in all types of land- and water-based situations, including navigable waterways, streams, mountainous terrain and marsh-like soils. Our soils and concrete laboratory is AASHTO/ASTM-accredited, while Instantel® seismographs and PAK Model Pile Driving Analyzers® facilitate our delivery of reliable vibration monitoring and pile dynamic analysis (PDA) as a compliment to our geotechnical engineering staff. During construction, field engineering technicians are available to provide oversight of the contractor's activities to ensure the proper implementation of recommendations in the field. Typical services include: foundation investigations design and construction phase testing, geotechnical site assessments, slope stability studies and remedial design, site stabilization and modification programs, and pavement analysis and design.

TRC's Landscape Architecture Services – provide professional experience, assistance, and guidance using a background that is broad and diverse in nature which allows for adaptation to a variety of projects, perform various tasks, and provide the ability to confidently address unknown and/or unforeseen challenges that may arise during the design phase of any project. Having a strong belief that the discipline of Landscape Architecture can play an important role and be an important component in any project, as the pure nature of the profession promotes collaboration between professionals and interacts with all aspects of the design process in some form or another, from conceptual design to construction document services, and thereby compliments the other disciplines and talents and what they contribute to the project, as a whole, for our clients.

STAFF QUALIFICATIONS

Organization Chart & Resumes



L.R. KIMBALL - PRIME

TRC



WESLEY HEVENER, PE

L.R. KIMBALL | PROJECT EXECUTIVE AND ENGINEER

Wesley is a Project Manager and Design Engineer with 18 years of experience in the design and development of transportation projects. Those projects have ranged from simple to complex in nature with project delivery methods varying from traditional Design-Bid-Build to Design-Build/P3.

Wesley's areas of expertise and project experience include:

- Project Management
- Construction Management
- Bridge Design and Rating
- Structure Design
- Bridge Inspection
- Tunnel Inspection
- Structural Analysis
- Transportation Design

YEARS OF EXPERIENCE

- 18 Years

EDUCATION

- MBA, West Virginia University, 2006
- MS, Civil Engineering, West Virginia University, 2003
- BS, Civil Engineering, West Virginia University, 2001

HIGHLIGHTED EXPERIENCE

- Experience with a variety of projects for various WV government agencies

REGISTRATIONS/ CERTIFICATIONS

- WV, Professional Engineer, 2008
- Registered Professional Engineer in 13 Other States
- eRailsafe System Badge
- SPRAT Level I Certification
- FHWA/NHI LRFD for Highway Bridge Superstructures – Steel, 2009, [REDACTED]
- FHWA/NHI Bridge Safety Inspection of In-Service Bridges, 2010 [REDACTED]
- FHWA/NHI Project No. DTFH61-06-D-00037 Integrated Bridge Project Delivery and Life Cycle Management, 2010
- FHWA/NHI Inspection and Maintenance of Ancillary Highway Structures, 2012 [REDACTED]
- FHWA/NHI Fracture Critical Techniques for Steel Bridges, 2013 [REDACTED]
- FHWA/NHI Bridge Safety Inspection Refresher, 2015 [REDACTED]
- ODOT AASHTOWare BrDR Seminar and Training, 2015
- FHWA/NHI Tunnel Safety Inspection, 2016 [REDACTED]
- FHWA/NHI Fundamentals of LRFR and Applications of LRFR for Bridge Superstructures, 2016 [REDACTED]

AFFILIATIONS

- American Council of Engineering Consultants (ACEC) - Director for Joint Transportation Committee
- West Virginia Chamber of Commerce
- West Virginians for Better Transportation

Wesley assists our team in the growth of our multi-discipline operations throughout West Virginia. His relevant project experience includes:

West Virginia Division of Highways, Marion County Visitor's Center - Marion County, WV*

- Design Engineer responsible for the shop drawing review of all structural components related to the project in addition to coordination of the other review for architectural, electrical, and ventilation drawings with responsible design personnel.

Charleston Riverfront Park Design - City of Charleston, Kanawha County, WV*

- Design Engineer to perform the coordination of the design of the retractable canopy foundations and design specifications. In addition, he served as the Engineer of Record for the conceptual structural drawing plans for the Design-Build contract. He also worked on the layout of the two retaining walls for the Overlook structure, including design and detailing, and performed the anchor bolt calculations to verify the design loads met defined bolt dimensions and configurations. Additionally, responsible for the design of the foundations and anchor bolts for the 18" diameter sign poles along the project and the coordination and completion of the US Army Corp of Engineers permit application for a proposed boat dock structure to be located within the Kanawha River.

West Virginia Turnpike Authority - Raleigh County, WV*

- Design Engineer responsible for the final design and plan layouts for two salt storage facility using reinforced concrete. Foundation, slab, and walls were analyzed and designed using ACI 318-02 and ASCE 7-02 Design principles for the design and analysis.

West Virginia Division of Highways, District 1 ID/IQ – Kanawha, Boone, and Mason Counties, WV

- Project Manager and Bridge Engineer responsible for the management of 5 bridge designs involving the initial layout, preliminary and final design and quality assurance of calculations for the Final Plans. He oversaw the environmental, bridge and roadway phases of the project to ensure the designs were in accordance with AASHTO and the WV Bridge Design Manual. The new single span bridges ranged from 50' to 78' in length with adjacent prestressed box beams and stub abutments. The project is currently in the final review stages and awaiting comments back from the WVDOH.

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



DAVID RISPOLI, PE

L.R. KIMBALL | PRINCIPAL-IN-CHARGE

David brings 32 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 a variety of project types including transportation, correctional, judicial, public safety, healthcare, conference/office, commercial, manufacturing, and educational facilities.

YEARS OF EXPERIENCE

- 32 Years

EDUCATION

- Associate, Architectural Engineering, The Pennsylvania State University, 1983
- BS, Const. Mgmt. and Struc. Eng., The Pennsylvania State University, 1985

HIGHLIGHTED EXPERIENCE

- Dave has worked on a variety of projects including offices, laboratories, and industrial facilities.

REGISTRATIONS/ CERTIFICATIONS

- WV, Professional Engineer, 1997
- Registered Professional Engineer in 8 Additional States
- Project Management Professional
- NCEES Certified

AFFILIATIONS

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

A partial listing of David's relevant project experience includes:

Sheetz Inc.

- Corporate Headquarters and Training Center, Claysburg, PA
- Renovations to Existing Corporate Offices (Four Buildings), Altoona, PA and Claysburg, PA

328, 329, and 330 Innovation Boulevard, Multi-Tenant Office Buildings, with Tenant Fit-Outs, State College, PA

Allegheny County Department of Public Works, County Office Building – Partial Second Floor Renovation, Pittsburgh, PA

Fluid Sealing International, New Manufacturing/Office Building in Cecil Township (Schematic Design), Washington County, PA

Genomind, Inc., New Office and Laboratory, King of Prussia, PA

Lancaster County, PA, New Forensic Center and Laboratory, Lancaster, PA

Mid-State Bank, New Banking Facility (Now M&T Bank), Altoona, PA

MolecularDx LLC, Assessment of Former Red Cross Building to Determine Feasibility of Purchase/Renovation, Johnstown, PA

Allegheny County Sanitary Authority, New Operations & Maintenance Facility, Pittsburgh, PA

BASF Corporation, Code Review Study of Building 18 and Assessment of Fire Separation Between Buildings 9 Through 29, Peekskill, NY

PA Department of General Services

- New PA State Police Headquarters and Shooting Range, Erie, PA
- New Armed Forces Reserve Center & Field Maintenance Shop, Williamsport, PA
- Pennsylvania Highlands Community College, Business Center Improvements / Workforce Education Center, Johnstown, PA



DIANE GLARROW, AIA

L.R. KIMBALL | PROJECT MANAGER

Diane brings sure and certain knowledge and over 35 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 offices, laboratories, and commercial facilities, will manage all technical aspects of your project and serve as the your primary point-of-contact.

Diane's relevant project experience includes:

YEARS OF EXPERIENCE

36 Years

EDUCATION

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

HIGHLIGHTED EXPERIENCE

Diane's relevant experience includes cutting edge office facility design while maintaining the client's overall budget and schedule.

REGISTRATIONS/ CERTIFICATIONS

WV, Registered Architect, 2012

Registered Architect in Six Additional States

AFFILIATION

American Institute of Architects

Sheetz Inc.

- Corporate Headquarters and Training Center, Claysburg, PA
- Renovations to Existing Corporate Offices (Four Buildings), Altoona, PA and Claysburg, PA

McLanahan Corporation, New Office Building Design, Hollidaysburg, PA

The Greater Johnstown Technology Park, Multi-Tenant Office Building, Johnstown, PA

219 West High Street - Conversion of Existing Two-Story Hardware Store into Leased Space and L.R. Kimball Training Center, Ebensburg, PA

California University Technology Park Hotel/WCRA, California, PA

Crown-Phynex, LLC, Preparation of Plans and Acquisition of Permits for Future Development at Meadow Crest Estates, Johnstown, PA

First Commonwealth Bank, Ebensburg Branch Office, Ebensburg, PA

Hyatt Hotel at the Pittsburgh International Airport, Pittsburgh, PA

Hyatt Hotel and Resorts, Pittsburgh, PA

- Restroom Renovations
- Restaurant Renovations (Schematic Design through Construction Documents)

North American Hoganas, Inc., Quality Assurance Lab/Office Renovation, Hollsopple, PA

Portage National Bank, Portage Branch Office Renovations, Portage, PA

Portage National Bank, Conversion of Existing Retail Building into Richland Branch Office, Johnstown, PA

Sara Lee Food and Beverage, Warehouse Renovation (Conceptual Layout), Rand, WV

Pennsylvania State University, New Engineering Research Building, State College, PA

Windber Research Institute, Laboratory and Multi-Tenant Office Building, Windber, PA

Rowan College at Burlington County, Renovations to 9 Buildings Across Two campuses: Mount Laurel and Mount Holly, NJ: Project types involved classrooms, large and small group spaces, offices, healthcare labs, student lounge, and a central energy plant addition.



BRUCE SCHMIT, AIA

L.R. KIMBALL | DIRECTOR OF DESIGN

Bruce has more than 25 years of increasing responsibility in marketing architectural services and directing the Planning and Design efforts for more than 10,000,000 SF spanning more than 100 projects on five continents and over 20 countries. Bruce's diverse portfolio includes office and commercial facilities, high-tech government research facilities, educational facilities, performance spaces, community buildings, and multi-family housing. Bruce also has experience with comprehensive master planning design. He has consistently generated efficient, thorough, and appropriate design solutions. His relevant project experience includes:

YEARS OF EXPERIENCE

- 25 Years

EDUCATION

- Master of Architecture, University of Pennsylvania, 1987
- Bachelor of Music Performance, Ball State University, 1973

HIGHLIGHTED EXPERIENCE

Bruce is committed to sustainable design and creating buildings and sites with a strong sense of place.

REGISTRATION

- PA, Registered Architect, 1991

ACADEMIC EXPERIENCE

- Assistant Professor of Architecture, Architecture / Planning and Urban Design; Drexel University (2008-2011), Temple University (2003-2008)
- Architectural Juror, Temple University, Drexel University, Philadelphia University, University of Pennsylvania, Ball State University, University of Colorado Denver

AFFILIATION

- American Institute of Architects

Las Vegas Project, (confidential), Las Vegas, NV*

- Co/Lead of a design team for a \$4.8 billion dollar, 9.6 million SF development located on the Las Vegas Strip – includes a casino, 5 hotels, shopping center, convention center and parking garages

E. I. DuPont de Nemours and Co., Glasgow, DE*

- Fermentation and Phyto-remediation Laboratories – 40,000 SF

National Institute of Standards and Technology, Gaithersburg, MD*

- National Advanced Chemical Sciences Laboratory – 200,000 SF

The Mentholatum Co., Buffalo, NY*

- New Facility for an O.T.C. Manufacturing Facility – 55,000 SF

Merck and Company Inc. , West Point, PA*

- Multi Science Laboratory Studies – 125,000 SF

Temple University, Philadelphia, PA*

- Student Center Addition including Facilities for Recreation, Dining, Meeting, and Offices – 120,000 SF

Camden Waterfront, Camden, NJ*

- Master Plan for a 12 square block "New Urbanism" housing/commercial project
- Preliminary architectural design of housing and commercial spaces for a 2 square block area.

EnV Denver / 1000 Speer, Denver, CO*

- 16 story tower with parking garage – 224 rental units – 405,500 SF

1101 North Delaware Avenue, Philadelphia, PA*

- Two 36 story condominium Towers integrated with a 750 car garage – 540 units, full amenities provided

Liberty Commons, 700 North Delaware Avenue, Philadelphia, PA*

- Two 40 story towers with adjacent parking garages – 700 units, full amenities provided

Bridge-View Tower, Delaware Avenue, Philadelphia, PA*

- Preliminary design for a 30 story condominium tower adjacent to the Benjamin Franklin Bridge – 120 units, full amenities provided

Cambria Hotel/Conference Center, Riverside, IA*

- Feasibility Studies for a 160 key Hotel/Conference Center with parking garage

Eckerd College Hotel/Conference Center, St. Petersburg, FL*

- Feasibility Studies for a 160 key Hotel/Conference Center with parking garage on the Eckerd College campus overlooking Tampa Bay

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



ANDREW KORDISH, AIA, CDT

L.R. KIMBALL | ARCHITECT

Andy brings 30 years of experience in architectural design, production, and construction documentation of buildings for a variety of project types. His recent experience including offices, research and industrial facilities. Andy utilizes AutoCAD and Revit software for the drafting and production of architectural drawings. He is also a Construction Documents Technologist and has extensive experience writing architectural specifications.

A partial listing of Andy's relevant project experience includes:

YEARS OF EXPERIENCE

30 Years

EDUCATION

Associate, Architectural Engineering Technology, The Pennsylvania State University, 1988

MILITARY EXPERIENCE

Sergeant E5, Marine Corps, 1987-1993

HIGHLIGHTED EXPERIENCE

Andy's recent experience includes a variety of project types including a recent office, research, maintenance and industrial facilities and work in West Virginia.

REGISTRATIONS/ CERTIFICATIONS

MD, Registered Architect, 2010
Construction Documents Technologist, 2012

Sheetz, Inc., New Corporate Headquarters & Training Center, Claysburg, PA

PA Turnpike Commission, Open-End Contract for A&E Services, Various, PA

- New Keggs Maintenance Facility, Manns Choice, PA
- New Logistics Warehouse/Jefferson Hills, Jefferson Hills Borough, PA

PA Department of General Services, Various, PA

- New State Police Headquarters, Garage, and Shooting Range, Erie County, PA

Essex Street Commons, Retail and Corporate Offices for Century 21 Construction and JMP Holdings, Lodi, NJ

Johnstown-Cambria County Airport Authority, Johnstown, PA

- Expansion and Finish of Equipment Storage Building

West High Street, Ebensburg, PA

- 201 West High Street, Conversion of Existing Two-Story Retail/Office Building into Office Space for Boy Scouts of America and Apartments
- 219 West High Street - Conversion of Existing Two-Story Hardware Store into Leased Space and Kimball Training Center

NPC, Inc., Feasibility Study for Passport Production Facility, Claysburg, PA

Logan Township Board of Supervisors, Altoona, PA

- Logan Township Municipal Building

West Virginia University, Health Sciences Center Renovation/ Addition, Morgantown, WV*

Department of Veterans Affairs, Various Projects across PA, MD, and WV, including Electrical Upgrades at the Louis A Johnson VA Medical Center in Clarksburg, WV*

State College Water Authority, Nixon-Kocher New Treatment Plant, Gwin Dobson & Foreman State College, PA

Somerset County, NJ, Senator Walter J. Kavanaugh Social Services Building, Somerville, NJ

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



THOMAS HARRISON

L.R. KIMBALL | SENIOR BUILDING DESIGNER

Tom brings over 30 years experience in architectural design, production, and construction documentation, and construction administration of buildings for a variety of project types. Tom also utilizes AutoCAD and Revit Software in the drafting and production of architectural drawings from the schematic design phase through construction documents. Tom has experience in the design of public safety, commercial, correctional, judicial, municipal, educational, residential, and recreational facilities. These project types encompass both new construction and renovations.

Tom's relevant project experience includes:

YEARS OF EXPERIENCE

• 31 Years

EDUCATION

• Associate, Architectural Engineering, The Pennsylvania State University, 1987

HIGHLIGHTED EXPERIENCE

• Tom's recent experience includes offices, laboratories, and industrial facilities. He also has experience working with WV government agencies.

PA Department of General Services, Various, PA

- New Armstrong County Maintenance Facility, Salt & Equipment Storage Buildings, and Site Development (Schematic Design), Kittanning, PA
- New PA State Police Headquarters and Shooting Range, Erie County, PA

PA Turnpike Commission, Open-End Contract for A&E Services, Various, PA

- New Kegg Maintenance Facility, Manns Choice, PA
- Design services for the staff memorial at the entrance plaza of the Central Administration Building, Harrisburg, PA
- Bowmansville Maintenance Feasibility Study, Bowmansville, PA
- Mon-Fayette Expressway, New Jefferson Hills Warehouse, Canonsburg, PA
- Central Archive Facility Work, Middletown, PA
- Mezzanine Load Capacity Structural Analysis at Three Maintenance Facilities in District 3 Various Locations, PA
- Harrisburg West Interchange, Back Up Traffic Operations Facility, Interior renovations to existing 1,000 square feet garage building, Harrisburg, PA

Genomind, Inc., New Office and Laboratory, King of Prussia, PA

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, South Park District 5 Warehouse, Pittsburgh, PA

201 West High Street - Conversion of Existing Two-Story Retail/Office Building into Office Space for Boy Scouts of America and Apartments, Ebensburg, PA

219 West High Street - Conversion of Existing Two-Story Hardware Store into Leased Space and L.R. Kimball Training Center, Ebensburg, PA

Chamber of Business and Industry of Centre County, Technology Center Expansion at Innovation Park, State College, PA

Edgar Snyder Law Offices (Renovations to Existing Retail Space), Ebensburg, PA

Mid-State Bank, New Banking Facility (Now M&T Bank), Altoona, PA

Windber Research Institute, Laboratory and Multi-Tenant Office Building, Windber, PA



DEAN HESEL

L.R. KIMBALL | SENIOR INTERIOR DESIGNER

With over 30 years of experience in the architectural field, Dean has experienced first-hand the “technological evolution” of CADD. Dean uses his depth of experience in BIM systems as a tool for producing architectural/interior design details. Using Revit and Lumion technology, Dean creates 3D finish schedules and digital color boards to bring our clients’ projects to life.

Dean has worked on various building types throughout his career including commercial, industrial, educational, sports, healthcare, public safety, judicial, governmental, correctional, and residential facilities.

Dean’s relevant project experience includes:

YEARS OF EXPERIENCE

- 31 Years

EDUCATION

- Associate, Interior Design, The Art Institute of Pittsburgh, 1987

HIGHLIGHTED EXPERIENCE

- Wide range of design experience with new building design including office, commercial, research, maintenance, and storage facilities
- Experience working with WV government agencies.
- Expert in BIM systems

Sheetz Inc.

- Corporate Headquarters and Training Center, Claysburg, PA
- Renovations to Existing Corporate Offices (Four Buildings), Altoona, PA and Claysburg, PA

PA Department of General Services, Various, PA

- New State Police Headquarters, Garage, and Shooting Range, Erie County, PA

Delaware Valley Intelligence Center and Emergency Operations Center, Philadelphia, PA

Cabell County Emergency Services Center, Huntington, WV

New Jersey Air National Guard, Communications/Security Forces Facility, Pomona, NJ

New Jersey State Police, Emergency Operations Center, West Trenton, NJ

Lockheed Martin, Owego, NY

- VH-71 Program Facility
- Phase IIA Conceptual Development of CSAR-X Building and Site

New Office of Emergency Management/911 Center and Health Department Building Complex, Hancock County, WV

Conversion of Existing Two-Story Hardware Store into Leased Office Space/Training Center, Ebensburg, PA

Allegheny County Sanitary Authority, Operations and Maintenance Facility, Pittsburgh, PA

Concurrent Technologies Corporation, High Bay Manufacturing Technology Facility, Johnstown, PA

McLanahan Corporation, New Office Building, Hollidaysburg, PA

Mid-State Bank, New Banking Facility (Now M&T Bank), Altoona, PA

National Telerehabilitation Service System Facility (NTSS), Johnstown, PA

The Greater Johnstown Technology Park Master Plan, Johnstown, PA

Windber Research Institute, Laboratory and Multi-Tenant Office Building, Windber, PA

Chester County Government Services Center, West Chester, PA

State College Municipal Building, State College, PA



BRAD BLICKENDERFER, PE

L.R. KIMBALL | SENIOR ELECTRICAL ENGINEER

Brad has 20 years of experience in the design of electrical, lighting, telecommunications, and security systems for various types of projects including office space, tenant fit-outs, and industrial facilities. His responsibilities include 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:

YEARS OF EXPERIENCE

- 20 Years

EDUCATION

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

HIGHLIGHTED EXPERIENCE

- Brad's recent experience includes various projects from new commercial office and research buildings to maintenance and storage facilities.

REGISTRATIONS/ CERTIFICATIONS

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

AFFILIATIONS

- Institute of Electrical and Electronics Engineers

Sheetz Inc.

- Corporate Headquarters and Training Center, Claysburg, PA
- Renovations to Existing Corporate Offices (Four Buildings), Altoona, PA and Claysburg, PA

Genomind, Inc., New Office and Laboratory, King of Prussia, PA

PA Department of General Services

- New PA State Police Headquarters and Shooting Range, Erie County, PA
- New Armstrong County Maintenance Facility, Salt and Equipment Storage Buildings and Site Development (Schematic Design), Kittanning, PA

PA Turnpike Commission, Open-End Contract for AGE Services, Various, PA

- New Kegg Maintenance Facility, Manns Choice, PA
- Bowmansville Maintenance Feasibility Study, Bowmansville, PA

Lehigh County Forensic Facility, Lehigh County, PA

Lancaster County, PA, New Forensic Center and Laboratory, Lancaster, PA

Bimbo Bakeries USA, Rand, WV

- Distribution Center Study

Hancock County, New Cumberland, WV

- New Office of Emergency Management/911 Center and Health Department Building Comple

Cambria County PMC Building, Ebensburg, PA*

- New Office Addition and Interior Renovations

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, Punxsutawney, PA*

- Complete Renovation to Existing Stryker Building

PA Department of General Services, Stryker Brigade Building – Bradford, Bradford, PA*

- Complete Renovation to Existing Stryker Building

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



RYAN MEITZLER, PE, LEED AP ID+C

L.R. KIMBALL | SENIOR MECHANICAL ENGINEER

Ryan has over 13 years of experience in the design of complex mechanical and plumbing systems for various types of projects including 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:

YEARS OF EXPERIENCE

- 13 Years

EDUCATION

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

HIGHLIGHTED EXPERIENCE

- Ryan's experience involves a variety of project types including complex data centers, offices, and maintenance facilities

REGISTRATIONS/ CERTIFICATIONS

- WV, Professional Engineer, 2017
- Registered Engineer in 8 Additional States
- LEED Accredited Professional Interior Design + Construction (LEED AP ID+C), 2013

AFFILIATIONS

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

PA Turnpike Commission, Open-End Contract for A&E Services, Various, PA

- Bowmansville Maintenance Feasibility Study and Design Services, Bowmansville, PA
- Central Archive Facility Work, Middletown, PA
- Harrisburg West Interchange, Back Up Traffic Operations Facility, Interior renovations to existing 1,000 square feet garage building, Harrisburg, PA
- Mon-Fayette Expressway, New Jefferson Hills Warehouse, Canonsburg, PA

PA Department of General Services, New PA State Police Headquarters and Shooting Range, Erie County, PA

Allegheny County Department of Public Works, South Park District 5 Warehouse Site Analysis, Pittsburgh, PA

State College Water Authority, New Treatment Facility, State College, PA, Gwin Dobson & Foreman

Toms River Regional Schools, Energy Savings Improvement Projects, Maser Consulting, Toms River, NJ

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.

