

L.R. Kimball®

TARGETED RESULTS. EXPERTLY MANAGED.
WE STAKE OUR REPUTATION ON IT.

A CDI Company

June 14, 2012

State of West Virginia
Department of Administration
Purchasing Division
Building 15
2019 Washington Street, East
P.O. Box 50130
Charleston, WV 25305-0130

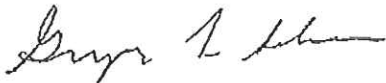
Attention: Ms. Tara Lyle

Re: Expression of Interest to Provide Professional Architectural Engineering Design Services
for the WV Division of Corrections, St. Marys Correctional Center
St Marys, West Virginia - RFQ No. COR61531

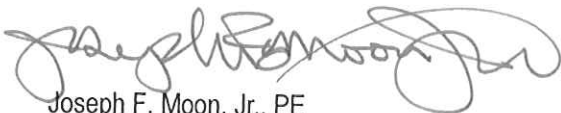
L.R. Kimball is pleased to submit this Expression of Interest for the above-referenced project. As you can see by our attached Firm Overview, Qualifications, and Project Experience, L.R. Kimball has experience with correctional design throughout the United States. L.R. Kimball can provide all the services required for your project including surveying, environmental, geotechnical, civil, structural, architectural, plumbing, and wastewater studies and design applications to meet the needs of your facility and oversee the implementation of the design during construction. The experience and in-house capabilities enable our firm to provide a seamless well-managed effort and rewarding project for the client.

We welcome the opportunity to discuss our qualifications with you. Should you have any questions or require additional information, please contact us at 814-472-7700, by fax at 814-472-7712, or by e-mail at Greg.Schrock@lrkimball.com.

Sincerely,



Gregory L. Schrock, PE, CPESC, CPSWPPP
Project Manager



Joseph F. Moon, Jr., PE
Operations Manager

GLS/pak

K:\EBG_T_DRIVE\Proposals_Presentations\C_e\Y2012\Proposals\E45 Water-Wastewater\WV Division of Corrections\Cover Letter.docx

RECEIVED

2012 JUN 19 AM 9:47

WV PURCHASING
DIVISION

ARCHITECTURE • ENGINEERING • COMMUNICATIONS TECHNOLOGY
AVIATION | CIVIL | CONSTRUCTION SERVICES | DATA SYSTEMS | ENVIRONMENTAL
FACILITIES ENGINEERING | GEOSPATIAL | NETWORKS | PUBLIC SAFETY | TRANSPORTATION

L.R. Kimball Headquarters • 615 West Highland Avenue • P.O. Box 1000 • Ebensburg, PA 15931 • Phone: 814.472.7700 • Fax: 814.472.7712 • www.lrkimball.com



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

**Request for
 Quotation**

RFP NUMBER
 COR61531

PAGE
 1

ADDRESS CORRESPONDENCE TO ATTENTION OF
 TARA LYLE
 304-558-2544

REC COPY
 Greg Schrock
 LR Kimball
 615 West Highland Avenue
 Ebensburg, PA 15931

DIVISION OF CORRECTIONS
 ST. MARYS CORRECTIONAL CENTER
 (COLIN ANDERSON CENTER)
 STATE ROUTE 2
 ST. MARYS, WV
 26170 304-558-2036

DATE PRINTED	TERMS OF SALE	SHIP VIA	FOB	FREIGHT TERMS
04/20/2012				

BID OPENING DATE: 06/12/2012 BID OPENING TIME: 01:30PM

LINE	QUANTITY	UOP	QTY. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
0001	1	JOB		906-00-00-001		
<p>ARCHITECT/ENGINEERING SERVICES, PROFESSIONAL</p> <p>EXPRESSION OF INTEREST (EOI)</p> <p>THE WEST VIRGINIA PURCHASING DIVISION FOR THE AGENCY, WV DIVISION OF CORRECTIONS, IS SOLICITING EXPRESSIONS OF INTEREST FOR PROFESSIONAL ARCHITECTURAL ENGINEERING DESIGN SERVICES TO CORRECT VARIOUS ISSUES DEALING WITH A GREASE TRAP, MURFIN MONSTER, STORM WATER LINES, SEWER LINES AND OTHER PROJECTS AT THE ST. MARYS CORRECTIONAL CENTER PER THE ATTACHED SPECIFICATIONS.</p> <p>TECHNICAL QUESTIONS MUST BE SUBMITTED IN WRITING TO TARA LYLE VIA MAIL AT THE ADDRESS SHOWN IN THE BODY OF THIS EOI, VIA FAX AT 304-558-4115, OR VIA EMAIL AT TARA.L.LYLE@WV.GOV.</p> <p>DEADLINE FOR ALL TECHNICAL QUESTIONS IS 05/23/2012 AT THE CLOSE OF BUSINESS. ANY TECHNICAL QUESTIONS RECEIVED WILL BE ANSWERED BY FORMAL ADDENDUM ISSUED BY THE PURCHASING DIVISION AFTER THE DEADLINE HAS LAPSED.</p> <p>MANDATORY PRE-BID</p> <p>A MANDATORY PRE-BID WILL BE HELD ON 05/15/2012 AT 10:30 AM AT THE ST. MARYS CORRECTIONAL CENTER. ALL INTERESTED PARTIES ARE REQUIRED TO ATTEND THIS MEETING. FAILURE TO ATTEND THE MANDATORY PRE-BID SHALL RESULT IN DISQUALIFICATION OF THE BID. NO ONE PERSON MAY</p>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE <i>Joseph F. Moon, Jr.</i>	Joseph F. Moon, Jr., PE	TELEPHONE 412-262-5400	DATE June 14, 2012
TITLE Operations Manager	PEN 27-2620523	ADDRESS CHANGES TO BE NOTED ABOVE	

WHEN RESPONDING TO RFQ, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'



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

**Request for
 Quotation**

RFQ NUMBER:
 COR61531

PAGE:
 2

ADDRESS CORRESPONDENCE TO ATTENTION OF:
 TARA LYLE
 304-558-2544

RFQ COPY
 TYPE NAME/ADDRESS HERE
 L.R. Kimball
 615 W. Highland Avenue
 Ebensburg, PA 15931

DIVISION OF CORRECTIONS
 ST. MARYS CORRECTIONAL CENTER
 (COLIN ANDERSON CENTER)
 STATE ROUTE 2
 ST. MARYS, WV
 26170
 304-558-2036

DATE PRINTED:	TERMS OF SALE	SHIP VIA	FOB	FREIGHT TERMS
04/20/2012				
BID OPENING DATE: 06/12/2012		BID OPENING TIME 01:30PM		

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
<p>REPRESENT MORE THAN ONE BIDDER.</p> <p>AN ATTENDANCE SHEET WILL BE MADE AVAILABLE FOR ALL POTENTIAL BIDDERS TO COMPLETE. THIS WILL SERVE AS THE OFFICIAL DOCUMENT VERIFYING ATTENDANCE AT THE MANDATORY PRE-BID. FAILURE TO PROVIDE YOUR COMPANY AND REPRESENTATIVE NAME ON THE ATTENDANCE SHEET WILL RESULT IN DISQUALIFICATION OF THE BID. THE STATE WILL NOT ACCEPT ANY OTHER DOCUMENTATION TO VERIFY ATTENDANCE. THE BIDDER IS RESPONSIBLE FOR ENSURING THEY HAVE COMPLETED THE INFORMATION REQUIRED ON THE ATTENDANCE SHEET. THE PURCHASING DIVISION AND THE STATE AGENCY WILL NOT ASSUME ANY RESPONSIBILITY FOR A BIDDER'S FAILURE TO COMPLETE THE PRE-BID ATTENDANCE SHEET. IN ADDITION, WE REQUEST THAT ALL POTENTIAL BIDDERS INCLUDE THEIR E-MAIL ADDRESS AND FAX NUMBER.</p> <p>ALL POTENTIAL BIDDERS ARE REQUESTED TO ARRIVE PRIOR TO THE STARTING TIME FOR THE PRE-BID. BIDDERS WHO ARRIVE LATE, BUT PRIOR TO THE DISMISSAL OF THE TECHNICAL PORTION OF THE PRE-BID WILL BE PERMITTED TO SIGN IN. BIDDERS WHO ARRIVE AFTER CONCLUSION OF THE TECHNICAL PORTION OF THE PRE-BID, BUT DURING ANY SUBSEQUENT PART OF THE PRE-BID WILL NOT BE PERMITTED TO SIGN THE ATTENDANCE SHEET.</p> <p>CANCELLATION: THE DIRECTOR OF PURCHASING RESERVES THE RIGHT TO CANCEL THIS CONTRACT IMMEDIATELY UPON WRITTEN NOTICE TO THE VENDOR IF THE COMMODITIES AND/OR SERVICES SUPPLIED ARE OF AN INFERIOR QUALITY OR DO NOT CONFORM TO THE SPECIFICATIONS OF THE BID AND CONTRACT HEREIN.</p> <p>BANKRUPTCY: IN THE EVENT THE VENDOR/CONTRACTOR FILES FOR BANKRUPTCY PROTECTION, THE STATE MAY DEEM THE CONTRACT NULL AND VOID, AND TERMINATE SUCH CONTRACT WITHOUT FURTHER ORDER.</p>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE: *Joseph F. Moon, Jr.* Joseph F. Moon, Jr., PE TELEPHONE: 412-262-5400 DATE: June 14, 2012

TITLE: Operations Manager FEIN: 27-2620523 ADDRESS CHANGES TO BE NOTED ABOVE

WHEN RESPONDING TO RFQ, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'



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

Request for Quotation

RFQ NUMBER
 COR61531

PAGE
 3

ADDRESS CORRESPONDENCE TO ATTENTION OF
 TARA LYLE
 304-558-2544

RFQ COPY
 TYPE NAME/ADDRESS HERE
 L.R. Kimball
 615 W. Highland Avenue
 Ebensburg, PA 15931

DIVISION OF CORRECTIONS
 ST. MARYS CORRECTIONAL CENTER
 (COLIN ANDERSON CENTER)
 STATE ROUTE 2
 ST. MARYS, WV
 26170 304-558-2036

DATE PRINTED	TERMS OF SALE	SHIP VIA	FOB	FREIGHT TERMS
04/20/2012				
BID OPENING DATE: 06/12/2012		BID OPENING TIME 01:30PM		

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
<p>ANY INDIVIDUAL SIGNING THIS BID IS CERTIFYING THAT: (1) HE OR SHE IS AUTHORIZED BY THE BIDDER TO EXECUTE THE BID OR ANY DOCUMENTS RELATED THERETO ON BEHALF OF THE BIDDER, (2) THAT HE OR SHE IS AUTHORIZED TO BIND THE BIDDER IN A CONTRACTUAL RELATIONSHIP, AND (3) THAT THE BIDDER HAS PROPERLY REGISTERED WITH ANY STATE AGENCIES THAT MAY REQUIRE REGISTRATION.</p> <p>NOTICE</p> <p>A SIGNED BID MUST BE SUBMITTED TO: DEPARTMENT OF ADMINISTRATION PURCHASING DIVISION BUILDING 15 2019 WASHINGTON STREET, EAST CHARLESTON, WV 25305-0130</p> <p>THE BID SHOULD CONTAIN THIS INFORMATION ON THE FACE OF THE ENVELOPE OR THE BID MAY NOT BE CONSIDERED: SEALED BID</p> <p>BUYER:-----TL/32-----</p> <p>RFQ. NO.:-----COR61531-----</p> <p>BID OPENING DATE:-----06/12/2012-----</p> <p>BID OPENING TIME:-----1:30 PM-----</p>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS.

SIGNATURE *Joseph F. Moon, Jr.* Joseph F. Moon, Jr., PE TELEPHONE 412-262-5400 DATE June 14, 2012
 TITLE Operations Manager FEIN 27-2620523 ADDRESS CHANGES TO BE NOTED ABOVE

WHEN RESPONDING TO RFQ, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'



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

**Request for
 Quotation**

RFQ NUMBER
 COR61531

PAGE
 4

ADDRESS CORRESPONDENCE TO ATTENTION OF
 TARA LYLE
 304-558-2544

RFQ COPY
 TYPE NAME/ADDRESS HERE
 L.R. Kimball
 615 W. Highland Avenue
 Ebensburg, PA 15931

DIVISION OF CORRECTIONS
 ST. MARYS CORRECTIONAL CENTER
 (COLIN ANDERSON CENTER)
 STATE ROUTE 2
 ST. MARYS, WV
 26170 304-558-2036

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
04/20/2012				

BID OPENING DATE: 06/12/2012 BID OPENING TIME 01:30PM

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
PLEASE PROVIDE A FAX NUMBER IN CASE IT IS NECESSARY TO CONTACT YOU REGARDING YOUR BID: ----- 814-472-7712 ----- CONTACT PERSON (PLEASE PRINT CLEARLY): ----- Gregory L. Schrock, PE ----- ***** THIS IS THE END OF RFQ COR61531 ***** TOTAL:						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE <i>Joseph F. Moon, Jr.</i>	Joseph F. Moon, Jr., PE	TELEPHONE 412-262-5400	DATE June 14, 2012
TITLE Operations Manager	FERN 27-2620523	ADDRESS CHANGES TO BE NOTED ABOVE	

WHEN RESPONDING TO RFQ, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'



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

Request for Quotation

RFQ NUMBER
 COR61531

PAGE
 1

ADDRESS CORRESPONDENCE TO ATTENTION OF:
 TARA LYLE
 304-558-2544

VENDOR

RFQ COPY
 TYPE NAME/ADDRESS HERE

L.R. Kimball
 615 W. Highland Avenue
 Ebensburg, PA 15931

SHIP TO

DIVISION OF CORRECTIONS
 ST. MARYS CORRECTIONAL CENTER
 (COLIN ANDERSON CENTER)
 STATE ROUTE 2
 ST. MARYS, WV
 26170
 304-558-2036

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
05/31/2012				

BID OPENING DATE: 06/12/2012 BID OPENING TIME 01:30PM

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
ADDENDUM NO. 1						
1. QUESTIONS AND ANSWERS ARE ATTACHED.						
2. ADDENDUM ACKNOWLEDGEMENT IS ATTACHED. THIS DOCUMENT SHOULD BE SIGNED AND RETURNED WITH YOUR BID. FAILURE TO SIGN AND RETURN MAY RESULT IN DISQUALIFICATION OF YOUR BID.						
END OF ADDENDUM NO. 1						
0001	1	JB		906-00-00-001		
ARCHITECT/ENGINEERING SERVICES, PROFESSIONAL						
***** THIS IS THE END OF RFQ COR61531 ***** TOTAL:						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE 	Joseph F. Moon, Jr., PE	TELEPHONE 412-262-5400	DATE June 14, 2012
TITLE Operations Manager	FEIN 27-2620523	ADDRESS CHANGES TO BE NOTED ABOVE	

