

March 4, 2013

Department of Administration  
Division of Facilities Development  
Attention: Sharon Blattner Held  
101 East Wilson Street  
Madison, WI 53702

RE: Architectural & Engineering Planning Services for  
University of Wisconsin Milwaukee Southwest Quadrant Redevelopment Plan  
DFD Project No. 12L2Y

Ms. Blattner Held and Members of the Selection Committee:

Quorum Architects, Inc. is pleased to submit this Letter of Interest to provide A/E services for the State of Wisconsin – Division of Facilities Development for the University of Wisconsin Milwaukee Southwest Quadrant Redevelopment Plan.

**In response to the specific needs of your project we are pleased to present the following team, all of whom are highly regarded firms dedicated to superior client service and sustainable design practices:**

<b>Quorum Architects</b>	Architect of Record, Facility Condition Assessment
<b>VOA Associates</b>	Space Planning/ Design Architect
<b>Jacobs Consultancy</b>	Lab Programming
<b>Comprehensive Facilities Planning</b>	Academic Programming
<b>Affiliated Engineers</b>	MEP/ Utility Infrastructure Engineering
<b>Arnold &amp; O'Sheridan</b>	Structural Engineering
<b>Fehr &amp; Peers</b>	Parking and Transit Planning
<b>Ken Saiki Design, Inc</b>	Landscape Planning
<b>Concord Group</b>	Cost Estimating

**Quorum Architects, Inc.** is an interdisciplinary architectural and engineering Milwaukee firm with exceptional expertise in a variety of higher education project types for both new and renovation construction.

**VOA** is a Chicago-based architectural, planning and interior design firm, with exceptional expertise in higher education projects, including classroom and research lab facilities, as well as historic preservation.

**Jacobs Consultancy** is a Tarrytown, New York lab programming and planning firm. They were the lab planners for the University of Wisconsin Milwaukee Master Plan.

**Comprehensive Facilities Planning** is a Columbus, Ohio space programming and planning company. They have recent experience working with VOA on both the University of Wisconsin Oshkosh Sage Hall project, and the multi-use Roosevelt University project in Chicago.

**Affiliated Engineers** of Madison, Wisconsin specializes in the MEP engineering of science research buildings, with additional expertise in utility infrastructure planning. They were on the University of Wisconsin Milwaukee Master Plan team, and have done several projects at other UW campuses.

Following are brief resumes for key staffers listing each one's relevant experience, and a list of similar academic new building and building renovation projects.

Please let me know if you need additional information. We look forward to working with you on this project!

Sincerely,



Allyson Nemeck, AIA  
Quorum Architects, Inc.

## PROJECT TEAM BIOS



### **Allyson Nemec, AIA, LEED AP – Principal-in-Charge (Quorum Architects)**

Allyson is a principal of Quorum Architects and has over 25 years of experience in architectural design. Her background in architectural history and professional experience in historic preservation architecture make her well-suited for coordinating the architectural and engineering services on renovation and adaptive re-use projects. She is involved in master plan development, schematic design and design development of the firm's projects. Allyson also has managed many complicated public projects including several projects for the University of Wisconsin-Milwaukee, the Housing Authority of the City of Milwaukee and Milwaukee County Parks.

***Allyson's recent project experience includes the UWM NWQ Children's Center Relocation, the UWM Northwest Quadrant Redevelopment Plan and the UWM A/E On-Call Contract.***



### **Jeffrey Conroy, FAIA, LEED AP – Lead Planner/ Design Architect (VOA Associates)**

Mr. Conroy is a Principal of VOA and has practiced architecture for thirty-nine years. He has successfully completed a broad range of Architecture, Campus Planning, Adaptive Re-use and Preservation projects with a specialty in Higher Education. Jeff brings expertise in campus planning, academic buildings, student services, athletic and recreation facilities.

***Jeff's project experience includes Campus Master Plans for Eastern Illinois University, Illinois State University, and the University of Colorado at Colorado Springs. He was also Design Architect for academic buildings at the University of Illinois on all three of its campuses, Indiana University, the Ohio State University, and the College of DuPage.***



### **Steve Siegle, AIA, LEED AP BD+C – Project Architect (VOA Associates)**

Steve Siegle is a Senior Vice President of VOA with twenty-five years of professional experience. He has worked on numerous successful master planning and architecture projects for VOA. He has also served as Visiting Professor at the University of Illinois' School of Architecture Study Abroad Program at Versailles, France.

