

*Drone footage of the Main Quad in winter.  
Image courtesy of UIS.*

# FOREWORD

Nearly 50 years ago, Illinois leaders broke ground for a new university on 740 acres of prairie on the edge of Springfield - with a vision to create an innovative higher education institution that would inspire and prepare future generations of public servants. Home to the Illinois state capital, Springfield was considered an “unparalleled setting for higher education,” and the founders envisioned an environment where “professional and vocational objectives may be pursued in a manner consistent with liberal learning.”

Now nearly fifty years later, that vision has been realized and over the past five decades the physical development of the University has been shaped by significant growth and progress. Today the University of Illinois Springfield, one of the three universities in the world class University of Illinois System, is the top-ranked public regional university in Illinois offering 31 bachelor’s degrees, 18 graduate degrees, and numerous professional certifications.

This Master Plan, in concert with the University’s Strategic Compass, establishes the framework that will guide the University in its future decisions and investments in the campus’ infrastructure and facilities. Critical to the future success and growth of the University, this plan will enable the University to:

- Cultivate a premier educational experience through the continued establishment of innovative, experiential and student-focused teaching and learning environments.
- Support a vibrant campus life and culture by strengthening high-impact practices that promote interactions and create a diverse, thriving and inclusive environment.
- Implement growth strategies to expand enrollment and realign academic units to increase interdisciplinary and cross-functional collaboration while maintaining an adaptable, responsible and sustainable infrastructure.
- Develop new and existing partnerships that will empower the University to foster collaboration, stimulate economic growth, increase public engagement, and enhance its visibility and reputation locally, regionally and globally.

Created with input from hundreds of university stakeholders, this Master Plan is a visionary roadmap with opportunities that support the University’s mission, vision and values. With this plan as our guide, UIS will be well positioned as a pathway to opportunity, a catalyst for change and a space of possibility where learners become ethical and passionate scholars, leaders and citizens capable of transforming their local and global communities.



Timothy L. Killeen  
President  
University of Illinois



Susan J. Koch  
Chancellor  
University of Illinois Springfield

## INTRODUCTION

The University of Illinois Springfield (UIS) is one of three universities in the University of Illinois System. Its mission is to provide a uniquely student-centered educational experience both in and out of the classroom through active learning, meaningful research and impactful civic engagement that prepares graduates to contribute fully to society.

Ranked by *U.S. News & World Report* in 2019 as the #1 *Regional Public University in the State of Illinois* and the #4 *Best Regional Public University in the Midwest*, UIS provides a pathway to opportunity, is a catalyst for change, and a space of possibility where learners become ethical and passionate scholars, leaders, and citizens capable of transforming their local and global communities.

## PURPOSE OF THE UIS 2020 MASTER PLAN

The fundamental purpose of the UIS 2020 Master Plan is to provide a framework that will guide the University's growth and establish priorities and guidelines for future development. Increasing enrollment, expanding University programs, and changes to government financial support will all impact campus facilities. To address these needs and align the future development of the campus with the University of Illinois Strategic Framework and the UIS Strategic Compass, the UIS 2020 Master Plan strategically positions and integrates academic, research, student affairs, auxiliary services, and athletics plans, programs, and facilities to achieve the goals and objectives as outlined.

## MASTER PLAN VISION

The UIS 2020 Master Plan honors the University's past and prepares it for what it can become in the future. It will guide investment decisions in enhancements to existing campus facilities, new construction, parking/road network, landscape and utilities that support a flexible, adaptable, responsible, and sustainable campus.



## UIS 2020 MASTER PLAN GOALS



### CULTIVATE A PREMIER EDUCATIONAL EXPERIENCE

- **Innovative**, experiential, teaching, and learning environments
- **Strategic** new facility and renovation initiatives
- **Establish** new Student Services One Stop



### SUPPORT A VIBRANT CAMPUS LIFE AND CULTURE

- **Strengthen** high-impact practices (formal and informal interactions)
- **Elevate** campus life experience
- **Create** an intuitive, welcoming campus experience



### IMPLEMENT GROWTH STRATEGIES

- **Expand** student enrollment growth opportunities
- **Re-align** academic units to enable collaboration among faculty, staff, and students
- **Recruit and retain** top talent
- **Create** adaptable, responsible, sustainable infrastructure to support future development



### FOSTER PARTNERSHIPS

- **Enhance** local, regional, and global partnerships
- **Increase** collaboration among partners
- **Strengthen** local and regional economic growth
- **Identify and capitalize** on new partnership opportunities

## CELEBRATING 50 YEARS

Celebrating its 50th year in 2020, the University of Illinois Springfield has grown exponentially since its humble beginnings in 1970. As the only four-year University in the state's capital, UIS is a regional leader in student-focused teaching and learning both on-campus and on-line. Guided by the four directional pillars of:

1. World-class Teaching
2. Personal Attention
3. Experience Engaged
4. Liberal Arts Skilled

UIS offers 31 bachelor degree programs, 20 master degree programs, and numerous graduate certificates with an enrollment of approximately 5,000 undergraduate and graduate students.



*A student receiving guidance in a science class.  
Photo courtesy of [www.uis.edu](http://www.uis.edu).*



*Performing arts students practicing their instruments.  
Photo courtesy of [www.uis.edu](http://www.uis.edu).*

## LOOKING FORWARD

The UIS 2020 Master Plan is a "road map" that will strategically guide the University's capital investment decisions to support its priorities of:

**GROWTH** in visibility, reputation and enrollment

**TALENT** - the recruitment and retention of highly-talented leadership, students, faculty and staff

**FACILITIES** - providing the facilities needed to provide a comprehensive, high-quality student, faculty, staff, and visitor living and learning experience.



***Celebrating 50 Years**  
For 50 years, the University of Illinois Springfield  
has provided a uniquely student-centered educational  
experience through  
active leaning, meaningful research and  
impactful civic engagement.*



# UIS History & Context

## HISTORY

UIS's main campus is situated on 740 acres, surrounded by farmland and prairie. It is located a short six miles southeast of downtown Springfield, adjacent to scenic Lake Springfield and bordered on the south by Lincoln Land Community College.

The campus began with six one-story buildings on the east side of campus. The first permanent construction was Brookens Library, which was completed in 1975.

The University has grown dramatically in the last 50 years and today is comprised of 1.2M gross square feet in 86 buildings. Off the main campus, UIS enjoys four academic and research facilities:

1. Therkildsen Field Station at Emiquon National Wildlife Refuge
2. UIS Field Station on Lake Springfield
3. Barber Observatory, near Pleasant Plains, IL
4. UIS Peoria, Peoria, IL



*Original six one-story buildings and Brookens Library under construction in the early 1970's.  
Photo courtesy of www.uis.edu*