WHEN RESPONDING TO RFQ, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'



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

Request for Quotation

RFQ NUMBER
 COR61531

PAGE
 1

ADDRESS CORRESPONDENCE TO ATTENTION OF
 TARA LYLE
 304-558-2544

*805102853 01 814-867-4566

VENDOR
 L R KIMBALL
 615 WEST HIGHLAND AVE
 PO BOX 1000
 EBENSBURG PA 15931-1048

SHIP TO
 DIVISION OF CORRECTIONS
 ST. MARYS CORRECTIONAL CENTER
 (COLIN ANDERSON CENTER)
 STATE ROUTE 2
 ST. MARYS, WV
 26170
 304-558-2036

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B	FREIGHT TERMS
06/07/2012				

BID OPENING DATE: 06/19/2012 BID OPENING TIME 01:30PM

LINE	QUANTITY	UOP	CAT. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
				ADDENDUM NO. 2		
				1. THIS ADDENDUM ISSUED TO ADD TERMS AND CONDITIONS PER THE ATTACHED.		
				2. TO MOVE THE BID OPENING DATED FROM 06/12/2012 TO 06/19/2012.		
				3. ADDENDUM ACKNOWLEDGEMENT IS ATTACHED. THIS DOCUMENT SHOULD BE SIGNED AND RETURNED WITH YOUR BID. FAILURE TO SIGN AND RETURN MAY RESULT IN DISQUALIFICATION OF YOUR BID.		
				END OF ADDENDUM NO. 2		
001	1	JB		906-00-00-001		
				ARCHITECT/ENGINEERING SERVICES, PROFESSIONAL		
				***** THIS IS THE END OF RFQ COR61531 ***** TOTAL:		

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE *Joseph F. Moon, Jr.* Joseph F. Moon, Jr., PE TELEPHONE 412-262-5400 DATE June 14, 2012
 TITLE Operations Manager FEIN 27-2620523 ADDRESS CHANGES TO BE NOTED ABOVE

WHEN RESPONDING TO RFQ, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'

EXHIBIT 10

REQUISITION NO.:

ADDENDUM ACKNOWLEDGEMENT

I HEREBY ACKNOWLEDGE RECEIPT OF THE FOLLOWING CHECKED
ADDENDUM(S) AND HAVE MADE THE NECESSARY REVISIONS TO MY
PROPOSAL, PLANS AND/OR SPECIFICATION, ETC.

ADDENDUM NO.'S:

NO. 1X

NO. 2X

NO. 3

NO. 4

NO. 5

I UNDERSTAND THAT FAILURE TO CONFIRM THE RECEIPT OF THE
ADDENDUM(S) MAY BE CAUSE FOR REJECTION OF BIDS. VENDOR
MUST CLEARLY 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.



SIGNATURE

L.R. Kimball
.....
COMPANY

June 14, 2012
.....
DATE

RFQ No. COR61531

STATE OF WEST VIRGINIA
Purchasing Division

PURCHASING AFFIDAVIT

West Virginia Code §5A-3-10a states: 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 the debt owed is an amount greater than one thousand dollars in the aggregate.

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.


"Debtor" means any individual, corporation, partnership, association, limited liability company or any other form or business association owing a debt to the state or any of its political subdivisions. "Political subdivision" means any county commission; municipality; county board of education; any instrumentally established by a county or municipality; any separate corporation or instrumentally established by one or more counties or municipalities, as permitted by law; or any public body charged by law with the performance of a government function or whose jurisdiction is coextensive with one or more counties or municipalities. "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.

EXCEPTION: The prohibition of this section does not apply where a vendor has contested any tax administered pursuant to chapter eleven of this 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.

Under penalty of law for false swearing (West Virginia Code §61-5-3), it is hereby certified that the vendor affirms and acknowledges the information in this affidavit and is in compliance with the requirements as stated.

WITNESS THE FOLLOWING SIGNATURE

Vendor's Name: CDI-Infrastructure dba L.R. Kimball

Authorized Signature:  Date: June 13, 2012

State of Pennsylvania

County of Cambria, to-wit:

Taken, subscribed, and sworn to before me this 13th day of June, 2012.

My Commission expires April 26, 2015

AFFIX SEAL HERE

NOTARY PUBLIC



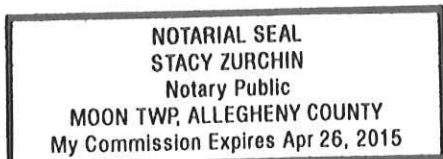


TABLE OF CONTENTS

FIRM OVERVIEW.....1

QUALIFICATIONS.....3

PERSONNEL.....11

PROJECT EXPERIENCE.....37

SCOPE OF WORK.....43

FIRM OVERVIEW

Established in 1953, *L.R. Kimball* is among the nation's leading professional service companies offering expertise in *architecture, engineering and communications technology*.

Headquartered in Ebensburg, Pennsylvania, L.R. Kimball employs more than 300 people at 11 locations in Pennsylvania, New Jersey, Texas, West Virginia, and Virginia.

Working with local, regional, state and federal government agencies, as well as school districts, universities, private businesses and industry, L.R. Kimball has served over 1,500 clients in the following areas:

- Architecture
- Aviation
- Civil Engineering
- Construction Services
- Data Systems
- Environmental Services
- Facilities Engineering
- Geospatial Services
- Networks
- Public Safety
- Transportation

L.R. Kimball is a business unit of CDI Global Engineering and Technology Solutions which offers project management, engineering design services, and engineering staffing solutions to firms in the aerospace, government services, infrastructure, life sciences and process and industrial markets. From the design of commercial aircraft platforms to the complete design and project management of an alternative energy plant, CDI Global Engineering and Technology Solutions enjoys long-term alliances with its customers and provides a cost-effective, single-source of engineering services and professional staffing.

L.R. Kimball's Primary Services

L.R. Kimball is organized into three operating divisions. The operating divisions include: *Architecture and Engineering, Transportation and Environmental, and Communications Technology*. A division manager and operations manager(s) supervise the operating divisions. Each division has senior technical leaders and project managers who direct the staff and market segment leaders and a business development team to focus on the division's sales efforts.



Architecture and Engineering

L.R. Kimball has been building an outstanding reputation in architecture and civil engineering consulting services since the 1950's. Our wide spectrum of clients includes school districts, universities, utilities, industries, institutions, commercial facilities, private developers, and military and governmental agencies. Beginning with the client, our project team conducts assessments and planning, siting, testing, permitting, design, and construction monitoring with the goal of creating innovative solutions to complex issues.

Services provided include innovative design for new buildings, as well as remodeling and adaptive re-use of existing buildings. Traditional architectural services are provided for design, preparation of contract documents, bid and negotiation, construction administration phases, programming, feasibility studies, master plan studies, and code compliance studies. L.R. Kimball has received special recognition, awards, and accolades from leading organizations and publications for our design capabilities. This recognition underscores the fact that L.R. Kimball tempers its designs to be functional and with an eye to future needs and expansions. Cost-effective solutions are designed not only with aesthetics in mind, but also to meet the specific environmental needs of the people who work, learn, or live within the creation.



Our services also include full engineering support for facility and site designs, geotechnical investigations and analysis. These projects run the gamut of multimillion-dollar commercial, resort, and hotel developments; industrial park and office complex developments; subdivisions; water and wastewater facilities; military facilities; solid waste disposal operations; industrial facilities; electric power generation and transmission; and manufacturing facilities. We also assist our clients with planning, financing options, grant assistance, cost of service studies, construction monitoring, and operations consulting.



Transportation and Environmental

L.R. Kimball's reputation in transportation and environmental services is unsurpassed. Our staff is comprised of highly trained professionals. We provide clients with a full range of services, including planning, feasibility, environmental design, site assessments, hazardous materials management, employee health and safety management, environmental permitting, and construction management. Our expertise ranges from project types including airports, highways, bridges, environmental, and traffic services; to full engineering support for land development projects.



We also offer Geospatial services including: surveying, aerial photography, digital aerotriangulation, digital photogrammetry mapping, digital orthophoto production, and GIS. Our mapping operation is supported by a qualified staff of technical personnel with many years of experience performing many types of surveying, mapping and related Geospatial services. Throughout the years, L.R. Kimball has evolved to meet the ever-changing needs of our clients, from traditional land surveys to the advanced digital mapping, remote sensing and GIS applications. We have the capacity, expertise and equipment resources to undertake projects of varying sizes and technical complexity.



Communications Technology

As a full-service technology engineering and consulting firm, we provide our clients with expertise in virtually every aspect of communication system planning, implementation, and operation. L.R. Kimball carefully researches our clients' needs and determines the best solution that addresses long-term requirements in a cost-effective manner. The services we provide are related to telephony data and video system planning and development. They include automated systems, wireless communications engineering, public safety and 9-1-1 consulting, inside plant, and LAN/WAN planning and design.

QUALIFICATIONS

Architectural



The architectural services provided by L.R. Kimball include innovative design for new buildings as well as renovation and adaptive reuse of existing buildings. Traditional architectural and full engineering services are provided in-house for design, preparation of contract documents, bid/negotiation, construction administration phases, programming, feasibility studies, master plan studies, High-Performance Green Building design, and Americans with Disabilities Act (ADA) compliance studies. We offer a stable, multidisciplinary staff that has worked cohesively on hundreds of comprehensive design projects over many years. Our architectural staff includes registered architects and intern architects and designers as well as interior designers, specification writers, and support staff.



Our architectural expertise includes the successful construction of many different building types, such as:

- Correctional Facilities
- Parking Garages/Transportation Centers
- Conference/Training Facilities
- Commercial Buildings
- Administrative Office Buildings
- School Facilities
- Higher Education Facilities
- Athletic Facilities
- High-Rise Hotels
- Industrial/Manufacturing Buildings
- Parks and Recreational Facilities
- Courthouses
- Public Safety Buildings
- Residential Housing
- Retail Facilities
- Airport Terminals
- Student Housing

Other specific related services provided by the firm include:

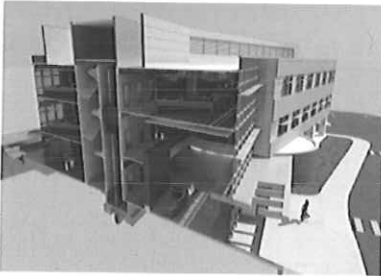
- ADA Compliance Studies
- Asbestos Abatement Studies
- Building Additions/Renovations
- Building Reroofing
- Energy Studies
- Feasibility Studies
- Interior Design
- Master Planning
- MEP System Design
- Programming/Facility Planning
- Security Design
- Site Selection
- Space Needs Analysis
- Structural Analysis/Design
- Telecommunications/Fiber Optics

Landscape Architecture



L.R. Kimball provides integrated design of lawns, plant materials, pathways, and site furnishings to complement the architecture of the campus, buildings, and the native environment. We also have experience in planning efforts including existing architecture and site elements, land use analysis, and site/master planning for new facilities.

Structural Engineering



Our expertise includes the design of structural steel and reinforced concrete building frames, precast concrete building frames, and decking and paneling in both steel and concrete. Our experience also includes the installation and replacement of overhead doors, the design of building foundations using spread footings, pile-supported footings, concrete mats, and continuous grade beams, and the design of underground tanks made of reinforced concrete used in water and wastewater treatment and in steel standpipes and elevated water tanks, which involves prediction of seismic conditions, wind, ice pressure, and other forces that may damage a structure.

Electrical Engineering



L.R. Kimball's electrical expertise includes electrical systems (primary/secondary), exterior lighting, intercom systems, fire alarm systems, life safety systems, emergency power systems, CCTV systems, energy conservation measures, distribution networks, and existing system analyses.

Mechanical / HVAC Engineering



L.R. Kimball's Mechanical/HVAC expertise includes air conditioning systems, heating systems, building and industrial ventilation, energy conservation (recovery and renewable), automated control systems (electric, pneumatic, and direct digital), boiler replacements, building energy analysis, system retrofit, fuel and energy studies, energy audit studies, HVAC systems comparison, and regulatory approvals. L.R. Kimball has extensive experience in state-of-the-art Building Management Systems (BMS), which provide automated control of a building's HVAC system. Maximizing the system's efficiency and reducing operating costs are the goals of our designs.

Sustainability Planning / Management Services



L.R. Kimball believes that design and engineering decisions have an impact on the environment. Our staff is experienced with sustainable design and LEED® certification. While the principles are not altogether new, their application involves a new way of thinking about our built environment. The approach to design is best achieved through integrated design.

In today's increasingly complex and changing society, the challenge is to meet present needs while looking ahead to provide for the future. The L.R. Kimball team is poised to assist their clients with meeting these goals. Some of the goals may result by asking:

- How do we reduce energy & utility costs by upgrading our existing facilities?
- How can we improve productivity of our work force through incorporating Sustainable Principals in the design of our facility?



Our experience with asking the "right" questions has led to great success in the building industry. L.R. Kimball's LEED® expertise includes:

- Design, certification, and registration of LEED® Certified Buildings accounting for over 2 million square feet and over \$250 million in construction value.
- Staff members with national expertise in Sustainable Design and additionally over 1.5 million square feet in LEED® Certified projects
- One of the first LEED® Gold Certified K-12 schools in the country - Clearview Elementary School – Hanover Public School District
- LEED® Accredited Professionals in:
 - Architecture
 - Structural Engineering
 - Mechanical Engineering
 - Electrical Engineering
 - Lighting Design
 - Civil Engineering
 - Commissioning
- 1st LEED® Certified Ballpark in the country
Medlar Field at Lubrano Park – The Pennsylvania State University



Land Development and Site Design



"L.R. Kimball can be proud of the quality of work the staff is producing and be assured that it is noticed and appreciated. I have no reservations in recommending L.R. Kimball to any client requiring similar work."

Jeffrey J. Raymond,
President
H. W. Raymond Company,
Inc.

L.R. Kimball knows what it takes to get the job done right the first time. From providing land planning, civil and environmental services for small community parks to big box retail, commercial, and industrial facilities, L.R. Kimball knows what is important to you.