***Steve's project experience includes Sage Hall at the University of Wisconsin Oshkosh, Coulter Hall Historic Renovation at the University of Chicago, several renovation and new building projects at North Park University; and Master Plans for St. Ambrose University, Kennedy-King College, and Illinois College.***



### **Kevin Rohane, AIA – Lab Programmer (Jacobs Consultancy)**

Mr. Rohane is an Associate Principal of Jacobs and has 30 years of experience in the programming, planning and design of research lab facilities. His expertise includes functional and space programming activities for research and academic instructional research facilities. Special areas of responsibility include developing space standards, existing facilities analysis, design concepts, and macro- and micro-level development of laboratory and animal facilities.

***Kevin's most relevant lab programming experience includes research labs for: Princeton University, Dartmouth College, Emory University; University of Southern California and Duke University.***



### **Lisa H. Macklin – Academic Facilities Programmer (Comprehensive Facilities Planning)**

At CFP, Lisa serves as the higher education market leader, facility planner, programmer, and project manager for numerous space utilization and master planning projects. These responsibilities have provided her direct exposure to the space issues and trends facing educational environments from which she is able to bring creative insights to each new project.

***Lisa's project experience includes numerous planning and programming studies for academic spaces at the University of Connecticut, Pepperdine University, University of Michigan, Indiana University, Ohio University, Yale University and many more. Lisa was also part of the Sage Hall and Roosevelt University project teams.***



### **Brian Scotty, LEED AP - Principal Project Manager (Quorum Architects)**

Brian Scotty has a wide variety of experience managing architectural and interior design projects for corporate, institutional and municipal clients. Brian specializes in space planning and producing a thorough set of construction documents that solve detailed construction problems and successfully interface all systems. He is well versed in construction costs and phasing on architectural renovation projects.

***Brian's recent project experience includes the UWM NWQ Children's Center Relocation, the MATC Facility Master Plan, the MATC West Allis Campus Three Story Addition, and the MATC Mequon Campus Science Lab Renovation.***



**Ken Saiki, ASLA – Senior Landscape Architect (Ken Saiki Design, Inc)**

Ken Saiki is a Principal and Founder of Ken Saiki Design, Landscape Architects, of Madison, Wisconsin. The firm, established in 1989, is the recipient of a number of design awards, both nationally and on a state-wide basis. In addition to his professional practice career of over 34 years, Ken has lectured frequently at the University of Wisconsin-Madison for the Departments of Landscape Architecture and Urban and Regional Planning. His work in higher education includes campus master planning, site and landscape design for projects throughout the State of Wisconsin for public and private institutions.

***Ken's experience includes landscape design for the University of Wisconsin-Green Bay, University of Wisconsin-Madison and UW-Oshkosh master plans; the Olbrich Botanical Gardens in Madison, WI; and the waterfront concept and city-wide beautification plan, for Neenah, WI.***



**Mike Emerson, AICP, APT, LEED AP – Historic Preservationist (VOA Associates)**

Mr. Emerson is a Senior Vice President of VOA with twenty three years of experience. He has served as the planner and historic preservationist on projects for institutional, public, and commercial ventures. He is a member of the Association of Preservation Technologists, Historic Landmarks Foundation of Indiana, National Trust for Historic Preservation, and the American Institute of Certified Planners.

***Mike's historic preservation project experience includes Navy Pier in Chicago, Broadway Armory in Chicago, and Louis Sullivan's Auditorium Building in Chicago during the construction of Roosevelt University's new Vertical Campus project designed by VOA.***



**Mike Broge, PE, LEED AP, MEP Principal - Lead MEP/Infrastructure Engineer (Affiliated Engineers)**

A seasoned professional with over three decades spent in the practice of engineering consulting, Mike's project work has touched the diverse facility types that make up a university campus – research labs, classrooms, athletic facilities, libraries and student centers, and central plants. He has expertise in programming, facilities assessments, and pre-design activities.