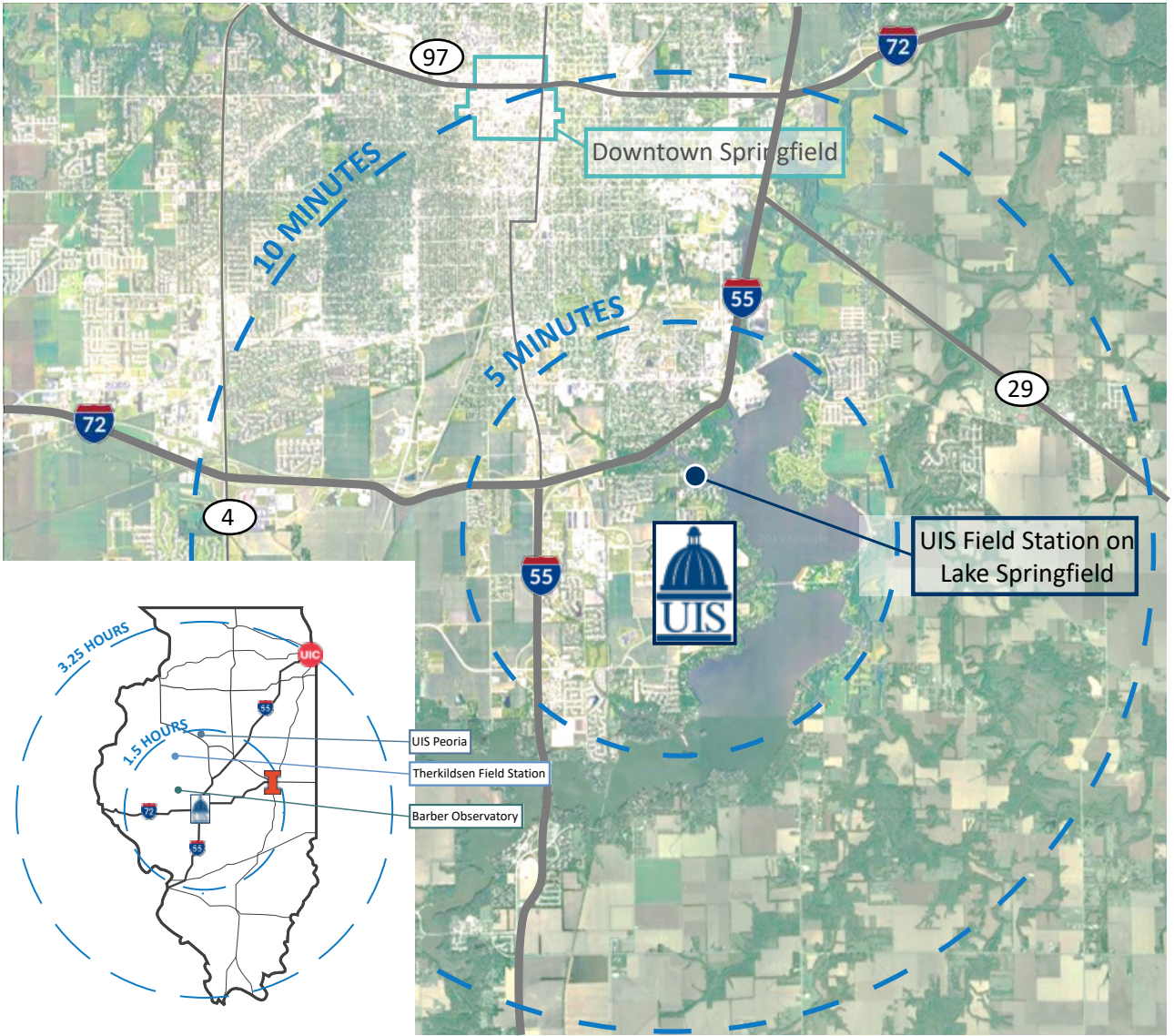
*Interim Campus with Brookens Library under construction in the background.  
Photo courtesy of www.uis.edu*



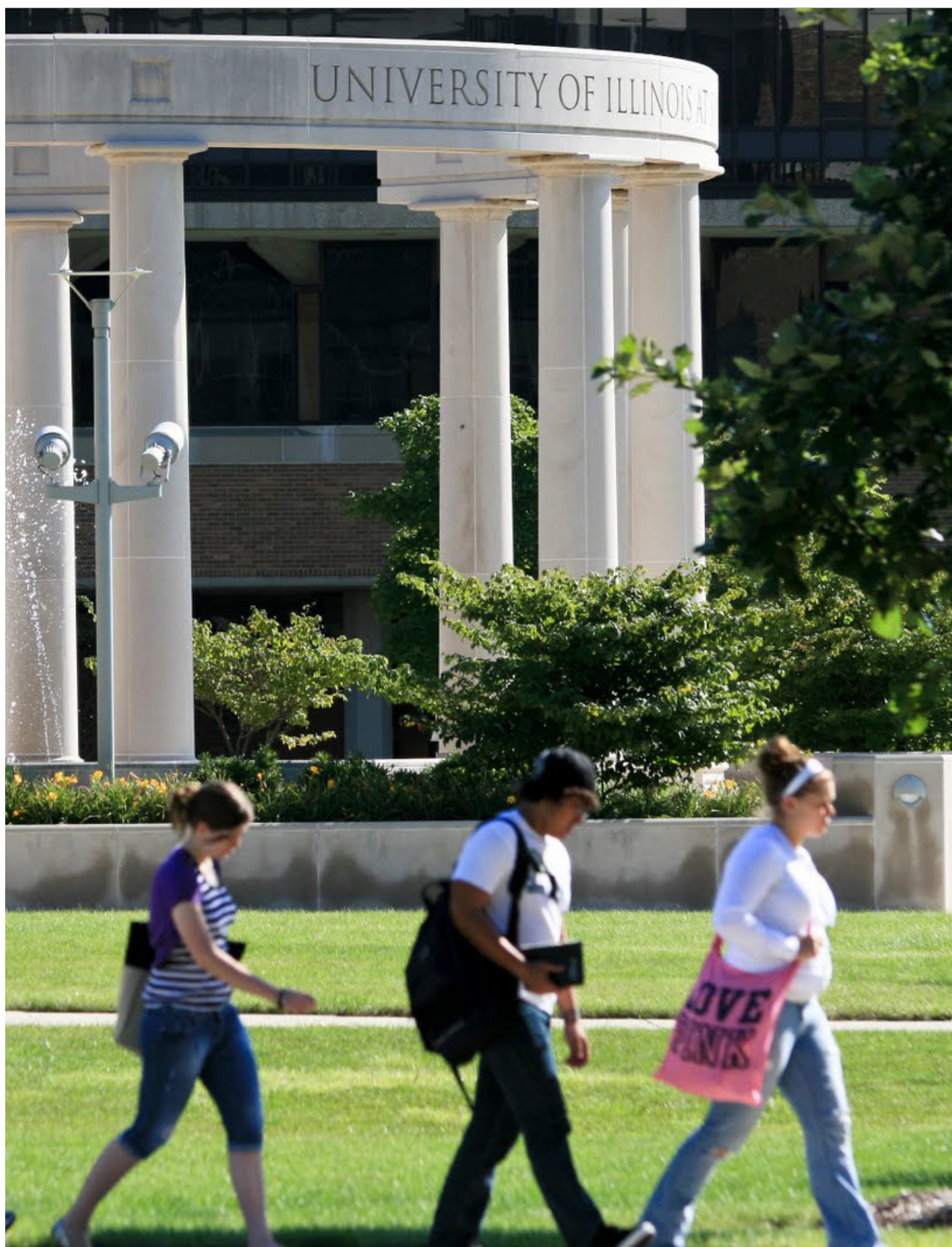
*The Library was originally located in Building F, now known as the Student Affairs Building.  
Photo courtesy of www.uis.edu*

1845	1920	1958	1970	1970	1970	1970	1971	1973	1973	1975	1979	1980	1981	1980	1985	1990	1991
Strawbridge-Shepherd House	Perry House	Cox House	Business Services Building	Student Affairs Building	Student Life Building	Visual & Performing Arts	Human Resources Building	Spencer House	WUIS Building	Norris L. Brookens Library	McClelland House	Public Affairs Center	Sangamon Auditorium	Sunflower & Clover Court	SLB Gymnasium	Bluebell Court	Barber Observatory

# CONTEXT



1992	Health Science Building
1992	Homer L. Butler Commons
1992	Larkspur Court
1999	Pennyroyal Court I
2001	Lincoln Residence Hall
2003	Foxglove Townhouses
2003	Marigold Townhouses
2003	Pennyroyal Court II
2004	University Hall
2004	Colonnade
2007	The Recreation & Athletic Center (TRAC)
2007	Trillium Court
2008	Therkildsen Field Station at Emiquon National Wildlife Refuge
2008	Founders Residence Hall
2017	Student Union
2018	Field Station on Lake Springfield



*Student walking through the Main Quad.  
Photo courtesy of [www.uis.edu](http://www.uis.edu).*

## POPULATION

The Fall 2018 enrollment snapshot was used as the base line for the analysis and growth projections. In the Fall of 2018, there were 3,287 full time equivalent (FTE) students enrolled on campus and on-line. Student head count totaled 4,575. The University employs 348 faculty.