L.R. Kimball has completed numerous land development projects including retail, residential, commercial, office, educational, recreational, and brownfields. A wide variety of master plans have been developed for local and county governments; state agencies; regional authorities; and residential, commercial, and industrial developers.

L.R. Kimball's expertise in the acquisition of regulatory approvals for land development projects is unsurpassed. From municipal zoning approvals to state transportation and environmental permits, L.R. Kimball has successfully secured permits for small- and large-scale land development projects.

Services

- Pre-development feasibility
- Plan processing and regulatory approvals
- Stormwater management
- Land planning and landscape architecture
- Survey and mapping
- Site and civil engineering
- Environmental site assessments
- Brownfields evaluations
- Utility transmission line design and coordination
- Pavement designs
- Right-of-way acquisitions
- Subdivision and land development compliance
- Erosion and sediment control plans preparation
- NPDES permitting
- Comprehensive and master planning
- Geotechnical evaluations
- Wetland investigations
- Photo enhancements and renderings
- Project siting studies
- 3-D visualization services
- Zoning approvals

Water and Wastewater Engineering



L.R. Kimball has successfully produced and/or assisted in the evaluation, design, financing, construction and implementation of hundreds of water and wastewater facilities projects for the past 50 years. L.R. Kimball is capable of completing all elements of the planning project. We have developed work plans involving the application of unique planning and design strategies developed in response to stringent compliance orders, statutory or regulatory requirements, and financial and institutional issues related to authority needs. L.R. Kimball is experienced in working with (and within) multi-jurisdictional authorities and has achieved great success in meeting state and/or local permitting and other regulatory requirements. We are proactive with regulatory and financial agencies and maintain routine contact with agency personnel. This approach ensures that project issues and constraints are understood by all parties, facilitates the permit and funding approval process, and minimizes potential delays in project implementation. L.R. Kimball has assembled an experienced project team of dedicated professionals who have established working relationships with federal, state, county, and local agencies.

Water Services

- Water facility and corrective action planning
- Surface and groundwater source investigations
- Hydrologic and hydrogeologic modeling
- Wellfield designs
- Dam designs and inspection
- Water storage and distribution designs
- Water treatment facility designs
- Project financing, administration, and implementation plans
- Underground utilities
- Wellhead protection studies
- Public Outreach

Wastewater Services

- Wastewater collection system design and rehabilitation
- Treatment plant design
- Industrial pre-treatment
- Sludge disposal planning and permitting
- Corrective Action Plans
- Combined Sewer Overflow (CSO) and Sanitary Sewer Overflow (SSO) studies and permitting
- Combined Sewer Separation Services
- Flow monitoring studies
- Smoke and dye testing
- Video inspection of sewer lines
- Project financing, administration, and implementation plans
- Construction inspection
- Surveying and mapping
- Geographic Information Systems (GIS) - Data management services
- Operations and maintenance programs
- Permitting
- Subsurface geotechnical investigations and designs
- Public Outreach

"We wish to extend our sincere compliments regarding the manner in which you handled our wastewater treatment plant upgrade project. Your input beyond the treatment project on various problems of the system has been proven to be productive."

Sandra L. Teeter, General Manager
North & South Shenango
Joint Municipal Authority

Geotechnical Engineering



"The geotechnical engineering services...have been professional and responsive. With L.R. Kimball input, we have developed a drilled shaft foundation solution that will save costs for our customer, the Pennsylvania Turnpike Commission."

William J. Rohleder, Jr.
Figg Bridge Engineers, Inc.

Geotechnical engineering is vital to the success of any construction project. Early inclusion of geotechnical engineering professionals into the planning stages of a project is critical in identifying and minimizing potential problems. Geotechnical engineering adds value to projects and saves money.

L.R. Kimball has been providing geotechnical engineering services to contractors; developers; insurance companies; power generation utilities; architects; engineers; and local, state, and federal agencies for more than 30 years.

Our in-house geotechnical laboratory has been accredited by the American Association of State Highway and Transportation Officials (AASHTO) Accreditation Program (AAP) in the fields of soils and Portland cement concrete testing. This accreditation includes the participation in semi-annual reference sample analysis and bi-annual inspections by AASHTO's Materials Reference Laboratory and Cement and Concrete Reference Laboratory. Our laboratory has also been validated by the Army Corp of Engineers to perform concrete and soils testing for their projects.

Services

- Slope stability analysis and design
- Transportation project investigation and design
- Dam design, inspection, and analysis
- Soils, concrete, and aggregate laboratory testing
- Geophysical surveys
- Permitting studies
- Site selection feasibility studies
- Landslides and other soil and rock instability assessments
- Landfill investigation, design, and closure
- Foundation investigation
- Geosynthetic QA/QC
- Material stockpile density determinations (Nuclear Methods)
- Groundwater studies
- Construction inspection and management
- Mine and quarry investigations
- Hazardous mine entry investigations
- Geologic hazards analyses
- Subsidence investigations
- Mine subsidence studies
- Mine and refuse fires assessments
- Ground improvement engineering
- Earth retention systems
- Project reviews

Drilling



L.R. Kimball has been providing comprehensive drilling services for over 30 years. We have experienced crews that provide services on a full-time, year-round basis with modern drilling equipment. We maintain seven drill rigs, including an all-terrain rig for use on engineering and environmental projects.

Our drillers have an average of over 10 years of experience, qualifying us to perform drilling services in very diverse subsurface conditions and terrain. Crews are experienced using 4.25, 6.25, and 8.25 inch I.D. hollow-stem augers; HQ, NX, and NQ2" rock and concrete coring; continuous split-spoon sampling using 2-inch and 3-inch spoons; CME continuous sampling; thin-wall tube sampling; and geotechnical in-situ testing. Drilling and sampling operations are conducted in accordance with ASTM standards. Our drillers are OSHA HAZWOPER trained.

Services

- Geotechnical borings
- NQ2" and HQ wire line rock and concrete coring
- Angle and horizontal borings
- Monitoring wells
- Unconsolidated material coring
- Slope indicator installation and instrumentation
- Down hole nuclear density testing
- Concrete coring and analysis
- 40-Hour OSHA trained and medically qualified crews
- Standard split-spoon and undisturbed sample collection
- Underground storage tank investigations, inspection, and analyses

"L. R. Kimball is very customer service oriented and performs a valuable professional service. The department thanks you for current service and is looking forward to this continued service in the future."

David J. Whitlatch, PE
PennDOT

Stormwater Management



"...I wish to extend our sincere compliments regarding the manner in which you handled our project. You can be proud of the quality of work your staff is producing and be assured that it is noticed and appreciated."

Tyrone Petrich, President
Enon Valley Borough Council

Since 1953, L.R. Kimball has provided comprehensive environmental and engineering services related to stormwater management for various commercial, industrial, municipal, government and private clients. We utilize evolving stormwater management practices based on the philosophy of maintaining, as nearly as possible, natural runoff flow characteristics. Our stormwater management practices include structural (detention ponds, pipes, etc.) and/or non-structural (land use planning to effectively preserve existing drainage patterns, vegetation, pervious areas, etc.) methodologies in which we provide the basic elements of a stormwater management program. The effectiveness of a stormwater management program is a result of good planning and engineering design, based on current concepts and practices.

L.R. Kimball's stormwater management experience is two-fold. We have experience in providing comprehensive watershed stormwater management plans utilizing state-of-the-art GIS based modeling technology. These plans support the development of which results in municipal land development and stormwater ordinances for regulatory based clients. We also have experience in providing services to numerous private sector landowners and developers to comply with federal, state, watershed-specific, county, and municipal stormwater management requirements and ordinances. This experience provides us with a clear understanding of currently accepted stormwater management methods and techniques, agency expectations and review processes, and the implementation of practical and economical, best management practices for our clients.

Services

- Comprehensive stormwater management master planning
- Municipal stormwater management ordinance development
- Stormwater management ordinance compliance
- Regulatory stormwater permit compliance
- Phase II NPDES assessment and permitting
- Regulatory erosion and sedimentation control compliance
- Emergency action plans
- Annual dam inspections
- Geographic Information System (GIS) development
- Flood assessment and control
- Floodway and floodplain assessments
- Construction monitoring and documentation
- Stormwater and drainage assessment, analysis, evaluation and designs
- Stormwater quality control
- Stormwater monitoring, sampling and analyses
- Existing facility and site expansion, improvement or rehabilitation

PERSONNEL

L.R. Kimball prides itself as being a firm that communicates and cooperates with the client to meet their needs. We understand the benefit of having a close relationship with our clients in order to meet expectations and provide quality service.

L.R. Kimball has a proven track record for accomplishing work within the required time constraints. This is evidenced by *our high volume of repeat work from townships, counties, municipal utilities / authorities, state and federal government, sanitary boards, and public service districts, as well as from our many private clients.*

L.R. Kimball's capability to meet a wide range of often-conflicting scheduling demands is reflected in the fact that we successfully accomplish thousands of projects annually.

Principal-in-Charge

The Principal-in-Charge is primarily responsible for assisting the Project Manager in allocating sufficient resources to meet project requirements and resolving technical problems and conflicts that cannot be resolved at the Project Manager level.

Mr. Joseph F. Moon, Jr., PE, will serve as Principal-in-Charge. Mr. Moon serves as a Vice President and Operations Manager for the Architecture and Engineering Division. He specializes in municipal and civil engineering projects. Mr. Moon *has over 39 years of experience* with L.R. Kimball, including: civil, water and wastewater facilities planning and design, surveying, stormwater management, roadway paving, environmental, urban redevelopment, site development, comprehensive planning, subdivision and zoning ordinances, demolition, and other related projects.

As an L.R. Kimball Vice President, Mr. Moon has complete authority to schedule or re-schedule the assignment of necessary personnel and resources to ensure that the Project Manager can effectively complete the work required.

Project Manager

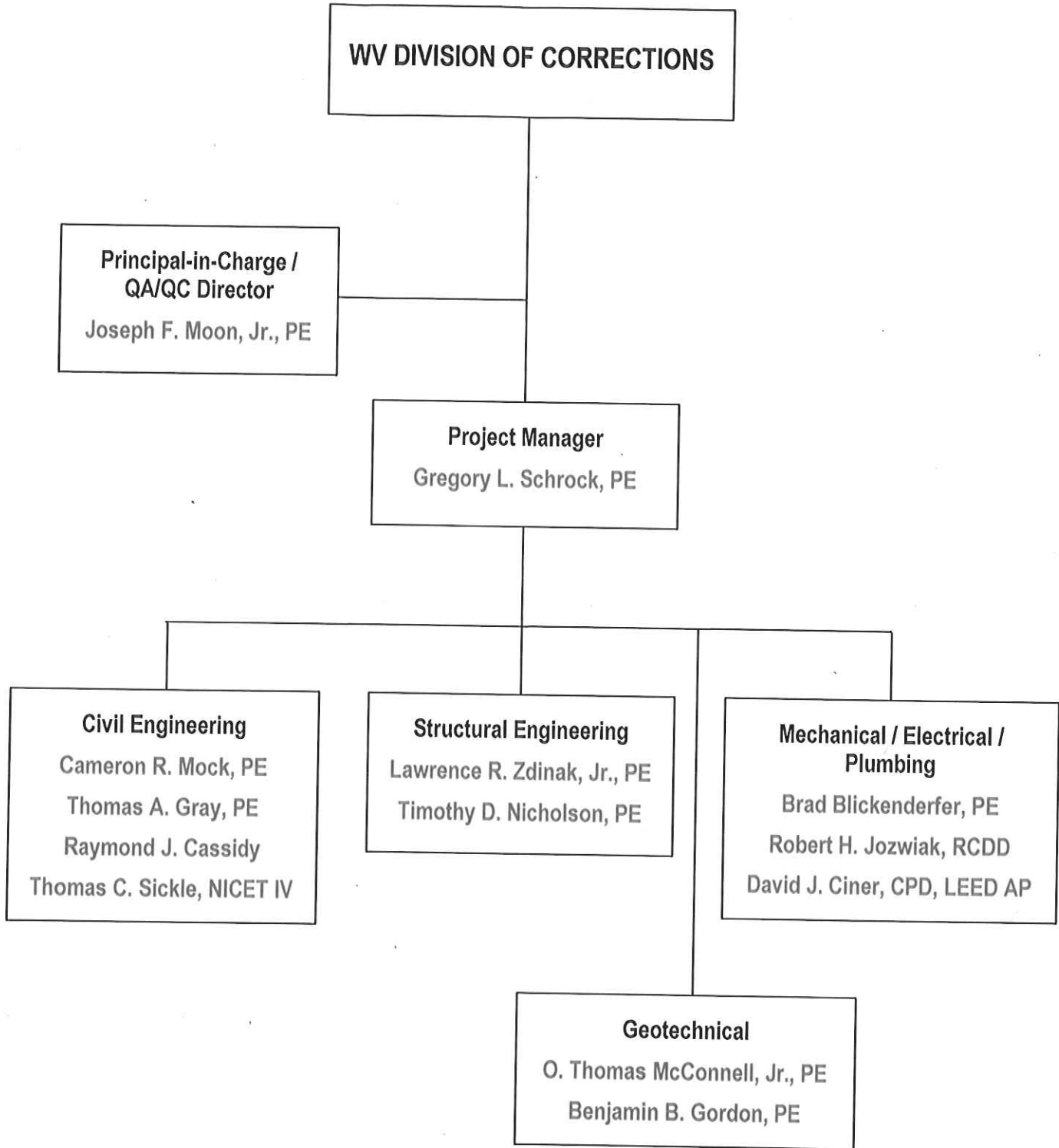
The Project Manager is responsible for the overall timely execution of the project and is the primary source of contact with the client. The Project Manager is also responsible for project planning and scheduling, resource allocation, management and coordination of the project team, cost and productivity tracking, man-hour tracking, project documentation, and the quality of service. Tasks delegated to subordinates in each discipline as applicable are to be properly detailed and appropriate levels of authority clearly specified and made known to all project personnel. The Project Manager is responsible for ensuring that all personnel assigned to a project are technically proficient, and informed of all client requirements.

Mr. Gregory L. Schrock, PE, will serve as Project Manager. Mr. Schrock *has over 18 years of experience* and serves as a Project Manager for the Architecture and Engineering Division. He participates 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 preparation of contract documents.

Mr. Schrock'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.