Scitor HQ – Cyber Lab, Approximately 8,000 SF*

- Spaces consisted of closed offices, pantry, IT lab conference rooms and showcase server room. Coordinated design with vendor and tenant for incorporation of tenant provided IT equipment (IT racks with front and rear containment, in-row cooling, UPS, etc).

New 3-story building, approximately 137,000 SF, Built to Suit for a Government Agency, Sterling, VA*

- Designed as two separate projects, core & shell and tenant interiors, with two different architects. Mechanical design included six 75-Ton VAV RTUs for the typical floors as well as two small RTUs for the entry and loading dock areas.

CNA - Approximately 130,000 SF across 7 floors.*

- Tenant project designed before building construction began. Spaces consisted of open and closed offices, pantries, conferencing and training areas, IT rooms, data center and multiple SCIF spaces. Mechanical design consisted of a variable flow supplemental glycol system, multiple glycol-cooled AC units backed-up by a tenant generator. Acted as primary mechanical engineer and designed project in Revit.

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



DAVID CINER, CPD, LEED AP

L.R. KIMBALL | SENIOR PLUMBING / FIRE PROTECTION DESIGNER

With 40 years of experience in plumbing and fire protection design, Dave has been involved in a large variety of project types including offices, laboratories, and industrial facilities. He is involved in the design and preparation of working drawings for all types of plumbing/fire protection systems. His experience includes the preparation of plumbing and fire protection specifications, field surveys, and cost estimating of various building types. Dave's relevant project experience includes:

YEARS OF EXPERIENCE

40 Years

EDUCATION

- Associate, Drafting/Design Technology, Electronics Institute of Pittsburgh, 1972

HIGHLIGHTED EXPERIENCE

- Dave has worked on a variety of projects for government agencies, and industrial and manufacturing clients

CERTIFICATIONS

- Certified Plumbing Designer [CPD]
- LEED Accredited Professional

AFFILIATIONS

- American Society of Plumbing Engineers [ASPE]

328 Innovation Boulevard Shell Office Building, State College, PA

Allegheny County Sanitary Authority, Operations and Maintenance Facility, Pittsburgh, PA

Chamber of Business & Industry of Centre County, Technology Center Expansion at Innovation Park, State College, PA

Department of Environmental Protection

- California District Office Building, California, PA
- Southeast Regional Office Building, Norristown, PA

Genomind, Inc., New Office and Laboratory, King of Prussia, PA

The Greater Johnstown Technology Park, Multi-Tenant Office Building, Johnstown, PA

S & A Homes, Corporate Headquarters Facility, State College, PA

Sheetz, Inc., New Corporate Headquarters & Training Center, Claysburg, PA

Windber Research Institute, Laboratory and Multi-Tenant Office Building, Windber, PA

Concurrent Technologies Corporation, High Bay Manufacturing Technology Facility, Johnstown, PA

Laurel Technologies, Schematic Design Services for Manufacturing/Office Facility, Johnstown, PA

MeadWestvaco, Expansion of Envelope Manufacturing Facility, Williamsburg, PA

ORX Railway Corporation, Manufacturing Facility, Tipton, PA

PA Turnpike Commission, Open-End Contract for A&E Services, Various, PA

- New Kegg Maintenance Facility, Manns Choice, PA
- Bowmansville Maintenance Feasibility Study, Bowmansville, PA

PA Department of General Services

- New Armstrong County Maintenance Facility, Salt and Equipment Storage Buildings and Site Development (Schematic Design), Kittanning, PA
- New PA State Police Headquarters, Garage, and Shooting Range, Erie County, PA

New Logan Township Municipal Building, with Salt Storage and Vehicle Maintenance Garage, Altoona, PA

Yeager Airport, Charleston, WV

- Terminal Building Renovations/Expansion
- Rental Car Facility and Fueling Terminal



CHRISTOPHER BOWERS, PE, SE*

L.R. KIMBALL | SENIOR STRUCTURAL ENGINEER

Chris has over 18 years of experience as a Structural Engineer on a variety of projects including offices, 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.

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

- 18 Years

EDUCATION

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

HIGHLIGHTED EXPERIENCE

- Recent office/industrial/maintenance/storage facility design experience
- Experience working with Government agencies

REGISTRATIONS / CERTIFICATIONS

- WV, Professional Engineer, 2006
- Registered Engineer in 13 Additional States
- Illinois, Licensed Structural Engineer, 2010 [*Licensed Structural Engineer (SE) in IL and NE Only]
- Nebraska, Licensed Structural Engineer, 2014 [*Licensed Structural Engineer (SE) in IL and NE Only]
- California, Safety Assessment Program Evaluator, 2014

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 project experience includes:

Sheetz Inc., Corporate Headquarters and Training Center, Claysburg, PA

PA Department of General Services

- New Armstrong County Maintenance Facility, Salt & Equipment Storage Buildings, and Site Development (Schematic Design), Kittanning, PA
- New Armed Forces Reserve Center and Field Maintenance Shop, Williamsport, PA

PA Turnpike Commission, Open-End Contract for A&E Services, Various, PA

- Bowmansville Maintenance Facility, Bowmansville, PA
- Central Archive Facility Work, Middletown, PA

Hancock County, WV, New Office of Emergency Management/911 Center and Health Department Building Complex, New Cumberland, WV

328, 329, and 330 Innovation Boulevard, Multi-Tenant Office Buildings, State College, PA

Bimbo Bakeries USA, Distribution Center Study, Rand, WV

Concurrent Technologies Corporation, Structural Analysis of Mezzanine Floor Loading, Johnstown, PA

Department of Environmental Protection, Southeast Regional Office Building, Norristown, PA

The Greater Johnstown Technology Park, Johnstown, PA

- Multi-Tenant Office Building
- Tenant Fit-Out for General Services Administration

PA Department of General Services, Armed Forces Reserve Center and Field Maintenance Shop, Williamsport, PA

Tech Park Associates, Structural Analysis of IBM Office Building, Mechanicsburg, PA

Walsh Construction, Warehouse Building Relocation, Holtwood, PA

Windber Research Institute, Laboratory and Multi-Tenant Office Building, Windber, PA



GREGORY SCHROCK, PE, CPESC, CP-SWPPP L.R. KIMBALL | SENIOR CIVIL ENGINEER

Greg has over 25 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

- 25 Years

EDUCATION

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

HIGHLIGHTED EXPERIENCE

- Greg's experience involves the design of roadways, parking lots, site layout, stormwater management facilities and analysis, sanitary sewer systems, and water distribution systems; hydrologic and hydraulic analysis; preparation of contract documents; earthwork takeoff calculations; and cost estimates for state agencies and local agencies.

REGISTRATIONS / CERTIFICATIONS

- WV, Professional Engineer, 2006
- Registered Professional Engineer in 3 Additional States
- Qualified Preparer of Stormwater Pollution Prevention Plans, No. [REDACTED] Expires 1/10/19
- Certified Professional in Erosion and Sediment Control, No. [REDACTED] Expires 11/27/18

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:

PA Turnpike Commission, Open-End Contract for A&E Services, Various, PA

- New Kegg Maintenance Facility, Manns Choice, PA
- Bowmansville Maintenance Feasibility Study, Bowmansville, PA

PA Department of General Services, Various, PA

- New Armstrong County Maintenance Facility, Salt & Equipment Storage Buildings, and Site Development (Schematic Design), Kittanning, PA
- New Headquarters Facility, P&S/Garage and Crime Lab, Erie Headquarters, Summit Twp., Erie County, PA

Allegheny County Department of Public Works, Allegheny County, PA

- Hemlock County Wedding Pavilion

Hancock County WV Board of Commissioners, Hancock County, WV

- New Office of Emergency Management/911 Center and Health Department Building Complex(Schematic, Wetland Assessment, Surveying and Mapping)

Wal-Mart Stores, Inc., Bentonville, AK

- Charleston, WV Engineering Services
- Worked on over 47 separate Wal-Mart projects

Jemsite Development, LLC, Lawrence Township, PA

- Lowe's Home Improvement Store - Land Development

ECHO Real Estate Services Company, Various Sites, PA and OH

- Various Development Projects



GEORGE KOPCHIK

L.R. KIMBALL | GEOSPATIAL SERVICES

George's experience and education have provided him with the technical and management skills necessary for completing the most complex mapping projects. Over the past 35 years, George has had extensive experience in aerial photography, volume computations, digital orthophotos, GIS, and in producing topographic and planimetric maps. He is responsible for QA/QC activities including the checking and verification of planimetric and topographic maps, digital orthophotos, GIS projects, and stockpile inventories for numerous clients. Since joining L.R. Kimball, George has gained valuable knowledge in all phases of surveying, photogrammetric mapping, and GIS. He has been involved in planning, management, production, and delivery of many mapping projects undertaken by the firm. His knowledge, growth and diversity have moved him from his beginnings as a CAD Technician, to Project Manager, and then to Senior Project Manager. He served as an Assistant Operations Manager in the Geospatial Services Group and is currently the Director of Geospatial Services.

YEARS OF EXPERIENCE

- 35 Years

EDUCATION

- Associate, Computer Aided Drafting and Design, Pittsburgh Technical Institute

HIGHLIGHTED EXPERIENCE

- 35+ years of experience on hundreds of surveying & mapping projects of varying sizes & complexities

REGISTRATIONS / CERTIFICATIONS

- NC, Professional Land Surveyor, 1999,
- SC, Professional Land Surveyor, 2003,
- VA, Surveyor, 2010
- Photogrammetrist
- Certified Project Management Professional (PMP), [REDACTED] 4/10/18

In summary, George has served in areas of mapping sciences such as project management, division operations, financial reports, budgets and estimates, technical and cost proposals, marketing, digital orthophotography, ArcInfo, KORK, Atlas, and Intergraph software, GIS applications, planning, and database design concepts, photogrammetry, surveying, data conversion, and stockpile inventories. George is also experienced in Microsoft Office.

George is experienced in managing the geospatial components of aviation related projects that require AGIS program specifications in accordance with Advisory Circulars 150/5300 -16A, -17C, and -18B. A select list of his relevant experience includes:

PA Department of General Services, Various, PA

- New Headquarters Facility, P&S/Garage and Shooting Range, Erie Headquarters, Summit Twp., Erie County, PA

Fairmont Regional Airport, Fairmont, WV

- Surveying and mapping related efforts for the obstruction mapping and analysis project.

Various Survey and Mapping Projects

- For over 31 years, George has worked on literally hundreds of surveying and mapping projects of various sizes and complexities. He served as the Project Manager for major projects like the Allegheny Energy TrAIL Project that consisted of surveying and mapping for the construction of a transmission line crossing four states. Currently his primary responsibility is to oversee the operations of the Geospatial team but he also manages projects as needed.

PA Department of Environmental Protection

- Project Manager for photogrammetric mapping and survey of 35 AMD sites for the PADEP.

Carrie Furnace Redevelopment, Allegheny County, PA

Cambria County Final Design, SR 0022, Section 005, PADEP

- Aerial photography, surveying and mapping activities in support of the engineering necessary for improvements to the existing 2-3 lane section to 4-5 lanes with realignment where necessary



STEPHEN LANDGREBE, PLS L.R. KIMBALL | LAND SURVEYOR

Steve serves as a Senior Survey Party Chief with over 30 years of experience. He has been responsible for various aspects of survey field work, data reduction, and production of the required survey deliverables. His years of experience include horizontal and vertical control networks, geometry, boundary and ALTA/ACSM surveys, right of way surveys, erosion and sedimentation control relating to stakeout of silt fence, etc. along with utility surveying and construction inspection. Since joining L.R. Kimball, Steve has gained valuable knowledge in various phases of surveying relating to architectural, civil design, photogrammetric mapping, stockpile volumes, and GIS projects.

YEARS OF EXPERIENCE

- 32 Years

EDUCATION

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

HIGHLIGHTED EXPERIENCE

- Steve's experience involves a variety of project types including successful experience working for WV government agencies

REGISTRATIONS / CERTIFICATIONS

- WV, Professional Land Surveyor, 2017
- NY, Professional Land Surveyor, 1995
- TN, Professional Land Surveyor, 2009
- PA, Professional Land Surveyor, 2013

Steve's relevant project experience includes:

WV DOT Statewide Open-End

- Surveying to establish photo control and set monumentation for several aerial photography and surveying projects in West Virginia.

PA Department of General Services, Various, PA

- New Headquarters Facility, P&S/Garage and Crime Lab, Erie Headquarters, Summit Twp., Erie County, PA

Established reference circles and performed field surveying and office processing for the Thorn Run Interchange Improvement Project in Moon Township, Pittsburgh, PA.

CPV Fairview Power Plant, Vinco, PA

- 86 acre ALTA survey, established 5 permanent Class B Rod Marks, various property and boundary and easement surveys all relating to the property transfer and construction of a gas-fired generating station.

PADOT SR70/SR79 Interchange, Washington County, PA

- Surveying to establish photo control for photogrammetric base mapping. Re-established the existing horizontal and vertical geometry.

PA District 9 - SR 6219 Section 020

- As-built surveys and Kimberly Run Stream Relocation field surveying and office processing.

Lehigh-Northampton Airport Authority, Queen City AGIS Mapping (ALP Update; Obstruction Mapping and Removal), Allentown, PA

- Performed horizontal and vertical ground control network, runway centerline and profile surveys, planimetric detail surveying and field verification. Completed in accordance with the current FAA AC150-5300 -18B Airport GIS specifications.

Wal-Mart Stores, Inc., Kilbuck Wal-Mart Engineering Services, Kilbuck, Allegheny County, PA

- Performed field survey monitoring of numerous monuments throughout the site and processed GPS data collected to be updated in the monitoring report spreadsheets. CDI/L.R. Kimball provided design review, site monitoring, data collection, construction, and survey services to Wal-Mart Stores, Inc. following a significant landslide (1.5 million cubic yards) during the site grading of the River Pointe Plaza development. Immediately following the landslide, emergency efforts occurred to reopen SR 65 and the Norfolk and Southern railroad line. An extensive site monitoring program was established that included surface monitoring points, inclinometers, and piezometers. Data collected from the site was evaluated and a multi-phase construction plan was developed to stabilize the construction site.



Shawn McGee, PE
*Office Practice Leader,
Geotechnical Engineering and
Inspection*

Shawn McGee is a Senior Project Manager and Office Practice Leader for Geotechnical Engineering and Inspection Services. He has over 19 years of diverse experience in geotechnical and geoenvironmental engineering, beneficial use and materials management, and construction inspection and materials testing. He has performed numerous geotechnical subsurface explorations and forensic investigations across the Midwest and performed a diverse variety of analyses related to foundation and retaining wall design, slope stability analyses and landslide mitigation designs. His experience has focused on a wide-range of projects including dams and levees, sediment and dredged material management, infrastructure, road and bridge rehabilitation/construction, stream restoration, coastal revetment, brownfield redevelopment, beneficial use and materials recycling, wind turbines, solar arrays, marinas, commercial and residential structures, and waste disposal facilities. Mr. McGee's background includes extensive service to public and private-sector clientele including ODOT, Port of Cleveland, Cleveland Metroparks, American Electric Power, First Energy, Northeast Ohio Regional Sewer District, Wal-Mart, and JobsOhio. He has multiple publications, has lectured at universities and conferences and has worked to develop/update environmental regulations and policies.

CREDENTIALS

Education:

- M.S., Civil Engineering, University of Toledo, 2001
- B.S., Civil Engineering, University of Toledo, 1998

Professional Registrations/Certifications/Training:

- Professional Engineer, Ohio [REDACTED] 2004
- Professional Engineer, Pennsylvania [REDACTED] 2016
- Professional Engineer, West Virginia [REDACTED] 2016
- Mine Safety and Health Administration, Part 46 (Surface) and 48-B (Underground) Certification, 2018
- National Drilling Association, Subsurface Investigation Qualification Certification (NHI Course [REDACTED])
- Geosynthetics in Civil Engineering Applications, 2017
- ODOT Geotechnical Consultants Workshops, 2004-2018
- Ohio EPA Dredged Material Workshop, 2016
- American Coal Ash Association, Current Issues in Poned Coal Combustion Products, 2016
- Solutions for Ash Pond Closure, 2015
- Hess UBU Training, 2014
- SafeLand USA, 2014
- ODOT Classification Course for Geotechnical Logging of Soil and Rock Stratum, 2011
- Managing and Understanding Sediments in Your Watershed, 2011
- Geohazards in Transportation in the Appalachian Region, 2004
- Advances in Deep Foundations: Design, Construction, and Quality Control, 2004
- OSHA 1910.120, 40-hr Hazardous Materials Safety Course, 2000

EXPERIENCE

Professional Summary:

- 19 years of geotechnical engineering and construction inspection experience

Areas of Expertise:

- Shallow and Deep Foundation Design
- Dams, Levees, and Reservoirs
- Sediment Engineering and Dredged Material Management
- Slope Stability Analyses and Mitigation Design
- Coastal Engineering
- Earth Retaining Structures and Mechanically Reinforced Slope Design
- Beneficial Use and Materials/Waste Management
- Ground Improvement Techniques
- Installation and Monitoring of Geotechnical Instrumentation
- Construction Observation and Materials Testing Services



PROJECT EXPERIENCE

Ohio Department of Transportation, District 2, Proposed Lucas County Garage – Maumee, Lucas County, OH

Mr. McGee served as the Project Manager and Senior Geotechnical Engineer for the completion of a Preliminary Geotechnical Exploration for the proposed new Lucas County Garage located on Strayer Road in Maumee, Ohio. The purpose of this exploration was to obtain general geologic information to the depths of the borings, provide basic information relative to potential construction and development constraints, and provide basic information to assist others in preliminary designing and planning of the proposed garage. Mr. McGee coordinated the field exploration, developed a laboratory testing program, and performed an analysis so that recommendations and an allowable bearing capacity for a proposed foundation system could be presented.

Ohio Department of Transportation, District 2, Salt Shed at the Ottawa County Garage – Oak Harbor, Ottawa County, OH

Mr. McGee served as the Project Manager and Senior Geotechnical Engineer for the completion of a Geotechnical Exploration for a proposed salt shed replacement at the Ottawa County Garage located in Oak Harbor, Ohio. ODOT was proposing to replace the existing salt shed with a new structure at the same location at the site. The purpose of the exploration was to obtain general geologic information to the depths of the borings, provide geologic and subsurface information relative to planning for the potential construction and development, and provide basic information to assist others in designing and planning of the proposed salt shed. He developed recommendations and an allowable bearing capacity for strip and spread footings to support the structure.

Lake Erie Energy Development Corporation (LEEDCo), Geotechnical Exploration and Environmental Review for the Proposed Electrical Substation for the Icebreaker Offshore Wind Demonstration Project – Cleveland, Cuyahoga County, OH

Mr. McGee was the Senior Geotechnical Engineer for a Geotechnical Exploration and Environmental Review for the proposed electrical substation for the Icebreaker Offshore Wind Demonstration Project in Cleveland, Ohio. Geotechnical considerations were provided for a 138 kV Interconnect and Switchyard Electrical Substation, power poles, and horizontal directional drilling pits related to the installation of six 3.45 MW wind turbine generators (WTG) located 8 miles offshore from the former Cleveland Public Power Site and beyond the breakwaters. The purpose of the geotechnical exploration was to obtain geologic information and to determine relevant engineering properties of the Site soils to support in the design of the electrical substation and HDD entry pit. He also coordinated a geophysical exploration using Electromagnetic (EM) Induction profiling and targeted Ground-penetrating Radar (GPR) technology over targeted areas based on the proposed layout of the site to identify possible obstructions and determine historic fill consistency known to be present at the site. Mr. McGee developed a geotechnical subsurface exploration program based on the results of the Environmental Review and Geophysical Exploration to advance borings for the proposed switchyard area, 138 kV interconnect, and the HDD entry pit locations at the CCP Facility and the Port of Cleveland's CDF12.

City of Cleveland, Cuyahoga Valley Industrial Center – Cleveland, Cuyahoga County, OH

Mr. McGee was the Senior Geotechnical Engineer during various phases of geotechnical explorations and for the beneficial use of slag and dredged material from the Cleveland Harbor and Cuyahoga River at the Cuyahoga Valley Industrial Center in Cleveland, Ohio. The site is a former coke plant located along Interstate 77 and the Cuyahoga River and is situated in the industrial valley near downtown Cleveland. Mr. McGee provided geotechnical engineering support during the import of approximately 300,000 cubic yards of former dredged material from Confined Disposal Facility (CDF) 10B onto the site for the development of a commercial/industrial facility. Prior to import, Mr. McGee developed a geotechnical evaluation of different blends of the material with steel fine slag and prepared a Materials Management Plan that presented a process to identify anomalous materials from the source area and at the CVIC site placement area. He also coordinated the completion of subsurface explorations and geotechnical engineering assessment to bring infrastructure onto the site, for roadway improvements, and to confirm filling over a historic concrete box culvert at the site could be completed safely.