# 3,287

*Full Time Equivalent*

## SPACE

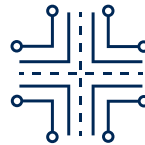
The University occupies 740 acres and 1.2M gross square feet in 86 buildings. Off the main campus, academic and research facilities include:

1. Therkildsen Field Station at Emiquon National Wildlife Refuge
2. UIS Field Station on Lake Springfield
3. Barber Observatory, near Pleasant Plains, IL
4. UIS Peoria, Peoria, IL



# 4,575

*Headcount*



# 1.2M GSF

*Space*

## ORGANIZATION

Surrounded by farmland and prairie restoration, the academic core is situated in buildings at the Main Quad and East Quad. Student Housing is located at the West Quad and southeast edge of campus, with Athletics and Campus Recreation to the south and west.



# 740

*Acres*



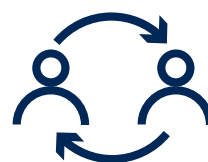
# 86

*Buildings*



# 348

*Number of Faculty*



# 761

*Number of Staff*





# UIS 2020 Master Plan





### Campus Buildings

- (AFH) Athletics Field House
- (BRK) Brookens Building
- (BSB) Business Services Building
- (BSC) Baseball/Softball Complex
- (BB) Business Building
- (CC) Child Development Center
- (CRW) Central Receiving & Warehouse
- (DBS) Dixie Barn & Shed
- (FAE) Future Academic Expansion
- (FSL) UIS Field Station on Lake Springfield
- (GTF) Golf Training Facility
- (HBC) Homer L. Butler Commons
- (HSB) Health & Sciences Building
- (HPC) Human Performance Center - addition to TRAC
- (ISB) Information Sciences Building
- (KIW) Soccer & Lacrosse additions (Kiwanis)
- (KIW) Resurface Kiwanis Stadium with synthetic turf
- (KPB) Kiwanis Press box & Bleachers
- (LLSSC) Library, Learning & Student Success Center
- (MAC) Multi-Activity Center - addition to TRAC
- (MB) Maintenance Building
- (MS) Maintenance Storage
- (NAT) Natatorium - addition to TRAC
- (PAC) Public Affairs Center
- (PSB) Public Service Building
- (REC) Recreation Park
- (RSL) Residential Simulation Lab
- (SAB) Student Affairs Building
- (SB) Storage Buildings
- (SLB) Student Life Building
- (SPH) Spencer House, Barn, & Garage
- (SSH) Strawbridge-Shepherd House, Barn, & Garage
- (TC) Tennis Complex
- (TRAC) The Recreation & Athletic Center
- (UHB) University Hall Building
- (UNION) Student Union
- UI Springfield Innovation Center
- (VPA) Visual & Performing Arts Building

### Student Housing

- (BBL) Bluebell Court
- (CLV) Clover Court
- (FRH) Founders Residence Hall
- (FSH) Future Student Housing
- (FXG) Foxglove Court
- (LKR) Larkspur Court
- (LRH) Lincoln Residence Hall
- (MGR) Marigold Court
- (PRL) Pennyroyal Court
- (SFL) Sunflower Court
- (TRL) Trillium Court

## UIS 2020 MASTER PLAN

### A Road Map for the Future

The UIS 2020 Master Plan provides a pathway of recommendations that focus on campus renewal and future development to meet immediate and long range needs with a focus on:

- Cultivating a Premier Educational Experience
- Supporting a Vibrant Campus Life and Culture
- Implementing Growth Strategies
- Fostering Partnerships, regionally, nationally and globally.

The plan is meant to be flexible and adaptable as UIS's needs change and evolve. The recommendations prioritize investment in existing facilities and campus infrastructure, identify sites for new facilities, and create a set of design guidelines that will inform decisions for future renovation and new construction.

## CULTIVATE, SUPPORT, IMPLEMENT, FOSTER

The University of Illinois Springfield campus is currently comprised of many original buildings, current utility systems, a vast and diverse landscape with an assortment of site features, an established multi-modal transportation network, and a variety of interior and exterior design styles.

While areas across campus are currently segregated by their differences, the UIS 2020 Master Plan will unify interior and exterior elements to create a more cohesive campus. Additionally, building systems, utilities, transportation networks, and sustainability efforts will be improved for current and projected needs leveraging systems and infrastructure that are already in place to create, not only a better experience for students on campus, but also for patrons visiting the campus.

Creating a larger presence in its existing footprint, particularly along 11th Street, the University will become a more prominent destination and asset to the Springfield community, Central Illinois, and beyond.

## TRIGGERS

UIS has identified the following strategic renovations, new capital construction projects, site improvements and on-going projects to be included in the Master Plan. These projects are important to the future of the University and support the Master Plan goals.

The initiatives and projects in this plan are dependent on various triggers. These triggers include, but are not limited to:

- New and/or evolving academic and research programs
- Enrollment
- Funding
- Prerequisite Projects



# UIS 2020 Master Plan Goals

## CULTIVATE A PREMIER EDUCATIONAL EXPERIENCE

- **Innovative**, experiential, teaching and learning environments
- **Strategic** new facility and renovation initiatives
- **Establish** new Student Services One Stop

Developing a robust academic setting is a top priority. A key goal of the UIS 2020 Master Plan is to meet current and future academic needs with greater flexibility and adaptability with a commitment to investing in existing facilities to right size and improve the overall quality of learning, research, and work environments while being good stewards of the University's capital resources.

### **INNOVATIVE, EXPERIENTIAL, TEACHING AND LEARNING ENVIRONMENTS**

Strategic renovations to modernize classrooms within University Hall Building (UHB), Health & Sciences Building (HSB), Visual and Performing Arts (VPA), Public Affairs Center (PAC) and the Student Life Building (SLB) will greatly improve UIS's ability to improve classroom utilization and support its desire to create more flexible, adaptable, technology rich learning environments. Some of the new prominent innovative, experiential, teaching and learning labs include:

- Visualization Lab
- Sales/Trading Lab
- Exercise Science & Athletic Training
- Imaginarium & Maker Space
- Geographic Information Systems (GIS) Labs
- Management Information Systems (MIS) Labs
- Computer Science Labs
- Cyber & Homeland Security
- Digital Humanities Lab
- Social Media Lab

### **STRATEGIC NEW FACILITY AND RENOVATION INITIATIVES**

The UIS 2020 Master Plan illustrates and prioritizes renovation initiatives to these important facilities. By right-sizing these learning spaces, space will be available to develop much desired interdisciplinary, teaching, learning research spaces that support the University's mission to be a world-class teaching and learning institution.