The following organization chart depicts the overall project team. Also included are detailed resumes of our team's key staff members for your review.

Organization Chart



Resumes

Joseph F. Moon, PE
Principal-in-Charge

Years of Experience: 41

Education:

- BS, Civil Engineering, The Pennsylvania State University, 1970

Registrations:

- Professional Engineer, WV
- Professional Engineer, PA
- Professional Engineer, OH

Affiliations:

- American Public Works Association
- Consulting Engineers Council
- National Society of Professional Engineers
- Society of American Military Engineers
- Water Environment Federation

Professional Experience

Mr. Moon serves as an Operations Manager for the Architecture and Engineering Division. He specializes in Municipal and Civil Engineering projects. Project experience includes civil and water and wastewater facilities planning and design; stormwater management; roadway paving; environmental; urban redevelopment; site development; surveying; comprehensive planning; subdivision and zoning ordinances; and other related projects.

Mr. Moon has been involved as the Principal-in-Charge or Project Manager for numerous projects which have required the assignment of multi-disciplined L.R. Kimball project teams. He has directed the design and construction supervision and provided QA/QC for numerous projects involving site development; municipal engineering; 537 planning studies, computer modeling of water and sewer systems; flow monitoring; infiltration and inflow analyses; stormwater management; water and sewer piping design; pumping stations, metering and pressure regulating facilities, Act 537 planning studies; water and wastewater treatment plant design and rehabilitation, and preparation of O&M manuals and preventive maintenance programs. Mr. Moon provides support on problems and assists in solutions to maintain client satisfaction.

Professional Experience

- **Inspection and Hydraulic Analysis of Diversion Structures/Manhole Inspection, Allegheny County Sanitary Authority (ALCOSAN), Pittsburgh, PA.** Principal-in-Charge of this 2-year inspection project which consisted of 130 diversion structures, 520 interceptor manholes, over 200 municipal manholes, and various outfall structures. Work included database design, field inspection of all structures within the Southern Basin of the ALCOSAN interceptor sewer system, GIS, updated structure drawings, and a hydraulic analysis of all structures for maximum capacity.
- **Route 8 Sanitary Sewer Project, Hancock County Public Service District, Hancock County, WV.** Principal-in-Charge for the preliminary engineering report, design service and construction services for the Route 8 sanitary sewer system. The project consists of approximately 24 miles of sanitary sewers, one mile of forcemains, five pumping stations, and a 0.250 SBR WWTP.
- **Sanitary Sewer Design, Hancock County Public Service District, Johnsonville and New Cumberland Heights, WV.** Principal-in-Charge for the design of approximately 35,000 feet of sanitary sewers that included design services, survey and mapping, construction stake-out, full-time resident project representatives, engineering during construction, and record drawings.
- **Weirton Area Sewer Project, Hancock County Public Service District, WV.** Principal-in-Charge for the planning, designing and

- construction supervision of a new sanitary sewer system for an area outside the Weirton City Limits. This project included gravity, pressure and vacuum sewers, and pumping stations. The work also involved an inter-municipal agreement with the City of Weirton for system operation and maintenance services.
- **Sewer Rehabilitation, Castle Shannon Borough, Pittsburgh, PA.** Engineering Representative for numerous street rehabilitations, sanitary sewer rehabilitation, flow monitoring studies, and storm sewer drainage improvement projects.
 - **Sewage Treatment Improvements, North & South Shenango Joint Municipal Authority, Crawford County, PA.** Principal-in-Charge for the improvements to the 1.2 MGD sewage treatment plant to meet revised ammonia nitrogen and BOD limits, including preparation of O&M manuals.
 - **Nine Mile Run Flow Monitoring, Pittsburgh Water and Sewer Authority, Pittsburgh, PA.** Principal-in-Charge for the evaluation of monitoring locations along the Nine Mile Run watershed in the Eastern suburbs of Pittsburgh, PA. Project included installing, maintaining, calibrating and removing equipment, data processing and QA/QC of all the flow monitoring data for this project.
 - **Southpointe II Development, Washington County Authority, Canonsburg, PA.** Principal-in-Charge. Provided full Civil, Environmental, and Geotechnical services to develop 225 acres of the Southpointe II development. The site was the former Western Center located adjacent to the existing Southpointe Development. Work included building demolition, civil site design, land development, utility extensions and relocations, site grading, traffic studies, local roadway design, bridge widening, landscaping, municipal and wetland permitting, mapping, surveying, geotechnical, and environmental services, and asbestos abatement.
 - **Heinz Field, Sports & Exhibition Authority of Allegheny County, Pittsburgh, PA.** Project Manager for the 65,000 seat, 18-acre Heinz Field new NFL Stadium for the environmental studies, geotechnical investigation, survey and mapping, civil/site design, and permitting. This project included the design of all utilities for the stadium and for the demolition of a 780,000 SF warehouse and surrounding parking lots. The project required a great deal of coordination with many agencies such as, the Pittsburgh Water and Sewer Authority, ALCOSAN, PADEP, City of Pittsburgh Planning and Department of Engineering and Construction, Allegheny County Soil Conservation, and the Army Corps of Engineers.
 - **Water System Improvements Project, Franklin County General Authority, Chambersburg, PA.** Principal-in-Charge for preparation of design documents, plans and specification, bidding and negotiation, construction phase engineering support, and the one-year follow up certifications for a backwash handling system to treat backwash and clarifier sludge to suitable levels for discharge to NPDES outfall; and, the sludge management system for the solids waste stream.

Gregory L. Schrock, PE, CPESC, CPSWPPP
Project Manager

Years of Experience: 18

Education:

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

Registrations:

- Professional Engineer, WV
- Professional Engineer, NJ
- Professional Engineer, OH
- Professional Engineer, PA

Affiliations:

- National Society of Professional
Engineers
- American Military Engineers
- Association of State Dam Safety
Officials

Certifications:

- Cert Prep SW Poll Prev. PI expires
10/12/12 #473
- CP Erosion/Sediment Cont. expires
11/27/12 #5567

Professional Experience

Mr. Schrock serves as a Project Manager for the Architecture and Engineering Division. He participates 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 preparation of contract documents. He is also involved with earthwork takeoff calculations and cost estimates.

Mr. Schrock'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.

Project Experience

- **South Woods State Prison, Bridgeton, NJ.** Project Civil Engineer. Responsible for storm sewer and sanitary sewer design for the facility. Duties included developing drainage areas to the storm sewer structures, designing the stormwater conveyance system and developing elevations for the system.
- **Professional Engineering Services for Confidential Site Work at Various Sites, Carter & Burgess, Inc., PA and WV.** Project Manager of new distribution centers across Pennsylvania and West Virginia. Duties included preparing permitting reports, endangered species investigations, coordinating geotechnical investigations, surveying services, environmental investigations, and wetland investigations for various parcels up to 400 acres in size.
- **Lowe's Home Improvement Store, Jemsite Development, LLC, Lawrence Township, PA.** Project Manager. Responsible for the site design, grading, stormwater management, erosion and sedimentation control design, utility coordination, permitting and approvals for an approximately 94,000 SF Lowe's. Also oversaw the Phase I Environmental Assessment, geotechnical investigation study, boundary, topographical and utility survey, wetlands assessment, and traffic study.
- **US Department of the Navy - Northern Division, Lakehurst, NJ.** Project Manager for site design of various projects which included a new

- hazmat building, a racquetball court building, several building additions, and a new fire service to the hazmat building. Duties included attending meetings with the Navy, preparing grading, utilities, erosion and sedimentation control plans, site layout, and Navy specification editing.
- **Cherry Run Sewerage System, White Township Municipal Authority, Indiana, PA.** Civil Engineer for the design of a sewage pumping station for a 1.0 MGD average sewage flow. Duties included locating the pumping station site, grading plans, preparing erosion control plans, designing six pumps, a communitor, channels, two wet wells, a sluice gate, flow meters, the plumbing, and force main, layout for the floor plans and acquiring the permits. Performed a hydraulic/hydrologic analysis of the nearby stream (3 sq. mi. watershed) to determine the 100-year floodplain and the impact and required permitting needed for the pumping station construction.
 - **Water System, St. Francis University, Loretto, PA.** Project Manager for the permitting and design of a new 187,000 GPD water treatment plant, water distribution system, and water storage tanks. Duties included the design of 500,000 gallon and 300,000 gallon water storage tanks, site layout for the tanks, water treatment plant, backwash holding tank, water distribution system, and sand mound. Designed the water distribution system using Hydronet for adequate fire protection flow and pressure throughout campus and the surrounding area. Designed treated water booster pumps, a backwash holding tank, greensand and activated carbon units, chlorine booster pumps, chlorinators, flow meters, and associated piping, plumbing, and telemetry for the water treatment plant. Worked on specification preparation, shop drawings, and some construction inspection.
 - **Berks Heim County Home, Berks County Service Center, Leesport, PA.** Involved with the permitting and design of a 420-bed nursing home. Duties included attending meetings, stormwater management and design including basin and channel hydrology grading, utilities, erosion and sedimentation control site, site and parking lot layouts, and sewage planning.
 - **Oak Group - Rescue Swimmer Training Facility.** Project Manager for the civil portion of a swimmer facility for the United States Coast Guard. Involved with the design of the utilities, stormwater management and erosion and sedimentation control along with the permitting through the North Carolina Department of Environmental and Natural Resources.
 - **Danville Elementary School.** Project Manager for the civil portion of a new elementary school located adjacent to the existing high school in Danville Borough, PA. Duties included preparing site, grading, utility, stormwater management and erosion and sedimentation control plans and acquiring permits through Danville Borough, The Montour County Conservation District and PennDot.

Cameron R. Mock, PE
Civil Engineer

Years of Experience: 35

Education:

- BS, Civil Engineering Technology,
University of Pittsburgh at Johnstown,
1977

Registrations:

- Professional Engineer, WV
- Professional Engineer, OH
- Professional Engineer, NC
- Professional Engineer, PA
- Professional Engineer, VA
- Professional Engineer, MD
- Professional Engineer, NJ

Affiliations:

- American Society of Civil Engineers
- National Society of Professional
Engineers
- Pennsylvania Society of Professional
Engineers
- American Society of Highway Engineers
- American Water Works Association

Certifications:

- OSHA Confined Space Entry & Rescue
- AWWA - Risk Assessment Methodology
for Water Systems, 2002

Professional Experience

Mr. Mock serves as a Senior Project Manager for the Architecture and Engineering Division. He specializes in land development and water/wastewater projects. Mr. Mock serves as a consulting engineer performing a wide range of services related to site development, stormwater management, hydrology, hydraulics, highway design, earth sciences, erosion and sedimentation control, sewerage systems, water systems, mine permitting, mine waste disposal facilities design and permitting, municipal engineering, recreation facilities, engineering surveying, construction inspection and construction contract management.

Project Experience

- **Stormwater Management Plan Reviews, Ridgway Township Supervisors, Elk County, PA.** Project Engineer that performs a detailed review of the stormwater management submissions made in response to Ridgway Township Ordinance No. 73 (Stormwater Management). These reviews are performed to determine conformance of the developer submission with the Site Plan Map, storm water storage requirements and other requirements of the ordinance. The results of the review are summarized in a letter.
- **Stormwater Management Resolution, Richland Township Supervisors, Cambria County, PA.** Author of the Richland Township Stormwater Management Resolution to the Richland Township Zoning Ordinance. The resolution included the preparation of application and computation forms and procedures to standardize and simplify submissions for stormwater management plans. Forms were developed for the Rational and the Soil Conservation Service Methods. The resolution was prepared to comply with the Little Conemaugh River Act 167 Stormwater Management Plan of Cambria County.
- **City of Johnstown Sanitary Sewer Evaluation.** Project Manager responsible for coordinating field investigations of the sanitary sewer system for compliance with Corrective Action Plan (CAP) and subsequent Consent Order and Agreement (CO&A) toward eliminating sanitary sewer overflows and sources of extraneous flow from the city's collection system. Efforts to date have included GIS mapping of the collection system, coordinating field investigations that have included manhole inspections and smoke/dye testing of catch basins and private property inflow sources and updating of the GIS databases to include finding of these investigations, maintenance of an internet web portal to allow client access to evaluation status and findings, negotiation of the CO&A, and preparation of monthly/quarterly progress reports.
- **Colver Wastewater Treatment Plant, Cambria Township Sewer Authority, Cambria County, PA.** Project Manager for the completion of a feasibility study, corrective action plan and design of modification to address a hydraulic overloaded condition at the Colver plant. The plant was converted to a sequencing batch reactor plant with, post aeration and UV disinfection to meet discharge permit limits. Project included the

- preparation of construction drawings, construction specifications, permit applications, PENNVEST funding application, construction administration and construction inspection.
- **Sanitary Sewer System Improvement Project, Cambria Township Sewer Authority, Cambria County, PA.** Project Manager/Engineer for the replacement of sanitary sewers at specific locations within the Villages of Mylo Park and Colver to reduce the amount of extraneous water entering the sanitary sewer system. Supervised the design, preparation of construction drawings, construction specifications and, estimates for the proposed improvements.
 - **Engineering Consultant, Municipal Authority of the Borough of Ebensburg, Ebensburg, Cambria County, PA.** Project Manager for various projects including upgrading the wastewater treatment facility (WWTP) and rehabilitating the sewer system to eliminate excessive flows. Work included the revision of the corrective action plan (CAP) and evaluation of the WWTP for a proposed upgrade to eliminate the hydraulic overloaded condition of the WWTP. Work also included the preparation of construction drawings, construction specifications, cost estimates, permit applications and PENNVEST funding request for the sanitary sewer improvement project.
 - **Black Township Sanitary Sewer Collection System, Redevelopment Authority of Somerset County, Somerset County, PA.** Project Engineer and Project Manager to prepare construction plans and specifications to provide 2,750 lineal feet of 8" sanitary sewers to serve 32 homes with treatment at the Rockwood STP. Supervised work that included sewage planning modules, field topographic surveys, utility notification, preliminary and final design, preparation of construction plans, technical specifications, highway occupancy permit application, stream crossing permit, PADEP Part II Water Quality Management Permit modification to the Rockwood STP and right-of-ways and easement drawings.
 - **Engineering Consultant, Borough of Franklin, Cambria County, PA.** Engineer of Record and Project Manager for sanitary sewer evaluation and improvements to reduce the wet weather flows from the Franklin Borough Sanitary Sewer System. Services were performed to comply with the requirements of the 2007 PADEP Consent Order and Agreement. Work included a detailed investigation of the sanitary sewer system that included manhole inspection, dye testing of storm inlets, dye testing of building roof drains and area drains, oversee sewer cleaning and video inspection and identification of defects and sources of inflow and infiltration. Improvement projects were developed to address the system defects and remove extraneous water from the sanitary sewer. Also, included was the preparation of construction drawings, construction specifications, cost estimates, permit applications and PENNVEST funding request for the sanitary sewer improvement project. Flow monitoring is being planned to document the system flows after construction is completed.