Ohio Department of Transportation, District 2, WOO-75-19.92-26.08, WOO-75-30.70-32.88, LUC-75-0.00-3.99, - Bowling Green, Wood County to Toledo, Lucas County, OH

Mr. McGee served as the Project Manager and Senior Geotechnical Engineer for the completion of Geotechnical Engineering services for the planned major rehabilitation and lane widening of approximately 12.3 miles of a portion of Interstate I-75 from Bowling Green, Wood County to Toledo, Lucas County, as part of a multi-year geotechnical task order with District 2. He coordinated a Geotechnical Red Flag Study for the purpose of identifying geotechnical concerns that could cause revisions to the anticipated design and construction scope of work, the proposed project development schedule, the estimated project budget, or the potential impacts of the project on the surrounding area. Of particular concern to geotechnical engineering, Mr. McGee considered features, such as suspected geologic hazards (e.g., organic soils, karst, rockfalls, landslides, surface and underground mines, poor subgrade conditions, or difficulty in correcting existing surface or subsurface drainage problems). He also coordinated the field exploration, which included drilling a total of over 250 borings, laboratory testing, and analysis. Based on the results of the field exploration and laboratory testing, he presented recommendations for subgrade preparation and stabilization procedures, as well as pavement design guidance. Due to lane closure restrictions along I-75, a majority of the borings had to be performed at night.



Melissa Logan Gillespie, PE
*Geotechnical Engineering
Department Manager*

Melissa Logan Gillespie, PE possesses over 20 years of experience in the field of geotechnical engineering for a wide range of project applications, such as low to high-rise residential developments and office complexes, multi-story parking facilities, industrial processing facilities, airports, mooring structures, municipal wastewater treatment facilities, port facilities, power generation and transmission projects, highways, and bridges. She currently manages budgets, schedule, invoicing, and engineering efforts associated with successful operation of TRC's East Coast Geotechnical Engineering practice. Her primary responsibilities include all phases of a project, such as proposal preparation, coordination and management of technical, staffing, and financial aspects of projects, supervision and mentoring of personnel, detailed engineering evaluations, preparation and peer review of reports and specifications, and consultation during construction. Specialized experience includes site stabilization, modeling and in-situ testing of pile and drilled pier foundations, design and installation of geotechnical instrumentation monitoring systems, and design evaluations related to earth retaining structures and reinforced soil slopes.

CREDENTIALS

Education:

- M.S., Civil Engineering, University of Texas - Austin, 1998
- B.S., Civil Engineering, Drexel University, 1996

Professional Registrations/Honors/Professional Affiliations:

- Professional Engineer, WV [REDACTED] Also registered in PA [REDACTED], VA [REDACTED], CT [REDACTED], LA [REDACTED], FL [REDACTED], OH [REDACTED], VT [REDACTED], and NH [REDACTED]
- ASCE Philadelphia Section Geotechnical Engineer of the Year, 2018
- Member, Board of Directors, ASCE Delaware Valley Geo-Institute (2005 – 2017)
- Member, Deep Foundations Institute
- Member, The International Association of Foundation Drilling

EXPERIENCE

Professional Summary:

- 20+ years of geotechnical engineering consulting experience

Areas of Expertise:

- Shallow and deep foundation design
- Earth retaining structures and reinforced soil slope design
- Slope stability evaluation and mitigation measures
- Settlement evaluation and mitigation measures
- Installation and monitoring of geotechnical instrumentation
- Deep foundation load testing
- Construction phase consultation
- Public-Private Partnership and Design-Build project delivery

PROJECT EXPERIENCE

Third Party Review of Geotechnical Engineering Reports – Various Locations Across the Continental United States

Ms. Gillespie managed and completed work assignments involving third party review of geotechnical engineering reports prepared by others for large retail stores to be constructed across the Continental United States. The review process is intended to ensure that geotechnical reports are prepared in accordance with the retailer's guidelines and in accordance with generally accepted practices within the field of geotechnical engineering.

Episcopal Cathedral Development - Philadelphia, PA

Geotechnical Project Manager for the design phase of this project which involved construction of a new 25-story residential and retail tower, and an adjacent 3-story office structure with parking. A renovation of the existing Episcopal Cathedral was also completed. TRC performed a full-scale geotechnical subsurface investigation and engineering design for the project which included test borings, installation of groundwater monitoring wells, and geotechnical engineering associated with the design of drilled shaft, mat and spread footing foundations; earthwork recommendations for cuts and fills; settlement analysis; groundwater control; and underpinning recommendations to stabilize the existing historic Cathedral structure. All of the geotechnical field work was completed without interruption to on-going cathedral operations or damage to the existing buildings or utility services.



Buckeye Pipeline Co. & Buckeye Partners, LP Facilities in PA, NJ and OH

Project engineer or Project Manager for multiple Buckeye sites in Pennsylvania, New Jersey and Ohio with regard to the construction at existing NGL facilities. Projects were initiated with the preparation, coordination and completion of geotechnical field investigations, including test boring layout, soil sampling and rock coring operations. At the Mantua, Ohio and Pittsburgh area facilities, Cone Penetration Testing was conducted as part of the subsurface investigation program in order to aid in characterization of deep alluvial soils encountered at these sites. Subsequent geotechnical analysis of the sites for the proposed construction included recommendations and designs for both shallow and deep foundation systems, including recommendations related to ground improvement alternatives (where applicable), suitability of soils for re-use, recommendations for earthwork and construction considerations. A summary of locations and basic summary of proposed construction, includes the following:

- **Mantua Station, Mantua, OH** – One (1) new storage tank, 48 ft high and 120 ft in diameter and manifold modifications.
- **Pittsburgh Station, Corapolis, PA** – One (1) new biodiesel tank, 60 ft in height and 110 ft in diameter supported on a pile-supported mat due to the presence of thick compressible soils overlying bedrock.
- **Bradley Road Terminal, Cleveland, OH** – New pumps founded on mat foundations in conjunction with nominal removal and replacement of existing fine grained soils; new electrical building supported on drilled shafts bearing in stiff cohesive soils at relatively shallow depths.
- **Linden Terminal, Linden, NJ** – Three (3) new biodiesel tanks, 56 ft in height and 140 ft in diameter supported on shallow foundations bearing on stiff natural soils.

Proposed Brooke County Power Site, Follansbee, WV

Senior Project Manager responsible for oversight, technical guidance/technical review for this proposed Combined Cycle Gas Turbine facility, to be constructed on a 17 acre site. Deep uncontrolled fills were anticipated and encountered in portions of the site. The objectives of TRC's scope of work for this project were to determine subsurface conditions at the project site, evaluate these conditions with respect to the proposed construction, and make recommendations with respect to: 1) general site preparation and suitability for construction of the proposed development; 2) foundation support alternatives and associated design recommendations for the various elements of the proposed construction; 3) estimated settlements and required subgrade improvements to minimize expected settlement within tolerable limits; 4) suitability of on-site material for use as structural fill as well as material specifications and compaction requirements for material to be used as structural fill; 5) ground water conditions and management thereof; and 6) seismic hazards and site classification.

Huntington, WV Tri-State Airport Access Road Retaining Wall / MALSR Road Slope Repair Projects, Huntington, WV

Ms. Gillespie served as the Senior Geotechnical Project Manager for the investigation, design and construction phases of two (2) landslide repair projects at the Huntington Tri-State Airport. Landslides had threatened the stability of both the main access road for the Huntington Tri-State Airport and also in an area located west of the main runway, which damaged the access road leading to the MALSR. TRC geotechnical engineers developed and oversaw the execution of the subsurface investigations, developed slope remediation/retaining wall recommendations for stabilization/repair of the slide areas, and also provided construction-phase inspection and consultation for both projects. Geotechnical recommendations related to foundation support for a new rental car was facility were also provided as part of the access road slide repair.

US Route 35 from WV 869 to North of County Route 40, Putnam and Mason Counties, WV

Ms. Gillespie is currently serving as TRC's Geotechnical Team Manager for this project, which consists of a new \$175 million four-lane section of U.S. Route 35 that will extend 14.6 miles (13.8 miles of actual construction, including four (4) bridges, six (6) access roads, and 52 culverts). Centerline cut depths along the mainline will range up to approximately 145 feet in rock, while fill embankment heights in excess of 200 feet are planned. TRC's geotechnical scope of work for this project involved: planning, execution and test boring inspection for subsurface exploration program, comprised of test borings in general accordance with AASHTO and WVDOH protocols to supplement the original borings performed for the bid-phase Geotechnical Report provided by the WVDOH; development of a comprehensive soil and rock laboratory testing program to supplement laboratory testing performed for the bid phase; evaluation and recommendation of design cross sections for all rock cut and fill sections along the main alignment based on requirements set forth by the Project Criteria as supplemented by WVDOH Design Directives 403 and 404; providing foundation recommendations for two (2) of the four (4) bridges associated with this project, as well as for all large diameter culverts and associated bridge/culvert wingwalls; analyses and recommendations related to the design of steepened geosynthetic reinforced soil slopes proposed at the bridge locations to be designed by TRC; evaluation of settlements for all mainline embankments; and recommendation of mitigation measures as necessary to meet settlement criteria as outlined in the Project Criteria. Construction phase geotechnical engineering support is ongoing.

Proposed Science Center Buildings at 3711 and 3737 Market Street - Philadelphia, PA

Geotechnical Engineer for Final Geotechnical Engineering studies for design of these multi-story buildings to include parking as well as retail, office and laboratory space. Performed an evaluation of subsurface conditions with consideration for subsurface investigation activities performed for this project as well as historical subsurface information available from adjacent project sites. Ms. Gillespie prepared design recommendations for the selected foundation system (drilled shafts) and provided engineering consulting during construction, including assessment of subsurface conditions encountered and evaluation and recommendation of appropriate adjustments to rock socket lengths based on actual conditions encountered.



Jennifer Arp-Bazzie, PWS
Ecological Project Manager

Jennifer Arp-Bazzie, PWS is a Professional Wetland Scientist as certified by the Society of Wetland Scientists. She has extensive experience in stream and wetland delineation and assessment, wildlife habitat assessment, threatened and endangered species assessment, ecological survey, and stream and wetland mitigation pre- and post-assessment. Ms. Arp-Bazzie has assisted in mist net bat surveys and bat portal surveys as well as mussel surveys. She has been involved in the preparation of environmental documentation including Categorical Exclusions, Environmental Assessments and section 4(f), noise analysis and abatement, ecological surveys, stream and wetland delineations, stream and wetland mitigation/monitoring assessments, and waterway permits. Ms. Arp-Bazzie has completed numerous federal and state permits including 404 Nationwide and Individual Permits, 401 Water Quality Certifications, NPDES Permits, Regional General Permits, and Isolated Wetland Permits. She has worked in both the private and public sector in the completion of environmental documentation and waterway permitting in Ohio, Illinois, Indiana, Iowa, Louisiana, Massachusetts, Nebraska, West Virginia, Wyoming, and Texas. She has experience preparing various levels of NEPA documents as required for specific projects.

CREDENTIALS

Education:

- M.S., Biology, University of North Carolina, Wilmington, 2003
- B.S., Biology, Ohio University, 1995

Professional Registrations/Certifications/Training:

- Professional Wetland Scientist [REDACTED]
- Qualitative Habitat Evaluation Index (QHEI) Training – OEPA, 2004
- Wetland Hydrology Design – Swamp School, 2015
- Wetland Construction and Restoration – Wetland Training Institute, 2009
- River Processes – Fluvial Geomorphology and Channel Processes – School of Engineering and Applied Sciences, University of Buffalo, 2007
- Stream Restoration – Functional Based Hydraulic Structure and Bioengineering Design – School of Engineering and Applied Sciences, University of Buffalo, 2007
- ODOT Ecological Survey Training, 2005, 2010, 2015
- ODOT Waterway Permits Training, 2005, 2010, 2015

EXPERIENCE

Professional Summary:

- 17 years of environmental consulting experience

Areas of Expertise:

- Surface Water Delineation
- Stream and Wetland Habitat Assessment
- Clean Water Act Permitting and Compliance
- NEPA Services

PROJECT EXPERIENCE

NEPA Services, WVDOH, Middleway Bridge Replacement, State Project T602-51-9.34 00, Federal Project STP-0051(047)D – Berkeley County, WV

Ms. Arp-Bazzie was the deputy project manager and ecological lead for NEPA services for the Middleway Bridge Replacement Project in Berkeley County, West Virginia. The proposed project is a replacement of the existing bridge carrying WV Route 51 over Opequon Creek located approximately one mile north of the town of Middleway, Jefferson County. During preliminary background research, the WVDOH determined there was a high potential for archaeological resources in the immediate vicinity of the bridge due to the reported existence of a potential mound feature at the bridge location. The purpose of the expanded survey area is to assist the bridge design team in identifying areas where there is potential for no or minimal impacts to potentially significant environmental resources. The proposed project consisted of a Categorical Exclusion (CE) for a bridge replacement.

FONSI Re-Evaluation, WVDOH, I-64 Six Lane Widening (Crooked Creek to Nitro), State Project U340-64-41.37 00, Federal Project NH-0641(318) – Putnam County, WV

Ms. Arp-Bazzie was the ecological lead for the FONSI Re-Evaluation for the I-64 Six Lane Widening Project in Putnam County, West Virginia. An Environmental Assessment (EA) determined that impacts from the project were not anticipated to be significant, which led to a Finding of No Significant Impact (FONSI) in November 2016. Since the November 2016 FONSI, the WVDOH has revised the project, affecting the footprint of approved project. Therefore, the proposed project was re-evaluated to determine if the proposed



changes would now result in a finding of significant impact. Subsequent environmental evaluation has been conducted since approval of the 2016 FONSI and those results were considered in conjunction with the changes to the proposed project. The project is currently being re-evaluated.

NEPA Services, WVDOH, Twin Branch Truss No. 1 and 2 Bridge Project, State Project S244-7-5.32 (2), Federal Project STP-0007(294)D – McDowell County, WV

TRC has been contracted to prepare the documentation necessary for NEPA compliance for the proposed Twin Branch Truss No. 1 and 2 Bridge projects in McDowell County, West Virginia. The WVDOH has determined that Twin Branch Truss No. 1, Twin Branch Truss No. 2, and the Twin Branch Tunnel are all in need of replacement, rehabilitation, or closure. TRC has initiated the preliminary environmental studies to determine the level of potential impact at the site and required documentation. The proposed project is anticipated to consist of Environmental Assessment (EA) due to potential environmental impacts at the project site.

Rickenbacker Advanced Global Logistics Center, Columbus Regional Airport Authority – Franklin County, OH

Ms. Arp-Bazzie was a team member for the identification of wetlands and other ecological resources for a proposed 1,300-acre Advanced Logistics Park. Ms. Arp-Bazzie assisted in the field identification and characterization of the aquatic, wetland, and endangered species resources associated with the proposed project as well as the recording of GPS points of wetland boundaries within the project area. In addition, she assisted in the field investigations of potential habitat within the proposed project area for the endangered Indiana bat. Woodlots within the project area were investigated to determine extent and type of suitable habitat. Results were coordinated with the USFWS.

Jurisdictional Determination Ecological Survey and Environmental Permitting, Private Developer – Preston County, WV

Ms. Arp-Bazzie was a team leader for the ecological assessment of a 55-acre proposed multi-use housing development in Preston County. She led the efforts for wetland and waterway field delineation and reporting, USACE coordination, and the project planning for the avoidance and minimization of impacts to wetlands and waterways identified on the site.

Waterway Delineation, Confidential Solar Client, Confidential Solar Site – Iredell County, NC

Ms. Arp-Bazzie was the team lead for a waterway delineation at the proposed ground mounted solar project at a 559-acre site in Iredell County, North Carolina. The purpose of the wetland and waterway delineation was to map all wetlands and surface waters regardless of jurisdictional status as well as other features such as, swales, ditches, gullies, etc. within the site in association with the development of a proposed commercial solar facility. Documentation of the wetland and waterway features was used for design and avoidance purposes, and the description of jurisdictional areas assisted in assessing regulated buffers and implementing setbacks (both required by state and the client's internal process). Following the delineation, Ms. Arp-Bazzie prepared the Wetlands and Waterbody Delineation Report.

Wetland Delineation/Agency Coordination, Private Developer – Summit County, OH

Team member to identify wetlands and other ecological resources on a 60+ acre site as part of a proposed residential development project. Ms. Arp-Bazzie was involved in delineating wetlands on-site, performing ORAM evaluations, and met with the regulatory agencies on-site to verify the wetland boundaries, jurisdictional status, and ORAM category verification. A Level Two Individual Isolated wetland permit application and a Pre-Activity Notice was submitted to the Ohio Environmental Protection Agency and a Pre-Construction Notification was submitted to the U.S. Army Corps of Engineers for unavoidable wetland impacts. This site is located within one mile of a capture site for the federally endangered Indiana bat. Potential bat trees were marked in the field and coordination with the USFWS was completed to get the trees removed from the site during the winter months when bats would not be using such habitat.

Jurisdictional Determination Ecological Survey, §404/401 Permitting, Coal Mining Industry – Barbour County, WV

Ms. Arp-Bazzie was a team member to identify wetlands and other ecological resources as well as the preparation of the §404 Individual Permit and §401 Water Quality Certification for an approximate 680-acre study area for a proposed deep mine complex and preparation plant with refuse impoundments, access roads, and freshwater impoundments in Barbour County, WV. She delineated stream habitat, delineated wetland boundaries, and determined potential adjacency, and completed pre-assessment mitigation for permittee responsible mitigation.

Jurisdictional Determination Ecological Survey, Natural Gas and Oil Industry – Harrison County, WV

Ms. Arp-Bazzie was the field leader to identify wetlands and other ecological resources for an approximate 42-acre gas well pad and impoundment areas in Harrison County, WV. Ms. Arp-Bazzie delineated stream habitat, delineated wetland boundaries, and determined potential adjacency, post construction as well as participated in multi-agency coordination with permit determination. Additionally, she was tasked with the coordination, design, and monitoring of permittee responsible mitigation.



Tracy L. Engle
*Office Practice Leader,
Ecological Services*

Tracy Engle is a Professional Wetland Scientist as certified by the Society of Wetland Scientists. He is experienced in all aspects of NEPA project development and management. Mr. Engle managed NEPA projects, which have followed FHWA/ODOT, FTA, FAA, FRA, USCG, USACE, USDOE, USDA, and HUD processes. Through his background as a field biologist, Mr. Engle has extensive involvement in wetland identification and delineation, stream assessment and habitat evaluation, wildlife habitat assessment, ecological surveys, habitat restoration, and permitting. He has extensive experience managing and conducting the full range of social, economic, and environmental investigations required for NEPA documentation, as well as preparing various levels of NEPA documents as required for the specific projects. He has managed and/or conducted required investigations for projects in OH, ME, MI, NY, NJ, WV, PA, WY, TX, NE, and FL.

CREDENTIALS

Education:

- M.S., Biology, John Carroll University, Cleveland, Ohio, 2003
- B.S., Natural Resource Management, The Ohio State Univ., Columbus, Ohio, 1994

Professional Registrations/Certifications/Training:

- Professional Wetland Scientist (PWS)
- ODOT Ecological Survey and Waterway Permits Training, October 2014
- ODOT Managing the Environmental Process Training, February 2012
- ODOT Section 4(f) and 6(f) Training, March 2012.

Awards/Publications:

- Engle, T.L. 2011. Rare, Threatened and Endangered Species: An Oil and Gas Perspective. Presented at Ohio Oil and Gas Association's Environmental Seminar.
- Engle, T.L., and J.R. Johansen. 2002. Does a Correlation between the Floristic Quality Index and Coefficients of Wetness Exist? Ohio Academy of Science Conference.
- Sherman, D.E., R.W. Kroll, and T. L. Engle. Flora of a diked and an Undiked south western Lake Erie Wetland. Ohio Journal of Science. Honored as Paper of the Year.

EXPERIENCE

Professional Summary:

- 25 years ecological and environmental project experience.
- NEPA project development experience following FHWA/ODOT/WVDOH, FTA, FAA, FRA, USCG, USACE, USDOE, USDA, and HUD environmental processes.
- Experience West Virginia, Ohio, Maine, Michigan, New York, New Jersey, Pennsylvania, Wyoming, Texas, Nebraska, and Florida.

Areas of Expertise:

- National Environmental Policy Act (NEPA) Project Development
- Section 404/401 Permitting
- Wetland and Terrestrial Ecology
- Environmental and Transportation Planning
- Waters of the US Training

PROJECT EXPERIENCE

Middleway Bridge Replacement NEPA Documentation, Berkeley and Jefferson Counties, WV (Ongoing) - Leading the preparation of NEPA documentation and associated studies for a replacement of the existing bridge carrying WV Route 51 over Opequon Creek approximately one mile north of the town of Middleway. The effort focuses on identifying the potential for no or minimal impacts to potentially significant environmental resources within a study area that encompasses an acreage of approximately 9.6 acres. The proposed project is anticipated to be cleared through a Categorical Exclusion (CE) document.



WV 10 Operational Improvements NEPA Documentation, Logan, Wyoming and Mercer Counties, WV (2018) - Led the completion of NEPA services associated with the design of operational improvements along 69 miles of WV. The project was completed on an expedited schedule due to a planned roadway bond sale and was divided into five (5) construction contracts with each contract cleared as a standalone Categorical Exclusion (CE) document. Proposed impacts were deemed minimal throughout most of the project, except at proposed historic bridge replacement areas which are to be coordinated under the Section 4(f) historic bridge replacement programmatic agreement.

US Army Corps of Engineers, Great Lakes Restoration Initiative – IDIQ, Buffalo District (Program Manager and Project Manager) - Mr. Engle managed a \$12 Million IDIQ contract for the US Army Corps of Engineers, Great Lakes Restoration Initiative. This five year task order contract included services for ecological restoration, environmental remediation, sediment management, sediment sampling, open-lake water quality sampling and flood risk reduction projects. Under this contract, he provided timely response to proposal requests and managed a diverse team of professionals to complete projects and meet project schedules. Mr. Engle and his team earned high performance ratings from the USACE for delivery of projects on-time and under budget.

Muskingum Watershed Conservancy District, Long-Term Dredge Management Plan – OH (Task Manager) - Served as task manager for development of Long Term Dredge Management Plan for MWCD's 16 reservoirs which were created for flood water retention. Due to long term siltation, the overall flood storage capacity of the lakes has been reduced. Team worked to develop a Long Term Dredge Management Plan which would serve as the overall program for dredging these reservoirs to restore flood capacity. In addition, leading the efforts to develop USACE and OEPA permit applications for the dredging and removal of up to 200,000 cubic yards of sediment from Tappan Lake, the first of the reservoirs in the system to undergo dredging through this program.

Northeast Ohio Regional Sewer District, West Creek Site Confluence Restoration – Independence, OH (Project Permitting Lead) - Project Permitting Lead responsible for regulatory agency coordination in association with the restoration of 1,000 lineal feet of the channelized West Creek and 5 acre of estuary wetland habitat at the confluence of the Cuyahoga River. For this effort, permitting and coordination was conducted with the U.S. Army Corps of Engineers, the Ohio EPA, and the U.S. Fish and Wildlife Service. The improvements create a variety of aquatic habitats which will increase the habitat diversity and dramatically increase the species diversity. This project was a Design-Build effort completed for the Northeast Ohio Regional Sewer District.