### **ESTABLISH NEW STUDENT SERVICES ONE STOP**

Furthermore, the inclusion of a Student Services One Stop in UHB will provide the services students need throughout the various stages of their educational experience in one easy-to-navigate location.

## SUPPORT A VIBRANT CAMPUS LIFE AND CULTURE

- **Strengthen** high-impact practices (formal and informal interactions)
- **Elevate** campus life experience
- **Create** an intuitive, welcoming campus experience

The plan provides facilities and resources that foster, grow and align student affairs activities, volunteer and service-learning opportunities.

The UIS 2020 Master Plan recognizes the need to create an intuitive and, welcoming arrival experience. Recommendations prioritize improvements to the transit network, campus roads, bike paths, pedestrian pathways, and signage.

### **STRENGTHEN HI-IMPACT PRACTICES (FORMAL AND INFORMAL INTERACTIONS)**

The Master Plan will further beautify the campus landscape to enhance and create safe pedestrian pathways, bike paths, and walking trails. To this end, a multi-use pedestrian corridor is planned at the West Quad. This new pedestrian corridor, with restricted vehicular access, will be uniquely landscaped, provide space for casual informational gatherings, and provide a more comprehensive connection to the Main Quad.

### **ELEVATE CAMPUS LIFE EXPERIENCE**

The UIS 2020 Master Plan will improve the overall campus life and culture through important strategic renovations and new construction that will:

- establish a Student Affairs and Wellness Center.
- support Athletics and Campus Recreation.
- enhance the East Quad.

### **CREATE AN INTUITIVE, WELCOMING CAMPUS EXPERIENCE**

Several primary gateway landmark structures will define key entrances to the campus along the 11th street corridor including Ernest Hemingway to the North and Toronto Road to the South. A series of secondary gateway features are placed at key locations along the ring road to guide visitors.

## IMPLEMENT GROWTH STRATEGIES

- **Expand** student enrollment growth opportunities
- **Re-align** academic units to enable collaboration among faculty, students, and staff
- **Recruit and retain** top talent
- **Create** adaptable, responsible, sustainable infrastructure to support future development

### EXPAND STUDENT ENROLLMENT GROWTH OPPORTUNITIES

UIS recognizes that enrollment growth can be achieved by several factors. Whether by expansion of the current academic programs, addition of new academic programs, or the expansion and growth of its athletic program, each has a different growth timeline and facility needs. The UIS 2020 Master Plan identifies key renovation projects, as well as, new facility opportunities that respond accordingly to academic growth. The UIS 2020 Master Plan recognizes the new facilities identified in the 2015 Athletics Master Plan and weaves in these priorities as the campus plans for future development on the south side of campus.

### RE-ALIGN ACADEMIC UNITS TO ENABLE COLLABORATION AMONG FACULTY, STAFF, AND STUDENTS

Several strategic renovation initiatives seek to improve departmental adjacencies, increase visibility and access that will enable collaboration among faculty, staff and students. The UIS 2020 Master Plan includes renovations to the Brookens Building to improve Online, Professional and Engaged Learning (OPEL) including the Center for Online Learning Research Services (COLRS), Faculty Development Resource Office (FDRO), Continuing and Professional Education (CAPE), Office of Business and Financial Services (OBFS), and Human Resource work environments. These strategic moves greatly improve the department requirements, and open up valuable real estate for new space needs, as well as, financially responsible building removal.

### RECRUIT TOP TALENT

The UIS 2020 Master Plan focuses on providing academic environments that support an innovative teaching, learning and research culture. By investing capital resources in new interdisciplinary teaching and learning labs (e.g. UI Springfield Innovation Center), investing in existing facilities (e.g. University Hall Building, Health & Sciences Building, Student Life Building), and investing in new facilities (e.g. Library, Learning and Student Success Center, Information Sciences Building,

Human Performance Center and Business Building), the University can position itself as a leader in world-class teaching and learning that will enable them to attract and retain top faculty and staff, along with high achieving students.

### CREATE ADAPTABLE, RESPONSIBLE, SUSTAINABLE INFRASTRUCTURE TO SUPPORT FUTURE DEVELOPMENT

As part of the UIS 2020 Master Plan a set of Design Guidelines have been developed. This set of guidelines provides a valuable framework that will inform architectural and engineering decisions for all future renovation and new construction projects. These guidelines support the University's goal to create an adaptable, responsible, sustainable infrastructure while reducing long term operation and maintenance costs.

## FOSTER PARTNERSHIPS

- **Enhance** local, regional, and global partnerships & increase collaboration among partners
- **Strengthen** local and regional economic growth
- **Identify and capitalize** on new partnership opportunities

### ENHANCE LOCAL, REGIONAL, AND GLOBAL PARTNERSHIPS & INCREASE COLLABORATION AMONG PARTNERS

Increasing connections with local, regional and global communities will allow UIS to capitalize on the collaboration and synergies that result from strategic partnerships among stakeholders, as well as facilitate networks and partnerships with universities throughout the state and around the world.

### STRENGTHEN LOCAL AND REGIONAL ECONOMIC GROWTH

By developing facilities that support public functions and programs, drawing interest to the campus and expanding the University's engagement with, and service to, the community will position UIS as the premier regional intellectual, cultural and entertainment resource.

### IDENTIFY AND CAPITALIZE ON NEW PARTNERSHIP OPPORTUNITIES

Educational, instructional, and internship opportunities can be developed in partnership with the medical community, state government and other sectors that are economic drivers in the region.





**EXTERIOR – IMPROVEMENTS**

- 1 Enhance University Gateways
- 2 West Quad development
- 3 East Quad development
- 4 Land reserved for future solar energy farm
- 5 Construct recreation & athletics practice fields
- 6 Richard Wright Drive, Carl Sandburg Lane & Parking Lot F realignment
- 7 William Maxwell Lane realignment

**STRATEGIC RENOVATIONS**

**8 University Hall Building (UHB)**

1st Floor

- Construct Student Services One Stop

2nd Floor

- Modernize classrooms
- Construct GIS Lab

3rd Floor

- Construct Social & Mixed Media Labs
- Relocate Math Department

4th Floor

- Construct Sales & Trading Labs

**9 Public Affairs Center (PAC)**

1st Floor

- Construct Art Gallery
- Establish Center for Lincoln Studies
- Construct Sangamon Experience
- Modernize conference rooms

2nd Floor

- Renovate Sangamon Auditorium Lobby
- Replace Sangamon Auditorium Seats

3rd Floor

- Renovate for College of Education & Human Services

**10 Brookens Building (BRK)**

1st Floor

- Renovate Brookens Auditorium (concert hall)
- Relocate & renovate Archives Technical Services & Library Systems, Construct Digital Humanities Lab

2nd Floor

- Construct Student Affairs & Wellness Center

3rd Floor

- Expand Center for Lincoln Studies
- Relocate Online Professional & Engaged Learning (OPEL)
  - Relocate Faculty Development Resource Office (FDRO)
  - Renovate Continuing & Professional Education (CAPE)
  - Modernize Center for Online Learning, Research Services (COLRS)
- Modernize classrooms

4th Floor

- Relocate Human Resources, Ethics & Office of Business & Financial Services (OBFS)

**STRATEGIC RENOVATIONS (CONT.)**

**11 Health & Sciences Building (HSB)**

- Modernize teaching & research labs
- Construct student collaboration space (1st & 2nd floors)

**12 Visual & Performing Arts Building (VPA)**

- Repair building façade/envelope
- Modernize classrooms, practice rooms & studios