***Mike's experience includes projects for the UW-Milwaukee Kenwood Integrated Research Complex Phase I, the UW-Madison Wisconsin Institutes for Discovery Building Massing Study, the UW-Madison Chemistry Instructional Facilities Addition and Renovation Study, the UW-Madison Biochemistry Building II, and the UW-Madison Wisconsin Energy Institute.***



**Jeff Kaehny, PE, LEED AP, Mechanical Engineer (Affiliated Engineers)**

Jeff is currently the lead mechanical engineer on the UW-Milwaukee Kenwood Integrated Research Complex project. Due to his work on numerous DFD projects, Jeff has built a solid and reliable reputation with the agency, as well as the UW-Milwaukee and UW-Madison campuses.

***In addition to his work on the Kenwood project, Jeff has led the mechanical engineering planning and design for the UW-Madison Chemistry Instructional Addition and Renovation Study, the UW-Madison Biochemistry Building II, the UW-Madison Wisconsin Institutes for Medical Research, and the UW-Madison Wisconsin Energy Institute.***



**Neil Gammon, LEED AP, Electrical Engineer (Affiliated Engineers)**

Neil leads AEI Madison's Electrical Engineering Department and is currently the lead electrical engineer on the UW-Milwaukee Kenwood Integrated Research Complex project. Due to his work on numerous DFD projects, Neil has built a solid and reliable reputation with the agency, as well as the UW-Milwaukee and UW-Madison campuses.

***In addition to his work on the Kenwood project, Neil led the electrical engineering planning and design for the UW-Madison Engineering Centers, UW-Madison Biotechnology Building, the UW-Madison Wisconsin Institutes for Medical Research, and the UW-Madison Wisconsin Energy Institute.***



**Steven Roloff, PE, LEED® AP – Structural Engineer (Arnold & O'Sheridan)**

Steven is Director of Structural Engineering at Arnold & O'Sheridan. He manages the client's project budget, schedule, and program, as well as managing internal budgets, project team assignments, and project communication and documentation.

**Steven's project experience includes the Redevelopment Plan and various project pre-designs at the UW-Milwaukee's Northwest Quadrant, and the UW-Madison Student Athlete Performance Center.**



**Gideon Berger – Lead Parking/Transit Planner (Fehr & Peers)**

Gideon has focused his professional practice at the nexus of transportation and land use. Through his experiences as a transit oriented development planner for Denver's Regional Transportation District, senior planner for the city of Denver, and adviser to the mayors of 16 major US cities at the Urban Land Institute, Gideon has helped communities and transit agencies address complex and politicized transportation and redevelopment challenges including commercial corridor redevelopment, transit corridor planning, implementing transit oriented development, designing complete streets, creating joint development opportunities, and adopting supportive policies, standards and guidelines.

**Gideon's project experience includes RTD transit access guidelines–Denver, CO, Downtown Denver Pedestrian Priority Zone report–Denver, CO, Transit oriented development implementation strategy–Phoenix, AZ, Denver Living Streets Initiative–Denver, CO**



**Molly Veldkamp – Lead Parking/Transit Planner (Fehr & Peers)**

Molly is transportation planner with specific expertise in street design for livable communities. She has worked on leading edge projects in California, Colorado, New Mexico, and Wyoming. She has experience with bicycle and pedestrian planning, citywide complete streets policy development, transit and station area planning, campus planning, transportation master plans, and corridor design guidelines. Molly is committed to creating effective and implementable plans that use creative public outreach to gather and incorporate community concerns and vision.

**Molly's project experience includes the University of Wisconsin Milwaukee Master Plan and Parking Study, the University of Wyoming Long Range Development Plan, and the Albuquerque Streetcar Feasibility Study.**



**Chris Hau (Quorum Architects)**

Chris has been involved in many aspects of architecture, including existing conditions documentation, space planning, project design, construction documents, and client contact. Because of his thorough understanding of the design process, Chris is able to create design solutions within strict budgets and schedule. His attention to detail assists in effectively and efficiently managing a variety of projects.