Ohio DNR, Edgewater Breakwater Repair – Cleveland, OH (Project Permitting Lead) - Project Permitting Lead for the Edgewater Marina Breakwater Reconstruction project with the ODNR. Due to storm damage created in 2012 as a result of Hurricane Sandy, the Edgewater Marina Breakwater suffered damage and as a result needed repaired. For this project a design is being undertaken to reconstruct the breakwater to pre-damage conditions during 2014 and will prepare design plans for further reconstruction in 2015. In addition, preparation of an US Army Corps of Engineering and ODNR Coastal Zone Permitting associated with the reconstruction of the Edgewater Marina is being completed in order to implement the 2014 construction activities.

Lake Metroparks, Pleasant Valley Park Floodplain Restoration Project – Willoughby Hills, OH (Project Permitting Lead) - Project Permitting Lead for restoration of a floodplain area and floodplain wetlands along a section of the Chagrin River within Pleasant Valley Park. This project will establish a floodplain wetland and forested vernal pools to help improve the water quality of the Chagrin River while not impacting the 100 year flood limits.



Michael J. Ross RLA ASLA
Landscape Architect

Michael J. Ross RLA ASLA is a registered Landscape Architect and has more than 23 years of experience in the profession of Landscape Architecture. His background is diversified, encompassing the wide variety of responsibilities incorporated into this field. He has a working knowledge and understanding of land development and construction document production.

This primary focus involves a range of responsibilities including but not limited to:

- Site analysis, field scoping views, and formal survey requests
- Due Diligence Reports
- Conceptual Design and Exhibit Presentations with Client.
- Prime and/or Sub-consultant interaction
- Initial utility coordination
- Preliminary/Pre-Final coordination and design of Land Development Plan Sets
- Production of Specification Packages
- Project quantities and cost estimates
- Final project coordination and design of Land Development and Construction Document Plan Sets
- All aspects of Permitting Approvals including: E&S/NPDES, HOP, PHMC, Zoning, Planning, and SALDO
- Upfront Bid Document preparation
- Review and Approval of contractor submittals.
- Site inspection and final approval.

CREDENTIALS

Education

- B.S., Landscape Architecture, The Pennsylvania State Univ., University Park, PA, 1995

Professional Registrations/Certifications/Training:

- Pennsylvania Registered Landscape Architect License No. [REDACTED]
- West Virginia Registered Landscape Architect License No. [REDACTED]
- Colorado Registered Landscape Architect License No. [REDACTED]

Memberships/Associations:

- American Society of Landscape Architects (ASLA)
- Counsel of Landscape Architectural Registration Boards (CLARB)

EXPERIENCE

Professional Summary: Over 23 years

Areas of Expertise:

- All aspects of the Land Development Submission process
- Civil Site Plan Development
- Site Analysis, Field Scoping Views, and Formal Survey Requests
- Due Diligence Reports and Utility Coordination
- Conceptual Design and Exhibit Presentations for Client
- Prime and/or Sub-Consultant Interaction and Consultation
- LEED Certified and Sustainable project site design
- Master planning, Estate planning, and Streetscaping
- Hardscape and Planting design/implementation
- All aspects of Permitting Approvals including: E&S/NPDES, HOP, PHMC, Zoning, Planning, and SALDO
- Design/build implementation and processes and Phased planning/design
- Estimating project quantities and costs relating to construction materials and labor
- Project management and coordination with general and/or subcontractors throughout the construction process
- Final project completion, site inspections and approval
- Program Manager for project site Visual Simulation Efforts
- Conservation, Reforestation, and Afforestation Efforts



PROJECT EXPERIENCE

Reforestation/Afforestation Efforts, Charles County, MD - Project Landscape Architect in the overall coordination and design for site remediation, reforestation, and afforestation efforts for a 17-acre project site. Tasks included coordination with Client, Project Management, and Environmental Team. Recommend the implementation of specific tree plantings according to Maryland Department of Natural Resources, Charles County, and FERC regulatory agencies. Generate Landscape Plans, appropriate Details, Planting Schedules, Planting Calculations, and Landscaping Notes for FERC approval. Coordinate and Assist Pm and team with RFP, Pre-Bid, and project site inspection needs.

Tree Replacement and Estimates of Probable Costs, Washingtonville, NY - Project Landscape Architect in the overall coordination and presentation of Analysis Report and Estimates of Probable Costs for tree replacements on project site. Tasks included coordination with Client, Project Management, and Environmental Team to provide/generate a descriptive Analysis Report identifying cost values assigned to existing woodland forest to be cleared and removed. Additional tasks include: evaluating tree survey data, utilizing GIS and LiDAR capabilities to assume existing tree canopy coverage, providing/assigning/calculating tree costs and labor rates, and generating a report for public presentation.

Site Restoration, Burlington/Gloucester Counties, NJ - Project Landscape Architect in the overall coordination and design for site remediation and exit strategy efforts of a 19-acre contaminated site. Tasks included coordination with environmental and engineering design teams. Recommending the implementation of specific BMPs. Generating Landscape Plans, appropriate Details, Planting Schedules, and Landscaping Notes for NJ DEP permit approval.

Eight Point Wind Turbine Farm, Steuben County, NY - Panel member participant for a Visual Impact Assessment of a Wind Energy Center located in southcentral New York State. Tasks included strong coordination efforts with Project Management and strong participation efforts in the visualization assessment and rating system required by the NY State **Article 10 Permit Approval Process**.

LeTort Regional Authority Trail and Urban Greenway Feasibility Study, Cumberland County, PA - Project Landscape Architect assisting in the overall coordination, design, and layout of a trail and urban greenway system within four local municipalities in Cumberland County that would stem from the internationally famous trout stream- The LeTort Spring Run. Overall coordination and design of Conceptual Construction Documents used by the LeTort Regional Authority for presentation and submission to obtain various grant funding opportunities. Tasks included coordination with local and state government agencies including PENNDOT, The Pennsylvania Turnpike Commission, Cumberland County Planning Commission, DEP, and DCNR. Participation in numerous public meetings and presentations. GPS data collection to station the trail alignments. Proposed various BMP solutions throughout the Trail and Urban Greenway. Generating Study Maps, Section Elevations, Details and Cost Estimates, and Construction Documents to submit to the LeTort Regional Authority.

PA DCNR Hick's Run Elk Viewing Site, Cameron County, PA - Project manager/designer in the overall coordination and design of one in a series of elk/wildlife viewing sites that were incorporated into the overall Pennsylvania Wilds Program.

PA DCNR Skippack Golf Course Parking Lot Renovations, Montgomery County, PA - Project manager/designer in the overall coordination and design renovation of a 108-space parking lot. Numerous BMP design elements played a significant role in the NPDES Permit approval process.

PA DCNR Pine Creek Rail Trail Phase IV, Tioga County, PA - Project manager/designer in the overall coordination and design of the final phase of a 57.8-mile rail trail. The trail runs through the Pennsylvania Grand Canyon and is rated by USA TODAY as one of the top 10 places to take a bike tour.

PA DCNR Lehigh George Park Improvements, Luzerne and Carbon Counties, PA - Project Coordinator and Representative for DCNR, acting as the primary point of contact for the Consultant in advising and assisting in the overall design process for park improvements including a new vehicular access, white water boat launch areas, and a main street bicycle/pedestrian route.

PA DCNR Presque Isle Site layout for Amphitheater structure, Erie County, PA - Project manager/designer in the overall design and coordination of the site layout and design of a new amphitheater at the Tom Ridge Education Center.

PA DCNR Lackawanna State Park Office Addition, Lackawanna County, PA - Project Landscape designer in the overall coordination and site design/layout of a park office addition. Design elements incorporated to meet LEED Certification goals.

PA DCNR Hyner Run/View State Park, Clinton County, PA - Project manager/designer for Phase II which involved the rehab of approximately 7 miles of state park road.

OTHER RELATED EXPERIENCE

Include: Master planning, Estate planning, Hardscape and Planting design/implementation, and phased planning/design. Most of my projects involved design/build implementation and processes and was primarily focused within upper-end residential sites. I oversaw the implementation of all aspects of his projects: Beginning with client interaction and conceptual design processes, estimating project quantities and costs relating to construction materials and labor, project management and coordination with general and/or subcontractors throughout the construction process, to final project completion and site inspections and approval. A primary emphasis of design/build construction and hardscape implementation was a significant part of my overall performance skills.



DALE WITHROW

L.R. KIMBALL | CONSTRUCTION ADMINISTRATOR

Dale's experience ranges from Drafting and Facility Planning to Project Management and Construction Administration. His experience also spans many project types including hotels, government facilities and correctional institutions, as well as commercial, educational, and healthcare facilities.

Dale has supervised and managed design projects for interdisciplinary coordination, and he served as designer and chief detailer of architectural projects, provided construction administration and observation, and developed client relationships. Of special note, Dale served as project manager, chief designer and member of prototype development on over 38 national drug chain stores and 5 national chain grocery stores.

YEARS OF EXPERIENCE

- 40 Years

EDUCATION

- West Virginia Institute of Technology, Associate in Science Degree, Drafting Design - Engineering Technology, 1976
- West Virginia State College, Courses in Building Construction Technology

HIGHLIGHTED EXPERIENCE

- Dale has been involved in design, management, and construction observation for 40 years.

HONORS / AWARDS

- Pennsylvania Association of Environmental Professionals (PAEP) - Board of Directors 06 & 07, Office of Secretary
- Superintendent's Award for Job Excellence, Kanawha Co. Schools - 1982
- Volunteer of the Year, Charleston Domestic Violence Center, 1984
- Employee of the Month, Chapman Technical Group-February 2001
- Employee Recognition, Chapman Technical Group-February/March 2006
- Employee of the Year, Chapman Technical Group - 2006
- Manager of Design Team that was awarded the "AIA Honor Award for Excellence in Architecture-2008" for the Upshur County Courthouse Renovations
- Manager of Design Team that was awarded the "AIA Merit Award for Excellence in Architecture-2009" for the I-79 Rest Areas

Dale's relevant project experience includes:

- Performed design and drafting for residences and light commercial buildings. Worked as a contract drafter and designer for architectural and engineering firms in need of temporary staffing. Projects ranged from private residences to VA Hospital additions. Educational projects included new East and West Carter County (Ky.) Middle Schools. Provided services to 3 major architectural firms and one national engineering firm. Managed and maintained 9 residential rental units.
- Grew forward contracts from \$23,500 first year to an average of \$475,000 per year, with a high of over a million dollars. Worked with clients as needed to procure funding and meet the requirements of funding agencies such as for the Marlinton Train Depot Rebuild and the new 13,000 square foot Community Center for the Pocahontas County Parks and Recreation Board. Historically, under Dale's management, even renovation and rehab projects had a change order rate of less than two per cent (2%) of construction costs. Budgeting success resulted in a 97% of all projects being within or under projected budget.
- Provided drafting and design for various projects including VA Medical Centers, hotels, government facilities, and correctional facilities as well as miscellaneous General Services projects on both state and federal level. Provided complete design and drafting services for client residences and projects as "good will" for the firm under separate contract as AFAB Services.
- Worked as a drafter and drafting room manager monitoring productivity and progress. Performed building and fire code review; construction administration and reported to owner and clients. Projects ranged from commercial offices to light industrial plants and headquarters.
- While with Kanawha County Schools Dale worked with the various schools and facilities to evaluate, plan, and design projects ranging from minor renovations to building additions. Worked with the Maintenance Operations to assist with planning in-house renovations and construction. Reviewed plans of Project Architects for compliance to the building program and Comprehensive Facilities Plan. Worked with consultants to provide information and review for the new CEFP. Provided construction administration and inspection of building projects and reported to the school board.

SIMILAR PROJECTS

As you'll see in the following pages, our team has recent and relevant experience to address all potential aspects of your project including:

- New Construction
- Offices
- Laboratory Space
- Storage
- Shop Space

Our team is ready to provide the West Virginia Division of Natural Resources with full-service architecture and engineering design and construction administration services.



PA Department of Environmental Protection, New Office Building, Ebensburg, PA
Designed by L.R. Kimball

SHEETZ CORPORATION

NEW OPERATIONS & TRAINING FACILITY CLAYSBURG, PA

The new Operations & Training Center, approximately 115,000 square feet in area, is located in the Sheetz Office Complex across Sheetz Way from the existing Sheetz Distribution Center in Greenfield Township, Blair County, PA. The building is a four-story, steel frame office building which will house offices, large meeting rooms, conference rooms, a learning center, training kitchen, main kitchen, and dining room.

The building design incorporates sustainable design elements throughout. The exterior wall is constructed of metal stud framing over which an exterior insulation system is installed to eliminate thermal bridging. The skin of the building consists of fiber cement architectural wall panels, natural stone veneer, and aluminum curtain wall. The main roof is a standing seam metal roof with large overhangs and gutters and downspouts.

The building is organized so that the first floor contains the "public" areas- meeting rooms, a learning center, kitchens, and a dining room are located here. A data center and mechanical and electrical rooms are also located on this floor along with a loading dock and receiving area at one end of the building. A partial floor called the "Mezzanine" contains offices and unfinished space for future expansion. This floor is also designed to allow for expansion into a future addition which would be constructed above the first floor kitchen.



"This building is phenomenal, we are so happy to add it to what we can now call a campus," said President and CEO Joe Sheetz at the ribbon-cutting event. "We wanted a building that was modern and has longevity to it, and we wanted something that was collaborative and open. The idea of what a workplace should look like has changed. You need a lot of energy and light, that is what members of today's workforce want and demand."

Source: <https://www.espn.com/news/story/news/sheetz-opens-new-operations-support-center>

KEY FEATURES

- Cutting edge office design
- Sustainable design features
- Modern, Collaborative spaces to engage employees

PROJECT COMPLETION 2018

TOTAL SQUARE FOOTAGE 115,000 SF (New Construction)

The second and third floors contain offices generally constructed of glazed and solid architectural wall panels which can be easily reconfigured, allowing for flexibility and future modification. Common rooms such as conference rooms, print rooms, and break rooms are conveniently located on each floor.

A dramatic four-story atrium connects all four floors on the South-facing side of the building by way of a monumental stair which bridges above the atrium floor to connect with lounge/meeting spaces on each floor. A large covered patio extending the length of the atrium can be accessed through several doors in the glass curtainwall.

The dining room is a one-story element connected to the first floor by the atrium. It is designed with exposed heavy timber columns and trusses with a natural stone gas-burning fireplace at one end. A partially covered patio extends the dining space to the outdoors where a stone-faced wood burning fireplace shares the stone chimney structure of the dining room.



INNOVATION CAPITAL PARTNERS

THREE NEW, MULTI-TENANT OFFICE BUILDINGS STATE COLLEGE, PA

328 Innovation Boulevard Shell Office Buildings & Tenant Fit-Outs

L.R. Kimball provided complete architectural and engineering design services to Innovation Capital Partners for a new multi-tenant office facility located at 328 Innovation Boulevard in Innovation Park at The Pennsylvania State University.

The three-story office building has a first floor footprint of 24,638 square feet and total square footage of 73,914 square feet. The exterior of the building consists of brick veneer, punch windows, and curtainwalls. The building has an open floor plan with raised access flooring and a below-floor plenum mechanical system and center support core.

Tenants of the facility include The Pennsylvania State University College of Earth and Mineral Sciences (office and classroom space), L.R. Kimball (professional office space), the National Weather Service River and Weather Center of the Mid-Atlantic Area, and Paradise Datacom (satellite receiver and transmitter integrator). Professional office space was also provided for several additional tenants.



329 Innovation Boulevard, Multi-Tenant Office Building

L.R. Kimball designed and constructed the new shell office building containing roughly 22,000 rentable square feet of office space on each of the four floors, for a total of approximately 88,000 rentable square feet.

This project was delayed at the beginning as we went through different building options in order to evaluate the cost of site construction. After the building location was finalized, the owner requested that we add a fourth floor to the building. After those two issues were resolved, the project continued to run smoothly through final construction. We continued to meet with the client on a regular basis.

Although LEED® Certification was not a goal for this project, sustainable aspects of the project includes natural daylighting, energy efficiency, and low VOC products.

KEY FEATURES

- A&E design services for three new office buildings
- Tenant fit-outs for several clients, including our own State College office
- LEED / Sustainable Design Features

PROJECT COMPLETION

328 Innovation: 2005; 329 Innovation: 2009; 330 Innovation: 2008

TOTAL SQUARE FOOTAGE

328 Innovation: 73,914 SF; 329 Innovation: 88,000 SF;
330 Innovation: 60,000 SF



330 Innovation Boulevard, Multi-Tenant Office Building

This project consisted of approximately 60,000 rentable square feet of Business and Light Manufacturing tenant space with a building and site construction cost of \$5.8 million. The building was configured as a rectangle with a central core/main entrance and egress stair towers at opposite ends of the building. To provide for maximum tenant flexibility and configuration, an additional third enclosed stairway was planned for the central core. This additional exit provides the ability for any combination of tenants to occupy a floor as each has the code required access to two means of egress.



ORX RAILWAY CORPORATION BUSINESS & MANUFACTURING ADDITION TIPTON, PA

L.R. Kimball designed a 70,000 square foot office/warehouse addition for ORX Railway Corporation in Tipton, PA. The office area includes locker rooms, conference rooms, lunch room, reception area as well as the offices. These areas are spread out on two floors at the entrance to the new portion of the building.

The shop/warehouse area includes a receiving area, shop offices, and two overhead cranes for moving the material inside the building. The building was designed to match the existing facility as closely as possible.



“The design of the building and its functionality are everything I hoped they would be, and I am a very, very, very particular person. Everything about its design is just perfect. The architecture itself is a work of art. It is with the very highest rating that I unconditionally recommend them for any such project. Just one warning though, they get things done with lightning speed.”

Glenn Brandimarte, President
ORX Railway Corporation

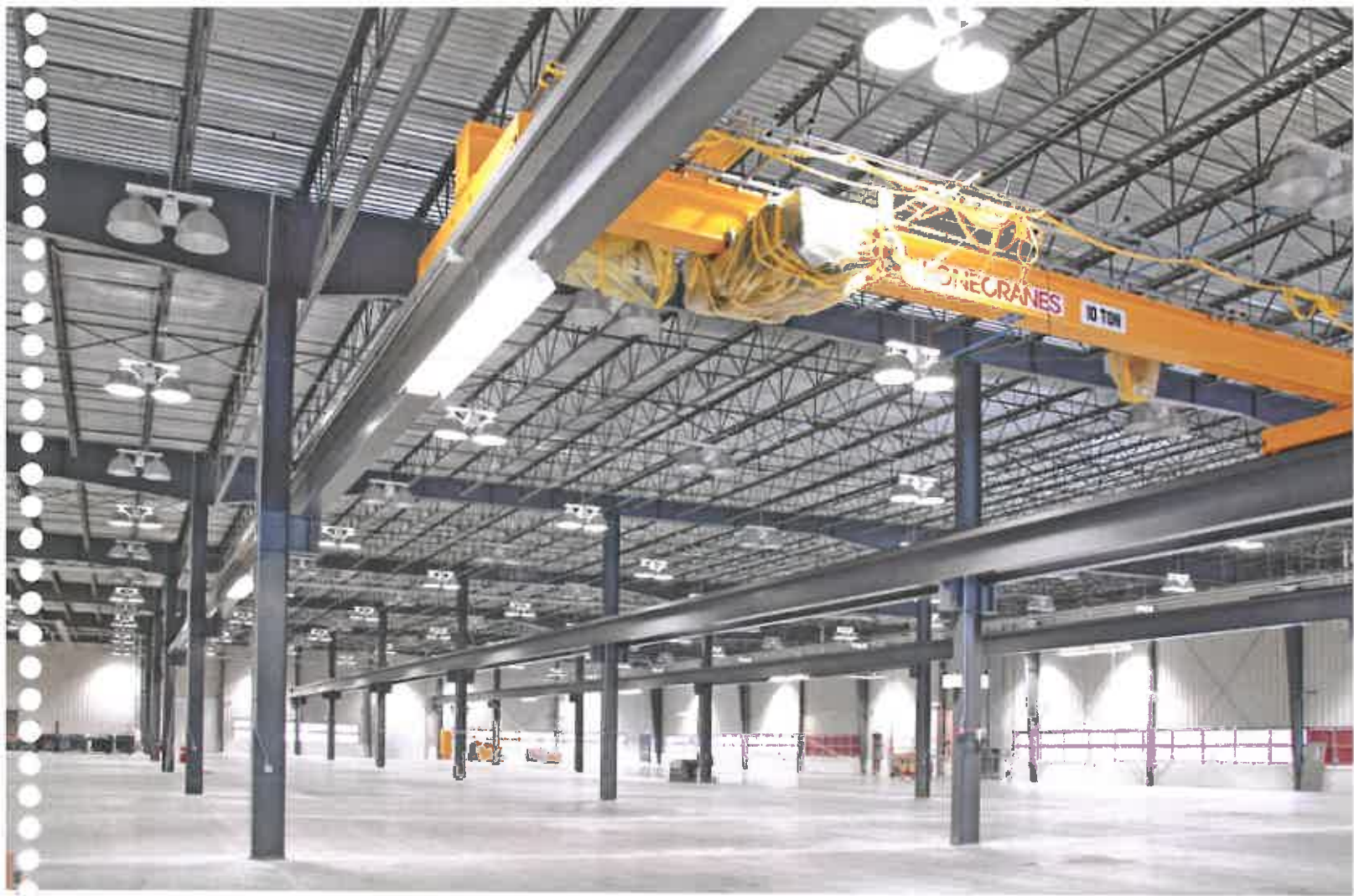
KEY FEATURES

- Warehouse, Manufacturing, Office components
- Addition was designed to match the existing facility
- Completed on time and on budget
- No change orders

PROJECT COMPLETION 2008

TOTAL SQUARE FOOTAGE

60,000 SF (Industrial Space);
10,000 SF (Office space addition)



MCLANAHAN CORPORATION

DESIGN SERVICES FOR A NEW CORPORATE HEADQUARTERS, HOLLIDAYSBURG, PA

McLanahan Corporation is one of the oldest family-owned businesses in the country operating for over 175 years in Hollidaysburg, Pennsylvania. We worked directly with Sean McLanahan who represents the sixth generation of family in ownership and management.

L.R. Kimball provided full professional services for a multi-story corporate headquarters office building located at the existing manufacturing campus in Hollidaysburg. The new four-story building was intended to house approximately 50,000 square feet for over 200 employees. The program included private offices and workstations for corporate services (human resources, Accounting, information technology, etc.), sales, management, and several distinct engineering divisions, as well as an in-house cafeteria, numerous conference rooms, and a board room.

The project site encompassed an industrial-zoned city block that was to include a new entrance gateway, open green space, new parking lots, sidewalks, and delivery service access road in the rear of the building. Sustainable design features were planned for resource conservation, energy efficiency, quality indoor air, and natural light and ventilation.

L.R. Kimball provided planning and design services through construction documents when the Client put this project on hold and eventually cancelled due to economic reasons.