**13 Student Life Building (SLB)**

- Repair building façade/envelope
- Modernize classrooms

**14 Business Services Building (BSB)**

- Repair building façade/envelope
- Relocate WUIS Radio Station

**15 Student Affairs Building (SAB)**

- Repair building façade/envelope

**16 Spencer House (SPH)**

- Construct Center for Experiential & Problem Based Learning

**17 UIS Field Station on Lake Springfield (FSL)**

- Construct Phase 2 Science Lab

**18 Clover Court 100 & 200 Apartments Renovation (CLV)**

**19 Sunflower Court Apartments Renovation (SFL)**

**NEW CAPITAL CONSTRUCTION PROJECTS**

**20 Public Safety Building (PSB)**

**21 Library, Learning & Student Success Center (LLSSC)**

**22 UI Springfield Innovation Center**

**23 Child Development Center (CC)**

**24 Information Sciences Building (ISB)**

**25 Human Performance Center (HPC) - addition to TRAC**

**26 Business Building (BB)**

**27 Future Student Housing (FSH)**

**28 Multi-Activity Center Gym (MAC) - addition to TRAC**

**29 Natatorium (NAT) - addition to TRAC**

**30 Athletics Field House (AFH) (exploring two sites)**

**31 Resurface Kiwanis Stadium with synthetic turf (KIW)**

**32 Soccer & Lacrosse additions (Kiwanis) (KIW)**

**33 Kiwanis Press box & Bleachers (KPB)**

**34 Golf Training Facility (GTF)**

**35 Baseball/Softball Complex (BSC)**

**36 Tennis Complex (TC)**

**37 Land reserved for Commercial Development**

**38 Land reserved for Research Park**

**39 Future Academic Expansion (FAE)**

**40 Central Receiving & Warehouse (CRW)**

**41 Maintenance Storage (MS)**

**DEMOLITION**

**42 Cox Children's Center (CCC)**

**43 Police Department Building (PDB)**

**44 Human Resources Building (HRB)**

**45 WUIS Building (WUIS)**

**46 1/3 of Parking Lot B**



# Cultivate a Premier Educational Experience





**FOR THE UNIVERSITY OF ILLINOIS SPRINGFIELD TO REMAIN COMPETITIVE, IT MUST BE INNOVATIVE IN ESTABLISHING EXPERIENTIAL LEARNING AND TEACHING ENVIRONMENTS WHILE REMAINING STRATEGIC IN NEW FACILITY AND RENOVATION INITIATIVES.**

### STRATEGIC RENOVATIONS

UIS is committed to investing capital funds into several projects that allow for program realignment at several Main campus and East Campus Buildings

Key projects include:

#### 8 University Hall Building (UHB)

##### 1st Floor

- Construct Student Services One Stop

##### 2nd Floor

- Modernize classrooms
- Construct GIS Lab

##### 3rd Floor

- Construct Social & Mixed Media Labs
- Relocate Math Department

##### 4th Floor

- Construct Sales & Trading Labs

#### 9 Public Affairs Center (PAC)

##### 1st Floor

- Establish Center for Lincoln Studies

##### 3rd Floor

- Renovate for College of Education & Human Services

#### 11 Health & Sciences Building (HSB)

- Modernize teaching & research labs
- Construct student collaboration space (1st & 2nd floors)

#### 12 Visual & Performing Arts Building (VPA)

- Modernize classrooms, practice rooms & studios

#### 13 Student Life Building (SLB)

- Modernize classrooms

#### 16 Spencer House (SPH)

- Construct Center for Experiential & Problem Based Learning

### NEW CAPITAL CONSTRUCTION PROJECTS

The following projects have been funded, have dollars appropriated and/or have been identified as priority projects on the University's State Capital Project request, and supports teaching, learning, and entrepreneurship:

- 21 Library Learning and Student Success Center (LLSSC) - 63,500 SF
- 24 Information Sciences Building (ISB) - 57,600 SF
- 25 Human Performance Center (HPC) - addition to TRAC - 30,000 SF
- 26 Business Building (BB) - 50,000 SF
- 39 Future Academic Expansion (FAE) - 50,000 SF





# Cultivate a Premier Educational Experience

## LIBRARY LEARNING & STUDENT SUCCESS CENTER 21



*View from the Student Union.*

The Library Learning and Student Success Center (LLSSC) funding was appropriated in Public Act 101-0029. This new strategic facility frames the main quad. The design and construction goal will be to achieve LEED Gold Certification. It includes shared space that enables and fosters collaboration.

The LLSSC will house:

- Library Services & Collections
- Center for Academic Success (CAS)
  - The Learning Hub
  - Office of Advising Services, Information & Support (OASIS)
  - Graduate Public Service Internships
  - Experiential & Service Learning Program
  - Testing Services
  - Tutoring Center
  - Writing Lab
  - Math Lab
  - Offices
- Career Development Center
- Experiential teaching and learning labs
- Imaginaseum & Maker Space
- Information Technology Services (ITS Client Services)

### **FAST FACTS:**

- 63,500 GSF
- Multi-story

## INFORMATION SCIENCES BUILDING 24



*View from the Student Union.*

The Information Sciences Building (ISB) is UIS's #1 priority on the State's Capital Budget Request. It will support academics in the science, technology, and math related fields, which encompass the largest enrolled programs at the University.

This new facility will house:

- Computer Science
- Math
- Graphic Information Systems (GIS)
- Management Information Systems (MIS)

It will include many state of the art research and specialized interdisciplinary teaching and learning labs:

- Computer Science Teaching Labs
- Computer Science Research Lab
- Management Information Systems (MIS) Teaching Lab
- MIS Research Lab
- Maker Space
- Cyber and Homeland Security
- Geographic Information Systems (GIS) teaching and research labs
- CISCO Labs
- Robotics Lab
- Data Analytics
- Cyber Security Management
- Visualization Lab
- Artificial Intelligence Lab
- Shared Classrooms
- Collaboration/Conference Rooms