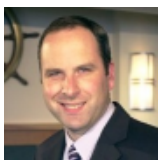
**Chris' recent project experience includes the UWM NWQ Children's Center Relocation, the UWM Northwest Quadrant Redevelopment Plan, the UWM EMS Fire Egress Upgrades, and the UWM Sandburg Hall Window Replacement for West and North Towers.**



**Mark Knapp, AIA (Quorum Architects)**

In his architectural career, Mark has performed Schematic Design, Architectural Design, Construction Detailing, Construction Administration and Project Management on a variety of projects including commercial buildings, municipal buildings, and interior renovation and historic adaptive reuse projects. He is especially well versed in the code implications of adaptive reuse and remodeling of existing buildings, ADA surveying, the preparation of construction documents and specifications, project bidding, site supervision and construction administration.

**Mark's recent project experience includes the UWM NWQ Children's Center Relocation, the UWM Northwest Quadrant Redevelopment Plan, the UWM EMS Fire Egress Upgrades, and the UWM Sandburg Hall Window Replacement for West and North Towers.**



**Eamon Ryan, CEP – Cost Estimator (The Concord Group)**

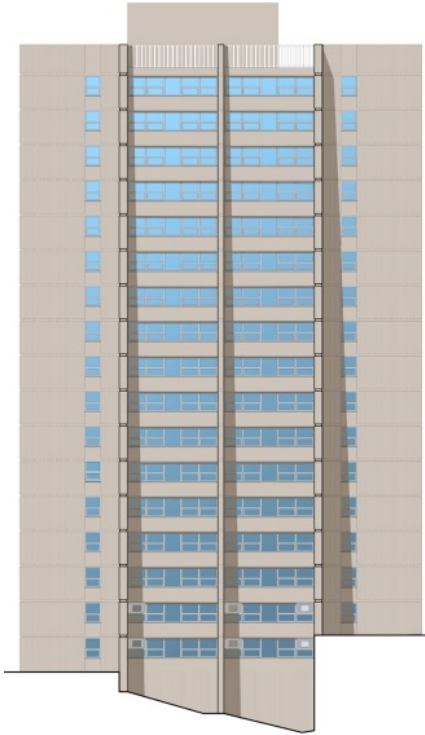
Eamon directs the Cost Management functions of The Concord Group. As well as managing, coordinating, and supervising all aspects of estimate production, he is directly involved in the preparation of a wide range of estimates. He meets regularly with clients to ensure their estimating service needs are being met. Eamon has experience at all levels of estimating, from conceptual to the final bid documents stage in the architectural, structural and civil disciplines.

**Eamon's project experience includes the Horizon Village Residence Hall at the University of Wisconsin Oshkosh, and the Student Athlete Performance Center at the University of Wisconsin-Madison.**

## RELEVANT PROJECT EXPERIENCE LIST

### Quorum Architects, Inc.

#### Architect of Record, Facility Condition Assessment



#### < University of Wisconsin Milwaukee

Milwaukee, WI

*A/E On-Call Services 2008-09*

The services Quorum Architects provided included assessment and future planning of existing buildings. They evaluated the existing conditions of the buildings or spaces and worked with a team of consultants to develop cost estimates for the project. The following are projects under this contract:

#### *Engineering and Math Sciences Building – Fire Egress Upgrades*

The project began with a review of the existing conditions, code compliance of the building and review of a building report provided by Department of Facility Development (DFD). Quorum Architects developed the design for upgrades by recommending improvements to the exits, fire stairs and elevators for the building. Security access was a high priority due to research labs occupying the building. Our team worked with UWM staff and a security consultant to resolve the issues of access to portions of the building.

#### *Sandburg Hall Window Replacement*

The existing fenestration and curtain wall systems of Sandburg Hall are original to the buildings' 1970 construction. The project included reviewing the existing windows of three towers, storefront, entrance, and curtain wall systems currently in place. Functionality, durability, thermal performance and energy efficiency expectations were discussed.



#### < Grant Application Assistance

Quorum Architects, Inc. assisted various schools of UW-Milwaukee in the preparation of federal grant applications requesting federal funding for the renovation of existing buildings and new construction of buildings on the campus. These services included developing an architectural program for the requested project, design of conceptual plans, elevations, and creation of a 3D model of the proposed design. The following is a list of these projects:

- *Integrative Bio-behavioral Research Complex (IBRC)*
- *Integrated Marine, Freshwater and Atmospheric Research Laboratory (IMFARL) -*
- *Renovation of Aquatic Holding Facilities*



#### < University of Wisconsin Milwaukee

Milwaukee, WI

*Northwest Quadrant Redevelopment Plan*

The former Columbia-St. Mary Hospital campus was purchased for the University of Wisconsin Milwaukee In 2010. Renamed the Northwest Quadrant (NWQ), the property is located immediately adjacent to the current Kenwood Campus. This property adds nearly 11 acres nearly 1 million gross square feet of building to the campus. Quorum Architects is leading a consultant team to create a Redevelopment Plan for the Northwest Quadrant campus to accommodate various campus needs.