KEY FEATURES

- Design services for a multi-story office building for a manufacturing company
- Sustainable design features

PROJECT COMPLETION N/A

TOTAL SQUARE FOOTAGE 50,000 SF



THE GREATER JOHNSTOWN TECH PARK, LLC

GREATER JOHNSTOWN TECHNOLOGY PARK, MULTI-TENANT OFFICE BUILDING & RIVERWALK

Building Design

The Greater Johnstown Technology Park is situated on a 5.8-acre site in Johnstown, PA adjacent to the Stonycreek River between Napoleon and Franklin Streets on what was originally the site of the old Sani-Dairy complex. Locating the building along the Stonycreek River provides 360-degree viewing angles to the building and anchors the structure in a position that allows through-site access to accommodate a pedestrian walkway along the riverbank.

Ultimately, the goal of The Greater Johnstown Technology Park design was to provide a dynamic sense of place in the context of downtown Johnstown and create a catalyst as the premier setting for existing and emerging technology-based companies. We believe that the design attains those objectives and delivers a facility unparalleled in the region.

This facility is LEED® CS 2.0 Silver Certified.

Tenant Fit-Outs

L.R. Kimball also provided tenant fit-outs for MTS Technologies, General Services Administration, and Northrop Grumman. This building has security systems in place that meet Department of Defense standards including highly secured areas within each of the tenant spaces.

Riverwalk

L.R. Kimball also provided design through construction administration of a pedestrian walkway bordering an existing Riverwall extending from Franklin Street to Napoleon Street for Greater Johnstown Technology Park, LLC. This project included landscape, hardscape, stormwater, lighting, and furniture.

Project details included the design of a permanent, continuous, pedestrian walkway that borders the existing Army Corps of Engineers' Riverwall and terminates at Franklin Street at the eastern most end and Napoleon Street at the western most end. The Riverwalk included necessary grading, underground utility plan, hard surface walkway, safety railing, a raised plaza area at the rear entrance to the Greater Johnstown Technology Park Building, landscaping, site lighting, and site furniture. The design was integrated with the existing site design elements of the Greater Johnstown Technology Park Building.



KEY FEATURES

- New multi-story, multi-tenant office building
- Coordination with Local, State and Federal stakeholders
- LEED Silver Certification

PROJECT COMPLETION 2011

TOTAL SQUARE FOOTAGE 75,000 SF



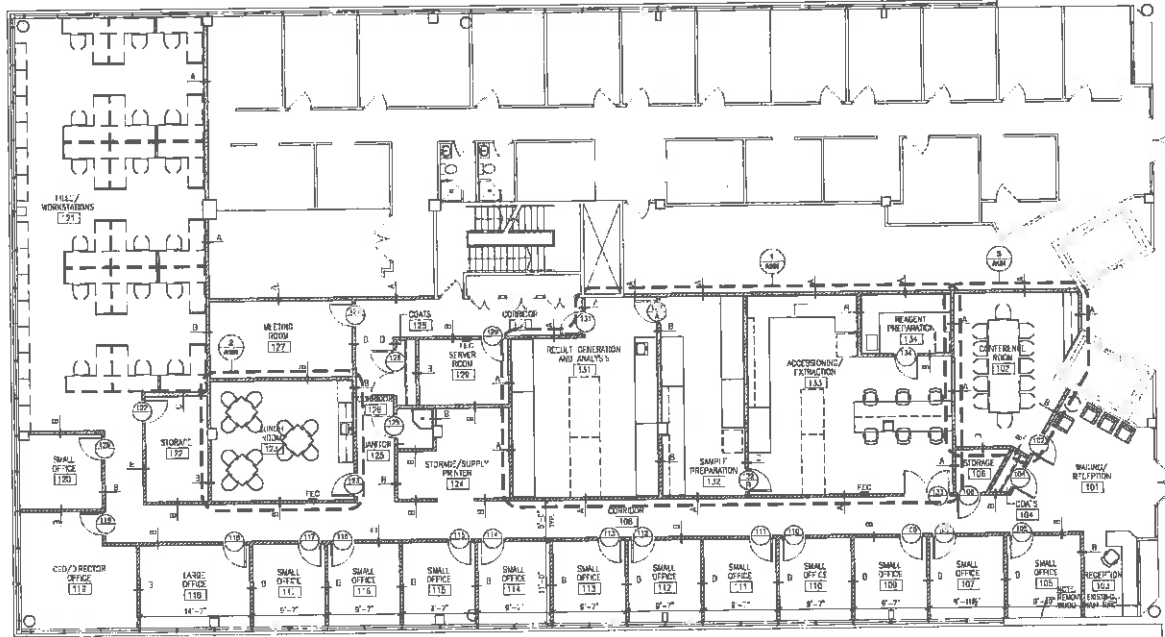
GENOMIND

NEW LABORATORY & OFFICE FIT-OUT KING OF PRUSSIA, PA

L.R. Kimball provided professional architectural services to Genomind. The scope of the project included the tenant fit out of approximately 7,500 square feet located on the first floor in Wing A. A sketch plan was developed by the landlord as a test fit to verify that the space can accommodate the Genomind space plan program. The space is located above a garage and was an acceptable location for auxiliary HVAC equipment. The building is an all-electric facility, which required the emergency generator to be diesel fueled and located in a lower level service yard alongside other tenants' emergency generators.

Included in the development is a laboratory function that occupies approximately 1,500 square feet. The space was subdivided into four compartments serviced by an HVAC system providing the appropriate air pressure to meet standards.

The specialized equipment, included two commercial freezers and one refrigerator and smaller, countertop located devices. Microscopes required no specialized construction. The finishes were selected to provide a clean, and cleanable, environment without the need for a Class 100,000 designation. The design provides for a logical movement of samples to be tested starting from the courier delivery, through the laboratory spaces for processing and storage, and ultimately to a disposal area. This process is observed and monitored by management, but operates for the most part independent of and apart from the general office operation. The laboratory is kept fully operational during a power outage through the use of a dedicated emergency generator that energizes the laboratory's lighting, power outlets and connected equipment as well as the path from the main entrance to the laboratory.



KEY FEATURES

- Office and Laboratory space
- Complex MEP upgrades

PROJECT COMPLETION 2015

TOTAL SQUARE FOOTAGE 7500 SF

LANCASTER COUNTY, PA

NEW FORENSIC CENTER & LABORATORY

L.R. Kimball provided architectural and engineering services for the new Forensic Center for Lancaster County. This 13,120 square foot facility houses daily operations for the Lancaster County Coroner. It provides Level II Forensic Autopsy capabilities complete with Anthropology, Odontology, and Histology Labs and several areas for Body Processing including generous coolers/freezers for body storage. The facility was constructed on a two-acre site within the Lancaster General Hospital Campus located in East Hempfield Township and affords 20 parking spaces for public and County use. Separate drives for County and mortuary vehicles have been established that lead to an enclosed sallyport feature and ease access and processing of daily activities.

This building is equipped with an emergency generator that provides for complete operation in the event power should fail. In addition, provisions were made for temporary freezer storage units to be utilized should an incident occur that would require body storage beyond this facility's permanent storage capacity.



KEY FEATURES

- Office and Laboratory space
- Complex MEP system

PROJECT COMPLETION 2012

TOTAL SQUARE FOOTAGE 7,500 SF

ALLEGHENY COUNTY, PA

NEW OPERATIONS & MAINTENANCE FACILITY

PITTSBURGH, PA

L.R. Kimball worked with The Allegheny County Sanitary Authority [ALCOSAN] to design a new 112,000 gsf operations and maintenance building at their plant along the Ohio River in Pittsburgh, PA. The project replaced the current O&M building and several other buildings were demolished and rebuilt nearby to allow space for expansion of treatment facilities.

In 1999, ALCOSAN conducted a rigorous building study to evaluate multiple sites and establish a program for this building. During this study, an existing building analysis was conducted to document the deficiencies of the existing building and determine current space needs. These space needs were documented in the Final Report for the study and the following fundamental issues were identified:

- Improve Communications and Interaction throughout the Organization
- Improve Departmental Adjacencies and Work Flow
- Continue to Improve Office and Training Technology Capabilities
- Develop a Unified Organizational Culture Among all Departments

Numerous site options were analyzed during the study to determine the appropriate location for the new O&M complex. ALCOSAN chose to construct the new building on the site adjacent to the existing employee parking lot. This site is currently occupied by a lawn, the security building, the CS&B Building, and the consultant trailer complex. Through a series of site development alternatives within the chosen parcel of land it was determined that the CS&B building should be demolished and developed at a different location off site. The existing security building would be demolished and a new Security Building would be located in a manner to create a secure entrance to the plant. Additionally, there were several underground issues which were reviewed and addressed with this site, including the presence of abandoned building foundations and existing utility lines. The conflicting utility lines were relocated prior to construction of the new Security Building to allow for ease of construction.

KEY FEATURES

- New Construction
- Government building with offices & maintenance space
- Sustainable design features

PROJECT COMPLETION 2013

TOTAL SQUARE FOOTAGE 112,000 SF

Parking and traffic flow were major issues with regard to development of this site and project. As part of the pre-design programming process, L.R. Kimball evaluated and analyzed the current and future parking needs of the site and recommended alternatives for addressing parking issues. Our team also produced site circulation options in diagrammatic form to reconcile the flow of cars and trucks throughout the site, during and post construction





MIDDLESEX COUNTY COLLEGE

NEW SOUTH HALL SCIENCE BUILDING EDISON, NJ

L.R. Kimball provided architectural and engineering services for this new \$14.1 million, two-story, 33,800 SF South Hall Science Building which provides state-of-the-art biology and chemistry labs and support spaces. Additional labs were added to meet the growing need for science courses. Upon completion of the South Hall Science Building, existing labs in another Science Building were repurposed for new allied health programs and the Department of Natural Sciences support space and physics labs.

The ground floor of the South Hall Science Building contains seven biology laboratories, a lab prep area, and the Department of Natural Sciences offices and support space. The second floor is comprised of five chemistry labs, a lab prep area, two general science labs with computers, a shared conference room, and support space. There are also open areas for student and faculty interaction to support collaboration, a key foundation of success in today's global context.

The building aesthetics take cues from the architectural vocabulary of the campus context. Collegiate red brick was utilized as the major material with light stone accents introduced to add scale and detail. To achieve LEED Gold Certification, the building is warm and welcoming with an abundance of natural light for both user well-being and as a means of reducing energy costs for lighting. The glass is shaded on the South, East, and West facades to minimize solar gain within the building, thereby reducing energy costs.

KEY FEATURES

- New, \$14.1M, State-of-the-Art Science Building
- Student centered design: open, collaborative spaces, state-of-the-art technology, designed to support student/faculty interaction, Specialized biology and chemistry labs
- Offices and support spaces

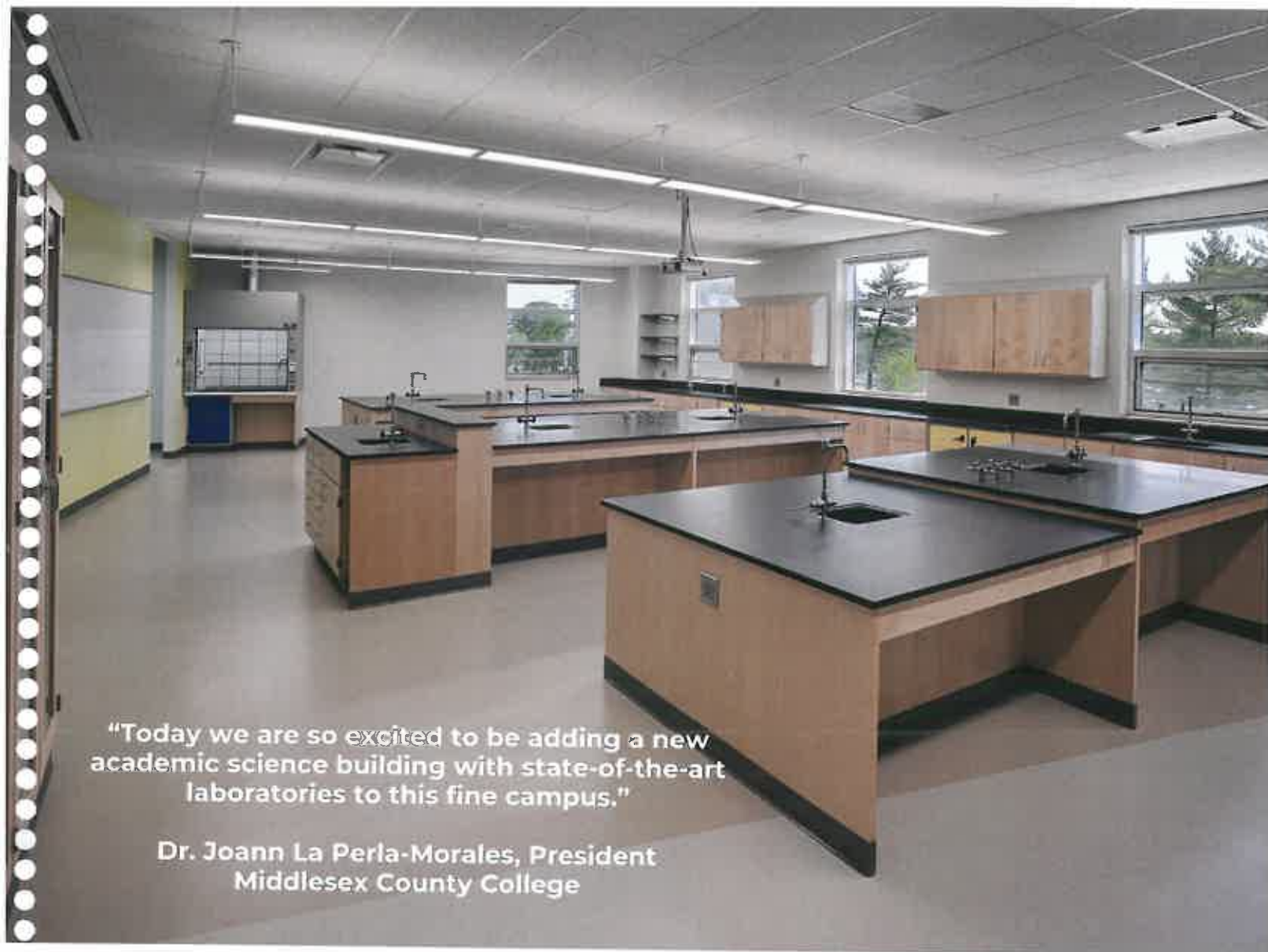
LEED V2009 GOLD

- Water efficient plumbing fixtures – 37% less water used
- Construction Waste Management – 96% diverted from landfill
- Energy performance exceeding ASHRAE requirements – 25% energy savings
- Exemplary performance on recycled content of materials and regional materials
- Low emitting materials
- Third party commissioning

PROJECT COMPLETION 2016

TOTAL SQUARE FOOTAGE 33,800 SF





"Today we are so excited to be adding a new academic science building with state-of-the-art laboratories to this fine campus."

Dr. Joann La Perla-Morales, President
Middlesex County College



PA DEPARTMENT OF ENVIRONMENTAL PROTECTION SOUTHEAST REGIONAL OFFICE BUILDING NORRISTOWN, PA (LEED V2 GOLD CERTIFIED)

L.R. Kimball provided High Performance Integrated Design and Commissioning Services for this new 110,700 square foot office building located in downtown Norristown, Pennsylvania. This regional facility for Pennsylvania's DEP houses 350 state employees. Integrated design services included computer-simulated energy models utilizing PowerDOE software and daylighting analysis. This project was intended by DEP to represent the Commonwealth of Pennsylvania's "greenest building." This building is LEED® V2 Gold Certified.

Highlights:

- 2005: Environmental Design+Construction Excellence in Design Awards Grand Prize – Government Buildings
- Urban Redevelopment Re-Uses a 6,000 SF Historical Building
- Rainwater Harvesting Reduces Water Consumption for Sewage Conveyance by 100%
- Annual Energy Consumption Cost Reduction Modeled at 40.7%
 - Water Consumption Reduced by 83%
 - Brownfield Redevelopment and Remediation

Design/Innovation:

- High-Performance Thermal Envelope Including R-25 Insulated Metal Panels
- High-Performance Windows Eliminate Costly Perimeter Heating Systems
- Underfloor Supply Air Plenum with Flexible Manufactured Cabling System Underfloor for Power, Voice, and Data

Site:

- Selection of an Urban Site Adjacent to a Major Public Rail and Bus Hub
- High-Albedo Energy Star Roofing and Vegetated Green Roofing Reduce "Heat Island" Effects

Energy:

- Green Power Purchasing Agreement for 100% "Green-e" Produced Electricity
- Cooling Capacity Reduced by 50% to 600 Square Feet Per Ton
- Lighting Power Density Averages Less than 0.75 Watts/SF
- Daylighting Design Includes 4-Story Atrium with Photocell Sensored Dimming
- Extensive Commissioning Procedures Insure Operations Performance

Materials:

- Construction Waste Management Plan Diverted 83.3% Waste from Landfill Disposal
- 7.85% of Materials by Cost are Salvaged
- Over 34% of Building Materials by Cost are Recycled (LEED V2.1)
- Over 75% of Building Materials by Cost Manufactured Locally
- High Percentage Blended Cement Concrete Significantly Reduced CO2 Emissions

Indoor Environmental Quality:

- Floor-Mounted Air-Distribution Diffusers Provide 100% Ventilation Efficiency
- Selection of Low-VOC Solvent-Free Paints, Coatings, Adhesives, and Sealants Throughout
- High-Performance Split Task-Ambient T-5 Indirect Lighting and Occupant Sensors
- Permanently Installed Equipment Monitors Thermal Comfort
- Individual Thermal Comfort Control Provided for Each Occupant

KEY FEATURES

- New Construction
- Government Office Building
- LEED Gold Certified

PROJECT COMPLETION 2004

TOTAL SQUARE FOOTAGE 110,700 SF





PA DEPARTMENT OF GENERAL SERVICES ARMED FORCES RESERVE CENTER & FIELD MAINTENANCE SHOP, WILLIAMSPORT, PA

L.R. Kimball designed a two-story masonry building of approximately 75,000 square feet located on the existing Williamsport Armory site. Accommodations for the Army Reserve unit and two National Guard units were addressed in the project design solutions. This training facility also houses offices and administrative areas as well as a separate building for vehicle maintenance.

This project received Silver Level Certification under the LEED NC 2.2 rating system.

It required a Special Exception to the City's Zoning Ordinance since the proposed military facility was not an approved use of the property, even though the project site was the location of the existing military facility. We worked closely with the Pennsylvania Department of General Services, the Pennsylvania Department of Military and Veteran Affairs, and the City of Williamsport to have the initial denial of the Special Exception vacated and to get the necessary Special Exception Permit granted by the Zoning Hearing Board.



KEY FEATURES

- New Construction
- Office / Maintenance / Training Spaces
- Coordination with Local, State and Federal stakeholders
- LEED Silver Certification

PROJECT COMPLETION 2011

TOTAL SQUARE FOOTAGE 75,000 SF



CABELL COUNTY, WV EMERGENCY SERVICES CENTER HUNTINGTON, WV

L.R. Kimball provided professional design and engineering services for the new Cabell County, WV Emergency Services Center. This project combines emergency operations and a call center within a single facility. This new building replaces the existing E-9-1-1 call center with a state-of-the-art dispatch center. The building houses the call and dispatch center, emergency operations center, employee service areas, and equipment and administrative spaces required to operate the facility.

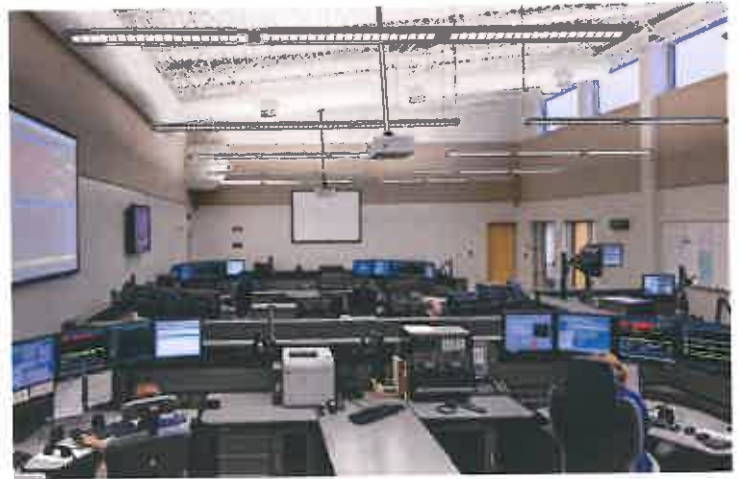
L.R. Kimball also designed a full Enterprise IP-based video surveillance and access control system as part of this project. L.R. Kimball's Communications Technology Division provided consulting services to Cabell County. These services included a technology assessment, defining systems for the design of the new Emergency Services Center, and providing general consulting assistance during the project for migration of ECC operations to the new facility.