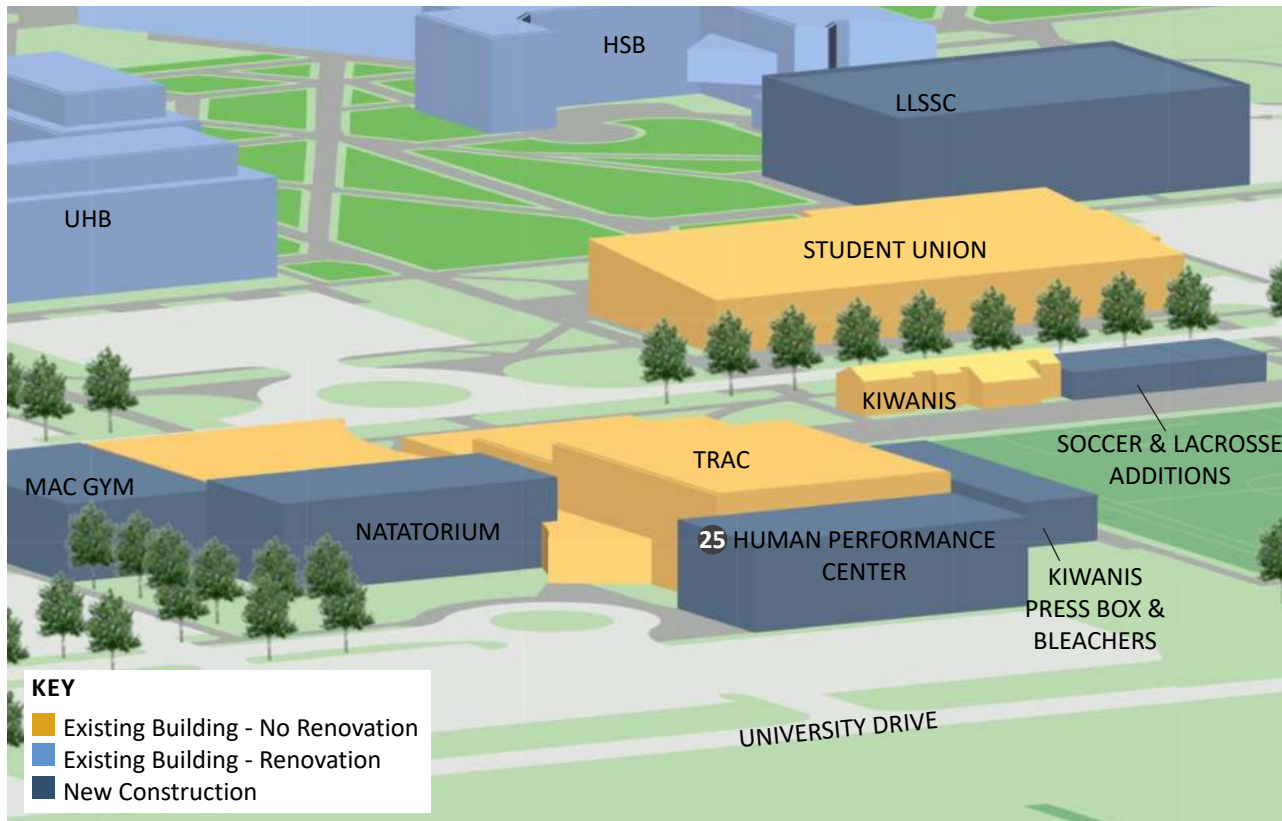
### **FAST FACTS:**

- 57,600 GSF
- Multi-story



# Cultivate a Premier Educational Experience

## HUMAN PERFORMANCE CENTER 25



The Human Performance Center (HPC) is UIS's #2 priority on the State's Capital Budget Request. It consists of an addition to TRAC that will house the specialized experiential labs of the Allied Health Programs.

HPC will house the following academic programs and student support functions:

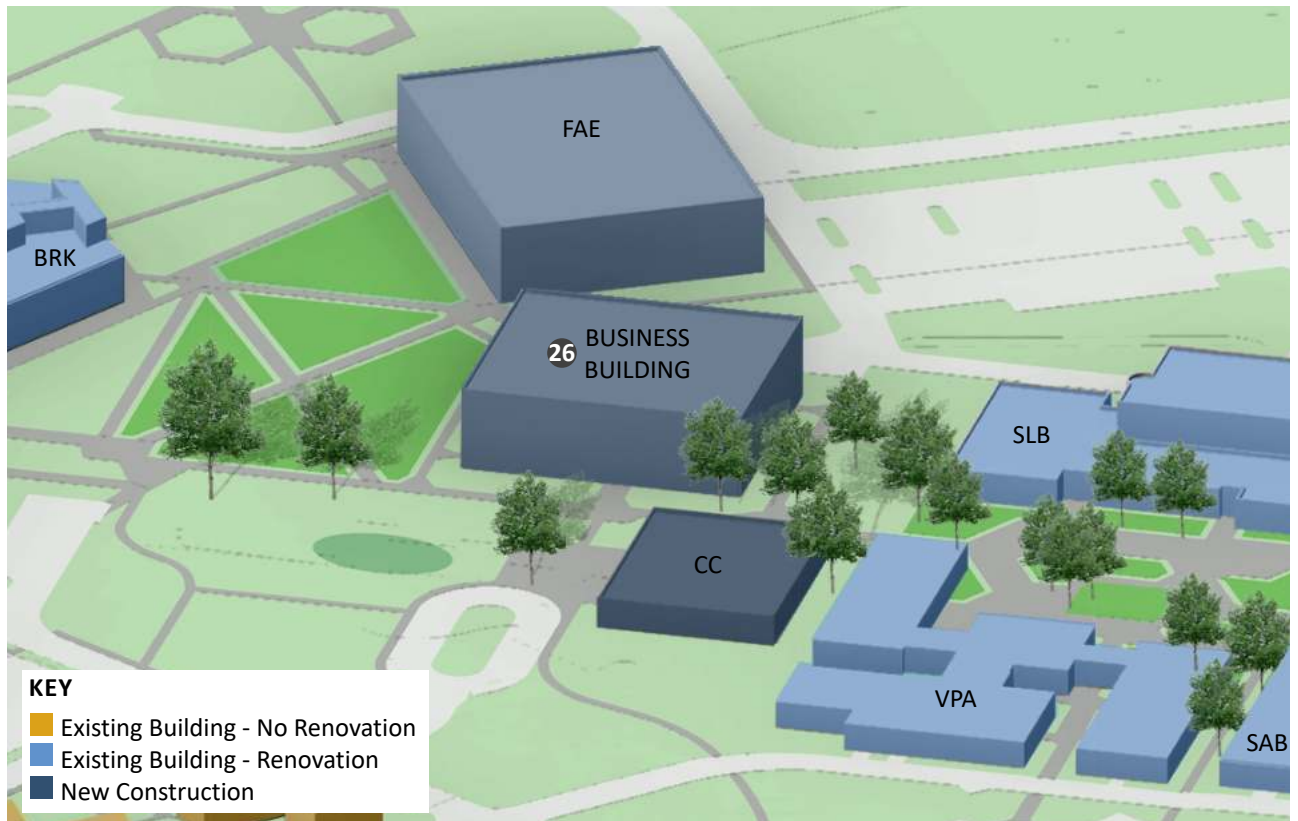
- Allied Health programs to include
  - Exercise Science
  - Athletic Training
  - Sports Biomechanics Lab
  - Physiology & Psychophysiology Performance Labs
  - Imaging Labs
  - Neuromuscular Labs
  - Anthropometry Labs
  - Recovery & Rehabilitation Labs
  - Kinesiology Labs
  - Physical Diagnostic & Therapy Labs

### FAST FACTS:

- 30,000 GSF
- Multi-story

The facility will contain multiple flexible multi-use state of the art classrooms, faculty and staff offices, student study and collaboration spaces and teaming rooms. This facility will also provide the required storage, showers and locker room space needed to support student programs and functions.

## BUSINESS BUILDING 26



The Business Building (BB) is UIS's #3 priority on the State's Capital Budget Request and will house the following departments and degree programs:

- Accountancy
- Business Administration
- Master of Business Administration
- Economics
- Management
- The Center for Business and Regulation
- The Illinois Center for Entrepreneurship

It will also house the following classrooms, labs, and support spaces:

- Investments/Trading Lab
- Econometrics Simulation Lab
- Business Modeling Lab
- Case Study Competitions Lab
- Product Design and Prototyping Lab
- Marketing Simulation Lab
- Management/HR Observation Areas
- Management/HR Simulation Lab
- Focus Group Observation areas

- Computer Aided Development and Project Management modeling/prototyping and simulation lab
- Social Media Modeling
- Analysis and Evaluation Lab
- Informatics/Analytics Modeling Lab
- Sports Management Event Simulation Lab
- Emerging Solutions Lab
- Informal meeting spaces for students and faculty
- Classrooms and computer labs
- Lecture/Student Presentation Recording Studio
- 250 seat lecture hall
- Faculty and administrative offices
- Conference and breakout rooms

### FAST FACTS:

- 50,000 GSF
- Multi-story



# Support a Vibrant Campus Life & Culture



**THE UIS 2020 MASTER PLAN FOCUSES ON STRENGTHENING HIGH-IMPACT PRACTICES TO PROMOTE INTERACTIONS THAT WILL ELEVATE CAMPUS LIFE AND CREATE INTUITIVE AND WELCOMING CAMPUS EXPERIENCES.**

The plan provides facilities and resources that foster, grow, and align professional programs, public affairs activities, volunteer and service-learning opportunities, community and alumni partnerships, and innovate on-campus and on-line education programs that will strengthen opportunities for students and community to connect in and beyond the academic sphere. The natural beauty of the campus can be emphasized and built upon through sustainable, innovative, and intellectually engaging landscapes, gardens, and art.