Thomas A. Gray, PE
Civil Engineer

Years of Experience: 30

Education:

- BS, Civil Engineering Technology,
University of Pittsburgh at Johnstown,
1982

Registrations:

- Professional Engineer, PA
- Sewage Enforcement Officer, PA

Affiliations:

- American Society of Highway Engineers
- Pennsylvania Association of Sewage
Enforcement Officers

Certifications:

- LEED Accredited Professional
- PA Sewage Enforcement Officer,
expires 6/30/12

Professional Experience

Mr. Gray serves as a Civil Engineer for the Architecture and Engineering Division. He has over 28 years experience. He has experience with a variety of civil engineering services including commercial, residential, and recreational site development projects, hydraulic analyses of waterways for developments, bridges, and flood protection projects, and municipal engineering focused on sanitary sewers.

Project Experience

- **Johnstown Redevelopment Authority Interceptor Evaluation.** Project Engineer responsible for coordinating compliance with Consent Order and Agreement towards eliminating sanitary sewer overflows from the Dornick Point STP's tributary interceptor system and its collection systems that serve 20 municipalities. Efforts to date have included GIS mapping of the overall system with development of a GIS database to include all aspects of the condition assessments including results of manhole inspections/surveys; smoke testing, dye testing, and televising of interceptor lines/catch basins/abutting structures; and development of a web portal to facilitate client access to evaluation status and findings.
- **Indiana County Regional Trail Connectivity Study.** Project Engineer responsible for coordinating the selection and evaluation of potential user-friendly routes for the connection of the Hoodlebug and West Penn Trails into and through community of Blairsville. Efforts included coordination with Study Committee, field view (by bicycle) and GIS mapping of potential routes, coordination with regulatory agencies and Norfolk Southern Railway, and coordination of data collection with in-kind project partners.
- **City of Johnstown Sanitary Sewer Evaluation.** Project Engineer responsible for coordinating field investigations of the sanitary sewer system for compliance with Corrective Action Plan (CAP) and subsequent Consent Order and Agreement (CO&A) toward eliminating sanitary sewer overflows and sources of extraneous flow from the city's collection system. Efforts to date have included GIS mapping of the collection system, coordinating field investigations that have included manhole inspections and smoke/dye testing of catch basins and private property inflow sources and updating of the GIS databases to include finding of these investigations, maintenance of an internet web portal to allow client access to evaluation status and findings, negotiation of the CO&A, and preparation of monthly/quarterly progress reports.
- **Path of the Flood Trail, Trail Links Feasibility Study.** Project engineer responsible for evaluation of preselected routes for the connection of the Path of the Flood-Trail A to the Staplebend Tunnel Trail and connection of the Path of the Flood-Trail B to the Johnstown National Flood Memorial site. Responsibilities include coordination with the study committee, field view, preparation of plans and profiles, coordination of preliminary wetland evaluation.

Raymond J. Cassidy
Civil Technician

Years of Experience: 39

Education:

- Associate, Drafting Technology,
Greensburg Institute of Technology, 1971

Professional Experience

Mr. Cassidy serves as an Environmental Technician for the Architecture and Engineering Division. He joined the firm in 1973, and his experience includes site work, plans, sections, elevations, profiles, and details of such projects as water tanks, water treatment plants, water distribution systems, wastewater treatment plants, sanitary sewer lines, and pumping stations; deed research; right-of-way and property evaluation and determinations; feasibility studies; site photography; completion of various applications for permits for municipal water and sewer projects. He also has experience in the cost evaluation of projects including quantity take-offs and construction cost estimates; preparation of municipal annual reports and budgets; dam monitoring and reports; surveying; specification writing; and construction inspection; public relations, client relations, and final construction requisition analysis.

During his employment with L.R. Kimball, Mr. Cassidy has previously served as a surveyor, a scribe draftsman, a tax mapping and analytical technician, an environmental engineering draftsman, project supervisor, and construction inspector.

Project Experience

- **New Sewer System Upgrades, White Township Municipal Authority, Indiana, PA.** Project Designer who assisted in preparing Chapter 94 reports for Kittyhawk and Morganti WWTP's, assisted in preparing Act 537 Plan including obtaining data on existing and proposed housing developments and population projections, conducted field inspection of installation of fiberglass sewer line for Indian Springs Interceptor through cast iron pipe roadway crossings. Also Project Designer for East Pike Sewer Extension, West Pike Sewer Extension and Cherry Run Sewer Extension. Other duties included PennDOT Highway Occupancy Permit Applications; courthouse research; utility right-of-way plans, construction specifications and contract documents, quantity take-off and construction cost estimates, bidding and contract award. Assisted in the preparation of DEP Sewage Planning Modules for elimination of the Morganti WWTP and new sewage pumping station and force main to the Indiana Borough WWTP. Construction Field Inspector for the Indian Springs Sanitary Interceptor Sewer Replacement Project and the Lucerne Road Sewage Pumping Station & Mary Ellen Place Relief Sewers.
- **Lucerne Road Sewage Pumping Station.** Mary Ellen Place Sewage Relief Sewer; South 6th Street Sewer Replacement Project; and White's Variety Sewer Extension Project.
- **Maple Avenue Sanitary Sewer, Cambria Township Sewer Authority, PA.** Project Designer for the sewer replacement. Work included field surveying, sewer line plans and profiles, construction specifications and contract documents, quantity take-off, and construction cost estimates.
- **Johnstown I & II Elimination Program, Johnstown Redevelopment**

Authority, Johnstown, PA. Compiled data base of property owners in violation of city plumbing code and ordinances resulting from smoke and dye testing conducted. Also tracked results of notices of violation sent to the property owners, regularly met with property owners to explain details of their violation, met with the City Plumbing Inspector to verify the violations were corrected and approved, prepared project status reports for the authority for submission with their status report required to be submitted to DEP. Also prepared plans and specifications for investigating and correcting possible storm inlet connections to sanitary sewers discovered during smoke testing. Other duties included bidding and contract award, construction field inspection, quantity take-off and construction cost estimates.

- **Cambria Township Sewer Authority, Revloc, PA.** Engineering technician responsible for specifications and design of the sanitary sewer replacement project in the village of Colver including preparation of right-of-way documents and preparation of bid tabulations and contract documents.
- **Mylo Park Sewer Improvement Project, Cambria Township Sewer Authority.** Engineering technician: preparation of construction documents & specifications; courthouse research; sewer line rights-of-way; field measurements; and site photography. Construction Field Inspector: gravity sewer replacement project in the village of Mylo Park.
- **Sanitary Sewer Improvement Project, Municipal Authority of the Borough of Ebensburg, Ebensburg, PA.** Engineering Technician. Field measurement, courthouse research, and preparation of construction documents and specifications.
- **Dishong Mountain Road Sewer line, Keystone Renewable Energy.** Construction Field Inspector of about 3 miles of gravity sewer along Dishong Mountain Road in Jackson & West Taylor Townships, Cambria County, PA.
- **PennDOT & Railroad Permits, Keystone Renewable Energy.** Preparation of PennDOT Route 219 Utility Occupancy Permit Application for methane gas line occupancy in Conemaugh Twp., Somerset County, PA. Preparation of CSX Railroad Utility Occupancy Permit Application for methane gas line occupancy in Shade Township, Somerset Co., PA.
- **Ebensburg Borough Sewer Improvement Project, Ebensburg Borough Municipal Authority.** Engineering technician: Field measurements, courthouse research, and preparation of construction documents & specifications. Construction Field Inspector: gravity sewer replacement project in Ebensburg Borough, Cambria County, PA.
- **Ebensburg Borough Wastewater Treatment Plant, Ebensburg Borough Municipal Authority.** Part-time Construction Field Inspector for Wastewater Treatment Plant SBR Renovations.
- **Revloc Sewage Force Main Replacement, Cambria Township Sewer Authority.** Engineering technician: Field measurements; site photography; AutoCAD drafting; and preparation of construction documents & specifications.

Thomas C. Sickle, NICET IV
Senior Civil Technician

Years of Experience: 46

Registrations:

- NICET Highway Const. Level IV, PA
- American Soc of Cert Eng Tech, PA

Affiliations:

- American Society of Civil Engineering Technicians

Professional Experience

Mr. Sickle serves as a Civil Technician for the Architecture and Engineering Division. His responsibilities include conducting investigations and field studies; developing construction plans, specifications, and cost estimates; and supervising construction inspection. His experience includes construction inspection of gabion walls, storm drainage, and earth slides; bituminous paving on county and state roadways and numerous highway occupancy permitted sewer crossings; field design changes; coordination of as-built drawings; change order quantities; final inspections; installation of storm sewers; placement of embankment; construction of sanitary sewers; D.I.P. waterlines; the construction of concrete tie back retaining walls; placement of RPS, concrete paving, curbs, and sidewalks; waterline relocation and extensions; street evaluation surveys; and gravity sewers, pump stations, and wastewater treatment plants.

Project Experience

Roadway Construction

- **L.R. 1021, Section 3A of East Street Valley Expressway, Pennsylvania Department of Transportation, PA.** Field Office Manager and Chief Inspector responsible for the installation of storm sewers, placement of embankment, construction of sanitary sewers, D.I.P. waterline, the construction of a 300-foot concrete tie back retaining wall, and the placement of one mile of RPS, concrete paving, curbs, and sidewalks. Received a Letter of Recommendation from the Federal Highway Administration.
- **Harmony Township, Findlay Township, Castle Shannon Borough and the Borough of Heidelberg, Allegheny and Beaver Counties, PA.** Senior Engineering Technician who conducted roadway pavement condition surveys and prepared plans, specifications and bidding packages for various roadway resurfacing and reconstruction projects. Supervised construction and processed payment requisitions for clients.

Waterline

- **Findlay Township Water Authority, Allegheny County, PA.** Senior Engineering Inspector who prepared design, specifications and supervised construction of several 6-inch, 8-inch, and 12-inch waterline extension projects and the construction of an 80-foot water storage tank.
- **New Cumberland Water Authority, Hancock County, WV.** Resident Inspector who provided construction inspection of an 8-inch and 12-inch waterline extension and water tank upgrade project to serve the New Cumberland Height area.

Storm and Sanitary Sewer

- **Route 8 Sanitary Sewage Collection System, Hancock County Public Service District, WV.** Resident inspection for a 17.8 million dollar sanitary sewer project with 95,000 feet of pipe, five pumping stations and a wastewater treatment plant.

- **Route 2 Sanitary Sewer line Extension, Hancock County Public Service District, WV.** Resident Inspector for the construction of 7,100 LF of 6-8 inch and 10 inch gravity sanitary sewer line, one sanitary sewage pumping station and 4,000 LF of 6 inch force main.
- **Sanitary Sewage Gravity/Vacuum Collection System, Hancock County Public Service District, WV.** Lead Inspector who reviewed shop drawings and supervised construction of vacuum sewer line construction and two vacuum pumping stations.
- **New Cumberland Heights Sanitary Sewer Line Extension, Hancock County Public Service District, WV.** Resident Inspector for a \$700,000 sanitary sewage collection system to serve the New Cumberland Heights portion of WV
- **Mountaineer Park Sanitary Sewage Collection System, Mountaineer Race Track & Resort, Chester, WV.** Resident Inspector who supervised the construction that included gravity sewers, force mains, six pump stations and a wastewater treatment plant.
- **Inspection and Hydraulic Analysis of Diversion Structure/Manhole, Allegheny County Sanitary Authority, Pittsburgh, PA.** Resident Inspector who assisted with the manhole/structure inspections and field survey work for the \$2.5M project.
- **Southpointe II Phase I Washington County, PA.** Resident project representative for the 6.5 million dollar project, which included constructions of concrete curbs and sidewalk, bituminous concrete roadway, storm and sanitary sewers, and two large stormwater management facilities.

Land Development

- **Clinton Industrial Park, Allegheny County Airport Authority, Allegheny County, PA.** Senior Engineering Technician. Duties included preparing specifications and a fire flow test.
- **Southpointe II Development, Washington County Authority, Washington, PA.** Senior Engineering Technician. Duties included preparing specifications, utility company contacts, and assisted with preparing the test boring layout.

Lawrence R. Zdinak, PE
Discipline Leader - Structural Engineering

Years of Experience: 17

Education:

- Bachelor of Architectural Engineering,
Structural Engineering, The Pennsylvania
State University, 1995

Registrations:

- Professional Engineer, WV
- Professional Engineer, NJ
- Professional Engineer, SC
- Professional Engineer, GA
- Professional Engineer, FL
- Professional Engineer, RI
- Professional Engineer, PA
- Professional Engineer, MD
- Professional Engineer, OH
- Professional Engineer, VA
- Professional Engineer, LA
- Professional Engineer, NY

Affiliations:

American Concrete Institute
American Institute of Steel Construction
Precast/Prestressed Concrete Institute
Engineers' Society of Western PA

Certifications:

NCEES Certified, No. 19590

Professional Experience

Mr. Zdinak serves as the Discipline Leader for Structural Engineering in L.R. Kimball's A/E Division. Mr. Zdinak has served as a project engineer for various public safety, correctional, educational, judicial, industrial, manufacturing, commercial, transportation, and healthcare facilities throughout his career of over 15 years. These projects have varied in size and scope and have involved new construction as well as renovations and additions to existing facilities.

Mr. Zdinak is involved with all aspects of structural engineering including structural analysis, structural design, and facilities condition investigations. Mr. Zdinak's responsibilities include developing and preparing structural designs while consulting with architects in establishing preliminary, working, and final drawings, preparation of specifications, structural inspections, and construction administration activities including shop drawing review, responding to requests for information, site visits, preparation of field reports, and repair details. His responsibilities have also included collaborating with architects, other engineering disciplines, owners, contractors, and fabricators for overall coordination of projects. He possesses design experience in steel, composite steel (joists and beams), concrete, wood, and masonry.