## **Milwaukee Area Technical College (MATC)**

Milwaukee, WI

### *Annual Architectural Services Contract*

MATC identifies renovation/remodeling, expansion and improvement of their facilities under their fiscal year budgets. Their district includes the downtown Milwaukee facility and three regional campuses. Quorum Architects lead a full service team of professionals to create design solutions based on the project scope detailed by MATC. The following are descriptions of a few completed projects in which they have been involved:

#### *< Downtown Campus Faculty Innovation Center*

Renovation of the Business Office and Mail Room into a Faculty Innovation Center (FIC). The most unique feature in the new FIC is the CISCO Telepresence video conferencing environment.



#### *< Mequon Campus Science Lab Renovations*

Quorum provided renovation services for outdated science labs and prep rooms of the general chemistry/environmental health and life sciences disciplines. The design results in contemporary labs which incorporate new technology and equipment. Reconfigured space includes integrating lab equipment and furniture to accommodate Biology, Environmental Health, and Microbiology Labs and prep/storage rooms.



## **< University of Wisconsin - Milwaukee**

Milwaukee, WI

### *Northwest Quadrant Children's Center Relocation*

As part of the overall Northwest Quadrant Redevelopment Plan, the UWM Children's Center is one of the first renovations in the newly acquired campus. Quorum Architects is the lead architect to develop the Children's Center Relocation. The facility will contain classrooms and support spaces including indoor play areas, kitchen/laundry facilities, administrative offices, and a staff area. The renovated space will provide a facility for UWM which can be licensed and accredited for 294 children, ages 6 weeks –13 years. There will also be adjacent exterior play areas.

## VOA Associates



### < Eastern Illinois University

Charleston, Illinois

*Campus Master Plans 1999, 2002, 2010\**

Located in central Illinois, this 11,000-student institution initiated a master plan for its 300-acre campus. Ultimately, the plan will accommodate approximately 535,000 AGSF (33%) of new academic, student service, residential, and indoor recreation space. The 1999 Master Plan was updated in 2002 and again in 2010.



### < Kennedy-King College

Chicago, Illinois

*Campus Master Plan*

This entirely new college campus, completed in 2006, totals 470,000 square-feet of space and includes state-of-the-art classroom and lab space, a library, faculty and administration offices, a gymnasium and natatorium, and a child-care center among its facilities.



### < University of Colorado at Colorado Springs

Colorado Springs, CO

*Campus Master Plan\**

UCCS has a goal to ultimately expand from 7,000 students to 30,000. A mixed-use University Village includes a Technology Library, Performing Arts Center, Student Center, Retail, and Student Apartments served by underground parking. Athletic Facilities include a Multipurpose Arena, a Fieldhouse with a 200-meter indoor track, a Natatorium Complex, and outdoor competition venues.



### < Illinois State University

Normal, Illinois

*State Farm Hall of Business*

This project consists of an 118,000-square-foot signature classroom and faculty office center for the College of Business integrated into the historic arboretum campus quadrangle.

### University of Illinois at Chicago

Chicago, IL

*Advanced Chemical Technology Building\**

This 142,000 GSF new research facility will facilitate the interaction of Biology, Chemistry and Physics research. This facility will house laboratories for each discipline as well as office, conference, and other support components.



### < Kennedy-King College

Chicago, Illinois

#### *New Campus*

This entirely new college campus, completed in 2006, totals 470,000 square-feet of space and includes state-of-the-art classroom and lab space, a library, faculty and administration offices, a gymnasium and natatorium, and a child-care center among its facilities.



### < Roosevelt University

Chicago, Illinois

#### *Student Life, Academic and Residence Center*

The project is a 390,000 square-foot complex capped with a 512 bed student residence hall. The first 16 stories house the college of business; biology, chemistry, and physics labs; general academic classrooms; a student services center; a recreation center and a student union; as well as loading, circulation, back of house, and atrium spaces.