To prepare for potential enrollment growth, the UIS 2020 Master Plan considers locations for new Student Housing. A new residential hall is sited south of Founders and Lincoln Residence Halls along with residential units sited south of Carl Sandburg Lane. Housing capacity is factored on Full-Time Equivalent (FTE) Enrollment. Based on Fall 2018 FTE (3,287), 10% enrollment growth is the threshold where demand starts to outweigh capacity. Based on a 2% per year growth projection, it is anticipated that 50+/- additional beds will be needed by 2027.

**Note:**

Existing Cox Children's Center to be demolished upon completion of new Child Development Center.

**KEY**

- # Project Number
- Existing Building - No Renovation
- Existing Building - Renovation
- New Construction
- Land reserved for Commercial Development
- Land reserved for Commercial Development (UI Foundation)
- Land reserved for Research Park
- Land reserved for Future Solar Energy Farm
- Primary Gateway
- Secondary Gateway
- Green Space
- Recreation/Athletic Fields
- Quad
- Farmland
- Road to Gateways



**EXTERIOR – IMPROVEMENTS**

- 1 Enhance University Gateways
- 2 West Quad development
- 3 East Quad development

**STRATEGIC RENOVATIONS**

**9 Public Affairs Center (PAC)**

**1st Floor**

- Relocate Art Gallery
- Construct Sangamon Experience

**2nd Floor**

- Renovate Sangamon Auditorium Lobby
- Replace Sangamon Auditorium Seats

**10 Brookens Building (BRK)**

**2nd Floor**

- Construct Student Affairs & Wellness Center
  - Inter-Cultural Center
    - Diversity Center
    - International Student Services - student event programming
    - Gender & Sexuality Student Services
    - Women's Center
  - Campus Health Services
    - Counseling Center
    - Medical Clinic
    - Office of Disability Services
  - The Journal (student newspaper)
  - Mother's Room
  - Podcast technology studio
  - Blog/technology studio
  - Multi-purpose room
  - Prayer room
  - Veterans' room

**12 Visual & Performing Arts Building (VPA)**

- Repair building façade/envelope

**13 Student Life Building (SLB)**

- Repair building façade/envelope

**14 Business Services Building (BSB)**

- Repair building façade/envelope
- Relocate WUIS Radio Station

**15 Student Affairs Building (SAB)**

- Repair building facade/envelope

**18 Clover Court 100 & 200 Apartments**

- Repair building façade/envelope
- Renovate interior

**19 Sunflower Court Apartments**

- Repair building façade/envelope
- Renovate interior

**NEW CAPITAL CONSTRUCTION PROJECTS**

- 20 Public Safety Building (PSB)
- 23 Child Development Center (CC)
- 27 Future Student Housing (FSH)
- 28 Multi-Activity Center Gym (MAC) - addition to TRAC
- 29 Natatorium (NAT) - addition to TRAC



## Support a Vibrant Campus Life & Culture

### PUBLIC SAFETY BUILDING 20



The Public Safety Building (PSB) is home to the Campus Police Department. This project was reappropriated in the State's Fiscal Year 2020 budget. It is 100% designed and ready to bid pending release of funds from the State of Illinois.

#### FAST FACTS:

- 10,045 GSF
- 1 Floor

The Public Safety Building (PSB) is a one story structure with a footprint of approximately 10,045 gross square feet (GSF). The facility will be a LEED Certified Silver project located at the northwest corner of University Drive and Eliza Farnham Drive. Spaces include a secure vestibule, dispatch command and control center, briefing/training room, evidence storage, records storage, interview rooms, locker rooms, administrative offices, holding area, a two car sally port and storage.

## CHILD DEVELOPMENT CENTER 23



UIS, along with University leadership, is developing the finance model for a new Child Development Center (CC). This new auxiliary facility will allow for 20% growth and will serve approximately 115 children including after school programs and summer break offerings. It will greatly improve services to university faculty, staff and student families. The existing Cox Children's Center is a leading and highly decorated child care provider in the state of Illinois. It is licensed through the State of Illinois and accredited through the National Association for the Education of Young Children. The center is a site for practicum experiences for university students seeking scholar-practitioner experience in the field of social work, community health, and education. The design and construction goal will be to achieve LEED Silver Certification.

The Child Development Center would house:

- Classrooms
- Observation areas inside and outside
- Infant care specialized areas
- Multi-use learning/exploring space with interactive technologies
- Entrance lobby with reception desk,
- Administrative office spaces
- Staff break room
- Full function kitchen with toy disinfectant station
- Separate pantry
- Basement for safety and weather related threats
- Supply storage locations for indoor and outdoor toys and learning materials
- Site work
- Expanded parking
- Enlarged outdoor play areas with stationary and mobile play yard equipment
- All areas will be monitored and require secure access controls.