Mr. Zdinak has experience in various computer programs including AutoCAD, RAM Advance, RAM Structural System, FloorVibe, Microsoft Word and Excel, and Enercalc. He has taken an active role in the continuing education of his profession by routinely participating in various seminars relating to masonry and building codes, seismic rehabilitation of buildings, architectural/structural design, structural steel systems, concrete slabs on grade, serviceability of steel, and the bracing of steel structures.

Project Experience

Correctional

- Butler County Prison, Butler, PA
- SCI Camp Hill, Renovation/Expansion of Kitchen and Staff Dining Area, Camp Hill, PA
- SCI Smithfield, New Housing Unit and Infrastructure/Security Upgrades, Huntingdon, PA
- Southern State Minimum Security Correctional Facility, Delmont, NJ

Public Safety

- Cabell County Emergency Services Center, Huntington, WV
- Pennsylvania State Police, Design Services for Harrisburg Super Core Dispatch Center, Harrisburg, PA

Judicial/Municipal

- Fairfield County Engineer's Facility, Lancaster, OH
- Logan Township Municipal Building, Altoona, PA

K-12

- Armstrong School District, Ford City, PA
 - Elderton K-12 School Additions/Alterations
 - Ford City Jr./Sr. High School Renovations
 - Kittanning Jr./Sr. High School Additions/Alterations
- Danville Area School District, Primary School, Danville, PA
- Loyalsock Township School District, Williamsport, PA
 - Loyalsock Township Middle/High School Additions/Alterations
 - New Multi-Purpose Facility at the High School

Higher Education

- California University of Pennsylvania, California, PA
- Convocation Center
- New Football Stadium Entry Gates at Roadman Park
- Tennis Courts at Roadman Park
- Schematic Design Services for Field House at Roadman Park
- Schematic Design Services for Locker Room at Roadman Park
- Roadman Park Alumni Pavilion
- Mount Aloysius College, Cresson, PA
- McAuley Residence Hall
- Misciagna Residence Hall
- Renovation and Addition of Alumni Hall/Theatre
- Robert Morris University, Moon Township, PA
- John Jay Center Renovation
- John Jay Center Feasibility Study
- Jefferson Center Feasibility Study

Sports/Recreational

- Altoona Curve Baseball, Study for Improvements at Blair County Ballpark, Altoona, PA
- Ebensburg Tennis Center, Ebensburg, PA

Industrial/Manufacturing/Commercial

- Allegheny Power Service Corporation, Substation Control Building Evaluation, Weirton, WV
- AT&T BIS, Design-Build of Fiber POPs for AT&T Broadband Information Services, Wheeling, WV
- Sara Lee Food & Beverage, Warehouse Renovation (Conceptual Layout), Rand, WV
- Yeager Airport Terminal Building Renovations/Expansion, Charleston, WV

Timothy D. Nicholson, PE
Structural Engineer

Years of Experience: 11

Education:

- ME, Structural Engineering, The Pennsylvania State University, 2001
- BS, Structural Engineering, The Pennsylvania State University, 2000

Registrations:

- Professional Engineer, PA

Professional Experience

Mr. Nicholson currently serves as a Structural Engineer in Kimball's A/E Division. He is responsible for the design and detailing of structural components. Mr. Nicholson's project experience includes educational, correctional, public safety, judicial, healthcare, and commercial facilities. These projects have involved both new construction and additions and renovations to existing facilities.

Prior to joining Kimball, Mr. Nicholson played an integral role in the complete structural design of a medical building including footings, beams, columns, connections, roof joists, and construction drawings. He assisted in the triennial structural inspection of Beaver Stadium and in the analysis and design of a two span continuous bridge. Mr. Nicholson also assisted in creating sewer line profiles and determining manhole elevations, filing highway occupancy permits with PADOT, reviewing waste water treatment plant shop drawings, and designing wood members including beams, columns, and a TJI floor system.

Mr. Nicholson has experience in the use of AutoCAD, Ram Structural System, Ram Advance, Ram Elements, Revit, and Excel.

Project Experience

Correctional

- Armstrong County Jail, Kittanning, PA
- Blair County Prison, Housing Unit Addition, Hollidaysburg, PA
- Calvert County Treatment Facility, Renovations to House Work Release Inmates, Barstow, MD
- Centre County Correctional Facility, Bellefonte, PA
- Eastern Shore Regional Jail, Eastville, VA
- Livingston County Jail Expansion/Renovation, Geneseo, NY
- Ontario County Jail, Canandaigua, NY
- Pinellas County Jail Expansion, Phase II - Healthcare Facility, Clearwater, FL
- SCI Camp Hill, Diagnostic and Classification Building, Camp Hill, PA
- SCI Smithfield, New Housing Unit and Infrastructure/Security Upgrades, Huntingdon, PA
- Tioga County Prison Renovations/Additions, Wellsboro, PA

Public Safety

- Baltimore County Police, Precinct Three Station, Reisterstown, MD
- Hunterdon County, Schematic Design Services for Emergency Services Facility, Flemington, NJ
- Kanawha County Metro 9-1-1 Center, Charleston, WV
- NJ State Police Emergency Operations Center, West Trenton, NJ
- Niagara County, Public Safety Communications and Consolidation Improvements, Lockport, NY
- PA State Police, Pittston Regional Dispatch Center, Pittston, PA
- Steuben County, 9-1-1 Center, Bath, NY

- Wayne County 9-1-1/Communications Center, Honesdale, PA
- Wyoming County 9-1-1 Center, Tunkhannock, PA

Judicial/Municipal

- Blair County District Justice Office, Hollidaysburg, PA
- Tioga County Courthouse Addition, Wellsboro, PA

K-12

- Altoona Area School District, Junior High School, Altoona, PA
- Forest Hills School District, District-Wide Feasibility Study, Sidman, PA
- Loyalsock Township School District, Donald E. Schick Elementary School Additions/Alterations, Montoursville, PA
- Meyersdale Area School District, Meyersdale Area High School HVAC Renovations/Upgrades, Meyersdale, PA
- Pittsburgh Public Schools, Pittsburgh, PA
- Richland School District, Junior/Senior High School, Johnstown, PA
- School District of Philadelphia, Samuel Fels High School, PA
- State College Area School District, Architectural and Engineering Design Services for High School Additions/Renovations, State College, PA

Higher Education

- Indiana University of Pennsylvania, Chiller System Installation and Boiler Plant Upgrade, Indiana, PA
- Mount Aloysius College, Campus Pedestrian Mall, Cresson, PA
- The Pennsylvania State University, Rec Hall Wrestling and Student Fitness Center Addition/Renovations, University Park, PA
- University of Pittsburgh, Petersen Sports Complex, Pittsburgh, PA

Healthcare/Nursing Home

- Berks Heim County Nursing Home, Leesport, PA
- Conemaugh Memorial Medical Center, Design Services for Addition to P3 Area and MRI Suite, Johnstown, PA

Commercial

- Chamber of Business & Industry of Centre County, Technology Center Expansion at Innovation Park, State College, PA
- Delran Builders Company, Inc., Tenant Fit-Out for Comcast, Aston, PA
- El Paso Energy, Cambria Cogen Blower Motors Structural Evaluation and Lift System Design, Ebensburg, PA
- EME Homer City Generation, L.P., Helvetia Mine Stormwater Plan, Homer City, PA
- HRI, Inc., Study for a New Office and Maintenance Facility, State College, PA
- John Murtha Johnstown-Cambria County Airport, Terminal Building Additions, Johnstown, PA
- LTV - South Side Works Parking Garages 2, 3, 4, and 5, Pittsburgh, PA
- US Airways, Inc.
- Windber Research Institute, Laboratory and Multi-Tenant Office Building, Windber, PA

Brad Blickenderfer, PE
Electrical Engineer

Professional Experience

Years of Experience: 13

Education:

- BS, Electrical Engineering, University of Pittsburgh at Johnstown, 1999

Registration:

- Professional Engineer, PA

Relevant Skills:

Proficient in AutoCAD 2000i and AutoCAD 2010, Visual, and Various other equipment sizing programs. Basic knowledge of SKM

- **Project Manager / Associate.** Responsible for all phases of Electrical Engineering and design of K-12 Educational and Higher Educational facilities, Hospitals, Office Buildings, Institutional Facilities, and other Commercial and Industrial Facilities. Work includes writing proposals and fee negotiation, design conferences, survey of existing facilities, project design and coordination with all trades, specification writing, drafting, construction administration, and final closeout procedures.
- **Electrical Engineer.** Responsible for residential and light commercial wiring, including project take-off and bidding.
- **Electrical Designer.** Responsible for design and drafting of HVAC control systems.
- **Electrician.** Responsible for residential and light commercial wiring, including project take-off and bidding.
- **Electrical Engineering Intern.** Responsible for design and installation of industrial equipment and controls for electroplating lines.

Robert H. Jozwiak, RCDD
Electrical Designer

Years of Experience: 35

Education:

- Associate, Drafting/Engineering
Technology, Pittsburgh Technical
Institute, 1977

Affiliations:

Building Industry Consulting Service
International, Inc. (BICSI)

Certifications:

Registered Communications Distribution
Designer (RCDD)

Professional Experience

Mr. Jozwiak currently serves as a Senior Electrical Designer for L.R. Kimball's A/E Division. He has over 35 years of experience with electrical and telecommunications system design which includes power, lighting, fire detection, grounding, data, sound, and security systems. Mr. Jozwiak's project experience includes educational, commercial, public safety, judicial, and healthcare facilities involving both new construction and renovation.

Prior to joining L.R. Kimball, Mr. Jozwiak's responsibilities included the design of electrical distribution systems, standby/emergency power generator systems, UPS systems, workstation power and data wiring, nurse call systems, emergency power transfer systems, switchboard and switchgear designs, and site utility power design and layout. He was also responsible for surveying potential projects, estimating, and construction administration.

Project Experience

Public Safety/Judicial/Municipal

- Beaver County Emergency Services Center, Beaver, PA
 - Tele/Data, Network Design, and Redundant Utility/ Generator Designs for Emergency Services Building
- Blair County District Justice Office, Hollidaysburg, PA
- Hancock County, New Office of Emergency Management/911 Center and Health Department Building Complex, New Cumberland, WV
- Youngwood Borough, New Borough Office Building, Youngwood, PA

K-12

- Altoona Area School District, Junior High School, Altoona, PA
- Archdiocese of Philadelphia, Pope John Paul II High School, Philadelphia, PA
- Brownsville Area School District, District-Wide Facility Study, Brownsville, PA
- Carlynton School District, District-Wide Facility Study, Carnegie, PA
- Forest Hills School District, District-Wide Facility Study, Sidman, PA
- Harmony Area School District, K-12 Facility Renovations/Additions, Westover, PA
 - Power Distribution and Lighting Upgrades
- Pittsburgh Public Schools, Long-Term Facilities Needs and Utilization Plan, Pittsburgh, PA
- Plum Borough School District, District-Wide Facility Study, Plum, PA
- Portage Area School District, Portage, PA
 - Elementary School Renovations
 - Portage Area Junior/Senior High School Additions/Alterations
 - Football Stadium Improvements

Higher Education

- California University of Pennsylvania, California, PA
 - Tele/Data Design for Convocation Center
 - Roadman Park Access Roads and Utility Extension
- Mount Aloysius College, New Convocation Center, Cresson, PA
 - Power, Lighting, and Fire Alarm System
- University of Pittsburgh, Petersen Sports Complex, Pittsburgh, PA
 - Quality Control Services for Tele/Data, Network, Power, and Lighting Designs
- Westmoreland County Community College, New Education Center, Latrobe, PA

Commercial

- Hyatt Hotel at the Pittsburgh International Airport, Restaurant Renovations, Pittsburgh, PA
- PA Department of General Services, Armed Forces Reserve Center and Field Maintenance Shop, Williamsport, PA
 - Tele/Data, Network and Redundant Utility/Generator Design for National Guard/Reserves Readiness Center

Sports

- Oxford Development Company, Owner's Representative Services for Pittsburgh Penguins Arena, Pittsburgh, PA

Healthcare

- Reproductive Health Specialists, Renovation of Former Tivoli Restaurant into a Medical Outpatient Surgery Building (Penn Hills Ambulatory Surgery Center), Pittsburgh, PA

David J. Ciner, CPD, LEED AP
Plumbing Designer

Years of Experience: 40

Education:

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

Affiliations:

American Society of Plumbing Engineers

Certifications:

Certified Plumbing Designer, 1980
LEED Accredited Professional (2009)

Professional Experience

Mr. Ciner currently serves as a Plumbing/Fire Protection Designer in L.R. Kimball's A/E Division. He has nearly 40 years of experience and is involved in the design and preparation of working drawings for all types of plumbing/fire protection systems. Mr. Ciner's professional experience includes the preparation of plumbing and fire protection specifications, field surveys, and cost estimating of various building types. His project experience includes educational, commercial, office, public safety, correctional, industrial, manufacturing, transportation, judicial, municipal, healthcare, and recreational facilities.

Prior to joining L.R. Kimball, Mr. Ciner's experience included plumbing system design for the State Capitol Building, Harrisburg, PA, Highland Veterans Administration Hospital, Pittsburgh, PA, and Mellon Independence Center, Philadelphia, PA.