### < The Ohio State University

#### Columbus, Ohio

#### *Vernal Riffe Hall Bioscience/ Pharmacy Research Addition\**

To provide expanded research facilities for both the Colleges of Bioscience and Pharmacy which were housed in adjacent buildings, a nine-story, 120,000 SF addition was designed to connect the two existing buildings into one contiguous structure. Facilities include an Instrumentation Center and a Unit Library shared by the Colleges; research laboratories and related support spaces, offices and conference rooms.



### < North Park University

Chicago, Illinois

#### *Science and Community Life Building*

This facility consists of a series of classrooms and laboratories for biology, chemistry, physics, psychology, and general science.

\* Jeff Conroy individual experience



## Lab Programming



### < Duke University Medical Center & Health System

Raleigh, NC

#### *Research Campus Master Plan*

JCI was retained to frame a detailed 5-15 year development plan for the research campus, focused at the department and building level. The plan proposes a deliberate building by building modernization strategy that reinvigorates their existing research facility infrastructure primarily dedicated to basic sciences. Translational adjacencies to the adjacent medical campus and the existing University campus are clarified.

Project Size: 24 Buildings; 846,000 - 960,000 GSF



### < Emory University/Children's Healthcare of Atlanta

Atlanta, GA

#### *Robert W. Woodruff Health Science Center Master Plan & Research Facility Utilization Study*

JCI was retained to analyze research facility utilization. A number of simple strategies with minimal capital investment implications were identified. Among the proposed strategies were right-sizing the number of offices relative to laboratory space, increasing the ratio of lab support spaces to laboratory space, reducing the number of staff lounges and repurposing former lounges that were poorly utilized. An animal facility utilization program was coordinated.

Project Size: 8 Buildings; 1,700,000 GSF



### < Tulane University

New Orleans, LA

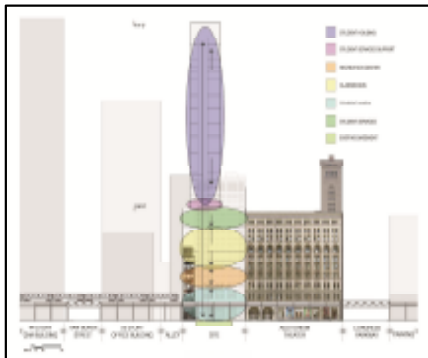
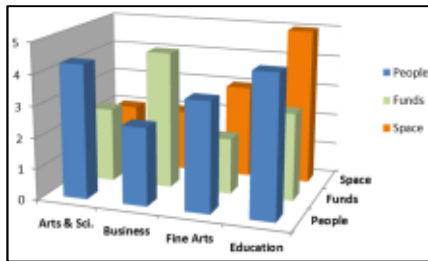
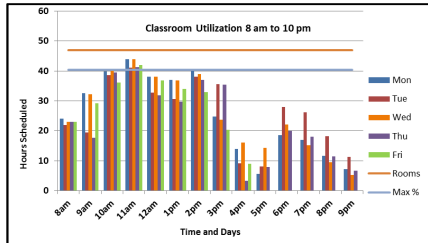
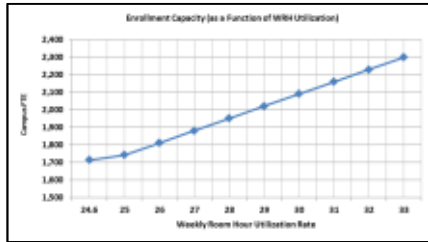
#### *Master Plan for the School of Medicine & Life Sciences*

Tulane sought concepts that offered clear opportunities to better support collaborative work between the health sciences campus and the biological and physical sciences on the main campus. The planning team addressed management's faculty and student recruiting and retention goals through a presentation of research peer space benchmarking data. A series of programmatic scenario planning models were developed to compare existing research headcount and space allocation incorporating benchmark targets.

Project Size: 5 Buildings; 500,000 GSF

# Comprehensive Facilities Planning (CFP)

## Academic Space Programming



### Northern Michigan University

Marquette, Michigan

#### Jamrich Hall/ New Academic Building Program and Comprehensive Classroom Utilization

CFP developed a program for an 116,000 GSF building to accommodate Sociology, Math and Computer Science, English, and Criminal Justice. Scope included a comprehensive classroom analysis to identify the appropriate number and size of classrooms for the new facility based on the current supply, enrollment goals, and changes in course offerings.