KEY FEATURES

- New facility with office / administrative spaces
- Experience working with a WV government agency

PROJECT COMPLETION 2009

TOTAL SQUARE FOOTAGE 12,000 SF



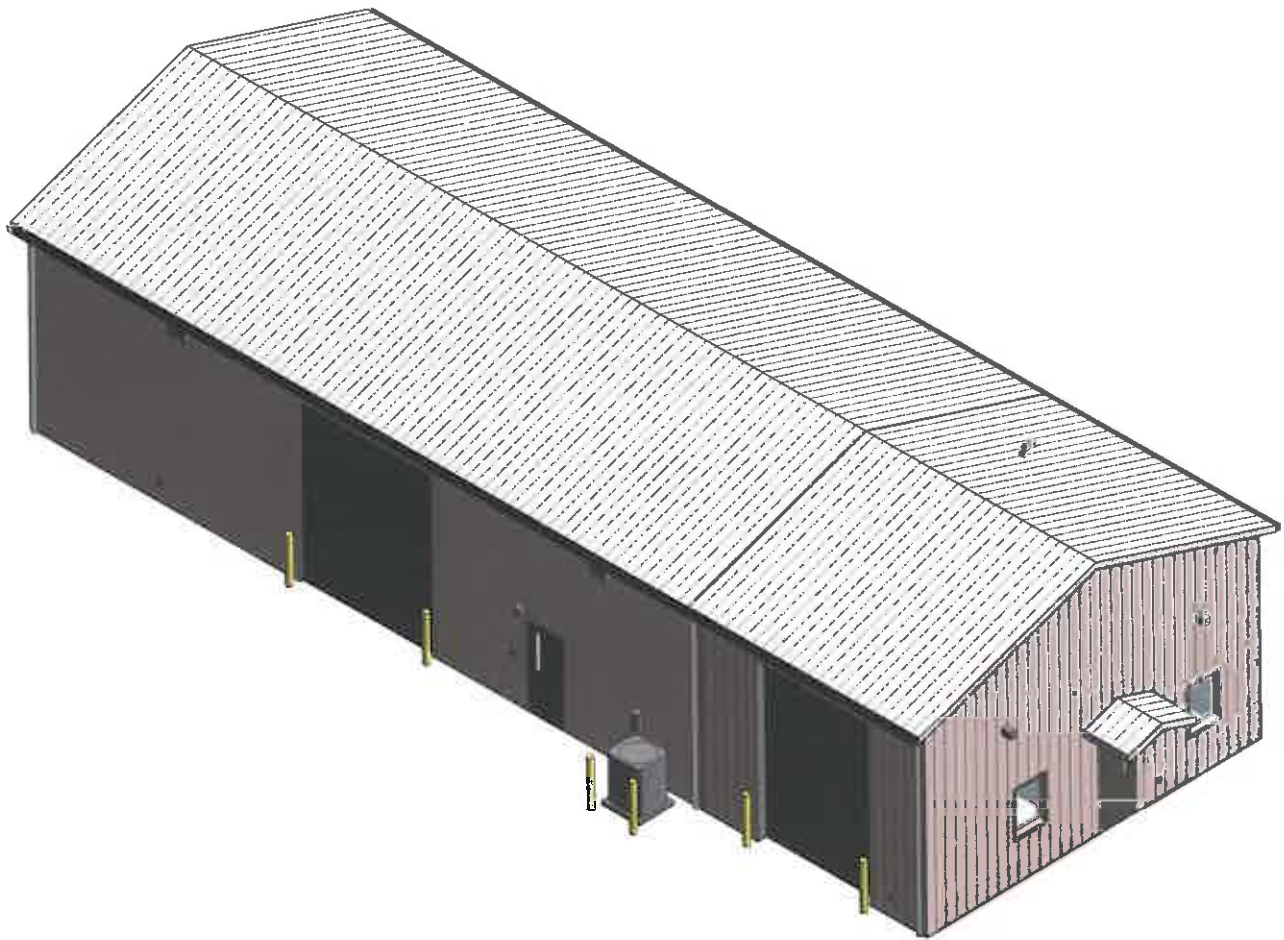


PENNSYLVANIA TURNPIKE COMMISSION

BOWMANVILLE MAINTENANCE FACILITY ADDITION BOWMANVILLE, PA

L.R. Kimball is providing architecture and engineering design services for an addition to an existing maintenance facility. The facility is located at the westbound lane of mile marker 289 and the site includes many building structures for the PA Turnpike Commission and the PA State Police.

This project first involved the feasibility study of an addition to the maintenance facility as well as a code compliance review of the existing facility. The design of this 24' x 30' heated addition will include a roll-up door and will provide The PA Turnpike Commission with receiving and staging space as well as office and work areas.



KEY FEATURES

- Office / Storage / Maintenance Facility
- Coordination with Local, State and Federal stakeholders

PROJECT COMPLETION 2019

TOTAL SQUARE FOOTAGE 720 SF

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PENNSYLVANIA DEPARTMENT OF GENERAL SERVICES

TROOP E STATE POLICE HEADQUARTERS & SHOOTING RANGE, ERIE COUNTY, PA

L.R. Kimball was retained by the PA Department of General Services to provide architectural and engineering services for this project, which will include a new Headquarters Building with a 50 yard Firearms Range; a new vehicle maintenance garage and procurement and supply building, as well as parking for 180 vehicles.

The project originally included the design of a 62,250 SF crime lab. The crime lab portion of the project was eliminated from the project scope during the schematic design phase, due to cost and replaced with a firearms range.

The project is currently on hold, as the State look for a new, better suited site for this State Police Headquarters.

Components of the project include space for:

- Command Staff
- Scientific Services
- Criminal Investigation
- Drug Identification
- Forensic Services Unit
- Vice/Intelligence
- AFIS
- Patrol Section
- Ballistics
- Collision Analysis
- Commercial Vehicle Enforcement
- Motor Carrier Enforcement
- Vehicle Fraud Investigation
- Communications Desk
- Records
- Staff Services
- Troop Administration
- Evidence Storage (Inside HQ)
- Impound Yard



KEY FEATURES

- New building with offices, storage and multiple law enforcement functions
- Originally included a crime lab
- Coordination with various State agencies

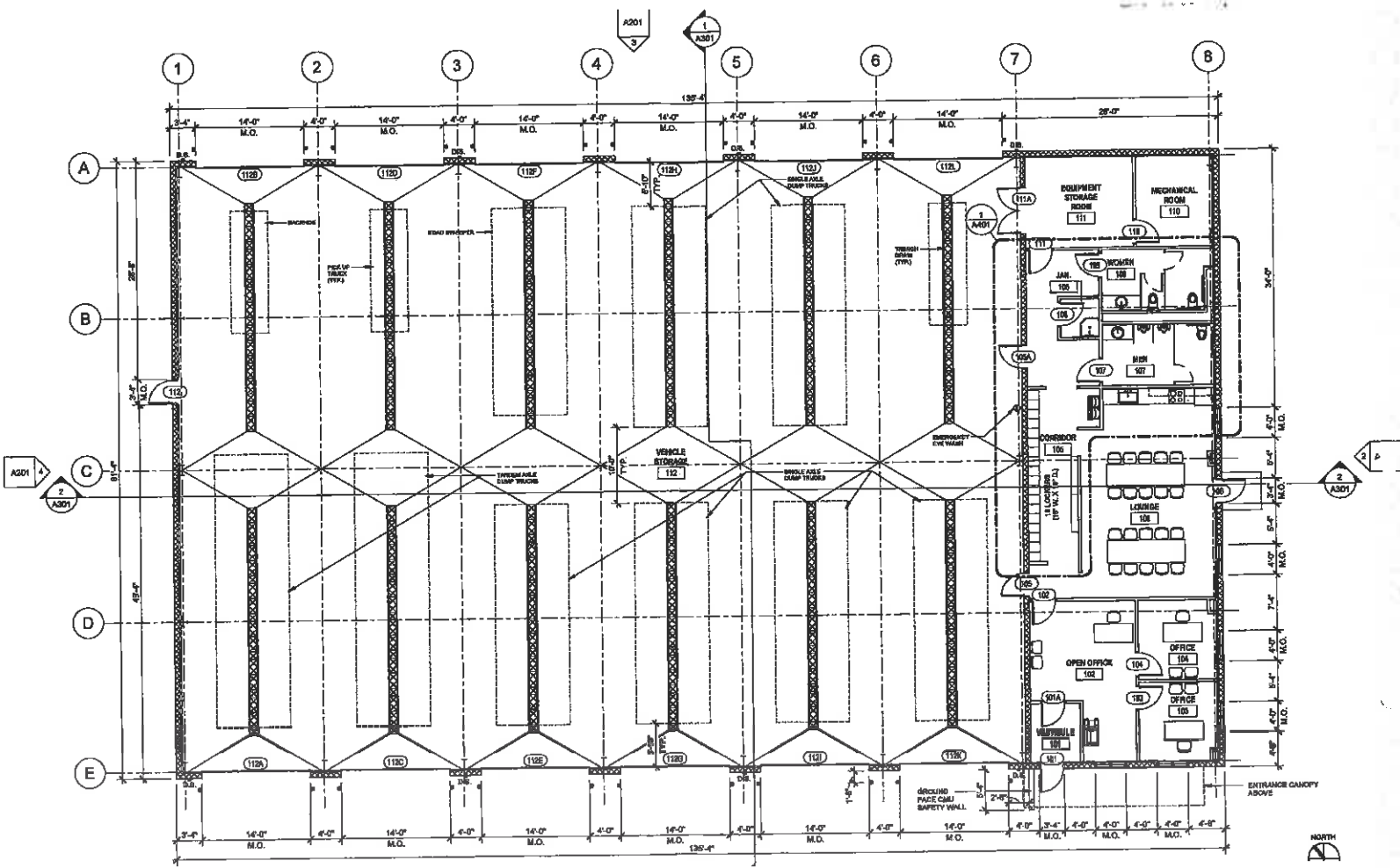
PROJECT COMPLETION TBD -This project is on hold, as the Client looks for a new site. The site previously selected by the Client has wetland implications.

TOTAL SQUARE FOOTAGE 58,435 SF

ALLEGHENY COUNTY DEPARTMENT OF PUBLIC WORKS DISTRICT 5 WAREHOUSE WITH OFFICES & VEHICLE STORAGE SPACE, PITTSBURGH, PA

L.R. Kimball is providing A/E design services for the new 11,000 SF, \$3.5 Million, Vehicle Warehouse/Garage and salt storage supporting infrastructure to be located in District 5 at South Park. Standard design services included civil, architecture, mechanical, electrical, and fire protection engineering services related to the new building design.

While it is not intended to be LEED certified, the building, site and civil designs were prepared with sustainable design principals. Special design attention was provided to integrate site elements, storm water management, renewable energy sources etc. into site planning considering site location adjacent to public parks requiring documentation for design and construction phases.



KEY FEATURES

- Office and Warehouse / Storage Space
- Government Agency experience
- Sustainable Design Features

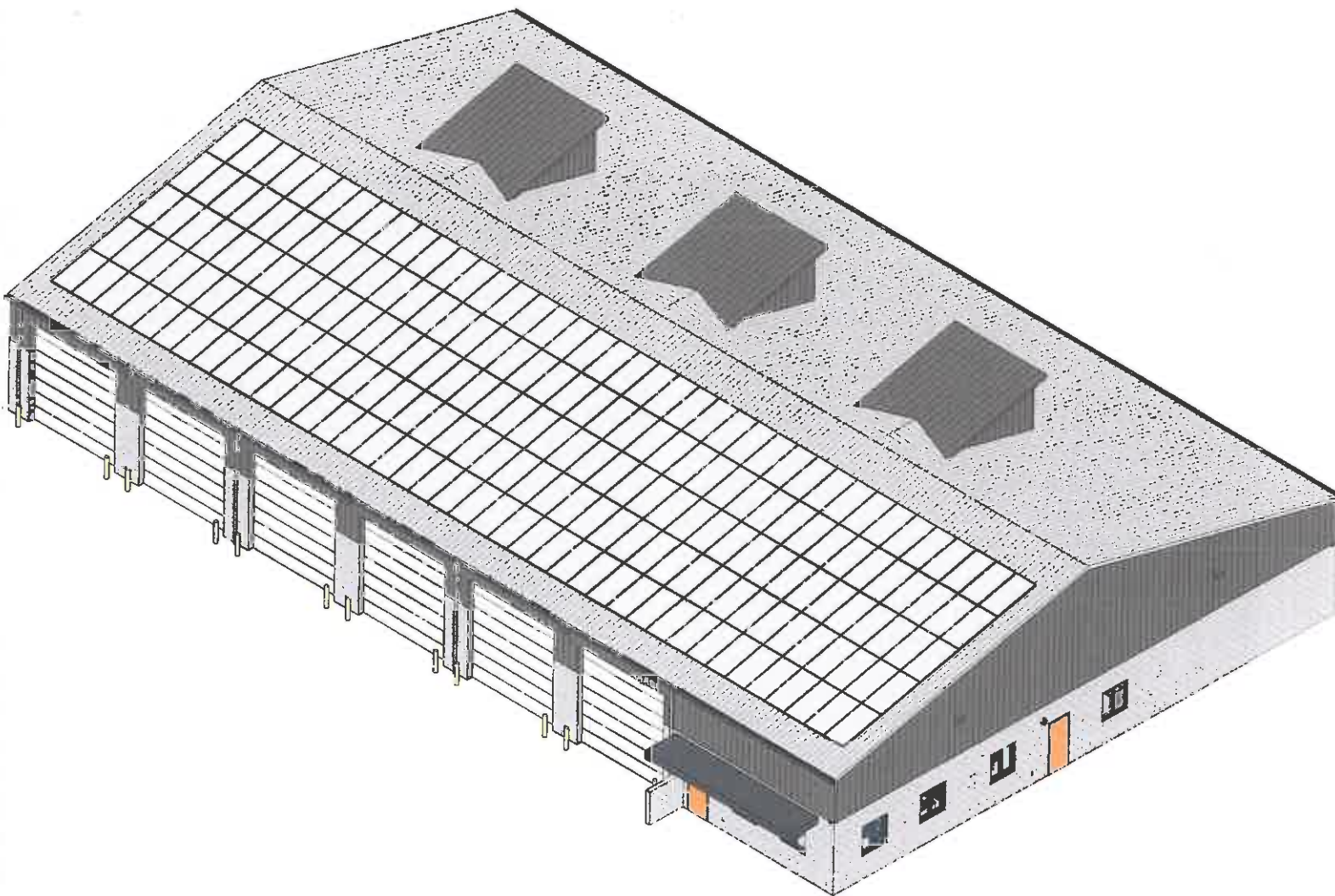
PROJECT COMPLETION 2019

TOTAL SQUARE FOOTAGE 11,000 SF

Design features include:

- Roof solar panels system
- Natural lighting to the building through skylight/dormer or clerestory window systems
- Rain garden for site / civil design

The warehouse building structural system was a pre-engineered building system, exterior being masonry base up to 6' high and metal panel system above as component of pre-engineer building system.



PA TURNPIKE COMMISSION

KEGG MAINTENANCE FACILITY RENOVATIONS & ADDITIONS, MANNS CHOICE, PA

The Kegg Maintenance Facility is comprised of a maintenance building, truck shelter, fuel island, miscellaneous storage sheds, and open yard facilities for vehicle parking and material storage for the Pennsylvania Turnpike Commission. This feasibility study was limited to the maintenance building and truck shelter. The existing maintenance building and truck shelter are pre-engineered metal framed buildings. The maintenance building, constructed in the 1980s, requires interior renovations, and the canopy enclosure building, which was added in 1992, requires enclosures with roll-up doors. The truck shelter facility, constructed in 2004, requires a heating system and building insulation for exterior enclosures. The feasibility study included critical code and energy-related information, a line item cost estimate,

and design/construction schedules. The results of the study enabled the Pennsylvania Turnpike Commission to make long-term and prioritized decisions for a design and construction project. This approach accelerated the overall project schedule because decisions were made during the approval process for the feasibility study.

As a result of the feasibility study completed by L.R. Kimball, additions and renovations to the Kegg Maintenance Facility, which is located at Mile Marker 132, include interior renovations of the administrative areas, restrooms, and office spaces; demolition of existing garage bays; and construction of a new pre-engineered garage building with additional bays.

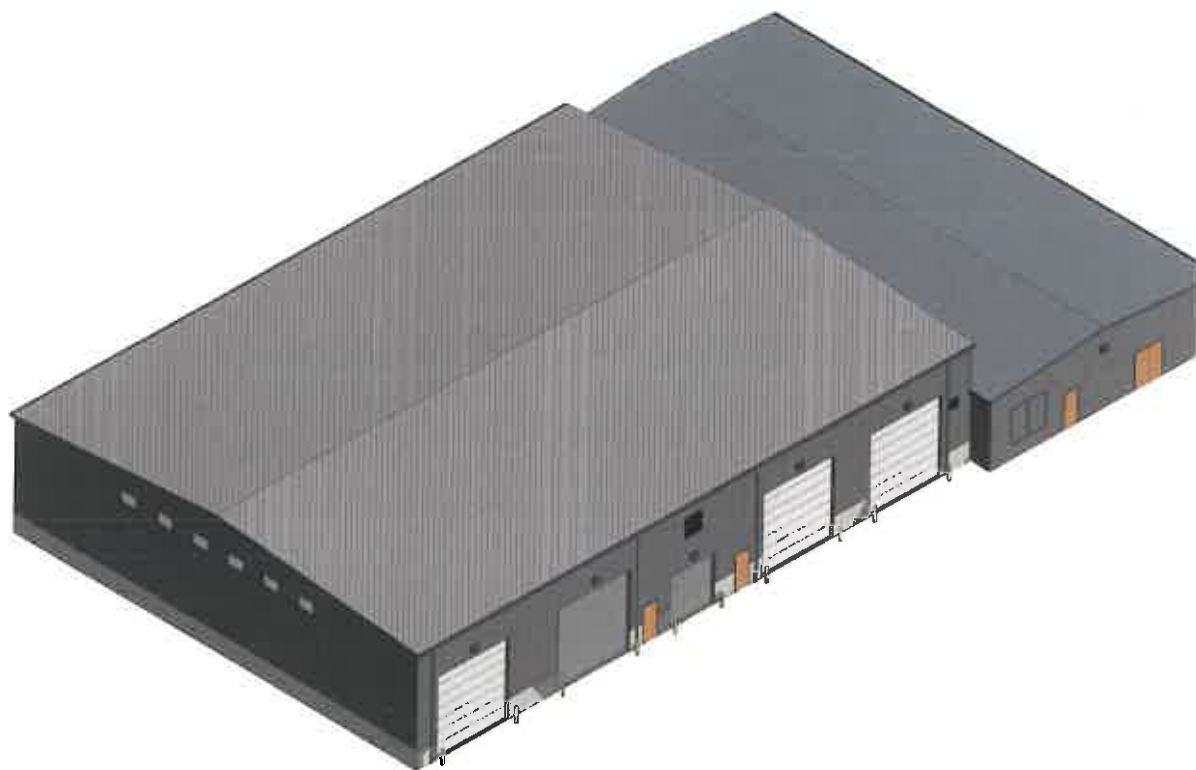
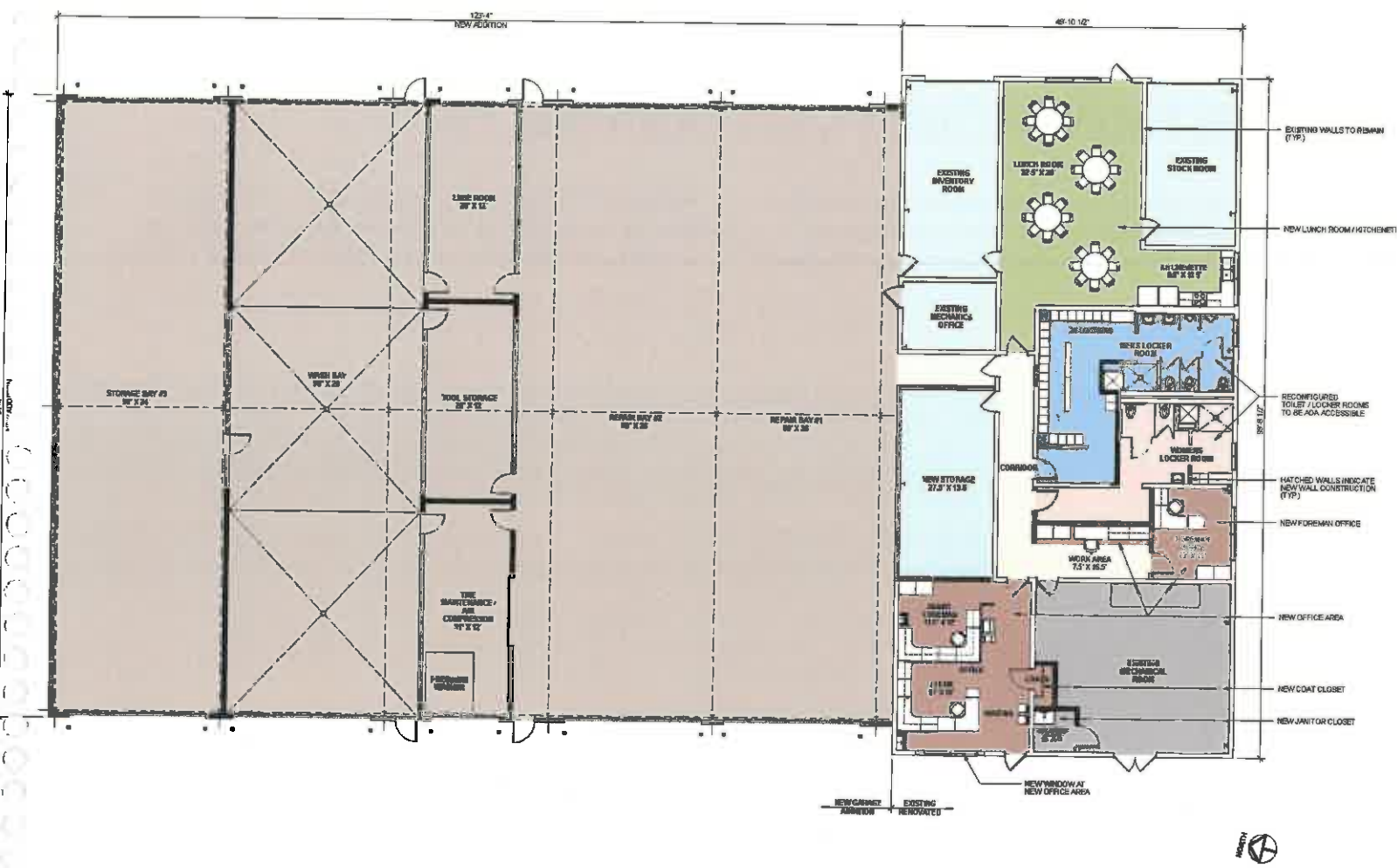


KEY FEATURES

- ✦ Maintenance / Office Facility for a State Agency
- ✦ L.R. Kimball first completed a feasibility study to help the client make long-term and prioritized decisions

PROJECT COMPLETION Est. April, 2019 (sitework is in the final stages)

TOTAL SQUARE FOOTAGE 18,200 SF



PA DEPARTMENT OF GENERAL SERVICES

NEW PENNDOT MAINTENANCE FACILITY ARMSTRONG COUNTY, KITTANNING, PA

L.R. Kimball is providing professional architectural and engineering design services for a new maintenance facility for PennDOT's District 10-0 in Armstrong County, PA.

This project includes an office building, vehicle garage building, relocation of fuel island, relocation of storage buildings, and vehicular circulation for PennDOT vehicles.



KEY FEATURES

- New Construction
- Office, Storage, and Garage spaces
- Complete architectural & engineering design services
- Successful experience working with a State Government Agency

PROJECT COMPLETION Est. 2020 (Currently on-hold, awaiting off-site sanitary sewer extension)

TOTAL SQUARE FOOTAGE 19,360 SF



TRC PROJECT EXPERIENCE - ENVIRONMENTAL

NEPA SERVICES, MIDDLEWAY BRIDGE REPLACEMENT, STATE PROJECT T602-51-9.34 00, FEDERAL PROJECT STP-0051(047) D, BERKLEY COUNTY, WV (CLIENT: WVDOH)

TRC prepared the NEPA documentation and associated necessary studies for a replacement of the existing bridge carrying WV Route 51 over Opequon Creek approximately one mile north of the town of Middleway. During preliminary background research, the WVDOH determined there was a high potential for archaeological resources in the immediate vicinity of the bridge due to the reported existence of a potential mound feature at the bridge location. The environmental team assisted the bridge design team in identifying areas where there is the potential for no or minimal impacts to potentially significant environmental resources. The proposed project was cleared through a Categorical Exclusion (CE) document.