Project Experience

Correctional

- Anthony Correctional Center, White Sulphur Springs, WV
- Denmar Correctional Center, New Multipurpose Building and Correctional Industries/Vocational Building and New Roof for Greenbrier Birthing Center, Hillsboro, WV
- SCI Smithfield, New Housing Unit and Infrastructure/Security Upgrades, Huntingdon, PA
- West Virginia Juvenile Detention Facilities Evaluation/Condition Assessments, Various Locations, WV

Public Safety

- Altoona City Hall Renovations, Altoona, PA
- New Jersey State Police, Technology Complex, Hamilton, NJ

Judicial/Municipal

- Blair County Courthouse Additions/Renovations, Hollidaysburg, PA
- Kenosha County Courthouse Renovations/Additions, Kenosha, WI
- Kenosha County Civic Center, Kenosha, WI
- Snyder County Courthouse Renovations/Additions, Middleburg, PA

K-12

- Altoona Area School District, Altoona, PA
- Junior High School
- Pleasant Valley Elementary School
- Curtin Building Boiler Room Addition and New Boiler
- High School Black Box Theater (Phase I)
- Keith Junior High School Domestic Water Main Replacement
- Roosevelt Junior High School Plumbing System Rehabilitation
- Steven's Building Restroom Renovations
- Central Cambria School District, Ebensburg, PA

- Middle School Addition and Alterations to the Central Cambria High School
- Cambria Elementary School Renovations/Additions
- High School Renovations/Additions
- Schematic Design Services for Middle School Renovations
- Jackson Elementary School Toilet Room Upgrades

Higher Education

- Indiana University of Pennsylvania, Indiana, PA
- Comprehensive Athletics Facilities Master Plan
- Kovalchick Convention and Athletic Complex
- Chiller System Installation and Boiler Plant Upgrade
- President's Residence
- The Pennsylvania State University, University Park, PA
- Nittany Lion Softball Park
- Rec Hall Wrestling and Student Fitness Center Addition/Renovations
- Engineering Research Center
- Center for Sustainability Greenhouse

Healthcare/Nursing Homes

- Blair Plastic Surgery, Renovations/Additions to Existing Building for New Medical Offices, Altoona, PA
- Windber Medical Center, Windber, PA
- Joyce Murtha Breast Care Center
- Tissue Bank Research Institute

Office/Commercial/Conference

- Blair County Convention Center, Altoona, PA
- Chestnut Ridge Resort, Blairsville, PA
- Hotel/Conference Center
- Condominiums
- Addition to Chestnut Ridge Inn

Transportation

- Blair County Parking Garage, Hollidaysburg, PA
- Yeager Airport Rental Car Facility and Fueling Terminal, Charleston, WV

Recreational

- Cambria County Redevelopment Authority, Nanty Glo Recreation Center Team Room, Nanty Glo, PA
- Schoenbaum Soccer Stadium and Amphitheater, Charleston, WV

O. Thomas McConnell, PE
Geotechnical Engineer

Years of Experience: 45

Education:

- BS, Civil Engineering Technology,
University of Pittsburgh at Johnstown,
1979

Registrations:

- Professional Engineer, WV
- Professional Engineer, FL
- Professional Engineer, MD
- Professional Engineer, PA
- Professional Engineer, OH
- Professional Engineer, NC
- Professional Engineer, VA
- Professional Engineer, NJ
- Professional Engineer, MA
- Professional Engineer, DE
- Professional Engineer, DC
- Underground Storage Tank Inspector,
NJ

Affiliations:

- American Concrete Institute
- American Society for Testing &
Materials
- American Society of Civil Engineers
- Association of Drilled Shaft Contractors
- Association of Engineering Firms
Practicing in the Geosciences
- Association of State Dam Safety
Officials
- Deep Foundations Institute
- Post Tensioning Institute
- National Society of Professional
Engineers

Professional Experience

Mr. McConnell serves as Vice President and Operations Manager–Geotechnical Engineering for the Architecture and Engineering Division. He is L.R. Kimball's senior experienced Geotechnical Engineer experienced in geotechnical engineering, wetlands/environmental impact assessments and remedial investigations associated with site civil work, highway design, soils/foundation engineering projects, solid waste landfill designs, hydrology, hydraulics, permitting/certifications, remedial action analysis and designs, soils laboratory testing, material studies, and remedial action surveillance projects.

His engineering and supervisory experience has incorporated the application of innovative cost effective ground improvement techniques, anchor/tie-back systems, geosynthetic fabrics and geogrids and proprietary retaining wall applications. He is experienced in the application of traditional as well as innovative foundation systems for building structures; retaining walls, landfills caps, interim remedial ground modification techniques, cutoff walls, buried structures, and deep foundation systems.

He has completed numerous soils and foundation investigation reports for public buildings, slide repairs, dams, airports, roadways, storage tanks, industrial structures, bridges, coal cleaning plants and coal storage silos. These projects included responsibility for subsurface investigations, field testing, laboratory testing, and geotechnical analysis relative to foundation stability, settlement, and slope stability.

He is a member of the firm's dam inspection team and, as such, is responsible for on-site inspection, geotechnical assessment, and hydrologic/hydraulic analysis of dams and appurtenant structures, and project review. He is a member of the Associates of State Dam Safety Officials (ASDSO).

Project Experience

- **Allegheny County Airport Authority - Engineering Services for Cherrington and Clinton Commerce Parks.** Principal Geotechnical Engineer. Responsible for oversight and internal QC for geotechnical engineering services including, drilling and sampling, inspection, laboratory testing, engineering analysis and reports. Also participated in site visits during construction to assess conditions.
- **Wal-Mart, Inc., Kilbuck Township Landslide Stabilization.** Principal Geotechnical Engineer and Geotechnical Engineer. On-site days after the slide to represent Wal-Mart and to perform on-site observations and document slide movement and clean-up. On-going geotechnical services (since September 2007) responsible for on-site inspections, drilling and sampling, instrumentation installation and analysis, testing, and design review.
- **Southpointe Boulevard and Morganza Road Improvements, Washington County Authority, Washington, PA.** Sr. Geotechnical Engineer. Site Development, widening of Southpointe Boulevard from 2

to 4 lanes, and the installation of turning lanes on Morganza Road. Responsibilities included development of the subsurface investigation program, management and direction of geotechnical services for drilling and laboratory testing, slope stability analyses for proposed cuts and fills, and preparation of Geotechnical Engineering Reports.

- **Heinz Field and Demolition of Three Rivers Stadium, Sports & Exhibition Authority of Allegheny County, Pittsburgh, PA.** Project Geotechnical Engineer for preliminary and final subsurface investigations, laboratory testing, analyses, report; and oversight of construction of more than 2,300-feet of auger cast-in-place concrete piles for the New Pittsburgh Steelers NFL Stadium.
- **Hyatt Hotel and Conference Center, Dauphin County General Authority, Pittsburgh International Airport, Pittsburgh, PA.** Project Geotechnical Engineer for final subsurface investigations, laboratory testing, analyses, and report. The project included geotechnical services associated with construction of a 12 story hotel and restaurant. The structures were proposed on deep fills, and foundations included spread footings and driven H-pile deep foundations.
- **Blair County Convention Center, Blair County Convention Center & Sports Facilities Authority, Altoona, PA.** Project Geotechnical Engineer for preliminary and final site investigation, laboratory testing, analyses, and report. Project included geotechnical services associated with the construction of the new Convention Center. Deep drilled shaft foundations were recommended and designed as the foundation system for this structure.
- **SCI - Fayette Prison, Pennsylvania Department of General Services, Fayette County, PA.** Project Geotechnical Engineer for preliminary and final site investigation, mining investigation, laboratory testing, analyses, and report. Project included geotechnical services associated with the construction of on the new prison on deep earth fills over mined out area. Review settlement monitoring during construction.
- **Allegheny County Jail, Allegheny County, Allegheny County, PA.** Project Geotechnical Engineer for preliminary and final site investigation, laboratory testing, analyses, and report associated with the design of the 12-story prison. Project included 250+ variable depth end bearing caissons and anchored retaining wall.
- **High School and Middle School Additions and Alterations, Central Cambria School District, Ebensburg, PA.** Sr. Geotechnical Engineer responsible for the preparation of the project drilling and sampling plan, site subsurface exploration drilling, drilling inspection, laboratory testing, foundation analysis and report.

Benjamin B. Gordon, PE
Geotechnical Engineer

Years of Experience: 14

Education:

- MS, Civil Engineering, Rensselaer Polytechnic Institute, 1998
- BS, Civil Engineering, Rensselaer Polytechnic Institute, 1997

Registrations:

- Professional Engineer, WV
- Professional Engineer, AZ
- Professional Engineer, CA
- Professional Engineer, IA
- Professional Engineer, MD
- Professional Engineer, MI
- Professional Engineer, NY
- Professional Engineer, OH
- Professional Engineer, PA
- Professional Engineer, VA

Affiliations:

- American Society of Civil Engineers
- American Society of Highway Engineers
- American Railway Engineering and Maintenance-of-Way Association

Certifications:

- OSHA 40 Hour Hazardous Waste Operations & Emergency Response Training
- 8 Hr Haz Refresher Training issued 5-3-11
- Child Abuse History 11/20/11
- Federal Criminal History 11/15/13
- State Criminal Record Check 11/8/11
- PADOH EMT #149623 expires 7/1/14
- E-railsafe Badge #172803805239 issued on 4/4/09 expires 4/4/13

Professional Experience

Mr. Gordon serves as a Geotechnical Engineer for the Architecture and Engineering Division. He has over 12 years of experience working on civil and geotechnical engineering projects. He has performed numerous geotechnical investigations for public buildings, industrial structures, roadways, and bridges. These projects included overseeing subsurface investigations, scheduling and interpreting laboratory tests, performing geotechnical analyses relative to foundation design, settlement, slope stability, and pavement design. Related geotechnical work includes drilling inspection, load test oversight, geosynthetic reinforcement applications, analyses of lateral capacity of piles and drilled shafts, wick drains, and analyses of deficient foundation systems.

Mr. Gordon has also provided inspection services, written scopes of work and specifications, performed hydrologic and hydraulic calculations, prepared cost analyses, and reviewed reports from other consultants.

Project Experience

Geotechnical Engineering

- **PATH Allegheny Due Diligence Work, Proposed Kemptown Substation, Kenny Construction.** Geotechnical Engineer of Record for a preliminary geotechnical investigation of a proposed electrical substation. Responsibilities included development of the subsurface investigation program, management and direction of geotechnical services for drilling and laboratory testing, coordinating with the client, drilling inspection, and preparation of a report presenting the findings of the subsurface investigation.
- **Sturgeon Pool Dam, Central Hudson Electric and Gas Corporation, Rosendale, NY.** Member of a multi-disciplinary team inspecting this hydroelectric dam built in the 1920's. Responsibilities included observing and documenting the condition of the dam, performing stability analyses of the dam, and assisting to prepare the inspection report.
- **Southern State Correctional Facility, Cumberland County, NJ.** Geotechnical services team member for the review of potentially deficient wooden pile foundations. Responsibilities included identifying potentially deficient pile caps, development and implementation of an exploratory drilling program, scheduling of laboratory testing, review of pile installation data, pile capacity and settlement analyses, and report preparation.
- **Olympic Sports Complex, University of Pittsburgh, Pittsburgh, PA.** Geotechnical Engineer of Record for the design of baseball, softball, and soccer fields, a support building, and associated grandstands. A two-tiered MSE retaining wall up to 40 feet high and build on a slope was required to achieve sufficient area for the fields. Also, the site was deep mined at depths of 40 to 70 feet. Responsible for proposal preparation, geotechnical phase project management and financials, drilling

scheduling, scheduling and review of laboratory testing, engineering analyses for mine grouting and slope stability analyses, retaining wall design, and report preparation.

Transportation Engineering

- **Southpointe Roadway Improvement Projects, Washington County Authority, Washington County, PA.** Geotechnical Engineer of Record for widening of Marganza Road and Southpointe Boulevard to accommodate turning lanes. Responsible for geotechnical phase project management and financials, preparation of an HOP, drilling scheduling, scheduling and review of laboratory testing, slope stability analyses, pavement design recommendations, and GER preparation.
- **Allegheny Tunnel Transportation Improvement Project, Pennsylvania Turnpike Commission, Somerset and Bedford Counties, PA.** Geotechnical services team member for the analysis of alternative routes to bypass the existing tunnel. Responsibilities included performing a peer review of the alternatives analysis report.

Geotechnical Inspection

- **Heinz Field, Sports & Exhibition Authority of Allegheny County, Pittsburgh, PA.** Lead Inspector for the approximately 2,300 auger-cast piles installed as the foundation for the new stadium. Duties included overseeing static load testing, coordinating the activities of three inspectors, and documenting pile construction procedures.
- **MeadWestvaco Warehouse, L. S. Fiore, Alexandria, PA.** Geotechnical services team member for design and construction phase services for this approximately 120,000 square foot warehouse facility. Duties included preparing the geotechnical proposal, coordinating drilling activities, preparing recommendations for foundation construction, and observing site excavation and backfilling operations.

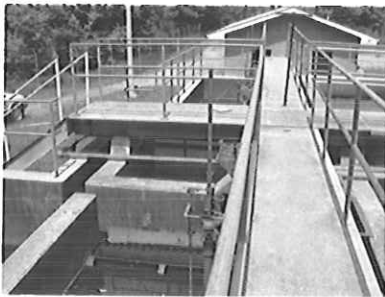
PROJECT EXPERIENCE

Client:
Mt. Aloysius College

Sanitary Sewer System Evaluation and Corrective Action Plan Cresson, PA

Client Reference:
Sister Mary Ann Dillon
814-886-4131

L.R. Kimball performed a sanitary sewer evaluation of the Mount Aloysius sanitary sewer system. Work includes gathering and compiling existing information, evaluating existing information, dye testing, manhole inspection, flow measurements, data compilation, GPS survey of manholes, sanitary sewer map preparation, and data compilation. The compiled information was evaluated and a corrective action plan was developed to address the repair and removal of extraneous water from the sewer system. Mount Aloysius continues to follow the corrective action plan to progressively to reduce flows from their sewer system.



Client:
Cambria Township Sewer Authority

Sanitary Sewer Replacement Engineering Services, Mylo Park and Colver Revloc, PA

Client Reference:
Rich Evans, Chairman
814-472-5023

L.R. Kimball was hired to design new sanitary sewers to replace existing sanitary sewers in specific areas of Mylo Park and Colver. The new sewers removed extraneous water that is entering the sanitary sewer system creating hydraulic overloads to the sanitary sewer collection and treatment systems. Work included the preparation of topographic mapping for the project areas, Preliminary Design, Final Design, permit application preparation, construction bid package, bidding services, construction administration and construction inspection. These projects were funded through PENNVEST with L.R. Kimball preparing the PENNVEST application and assisting with the closing on the loan. L.R. Kimball prepared updates of the sanitary sewer maps for the Revloc System. We also reviewed CSO operations and Revloc WWTP pump station overflows.

Engineering Services
Cambria County, PA



In the fall of 2006 the Borough of Franklin was placed under a consent order by the Department of Environmental Protection and directed to evaluate joining a regional wastewater collection system. The Borough of Franklin, unlike other members of the regional system, had a separate storm and sanitary collection system. L.R. Kimball secured an initial \$10,000 study grant to perform the initial evaluation and recommended that based on the expected condition of the system that the Borough's collection system remains independent.