### The Ohio State University

Columbus, Ohio

#### Science Engineering Library Feasibility Study

Feasibility study for redesign of SEL to accommodate student learning and study spaces following the removal of the stacks.

#### New Psychology Building Program Study

Developed a program of requirements for 120,000 GSF new building to accommodate the teaching and research needs for the department of psychology undergraduate and graduate programs.

#### Biological Sciences Building Renovation Program Study

A program of requirements was developed for the renovation and addition of an existing building to accommodate the teaching and research needs for the Department of Biological Sciences.

### Ohio University

Athens, Ohio

#### Research Facilities Program Study

Determined the space required to accommodate the program needs for the life science and biological science departments.

### < Roosevelt University

Chicago, Illinois

#### Space Utilization and Assessment Study

#### New Academic/Student Life Program and Feasibility Study

Working with the VOA team, CFP created the space inventory database for the downtown campus; calculated future space needs; analyzed existing facilities to determine space deficiencies and surpluses; identified instructional and student life needs; provided analytical and objective criteria to evaluate program priorities; developed preliminary program and cost scenarios.

### < University Of Michigan

Ann Arbor, Michigan

#### College Of Engineering Space Use and Program Study

Conducted detailed space needs analysis for the College of Engineering with follow-up programming study to address high priority needs.

## Affiliated Engineers

### MEP / Utility Infrastructure Engineering



#### < University of Wisconsin-Milwaukee

Milwaukee, Wisconsin

##### *Kenwood Integrated Research Complex*

AEI provided mechanical and electrical design services and energy modeling for the first phase of a major redevelopment on the southwest quadrant of the campus. Approximately 93,000 square feet of total building area is being constructed, comprised of research labs/core facilities, instructional/ collaboration space, and office/support space.



#### < University of Wisconsin-Madison

Madison, Wisconsin

##### *Wisconsin Institutes for Discovery Building Study*

AEI was a member of a multidisciplinary team commissioned to develop a diagrammatic study for the proposed Wisconsin Institute for Discovery. The study included: consideration of linkages to existing and proposed buildings; consideration of phased construction of the project; engagement with UW administration and facilities staff to understand early and broad space programming for the building; and potential site utility needs.



#### < University of Wisconsin-Madison

Madison, Wisconsin

##### *Engineering Centers*

AEI was commissioned as part of an A-E team to lead the programming, planning, and design of the eventual 204,000 square foot, state-of-the-art teaching/learning environment. AEI team members participated in user group meetings, ranging from facilities and engineering staff to faculty and students. MEP planning considerations entailed exposing many of the building's systems and thus allowing them to become a part of the curriculum (versus just supporting the building).



#### < University of Wisconsin Madison

Madison, Wisconsin

##### *Biochemistry Building II*

With over 275,000 square feet, combining new construction, addition, and renovation in a constrained site, this project involved a number of space planning exercises to ensure the multiple varied height buildings were appropriately connected – mechanically, electrically, visually, and easily accessible.

#### University of Wisconsin- Madison

Madison, Wisconsin

##### *Chemistry Instructional Addition and Renovation Study*

To support the planning of 120,000 square feet of upgraded and enlarged undergraduate chemistry instructional facilities, AEI provided an MEP systems space needs assessment and feasibility study. The project included an assessment of the existing systems, preliminary calculations for utility loads, recommendations for utility routing, options for design criteria, and planning phase energy modeling.

## Parking and Transit Planning



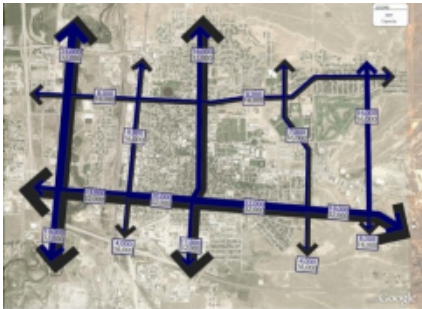
### < City of Auraria

Auraria, Colorado

#### *Campus Circulation Study*

Fehr & Peers was retained to provide an evaluation of the campus circulation network relative to the current Campus Master Plan. Building on the Master Plan's emphasis on the pedestrian environment, the work included multi-modal analysis of pedestrian, bicycle, transit and motor vehicle circulation.