NEPA SERVICES, WV 10 OPERATIONAL IMPROVEMENTS, STATE PROJECT U328-10-0.00 00 – LOGAN, WYOMING AND MERCER COUNTIES, WV (WVDOH)

TRC conducted NEPA services associated with the design of operational improvements along 69 miles of WV 10. Associated tasks included Section 4(f) and 6(f) review and evaluation; Cultural Resource surveys, including archaeologic and historic architectural documentation; and Environmental Site Assessment review and recommendations. Under this contract, TRC served as a subconsultant and worked with project designers, review agency personnel, and WVDOH environmental and engineering personnel to communicate project findings and coordinate the results with task leaders, stakeholders and the prime consultant. The project, which was completed on an expedited schedule due to a planned roadway bond sale, was divided into five (5) construction contracts with each contract cleared as a standalone Categorical Exclusion (CE) document. The design of the project included roadway rehabilitation/ upgrades, bridge replacements/ rehabilitations, culvert replacements, new passing lanes, slide repairs, and contract plans. Proposed impacts were deemed minimal throughout most of the project, except at proposed historic bridge replacement areas which are to be coordinated under the Section 4(f) historic bridge replacement programmatic agreement. TRC is currently preparing the required mitigation measures as required by the programmatic agreement.

SECTION 4(F) DOCUMENTATION AND STATE-LEVEL RECORDATION OF THE TWIN PONY TRUSS BRIDGE AND THE DUHRING STREET BRIDGE, MERCER COUNTY, WV (WVDOH)

TRC prepared Section 4(f) evaluation of the 1915 Duhring Street Pony Truss Bridge and the ca. 1930 Twin Pony Truss Bridge, both located in Bramwell, Mercer County. Both bridges are located within, and are contributing resources to, the National Register-listed Bramwell Historic District thus necessitating the Section 4(f) evaluations. The separate evaluations for each bridge were conducted as part of the environmental studies carried out by WVDOH before removal of the two deteriorated bridges. TRC's evaluations examined the build alternatives for the two bridges and evaluated them for their ability to avoid the Section 4(f) resources. As part of the proposed mitigation of adverse effects to the bridges, TRC will be preparing State-Level documentation of each bridge for submittal to WVDOH and the WV SHPO.

One of the two archaeological sites identified [46B0509] was a large, deeply buried prehistoric site identified within the Little Coal River floodplain. It yielded a variety of artifacts indicative of a major settlement during the Late Woodland period (ca. A.D. 1000). The artifacts included sand-tempered ceramics, fire-cracked rock, stone tools, and debitage (the byproduct of stone tool manufacturing). The raw material used for the stone tools included chalcedony, siltstone, sandstone, jasper and chert, including a prized local variety known as Kanawha black flint that was once traded extensively in the region.

AES Wind Power Projects, Laurel Mountain and New Creek, WV TRC performed the comprehensive environmental licensing and permitting and roadway engineering design for two wind energy projects at Laurel Mountain and New Creek in West Virginia. Services included: upland and wetland floristic characterizations; wetland delineations; vernal pool identification; RTE species surveys; and avian and bat monitoring, including mist netting, migratory and breeding season surveys, and raptor nesting studies. These baseline ecological surveys were used to guide the design of access roadways and stormwater management systems to avoid, minimize and mitigate potential impacts to wetlands and RTE species habitats to the maximum extent practicable. License and federal/state permit applications for the Laurel Mountain Project, which is located along a 10-mile long ridge line in Elkins, WV, have been filed with and are now being reviewed by the WV Public Service Commission, WV Division

of Natural Resources (DNR), and USACE. A comprehensive report on TRC's 2007 Laurel Mountain habitat reconnaissance, discovery, mapping, characterization, and census for three new element occurrences (EOs) of the federally endangered, herbaceous plant species, Running Buffalo Clover (RBC; *Trifolium stoloniferum*), also was filed with the U.S. Fish and Wildlife Service (USFWS) and DNR.

During the 2007 survey, TRC worked very closely with the USFWS and DNR's Natural Heritage Program Botanist to agree on baseline census methods used in 2007 and again in 2008 to document the size/health of the three new RBC populations, and to negotiate an acceptable buffer/setback between the access road and turbine placements and the RBC populations. Habitat assessments and surveys for RTE species of bats and birds also were completed and submitted to these agencies, although no such RTE species were found at Laurel Mountain. Similar, early site ecological characterization efforts were performed at the New Creek site, to similarly guide project design to avoid/minimize natural resource impacts as much as possible. TRC is now performing comprehensive natural resource survey, mapping, and federal/state permitting programs, including Section 401/404 and NPDES stormwater permitting, for several other AES wind power projects in western Pennsylvania.

PHASE I ARCHAEOLOGICAL SURVEY, BIRD RUN BRIDGE REPLACEMENT PROJECT, POCAHONTAS COUNTY, WV

TRC conducted a Phase I archaeological survey of the proposed Bird Run Bridge Replacement (State Project S338-84-1.53) that involved a replacement of the existing simple span slab bridge carrying State Route 84 over Bird Run located approximately 1.3 miles east of the village of Frost in eastern Pocahontas County. During our reconnaissance of the project area environment, a stone foundation, likely associated with a former CCC camp, was observed in a wooded area approximately 120 m (400 ft.) south of the APE. A small, abandoned, unpaved access road, a portion (ca. 50-m [165-ft]) of which traverses the APE, was found to lead from SR 84 paralleling the eastern bank of Bird Run to the foundation area (presumably the former camp location). No artifacts were recovered from shovel testing within the APE and no archaeological features were identified. The remnants of a former access road leading to the former CCC camp was also identified and documented. It was recommended that the proposed project will have no effect to archaeological resources and no further investigations within the APE are recommended. The DOH and WV SHPO concurred with these recommendations.

HAZELTON AND ROUTE 9 MITIGATION PROJECTS, JEFFERSON AND PRESTON COUNTIES, WV

This project was completed as part of a Statewide Natural Resource Service contract with the DOH, TRC conducted wetland delineations and plant surveys of the West Virginia (WV) Route 9 Wetland Mitigation Project in Jefferson County, West Virginia and the Hazelton Stream and Wetland Mitigation Project in Preston County, West Virginia. Both projects resulted in wetland fill requiring the WVDOH to mitigate onsite with the creation of replacement wetland.

TRC conducted a wetland delineation and plant survey to evaluate the extent and quality of the created wetland areas. The proposed wetland investigations were conducted in accordance with standards set forth in the 1987 US Army Corps of Engineers (USACE) Wetland Delineation Manual. TRC also completed a plant survey and invasive species inventory in order to evaluate performance standards with respect to cover type and invasive species management. This included an inventory of wetland species observed in each wetland as well as an estimation of wetland cover type percentages and a visual percent cover assessment approach to determine the dominance of invasive species.

Based on the field survey data, a wetland delineation and plant survey report was completed which outlined the field methodologies and results including: the jurisdictional status of the compensatory wetlands delineated including the size of each wetland; USACE data forms for wetland and upland plots including soil profile photographs; representative photographs of the various wetland cover types; and mapping showing the delineated wetland boundaries.

TRC PROJECT EXPERIENCE - GEOTECHNICAL

TRI-STATE AIRPORT ACCESS ROAD LANDSLIDE & RENTAL CAR WASH FACILITY, HUNTINGTON, WV (CLIENT: KIMLEY-HORN)

This project entailed the remediation of a relatively large landslide that had developed at the Airport along the eastern edge and just downslope of the existing Airport Access Road. To protect the existing access road from further damage, which would result in the Commercial Terminal becoming inaccessible, the Airport desired that a retaining wall be constructed near the top of the slide.

As part of a team retained to provide geotechnical engineering evaluations and design for improvements and expansion of the airport's infrastructure, TRC was tasked with establishing the type, location and design criteria for the wall, as well as providing geotechnical recommendations related to the relocation of a rental car wash facility in the area of the slide. TRC's geotechnical engineering staff planned and executed a comprehensive subsurface investigation program to establish subsurface conditions at the access road site and determine appropriate engineering properties for use in subsequent evaluations and design. Geotechnical test borings were performed by TRC's in-house drilling division, while laboratory testing of soil and rock was performed by our in-house AASHTO/ASTM-certified laboratory.

TRC analyzed the feasibility of constructing various types of retaining walls which included cast-in-place concrete, mechanically-stabilized earth (MSE) walls, and soldier pile and lagging walls. Based on site conditions and constraints, it was determined that a soldier pile and lagging wall, socketed into the underlying bedrock, was the most cost-effective means for providing protection of the existing roadway and proposed new construction. Upon selection of the most feasible wall type, detailed models were developed to evaluate slope stability, including consideration for the effects of the proposed soldier pile and lagging wall. A geotechnical report was prepared that detailed the geotechnical investigation and all evaluation work. TRC was retained to perform all construction phase support for this project.

EPISCOPAL CATHEDRAL DEVELOPMENT, PHILADELPHIA, PA (CLIENT: RADNOR PROPERTY GROUP)

TRC provided geotechnical-related services during the design phase of this \$110 million dollar project, which included the construction of a new 25-story mixed-use tower, and an adjacent 3-story office structure with parking. A renovation of the existing Episcopal Cathedral was also completed.

TRC performed a full-scale geotechnical subsurface investigation and engineering design for the project which included test borings, installation of groundwater monitoring wells, and geotechnical engineering associated with the design of drilled shaft, mat and spread footing foundations; earthwork recommendations for cuts and fills; settlement analysis; groundwater control; and underpinning recommendations to stabilize the existing historic Cathedral structure. All of the geotechnical field work was completed without interruption to on-going cathedral operations or damage to the existing buildings or utility services.

Subsequent to the design, TRC was retained to provide full-scope field testing during the underpinning installation and foundation construction. During that period, TRC's field staff were assigned to inspect the following activities:

- Sitework (excavation, underpinning, soil compaction, preparation of foundation subgrade, backfilling of foundation subgrades);
- Construction of drilled reinforced caissons (including concrete placement); and
- Vibration and crack gage monitoring to ensure no damage to the adjacent historic cathedral building.

During construction phase work, TRC's team of geotechnical engineers and ACI-certified technicians was assigned to ensure that the quality of all foundation excavations and concrete material were being used. Our personnel performed bearing surface inspection, completed slump and air-entrainment tests, molded cylinder specimens for compressive strength testing in our AASHTO/ASTM-accredited laboratory, and monitored the water cement ratios and batch proportions being used. All concrete compressive-strength testing was completed in TRC's AASHTO / ASTM-accredited laboratory.

US 35: WV 869 TO MASON COUNTY 40, PUTNAM AND MASON COUNTIES, WV (CLIENT: BIZZACK CONSTRUCTION)

Representing the second Public-Private Partnership project to be undertaken in the State of West Virginia and one of the largest construction contracts ever let by the state, this project represents a new \$175 million four-lane section of U.S. Route 35 that will extend 14.6 miles (13.8 miles of actual construction) from WV 869 in Putnam County to north of County Route 40 in Mason County. The 14.6 miles in Putnam and Mason counties is the last stretch of the 412-mile U.S. Route 35 from Michigan City, Indiana to Scott Depot, WV to be widened to four lanes. TRC is the Lead Designer for the Bizzack Construction Design-Build/P3 team that was selected by the DOH for award of the project.

TRC's geotechnical scope of work for this project involved: planning, execution and test boring inspection for subsurface exploration program, comprised of test borings in general accordance with AASHTO and WVDOH protocols, to supplement the original borings performed for the bid-phase Geotechnical Report provided by the WVDOH; development of a comprehensive soil and rock laboratory testing program to supplement laboratory testing performed for the bid phase; evaluation and recommendation of design cross sections for all rock cut and fill sections along the main alignment based on requirements set forth by the Project Criteria as supplemented by WVDOH Design Directives 403 and 404; providing foundation recommendations for two (2) of the four (4) bridges associated with this project, as well as for all large diameter culverts, and associated bridge/culvert wingwalls; providing analyses and recommendations related to design of steepened geosynthetic reinforced soil slopes proposed at the bridge locations, designed by TRC; evaluation of settlements for all mainline embankments and recommendation of mitigation measures as necessary to meet settlement criteria as outlined in the Project Criteria. Foundations for proposed bridge structures included a combination of driven piles and large diameter drilled shafts.

Geotechnical challenges associated with this project include: 1) the presence of alternating sequences of rocks of various type and quality, including soft claystone/shale and low rock quality designation (RQD), strength and durability, and 2) the presence of relatively thick deposits of soft compressible soils at the two (2) bridge locations for which TRC is responsible for design. As such, rock cut design required careful consideration of backslope ratios, backslope heights, and the number and location of benches based on consideration for rock type, shear strength, durability, and the orientation of the primary rock bedding and other discontinuities. The variability in rock type and quality within proposed cut sections also required that TRC delineate sources of material suitable for use as Select Embankment (SE) Material as well as areas of Soft Shale requiring special handling for placement as Random Material in accordance with WVDOH Standard Specifications.

Relatively thick deposits of soft soils at the TRC-designed bridge locations required detailed evaluation of deep foundation systems for support of the structures, as well as evaluation and consideration of mitigation measures as appropriate to ensure global stability of approach embankment fills and to maintain post-construction settlements within acceptable levels, which included detailed evaluation and recommendation of the use of prefabricated vertical drains (or wick drains) and staged construction techniques with construction phase monitoring.

Approximately 145 supplemental roadway, culvert and bridge borings were performed for this project. The borings ranged in depth from approximately 15 ft. to 150 ft. and totaled on the order of 6,000 lineal feet of drilling. All test borings were performed by TRC's in-house drilling division. TRC is currently providing construction phase geotechnical engineering services for this project, as required.

TRC PROJECT EXPERIENCE - LANDSCAPE ARCHITECTURE

REFORESTATION/AFFORESTATION EFFORTS, CHARLES COUNTY, MD

Project Landscape Architect in the overall coordination and design for site remediation, reforestation, and afforestation efforts for a 17-acre project site. Tasks included coordination with Client, Project Management, and Environmental Team. Recommend the implementation of specific tree plantings according to Maryland Department of Natural Resources, Charles County, and FERC regulatory agencies. Generate Landscape Plans, appropriate Details, Planting Schedules, Planting Calculations, and Landscaping Notes for FERC approval. Coordinate and Assist Pm and team with RFP, Pre-Bid, and project site inspection needs.

TREE REPLACEMENT AND ESTIMATES OF PROBABLE COSTS, WASHINGTONVILLE, NY

Project Landscape Architect in the overall coordination and presentation of Analysis Report and Estimates of Probable Costs for tree replacements on project site. Tasks included coordination with Client, Project Management, and Environmental Team to provide/generate a descriptive Analysis Report identifying cost values assigned to existing woodland forest to be cleared and removed. Additional tasks include: evaluating tree survey data, utilizing GIS and LiDAR capabilities to assume existing tree canopy coverage, providing/assigning/calculating tree costs and labor rates, and generating a report for public presentation.

LeTort Regional Authority Trail and Urban Greenway Feasibility Study, Cumberland County, PA - Project Landscape Architect assisting in the overall coordination, design, and layout of a trail and urban greenway system within four local municipalities in Cumberland County that would stem from the internationally famous trout stream- The LeTort Spring Run. Overall coordination and design of Conceptual Construction Documents used by the LeTort Regional Authority for presentation and submission to obtain various grant funding opportunities. Tasks included coordination with local and state government agencies including PENNDOT, The Pennsylvania Turnpike Commission, Cumberland County Planning Commission, DEP, and DCNR. Participation in numerous public meetings and presentations. GPS data collection to station the trail alignments. Proposed various BMP solutions throughout the Trail and Urban Greenway. Generating Study Maps, Section Elevations, Details and Cost Estimates, and Construction Documents to submit to the LeTort Regional Authority.

GETTYSBURG COLLEGE ATHLETIC FACILITY AND SUSTAINABLE PARKING LOT, ADAMS COUNTY, PA

Project Landscape Architect in the overall coordination and design of a newly renovated and LEED Accredited Athletic Facility and new sustainable parking lot facility that utilized CU Engineered Soil enabling the harvest and storage of on-site and off-site stormwater runoff. Tasks Included coordination with college officials and complete design team. Generating Landscape Plans and hardscape details for Land Development approval. Generating Construction Document plans for submittal and bidding purposes.

PA DCNR HICK'S RUN ELK VIEWING SITE, CAMERON COUNTY, PA

Project manager/designer in the overall coordination and design of one in a series of elk/wildlife viewing sites that were incorporated into the overall Pennsylvania Wilds Program. Tasks included historical and environmental due diligence, stormwater, grading design and analysis, PENNDOT Highway Occupancy Permitting, site design and layout of access drive, parking facility, information boards/signage, access trail, and elk viewing Structure.

PA DCNR SKIPPACK GOLF COURSE PARKING LOT RENOVATIONS, MONTGOMERY COUNTY, PA

Project manager/designer in the overall coordination and design renovation of a 108-space parking lot. Numerous BMP design elements played a significant role in the NPDES Permit approval process including parking island infiltration trenches and reworking the drainage along the existing PENNDOT State Road. Additional efforts included PENNDOT Highway Occupancy Permitting and project oversight of construction services.

PA DCNR PINE CREEK RAIL TRAIL PHASE IV, TIOGA COUNTY, PA

Project manager/designer in the overall coordination and design of the final phase of a 57.8-mile rail trail. The trail runs through the Pennsylvania Grand Canyon and is rated by USA TODAY as one of the top 10 places to take a bike tour. Additional tasks included numerous public meetings and presentations, interpreting Railroad Valuation Maps, coordination oversight with PENNDOT, and coordination efforts as it relates to individual landowner rights and deed interpretations.

PA DCNR LEHIGH GEORGE PARK IMPROVEMENTS, LUZERNE AND CARBON COUNTIES, PA

Project Coordinator and Representative for DCNR, acting as the primary point of contact for the Consultant in advising and assisting in the overall design process for park improvements including a new vehicular access, white water boat launch areas, and a main street bicycle/pedestrian route.

PA DCNR LACKAWANNA STATE PARK OFFICE ADDITION, LACKAWANNA COUNTY, PA

Project Landscape designer in the overall coordination and site design/layout of a park office addition. Design elements incorporated to meet LEED Certification goals. One of the first PA DCNR State Park projects to attempt LEED Certified status. Additional task/efforts included assisting in site layout and building orientation, incorporating the use of permeable surfaces for onsite parking, and implementation of rain garden design to address stormwater runoff.

SITE RESTORATION, BURLINGTON/ GLOUCESTER COUNTIES, NJ

Project Landscape Architect in the overall coordination and design for site remediation and exit strategy efforts of a 19-acre contaminated site. Tasks included coordination with environmental and engineering design teams. Recommending the implementation of specific BMPs. Generating Landscape Plans, appropriate Details, Planting Schedules, and Landscaping Notes for NJ DEP permit approval.

EIGHT POINT WIND TURBINE FARM, STEUBEN COUNTY, NY

Panel member participant for a Visual Impact Assessment of a Wind Energy Center located in southcentral New York State. Tasks included strong coordination efforts with Project Management and strong participation efforts in the visualization assessment and rating system required by the NY State Article 10 Permitting Approval Process.

CEDA COG/PENNDOT DISTRICT 2-0, SR 0022/322 COMMUTER PARKING FEASIBILITY STUDY, JUNIATA COUNTY, PA

Perform a Commuter Analysis, determine the required parking facility size, and coordinate Site recommendations to CEDA COG and PennDOT District 2-0 for a New Commuter Parking Facility in Juniata County. Additional tasks included: Coordination with local and state government agencies. Generate and distribute windshield surveys for data collection purposes. Determine future growth factors. Generate Study Maps and Sketches, Data Matrix and Tables, and Cost estimates for submission to CEDA COG and PennDOT District 2-0. Conduct Project Kick-Off, Status, and Recommendation Meetings. Coordinate with local property owners, business owners, and stakeholders. Conduct a Real-Estate search for potential properties that could accommodate the New Commuter Parking Facility. Review and consider areas for storm water management and local Zoning and SALDO requirements. Generate and Estimate of Probable Costs.

L.R. KIMBALL REFERENCES

PA Department of General Services New Armed Forces Reserve Center & Field Maintenance Shop

"The PA Department of General Services contracted with L.R. Kimball to design a two-story, 75,000 square foot masonry building located on the existing Williamsport Armory site for the PA Army National Guard / PA Department of Military and Veterans' Affairs (PADMVA) for which I was the PADMVA's project manager. Construction of the facility was completed in November, 2011. Accommodations for an Army Reserve unit and two National Guard units were addressed in the project design solutions. This training facility houses offices and administrative areas as well as a separate building for vehicle maintenance.

The Armed Forces Reserve Center and Maintenance and Storage Unit are state-of-the-art facilities which have innovative design features to meet the users' needs. They house unique technology and security features and have received Silver Level Certification under the LEED NC 2.2 rating system.

L.R. Kimball met all of our needs and exceeded our expectations. Their expertise and professionalism are only two of the attributes in which they excel. The PA Department of General Services and the PADMVA have developed trust and confidence in L.R. Kimball. Working with this team was truly a beneficial partnership. We would highly recommend them to any agency considering a building project or restoration."

Andrew J DeGregorio, EIT, COR, CFMO
Senior Environmental Protection Specialist
DHS-FEMA/MS/OCAO/Sustainability & Environmental Management (SE) Programs
(Former Director - Bureau of Military Construction & Engineering and Project Manager, Construction & Facilities Management Officer/Office of Facilities and Engineering, PA Department of Military and Veterans' Affairs)
Phone: 202-646-2548
e-mail: andrew.degregorio@fema.dhs.gov



ORX RAILWAY CORPORATION

"The design of the building and its functionality are everything I hoped they would be, and I am a very, very, very particular person. Everything about its design is just perfect. The architecture itself is a work of art. It is with the very highest rating that I unconditionally recommend them for any such project. Just one warning though, they get things done with lightning speed."

Glenn Brandimarte, President
Phone: 814.684.8484



L.R. KIMBALL REFERENCES (continued)

Sheetz, Inc.