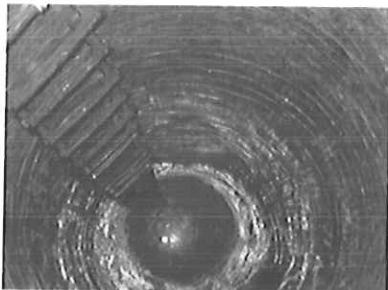
L.R. Kimball, on Franklin's behalf, negotiated with the PA DEP a testing and inspection schedule that would ultimately culminate in repairs and rehabilitation to the aging collection system which in turn saved the residents the cost of completely replacing their system.

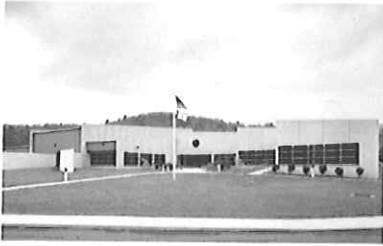
L.R. Kimball has secured an additional \$100,000.00 in PA DCED money on Franklin's behalf and performed the physical inspection of approximately 125 manholes in the Franklin Sanitary Sewer system. The field data collected was compiled in an Access data base to allow manipulation and the preparation of reports of the data. An updated map of the sanitary sewer system was prepared using GIS field surveys and compiled in a GPS compatible format. As a result of this investigation, corrective actions were scheduled for the sewer system to eliminate problems and sources of extraneous water.

L.R. Kimball then assisted Franklin in securing additional DCED money and CDBG money. L.R. Kimball prepared and bid the necessary video inspection work, prepared the engineering design for the required manhole rehabilitation, and provided construction inspection for the manhole repairs. L.R. Kimball also represents Franklin Borough at all meetings and prepares quarterly reports for the PA DEP. To date 100% of the work completed on the Franklin sanitary sewer system has been done with Grant Funding.

Client:
Franklin Borough

Client Reference:
Richard McNulty, Council President
814-536-6846





**Anthony Correctional Center
Neola, West Virginia**

Client:
West Virginia Department of
Corrections

Completion Date:
February, 1999

Construction Cost:
\$15.4 Million

Number of beds:
196

L.R. Kimball provided complete A/E design services from the schematic design phase through the construction administration phase for a new 132-bed youthful offender facility (adult) and a 64-bed boot camp. The project included new administrative, medical, food service, visiting, educational, and athletic space. The project also included complete master planning of the site to include renovation of the existing maintenance facilities, gymnasium, warehouse, and vocational and technical shops. L.R. Kimball also provided services for the design of new water and wastewater facilities including tankage and complete distribution systems to support this freestanding facility. L.R. Kimball also provided topographic mapping and geotechnical services.

The renovation program consisted of converting or demolishing the existing campus composed of trailer-type buildings which were built in 1965, metal buildings, and a masonry structure into a modern campus of six structures which includes the new main structure. Housing capacity was increased from 50 to 196 by utilizing eight dormitories. Support facilities were also expanded. The housing units now contain co-ed facilities. One renovated building is now a boot camp with three dormitories housing 64 inmates including eight beds for female inmates. The remaining renovations were for either support or vocational programs.



This facility utilizes insulated precast concrete exterior wall panels and standing seam metal roofing. All interior construction exposed to inmates is of low-maintenance materials, i.e. concrete block, steel, vinyl tile, and paint. Ceiling materials are a mixture of high-impact drywall, security tectum (for acoustics), suspended acoustical, or exposed steel with spray-on insulation. Glazing throughout the facility is tempered except at secure areas such as Central Control and guard stations where attack-resistant materials are used. All window frames are hollow metal. The windows in the dormitories are detention-type windows.



All doors, except those at the main entry, are either hollow metal or security-type doors. There is limited electronic security in the form of cameras, an intercom system, and electronic door hardware at all access doors, sallyports, and dormitories controlled by both Central Control and individual guard stations. Design and construction of the facility was completed by phasing construction so as to maintain the ongoing operation of the facility.

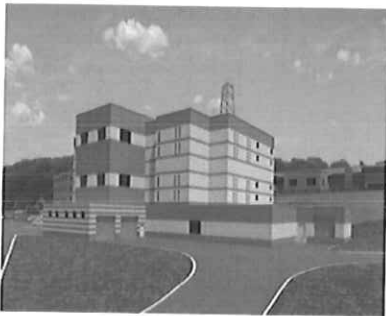


Plaquemes Parish Detention Facility Dravant, LA

Client:
Plaquemes Parish

Client Reference:
Anthony Smith, Corrections Chief
504-812-9360

L.R. Kimball is currently providing architectural and engineering services for the Plaquemes Parish Detention Facility project. The project involves the replacement of Plaquemes Parish's damaged correctional facilities with a permanent correctional facility for the Plaquemes Parish Sheriff's Office. The facility will be a single-building footprint providing services and support for 871 inmates. The facility will be, to the degree practical, designed and constructed to federal, state, and local building codes. The design of the facility will be based on an elevated platform structure for the first floor elevation to be approximately 19 feet above flood elevation. The facility's construction will utilize precast concrete cells and precast concrete wall panels. Foundations are deep piling system and precast concrete substructure for the elevated platform to the first floor elevation. The facility layout has been developed to comply with American Correctional Association (ACA) standards as accepted by the Sheriff's Office, the State, and FEMA. The design approach has been developed to minimize the site footprint and associated site development costs largely attributable to the elevation improvement requirements imposed by FEMA. The design of the facility will also enhance security and minimize operational costs. Housing of inmates warrants infrastructure development that is significantly different than typical construction due to operational and security requirements in this region. These infrastructure requirements include, but are not limited to, Administrative, Intake, Medical/Program, Food Service, Warehouse Storage, Booking/Processing, Visitation/Counseling, Programs, Laundry, Staff Support, Mechanical/Generator/Storage, Maintenance/Equipment/Storage, Outdoor Recreation, Video/Security, and Inmate Housing.



Livingston County Jail Expansion/Renovation Geneseo, NY

Client:
Livingston County Sheriff's
Department

Client Reference:
Sheriff John York
585-243-7120

L.R. Kimball, in association with Erdman Anthony, provided architectural and engineering design and construction administration services to Livingston County for the expansion and renovation of the County Jail. The new addition added 150 beds to the existing jail for a total capacity of 197 beds. Renovations included expanded food and laundry services, visitation, programs, medical services, and administrative offices. The new construction includes staff support space, Intake, ATI processing, and five additional housing units. The project consisted of approximately 19,670 square feet of renovations and 56,000 square feet of additions.



**Butler County Prison
Butler, PA**

Client:
Butler County Prison

Client Reference:
Richard T. Shaffer, Deputy Warden of
Security
724-284-5256

As counties across the country have struggled with ever-growing jail populations, an increasing number of programs and policies have been developed and implemented in attempts to provide alternatives to incarceration. In the case of Butler County, its officials have made a significant commitment to the development and implementation of such programs. Despite those efforts, the County is experiencing an ever-growing need to house its overflow inmates in other jurisdictions. Given those circumstances, the County committed to the construction of a new 512-bed direct supervision facility in close proximity to the courts and related services. The new facility houses inmates in nine separate housing units depending on classification. The design is capable of being expanded to 800 beds as future needs may require. Accordingly, all support components are sized to accommodate future needs. Special provisions of the design include a hearing room for preliminary proceedings and non-contact visitation on the mezzanine of each housing unit.



**Franklin County Jail
Chambersburg, PA**

Client:
Franklin County Commissioners'
Complex

Client Reference:
John A. Hart, Chief Clerk
717-261-3810

L.R. Kimball provided architectural and engineering design and construction administration services for the new 135,295 square foot Franklin County Jail, which houses up to 428 inmates with core facilities designed to support future expansion of up to 750 beds. All housing units are designed for delivery of services to each unit, minimizing inmate movement and staffing. Visitation is on the mezzanine level of each unit as well as any attorney/client consultation. The exercise areas on each unit are covered with secure openings to the side to facilitate cross ventilation of the space. Services requiring inmate movement include medical services, group education/counseling, and religious services. Cells do not have windows for natural daylight, which is provided via dayroom windows sized to meet standards. Fixtures are at the rear of each cell with a service corridor for maintenance. A magistrate hearing door is also provided to minimize inmate movement to the courts.





**Mercer County Jail
Mercer, PA**

This 109,555 square foot direct supervision facility has an initial capacity of 266 beds with core and support components capable of accommodating 124 additional beds in the future. This project is the end result of a structured planning process in which a prior Board of Commissioners developed a needs assessment through a consultant. Subsequently, our firm was selected to study and compare alterations/additions with new construction.

Client:
Mercer County, PA Board of
Commissioners

Client Reference:
Brian Bader, Commissioner
724-662-3800



SCOPE OF WORK

Based on the Expression of Interest (EOI), the West Virginia Division of Corrections (owner) is proposing several specific projects for the St. Mary's Correction Center located along State Route 2 in St. Mary's, West Virginia. These projects include

- Building 80 structural corrections,
- Installation of a grease interceptor for the Kitchen Facility,
- Separation of the sanitary and storm sewers for Building 83,
- Installation of a Muffin Monster, or equivalent, to the last facility manhole,
- Design a fix to the leaking existing sewer lines, and
- Per Addendum #1, install backflow preventers to various buildings across the facility.

L.R. Kimball approaches each project in a similar manner. We generally Study the Existing Information, Field Research Existing Conditions, Perform Necessary Studies to Determine a Fix, and Design the Fix while maintaining Operations. This approach is further detailed below for this specific project. After each step L.R. Kimball will update the owner of the progress and provide the owner with potential solutions as they are developed so that communication is maintained throughout the project. A single Project Manager will manage all phases of the project, while the project team will include Task Managers (outlined in the Organization Chart) who have expertise in the specific areas required to satisfy the various project needs highlighted above.

Study the Existing Information

L.R. Kimball will bring the project team (Wastewater, Civil, Structural, Plumbing Engineer(s) and potentially an Architect) to the St Mary's project site to review the existing plans, pictures, and ask questions of the facility personnel to further review the issues, concerns, and limitations before designing the corrections.

L.R. Kimball will contact the applicable state, county and local review agencies to determine the permitting requirements for the project and their past concerns. L.R. Kimball will also review any documentation that the review agencies may have on file for the project that may not have been provided to the owner or any information on the downstream sanitary sewer system beyond the extents of the property. If possible, L.R. Kimball will gather this information during the St. Mary's visit. L.R. Kimball will develop a schedule for permitting and design and submit it the owner for review.

Field Research Existing Conditions

While on site, L.R. Kimball will review the structural issues for Building 80 with our structural engineer and architect to determine the appropriate investigations needed to explore a solution for the wall deflection and movement of the building walls. L.R. Kimball will review the grease traps for the kitchen facility and dishwasher, the interior layout of the building, the exterior utilities surrounding the building, and the downstream manhole (Muffin Monster location) with our wastewater, civil and plumbing engineer and potentially our architect to determine potential study areas or solutions. We have routinely designed Muffin Monsters, or similar equipment, for every jail or prison project we have been involved with to prevent damage to downstream pumps and treatment facilities from rags and other debris commonly placed in the sewer system by inmates. The L.R. Kimball plumbing engineer will also review the various buildings across the project site to determine appropriate locations within or outside of the buildings for the backflow preventers. The L.R. Kimball Wastewater and Civil Engineer will walk the site and explore the various sewer lines with the smoke testing report to determine any visible issues and determine any potential further testing. L.R. Kimball Wastewater, Civil and Plumbing Engineers will also investigate Building 83 to visibly document the interior and exterior conditions of the sanitary and storm sewers. It may be necessary to perform an internal video inspection of the sewer lines in the vicinity of Building 83 to determine the location of the interconnections, to most effectively design the separation of the storm and sanitary sewers in this area. Additional smoke or dye testing, if required, would also be conducted at this time.

Perform Necessary Studies to Determine a Fix

Once the initial field research has been completed, L.R. Kimball surveyors will visit the project site to utilize the existing information, provided by the client, to field survey facility utilities, test locations as applicable, structures, and topographical and planimetric features across the project area. Additional measuring within the facilities may also be necessary to supplement the drawings for the existing buildings. L.R. Kimball will have Environmental staff on site reviewing the existing buildings for environmental issues, such as asbestos, that may be impacted with the proposed improvements. L.R. Kimball will also mobilize a drill rig or backhoe to review the soil conditions around Building 80, if determined to be necessary.

Design the Fix While Maintaining Operations

Once the information is obtained from the surveyors, environmental, geotechnical, and sewer investigation staff, L.R. Kimball will review and compile the information and compare it with the existing information for the project site. L.R. Kimball will develop calculations, and analyze the information to determine a solution for the Building 80 structural issues and how it may be implemented within the facility. L.R. Kimball will design the kitchen and dishwasher grease trap in an appropriate location with minimal disturbance to the existing facility, utilities and the inmates. L.R. Kimball will design improvements or solutions to the various sewer issues across the project site and separate the storm and sanitary sewer facilities extending from building 83. An appropriately size Muffin Monster or equivalent will be designed for a downstream manhole with appropriate controls and telemetry to allow for efficient operation and maintenance of the equipment. L.R. Kimball will also design adequate backflow prevention devices, for each of the applicable buildings across the site, in areas where they can be easily accessed for proper maintenance.

L.R. Kimball will prepare drawings and specifications for the various designs and review them with the owner and the various review agencies. Construction schedules, bidding, impacts to the existing operations, security, phasing and concerns will be discussed with the owner.

L.R. Kimball will incorporate any plan revisions into the construction documents and specifications and re-review the plans, as needed, with the owner.

L.R. Kimball will assist the owner with the bidding process by providing drawings and specifications to the various contractors, answering contractor questions or requests for information, and issuing addenda as required. L.R. Kimball will also evaluate the bids and provide a recommendation to the owner for the construction of the project. L.R. Kimball can assist the owner with the award documents and notice to proceed to the contractor(s).

Once a contractor(s) is selected, L.R. Kimball will provide construction administration services to oversee the construction and implementation of the construction documents. L.R. Kimball has provided construction administration services in varying degrees. L.R. Kimball can oversee construction activities including leading project meetings with contractors, processing shop drawing information, reviewing payment requests and visibly inspecting and documenting the installations across the project site in accordance with the construction documents.

L.R. Kimball has been managing projects for over 50 years. A systematic approach to the project design along with ample communication enables a project to be completed on time and within budget. L.R. Kimball is known for our ability to satisfy the project needs of our new and existing clients by meeting time and funding constraints. The diversity of our project experience enables us to successfully work with funding agencies, clients, developers and contractors. We believe L.R. Kimball can provide you with the means and ability to make your proposed project a success.