Evaluation of new parking garage facilities was also essential to this study. Fehr & Peers developed trip generation rates for the future garage sites based upon local count data and evaluated circulation patterns in light of the proposed locations.



### < University of Wyoming

Laramie, Wyoming

#### *Long Range Development Plan – Transportation*

Fehr & Peers prepared the transportation element of the University of Wyoming's Long Range Development Plan (LRDP). Notable aspects of the study included analysis of a proposed street closure and enhanced pedestrian, bicycle, and transit connections throughout the campus. Big ideas explored in the transportation analysis included narrowing campus roadways to improve the pedestrian crossing environment, roadway closures to through traffic, redistributing parking to the periphery, and rethinking the transit circulation patterns that connect park and ride locations, athletics, residential, and academic cores.



### < University of Wisconsin Milwaukee

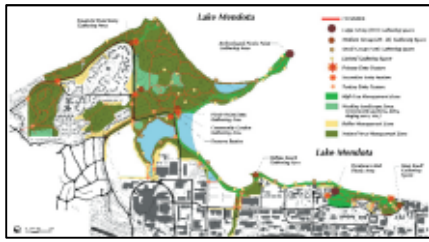
Milwaukee, Wisconsin

#### *Campus Master Plan - Transportation*

Fehr & Peers was retained by the University of Wisconsin Milwaukee to prepare the Transportation element of the campus Master Plan. The UWM is located in the urban Milwaukee area and has a severe shortage of parking. Travel demand management and parking demand management strategies were evaluated relative to satellite campus sites and the existing facilities. Shuttle and transit service plans were developed to provide alternative means of accessing the campus. Transportation access to various new remote sites was evaluated qualitatively to determine the feasibility of these new sites. As part of the work, a parking study was prepared for UWM that identified existing demand, future demand and financial options for the future Master Plan.

A detailed review of the University's parking operations was also completed to look at a short range steps that could help balance the operating budget. Parking fees, fines, and parking occupancy data were reviewed relative to the operating plan.

Landscape Planning



**< University of Wisconsin Madison**

Madison, Wisconsin

*UW-Madison Lakeshore Nature Preserve*

Ken Saiki Design has completed a master plan for the UW-Madison Lakeshore Nature Preserve which encompasses approximately 300 acres within the urban setting of the UW-Madison campus. The Preserve includes a complex matrix of forests, prairies, wetlands, and former savanna ecosystems, each having unique requirements for access, maintenance, and preservation/restoration. An extensive site analysis brought to light numerous issues and challenges that impact the health of the Preserve: the presence of invasive species, the impacts of off-site runoff on Preserve hydrology and user impacts in ecologically sensitive areas. The Master includes recommendations for site features along circulation routes, creation of a design vocabulary for signage and materials, and recommendations for trail types and standards.



**< University of Wisconsin Madison**

Madison, Wisconsin

*Microbial Sciences Building*

Ken Saiki Design provided site design and landscape architecture for the project. The new facility is located near the center of the historic School of Agriculture campus and provides a variety of site amenities including several small outdoor seating spaces, green roof presentation areas, integrated moped and bicycle parking, and building service access. The design highlights the University's commitment to sustainability by featuring several green roof presentation areas that are located above the building's lower level. The overall planting design focuses on native and adaptive species, thus reducing the use of water for irrigation and other maintenance resources. Ken Saiki Design developed an extensive and detailed protection and construction management approach that ensured the preservation and long-term health of a treasured 200 year old oak tree on the site.

**University of Wisconsin Madison**

Madison, Wisconsin

*Biotechnology Building Addition*

The 2002 Biotechnology Building project featured a 90,000 GSF addition to the Biotechnology Building. Ken Saiki Design provided site planning and landscape architecture for the project. The overall landscape character and development also complemented the formality of the adjacent Henry Mall open space.

Exterior improvements include an outdoor terrace with integrated bicycle parking, terraced planters which integrate informal seating opportunities along the active corridor, a mix of native and non-native plant material suited to specifically to the site's microclimate, and protection or restoration of adjacent streetscape improvements along University Avenue.