Ken Gardner

Sr. Project Manager

Phone: 814.239.1403

Projects: Long-term Client, New Headquarters & Training Center, Master Plan, Warehouse & Office, Renovations, 100+ stores (renovations and new construction)



Pennsylvania Turnpike Commission

Carl Mittereder

Manager, Facilities Design / Engineering

Phone: 717.831.7569

Projects: Various Projects including New Construction and Renovations under an Open-Ended Contract



Pennsylvania Department of Transportation

Michael Reiter, CFM

Northern Region Facilities Administrator

Phone: 717.831.7569

Projects: New PennDOT Maintenance Facility, Salt and Equipment Storage Buildings, Armstrong County, Kittanning, PA [PA DGS Project]



TRC REFERENCE

WV Department of Highways

Traci Cummings

Phone: 304.558.9678

Projects:

- NEPA Services, Middleway Bridge Replacement, State Project T602-51-9.34 00, Federal Project STP-0051(047)D, Berkley County, WV
- NEPA Services, WV 10 Operational Improvements, State Project U328-10-0.00 00 – Logan, Wyoming and Mercer Counties, WV
- Hazelton and Route 9 Mitigation Projects, Jefferson and Preston Counties, WV

Kimley Horn

Bob Jones

Phone: 303.228.2313

Project: Tri-State Airport Access Road Landslide & Rental Car Wash Facility, Huntington, WV

Rador Property Group

Kim McFadden

Phone: 215.704.0121

Project: Episcopal Cathedral Development, Philadelphia, PA

Bizzack Construction

Lester Wimpy

Phone: 859.543.3386

Project: US35: WV 869 to Mason County 40, Putnam and Mason Counties, WV

Cypress Creek Renewables

Harrison Netz, Civil Engineer

Phone: 816.401.0765

Project: Tree Replacement and Estimates of Probable Costs, Washingtonville, NY

STAFF CERTIFICATIONS



West Virginia State Board of Registration
for Professional Engineers

WESLEY D. HEVENER
WV PE [REDACTED]

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

EXPIRES December 31, 2020



West Virginia State Board of Registration
for Professional Engineers

GREGORY L. SCHROCK
WV PE [REDACTED]

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

EXPIRES December 31, 2020



West Virginia State Board of Registration
for Professional Engineers

CHRISTOPHER M. BOWERS
WV PE [REDACTED]

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

EXPIRES December 31, 2020

The West Virginia Board of Architects

certifies that

DIANE C. GLARROW

is registered and authorized to practice
Architecture in the State of West Virginia.

In testimony whereof this certificate has been issued
by the authority of this board.

Certificate Number: [REDACTED]

The registration is in good standing until June 30, 2019.



West Virginia State Board of Registration
for Professional Engineers

DAVID A. RISPOLI
WV PE [REDACTED]

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

EXPIRES December 31, 2020



[Signature]
Board Administrator



BUREAU OF PROFESSIONAL AND OCCUPATIONAL AFFAIRS

P. O. Box 2049
Harrisburg, PA 17108-2049
07/08/2018

License Information

BRAD STEVEN BUCKENDERFER

Nicktown, Pennsylvania [REDACTED]

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

Status Effective Date: 01/05/2018

License Type: Professional Engineer

Issue Date: 07/28/2006

Specialty Type:

Expiration Date: 09/30/2019

License Number: [REDACTED]

Last Renewal: 09/25/2017

Status: Active

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.



West Virginia State Board of Registration
for Professional Engineers

RYAN BRETT MEITZLER
WV PE [REDACTED]

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

EXPIRES December 31, 2020

2019 WEST VIRGINIA PROFESSIONAL SURVEYOR 2019

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 15A, Code of West Virginia, and has met the requirements for license renewal for the period ending June 30, 2019.

STEPHEN M. LANDGREBE, P.S.

Issued **July 1, 2018** Expires **June 30, 2019**

Board Members:
 Mike Shepp, PE, Chairman
 Nelson Douglas, PE, PS, Secretary
 Tom Rayburn, PS
 Seiton Stewart, PS
 Douglas McElwee, Eng.

Executive Director:
 Krist Justice

2019 State of West Virginia Board of Professional Surveyors
STEPHEN M. LANDGREBE
WV P.S. Lic. [REDACTED]
 Is a PROFESSIONAL SURVEYOR who has qualified for a license under Chapter 30, Article 15A, Code of West Virginia, and has met the requirements for license renewal for the period ending June 30, 2019.

Continuing Education §23CSR2 2019 PDH Summary

Hours Carried Over	0
Hours Claimed	24
Applied to 2018-2019	8
Approved Carry-Over	8
Minimum Standards	
Professional Ethics	

State of West Virginia Board of Professional Surveyors
 1724 Smith Street, Suite B127C
 Charleston, WV 25301
 Phone (304) 558-0350
 Fax (304) 558-0352
 Website www.wvbps.wv.gov
 Email wvbps@wv.gov

DLLR LICENSE * REGISTRATION * CERTIFICATION * PERMIT
STATE OF MARYLAND
 DEPARTMENT OF LABOR, LICENSING AND REGULATION
 STATE BOARD OF ARCHITECTS
 CERTIFIES THAT
ANDREW I. ROACH

IS AN AUTHORIZED: **04 - ARCHITECT**

LICENSING: 14177
 EXPIRATION: 07-07-2020
 EFFECTIVE: N/A

Signature of Board: *[Signature]*
 Secretary DLLR: *Kelly M. Schulz*

MAINTAINED BY LAW THIS MUST BE PROMINENTLY DISPLAYED IN OFFICE TO WHICH IT APPLIES

DEPARTMENT OF STATE

Welcome to the Professional Licensing System (PLS) for licensees. By using this system you are able to search for license information on individuals who are regulated by the Bureau of Professional and Occupational Affairs. This site is considered a primary source for the accuracy of license information provided by the Professional Department of State.

License Information

BRUCE EDWARD SCHMIT
 HAVREPORE, Pennsylvania [REDACTED]

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

Status Effective Date: 4/2/2019
 Issue Date: 3/27/2004
 Expiration Date: 6/30/2021
 Last Renewal: 4/2/2010

Disciplinary Action Details

No disciplinary actions were found for this license.

DPOR License Lookup License Number [REDACTED]

License Details

Name	KOPCHIK, GEORGE S
License Number	[REDACTED]
License Description	Surveyor Photogrammetrist License
Rank	Surveyor Photogrammetrist
Address	EBENSBURG, PA 15931
Initial Certification Date	2010-02-24
Expiration Date	2020-02-29

Related Licenses 1

License Number	License Holder Name	License Type	Relation Type	License Expiry
0407005753	CDI - INFRASTRUCTURE, LLC	Business Entity Registration	Land Surveying	2019-12-31

WEST VIRGINIA STATE BOARD OF LANDSCAPE ARCHITECTS
 This is to certify that

Michael Ross

having given satisfactory evidence of good moral character and being possessed of the necessary skill, training and experience is hereby granted the right and privilege to practice and use the title of

LANDSCAPE ARCHITECT
 in the State of West Virginia



In witness whereof we set our hand and seal this 15th day of February, 2019.

[Signature]
 Chairman

Number [REDACTED]

Licensure Verification

Search: Details

Name:	SHAWN DENNIS MCGEE
WV Professional Engineer:	PE License Number: [REDACTED]
	PE License Status: Active
	PE Issue Date: 06/15/2016
	PE Expiration Date: 12/31/2020

Licensure Verification

Search: Details

Name:	MELISSA L. GILLESPIE
WV Professional Engineer:	PE License Number: [REDACTED]
	PE License Status: Active
	PE Issue Date: 02/17/2010
	PE Expiration Date: 12/31/2020

CERTIFICATE OF
Authorization

STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS

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

TRC ENGINEERS, INC.
[REDACTED]

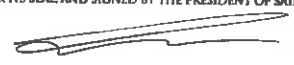
Engineer in Responsible Charge: DAVID E CLEVINGER - WV PE 010944 has complied with section §30-13-17 of the West Virginia Code governing the issuance of a Certificate of Authorization. The Board hereby notifies you of its certification with issuance of this Certification of Authorization for the period of:


January 1, 2018 - December 31, 2019

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

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

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


BOARD PRESIDENT



WEST VIRGINIA BOARD OF PROFESSIONAL SURVEYORS



Certificate of Authorization



CDI-Infrastructure, LLC dba L.R. Kimball
Ebensburg, Pennsylvania

CERTIFICATE OF AUTHORIZATION # [REDACTED]

This certificate is issued by the West Virginia Board of Professional Surveyors in accordance with W Va Code §30-13A-20
The person or organization identified on this certificate is licensed to conduct professional surveying and mapping services
in the State of West Virginia for the period

January 1, 2019 through December 31, 2019

This certificate is not transferrable and must be displayed at the office location for which issued.

In witness whereof, I have put my hand, this 31st day of December 2018

R. Michael Shepp, P.S., Chairman
James T. Rayburn, P.S., Member

2019



Sefton R. Stewart, P.S., Secretary
Gary D. Facemyer, P.E., P.S., Member

Douglas C. McElwee, Esq., Public Member

CERTIFICATE OF
Authorization

STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS

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

CDI-INFRASTRUCTURE, LLC DBA L. R. KIMBALL
[REDACTED]

Engineer in Responsible Charge: RICHARD E GENDAY - WV PE 013348

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

January 1, 2018 - December 31, 2019

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

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



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

BOARD PRESIDENT



New Steelheadquarters & Training Center, Tawburg, PA
Photo Credit: RBB Imaging

SECTION II - APPROACH AND METHODOLOGY



Innovation Park Multi-Tenant Office Buildings, State College, PA
Designed by L.R. Kimball

Project Approach

We believe that face-to-face discussions and reviews are an effective method of resolving issues related to the interface of a proposed design solution with applicable standards that can, in some instances, be open to interpretation. This approach is also a benefit to a client's understanding of the rationale that drives the design.

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 commercial facility experience. The following provides a brief overview of our project management approach to the key project components of scope, time, cost, quality, communications, and risk.

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.

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 commercial 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.

Design Development Phase

In the Design Development Phase, the emphasis moves from contextual to more detailed concerns. It should be emphasized that while a great number of decisions are made in the Design Development Phase, they should be within the context of conceptual decisions made in the Schematic Design Phase.

The Design Development Phase is best characterized by the work product at the completion of the phase. It must be developed to the point that the construction drawings and specifications can be started. In many firms, Design Development plans become the base sheets for working drawings.

Accordingly:

- Site drawings are developed to show building location and access, circulation, site grading, and planting.
- The architectural solution is developed to the point where all spaces are delineated and dimensioned.
- Sections and elevations are developed to identify materials and clearances for building structural, mechanical, and electrical systems.
- A complete outline specification is developed.
- The probable construction cost is updated to assure consistency with budgetary goals.
- Tentative bid packaging must be confirmed with the owner and construction manager (if applicable).
- Phasing plan may be modified.

Before commencing the Construction Documents Phase, documents must be checked against regulations of all agencies having jurisdiction over the project. Where possible, this should also be done at the end of each phase prior to starting the subsequent phase.

Design Development Phase Deliverables

- Drawings and outline specifications and other documents to fix and describe the size and character of the project for all related disciplines.
- A detailed Statement of Probable Construction Cost.
- A project schedule indicating milestone completion dates.
- Reconciliation of differences between the construction budget and the detailed Statement of Probable Construction Cost.
- Provide paper copies of the Design Development documents and an electronic PDF of all Design Development documentation.

Construction Documents Phase

During this phase, the Architect prepares final drawings and a project manual that includes complete specifications. All drawings and documents are checked for coordination with associated disciplines and consistency with programmatic goals and objectives. Each consultant will develop an updated Statement of Probable Construction Cost.

In more simple terms, this phase of the project includes the following basic activities:

- Completion of the Contract Documents
- Preparation for Bidding of the Construction Contracts
- Preparation for Construction

Coordination and integration of the three activities in the Construction Documents Phase is essential.

The purpose of phased developments of architectural projects is to establish an ordered sequence of decision making prior to the start of the final construction documents. If the process proceeds in the proper sequence, the Construction Documents Phase should be largely dedicated to production.

The bidding and construction sequencing or phasing of work and scheduling must be finalized within this phase. Impacts of scheduling become more acute and must be thoroughly discussed relative to their implications with regard to cost and market conditions.

Throughout all phases of the design process, L.R. Kimball considers value engineering a technique that focuses on eliminating items that create added cost to a building program without added value. Each expenditure that relates to the function of the facility is evaluated as to its life cycle cost.



Construction Documents Phase Deliverables

- Adjust the design, systems, and/or materials as necessary to conform with required agency review comments and the schematic cost estimate.
- Provide paper copies of the 95% construction documents and an electronic PDF of all Construction Documents documentation.
- Incorporate any additional review comments by the Client into the final bid documents.

Cost is the total cost of materials, finishes, systems, equipment, labor, and the contractors' overhead and profit. Quality is the measure of a material, finish, system, or equipment's attributes and life value.

Time is the period that is required to bring the project to completion and occupancy.

It is important to understand that any one of these factors can be the basis for a decision, but not all three. Frequently, value engineering is used to simply cut cost. Used as intended, this approach has the ability to bring considerable benefit to projects. Value engineering in the early stages of design is often delivered in a workshop involving the owner, architect, engineer, and cost estimator. The value engineering plan involves:

- **Information:** All information about the project is assembled and reviewed.
- **Function:** The intended functions of the proposed facility are analyzed with associated costs. Value criteria are defined.
- **Creative Phase:** Ideas for alternatives that would improve value or save cost are identified in a brainstorming session.
- **Evaluation:** The ideas are evaluated against value criteria

Value Engineering

Having worked with this project type for over 40 years, we have had the opportunity to be involved in the value engineering process on virtually all of those projects. Many projects involved construction managers whose primary role in design was cost estimating and value engineering. In working with construction managers and projects without, we have had a varied and vast exposure to alternatives in systems, finishes, and materials and their impact on first and long-term costs.

Alternatives are available to the Client. The key to choosing the appropriate alternative is identifying and prioritizing the factors of the decision. Typically, there are three drivers in any project. They are cost, quality, and time.



identified earlier. Those ideas that have merit are carried forward.

- **Development:** The ideas deemed to have merit are then further developed and estimates for both first capital cost and long-term life cycle costs are prepared.

At the conclusion of this process, a report is prepared and decisions are made about implementation. In some cases, value engineering can happen later in the process when a contractor is on board. Contractors often propose more economical approaches to achieving the specified performance. These must be carefully evaluated and, if the suggested alternative meets or exceeds specified criteria, cost savings are typically shared. Since cost savings in one area may increase costs in another, factors other than the specified performance must also be carefully considered.

In summary, having worked with this building type for a period of over 40 years, many of these value engineering options have been explored and tested in practice. Ideas came from owners, contractors, construction managers, and cost estimators as well as our architects and engineers.

Bidding and Award Phase

The Architect's role in the Bidding Phase is to advise the Owner on the best course of action and to recommend methods of sequencing and packaging of bids for the project. The Architect will be involved in a pre-bid conference to assure the understanding of the project and scope of individual bid packages by prospective bidders. Certain clarification or changes may be required as a

result of questions posed by prospective bidders, necessitating the issue of addenda.

Bidding and Award Phase Deliverables

- Assist the Client in the preparation of documents necessary for bidding.
- Provide approved drawings and specifications as required for government approvals, filings, or as requested by the Client.

Construction Documents Phase

Careful administration of the construction contracts is invaluable to a quality product delivered on time. Effective communication among the owner, contractor, construction manager (if applicable), and Architect is imperative. To that end, communication procedures must be formalized for job conferences, correspondence, schedules, notices, requisitions, etc. and must be channeled along specific routes.

During the Construction Phase, the Architect visits the site at intervals appropriate to the stage of construction. The Architect reviews the contractor's proposals for changes and prepares change orders for the owner's approval. The Architect is the agent of the owner and, as such, transmits directives and instructions to the contractor.

Shop drawings and material submissions are reviewed. The Architect assists in obtaining a certificate of occupancy when the

contractor issues written notice that all work has been completed. The Architect develops a punchlist of non-conforming work that must be completed or corrected.

Construction Administration Phase Deliverables

- Conduct construction progress meetings and provide minutes.
- Conduct site visits at appropriate intervals to evaluate construction as to conformance with the intent of the construction documents.
- Advise on tests and/or inspections.
- Review and prepare bulletins and change orders.
- Monitor project costs.
- Prepare construction punchlist.
- Compile all closeout documentation for the Client.

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 / Virtual Reality

The BIM model is a tool that is meant for the entire life cycle of the building. It is the process of generating and managing building data. Typically, it uses three dimensional, real-time, dynamic building software to improve the quality and visualization in the building design process. Architects and engineers work together on one three-dimensional model, integrating building architecture, site, structure, building systems, and building component attributes into one database. The model encompasses building geometry, spatial relationships, geographic information, and quantities and properties of building components. The BIM model allows real-time tracking of building materials and systems, ensuring a more comprehensive and accurate estimate throughout the various project phases. The BIM model can also be an effective tool for maintaining and operating buildings after they are complete.

L.R. Kimball is also using Revit to create a 3D experience for our clients. L.R. Kimball has worked for the past several years to integrate visualization into both the design and documentation phases of BIM work on projects. Recent advances in hardware & software allow for real-time visualization in working Revit BIM models. Output options range from still images and animations to stand alone executables that allow for virtual experiences, including immersive use of the latest VR headsets from Oculus & HTC, allowing the client to experience their project before construction.

Additional Information

CDI-Infrastructure, LLC dba L.R. Kimball representatives have reviewed the request for proposal thoroughly. Upon selection, L.R. Kimball requests the opportunity to negotiate mutually beneficial terms and conditions.



www.StateCollegeMonroneyBuilding.StateCollege.PA



The Greater Johnstown Technology Park & Riverwalk
Johnstown, PA

SECTION III - FORMS / ADDITIONAL INFORMATION



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

State of West Virginia
 Centralized Expression of Interest
 02 - Architect/Engr

Proc Folder: 568443

Doc Description: Addendum 1 - A/E Services for New District VI Office Complex

Proc Type: Central Contract - Fixed Amt

Date Issued	Solicitation Closes	Solicitation No	Version
2019-04-12	2019-04-30 13:30:00	CEOI 0310 DNR1900000010	2

BID RECEIVING LOCATION

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

VENDOR

Vendor Name, Address and Telephone Number:

CDI-Infrastructure, LLC dba L.R. Kimball
 615 West Highland Avenue
 Ebensburg, PA 15931
 814-419-7897

FOR INFORMATION CONTACT THE BUYER

Brittany E Ingraham
 (304) 558-2157
 brittany.e.ingraham@wv.gov

Signature X

FEIN # 27-2620523

DATE April 24, 2019

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
 (Name, Title)
Megan Polinsky, Contract Administrator
 (Printed Name and Title)
615 West Highland Avenue, Ebensburg, PA 15931
 (Address)
814-419-7891 814-472-7712
 (Phone Number) / (Fax Number)
megan.polinsky@lrkimball.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.

CDI-Infrastructure, LLC dba L.R. Kimball

(Company)

Richard E. Genday
 (Authorized Signature) (Representative Name, Title)

Richard E. Genday, PE, Vice President

(Printed Name and Title of Authorized Representative)

April 24, 2019

(Date)

814-419-7873 814-472-7712

(Phone Number) (Fax Number)

ADDENDUM ACKNOWLEDGEMENT FORM
SOLICITATION NO.: CEOI DNR19*10

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:

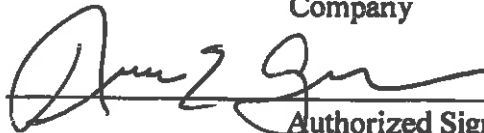
(Check the box next to each addendum received)

- | | |
|--|--|
| <input type="checkbox"/> Addendum No. 1 | <input type="checkbox"/> Addendum No. 6 |
| <input checked="" 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 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

April 29, 2019 *REG*

Date

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

Revised 6/8/2012



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

State of West Virginia
 Centralized Expression of Interest
 02 - Architect/Engr

Proc Folder: 568443

Doc Description: A/E Services for New District VI Office Complex

Proc Type: Central Contract - Fixed Amt

Date Issued	Solicitation Closes	Solicitation No	Version
2019-04-08	2019-04-30 13:30:00	CEOI 0310 DNR1900000010	1

BID RECEIVING LOCATION

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

VENDOR

Vendor Name, Address and Telephone Number:

CDI-Infrastructure, LLC dba L.R. Kimball
 615 West Highland Avenue
 Ebensburg, PA 15931
 814-419-7897

FOR INFORMATION CONTACT THE BUYER

Brittany E Ingraham
 (304) 558-2157
 brittany.e.ingraham@wv.gov

Signature X  FEIN # 27-2620523 DATE April 24, 2019

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

West Virginia Ethics Commission Disclosure of Interested Parties to Contracts

(Required by W. Va. Code § 6D-1-2)

Name of Contracting Business Entity: CDI-Infrastructre, LLC Address: 1735 Market Street, Suite 200
dba L.R. Kimball

Philadelphia, PA 19103

Name of Authorized Agent: Richard E. Genday Address: 615 West Highland Avenue
Ebensburg, PA 15931

Contract Number: CEOI 0310 DNR 1900000010

Contract Description: A/E Services for New District VI
Office Complex

Governmental agency awarding contract: West Virginia Department of Administration/Purchasing
West Virginia Division of Natural Resources

Check here if this is a Supplemental Disclosure

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

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

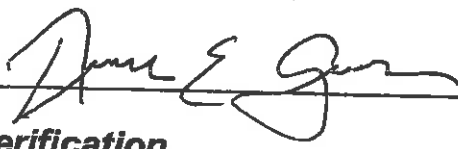
Check here if none, otherwise list entity/individual names below.
TRC Engineers, Inc.

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

Check here if none, otherwise list entity/individual names below.
CDI Infrastructure Holdings, Inc.

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

Check here if none, otherwise list entity/individual names below.
Richard E. Genday, Vice President

Signature: 

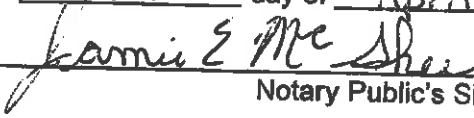
Date Signed: 4.24.19

Notary Verification

State of Pennsylvania, County of Cambria:

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

Taken, sworn to and subscribed before me this 24 day of April, 2019.

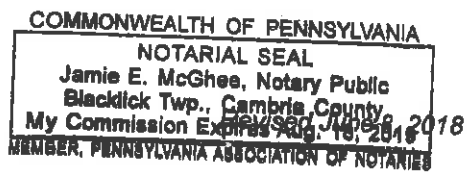

Notary Public's Signature

To be completed by State Agency:

Date Received by State Agency: _____

Date submitted to Ethics Commission: _____

Governmental agency submitting Disclosure: _____



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: 4.24.19

State of Pennsylvania

County of Cambria, to-wit:

Taken, subscribed, and sworn to before me this 24 day of April, 2019.

My Commission expires August 18, 2019.

AFFIX SEAL HERE
COMMONWEALTH OF PENNSYLVANIA
NOTARIAL SEAL
Jamie E. McGhee, Notary Public
Blacklick Twp., Cambria County
My Commission Expires Aug. 18, 2019
MEMBER, PENNSYLVANIA ASSOCIATION OF NOTARIES

NOTARY PUBLIC *[Signature]*
Purchasing Affidavit (Revised 01/19/2018)