### FAST FACTS:

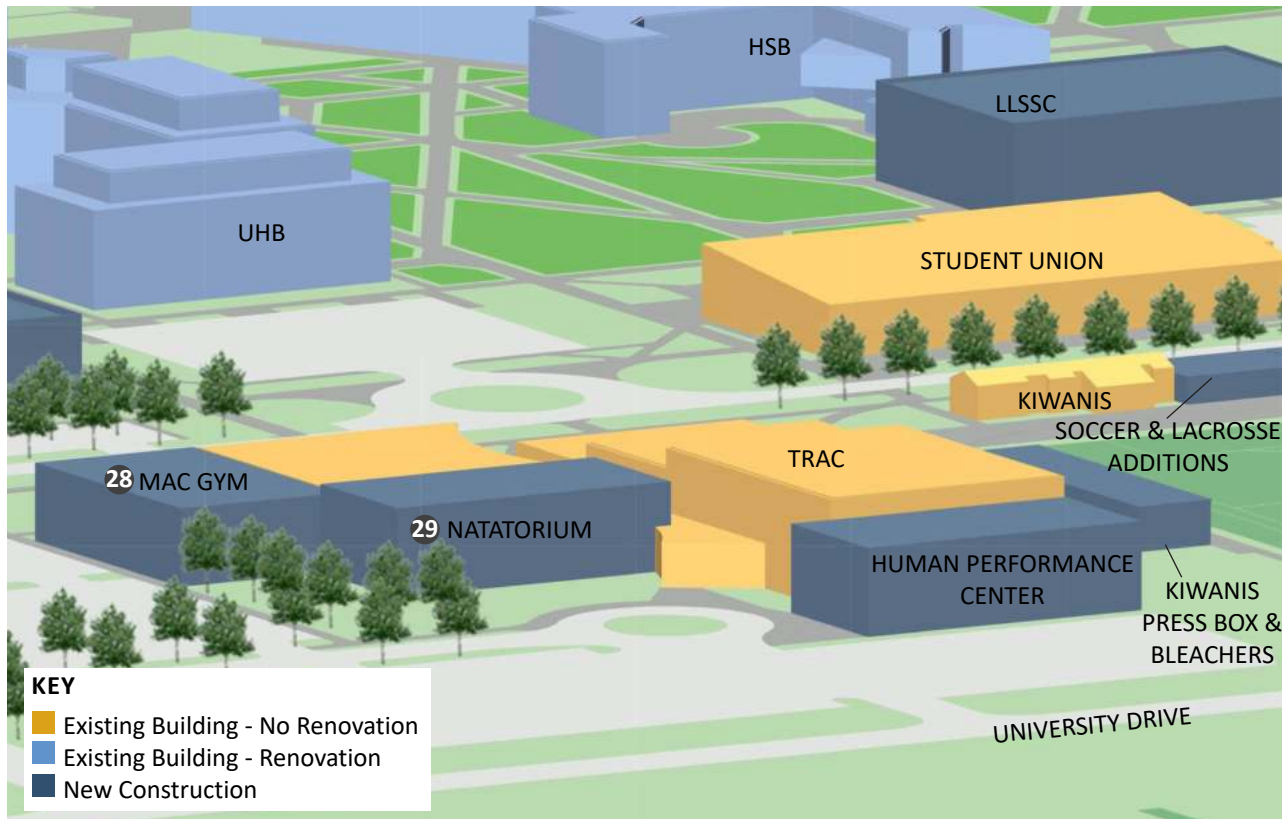
- 14,900 GSF
- 1 Floor





# Support a Vibrant Campus Life & Culture

## MULTI-ACTIVITY CENTER GYM <sup>28</sup> & NATATORIUM <sup>29</sup>



The Multi-Activity Center Gym (MAC) is an addition to TRAC. It is a shared multipurpose facility to support student indoor recreation, as well as serve as a host site for a variety of community events.

This multi-purpose facility will support a multitude of student indoor recreation including:

- Indoor cricket
- Basketball
- Badminton
- Volleyball
- Pickleball
- Tennis
- Indoor soccer with goals built into the walls
- Spectator seating for 150
- Storage

### MAC GYM FAST FACTS:

- 25,000 GSF
- 1 Floor

The Natatorium (NAT) supports campus recreation and the community at large. It is planned as a 20,000 GSF addition to TRAC. This type of facility enhances campus life and culture by providing recreational swimming and diving activities for all faculty, staff, and students. It is a valuable community resource that allows the University to foster partnerships, bringing visitors to campus for recreational and competitive swimming and diving activities which would support campus outreach programs.

### NATATORIUM FAST FACTS:

- 20,000 GSF
- 1 Floor

## CLOVER COURT APARTMENTS (100 & 200 BUILDINGS) 18

### SUNFLOWER COURT APARTMENTS 19



The Facility Condition Assessment of the Clover Court Apartments (100 & 200 Buildings) and the Sunflower Court Apartments determined that both facilities are in need of interior and exterior updates. The UIS 2020 Master Plan recommends that the Clover Court Apartments (100 & 200 Buildings) and the Sunflower Court Apartments are renovated to provide a better living experience for the residents.



*On-campus residents share a laugh in the living room of their on-campus apartment.  
Image courtesy of sj-r.com*



# Support a Vibrant Campus Life & Culture





**THE UIS 2020 MASTER PLAN FOCUSES ON STRENGTHENING HIGH-IMPACT PRACTICES TO PROMOTE INTERACTIONS THAT WILL ELEVATE CAMPUS LIFE AND CREATE INTUITIVE AND WELCOMING CAMPUS EXPERIENCES.**

**NEW CAPITAL CONSTRUCTION PROJECTS**

- 30 Athletics Field House (AFH) (exploring two sites)
- 31 Resurface Kiwanis Stadium with synthetic turf (KIW)
- 32 Soccer & Lacrosse addition (Kiwanis) (KIW)
- 33 Kiwanis Press box & Bleachers (KPB)
- 34 Golf Training Facility (GTF)
- 35 Baseball/Softball Complex (BSC)
- 36 Tennis Complex (TC)



## Support a Vibrant Campus Life & Culture

### ATHLETICS FIELD HOUSE 30



An Indoor multi-sport training Athletics Field House (AFH) will allow for year-round training for the University's Division II athletics programs with spectator seating and concessions.

#### FAST FACTS:

- 92,000 GSF

The Athletics Field House will allow for a premier athletic training and recruitment program for the rigorous training demands of today's collegiate athletes. Furthermore, this new facility will have a direct impact on the competitive performance for all of the University's athletics programs. It will improve recruiting and can generate facility rental revenue with the proposed 10,000 GSF retail space. It will be shared by Campus Recreation for all students to use.



*Concept of a track around a soccer field in a field house.  
Photo courtesy of mbdbuildings.com*



*Concept of indoor an baseball hitting and pitching facility in a field house.  
Photo courtesy of liberty.edu*

## RESURFACE KIWANIS STADIUM WITH SYNTHETIC TURF <sup>31</sup> SOCCER & LACROSSE ADDITIONS <sup>32</sup> & KIWANIS PRESS BOX & BLEACHERS <sup>33</sup>



Renovation and new construction at Kiwanis Stadium (KIW) will include:

- Spectator seating up to 2,000 – 3,500
- Game Operations & Press Box
- Synthetic Turf
- Field lighting & audio
- Expansion of Soccer Clubhouse
- Locker Rooms
- Coaches Offices
- Restrooms
- Concessions
- Meet multi-sport requirements
- Construction of 150 space spectator parking area for tailgating and Student Union overflow parking

### FAST FACTS:

- 2,600 GSF

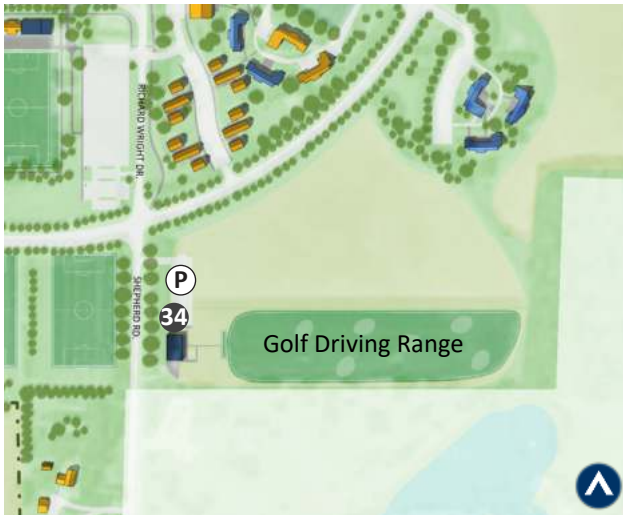
The Facility Condition Assessment of the Pressbox determined that the existing facility is at the end of its useful life. The UIS 2020 Master Plan recommends that the Pressbox along with the bleachers be replaced to enhance both the operations and patron game day experience.

This project has a direct impact on the men’s and Women’s Soccer and future Lacrosse programs. The facility will enhance UIS’s ability to recruit and retain top talent as a premier NCAA Division II and GLVC facility with amenities that are the envy of other institutions. Furthermore, it will reflect the world class reputation of the University of Illinois. It will work in cooperation with the campus to create a synergistic effect in the recruitment and retention of all students through on-campus partnerships as a shared facility. As a premiere facility, it will draw in community partnerships and present opportunities for collaboration, funding, and generating revenue, as well as develop and enhance bonds with the community.



## Support a Vibrant Campus Life & Culture

### GOLF TRAINING FACILITY 34



New construction of the Golf Training Facility (GTF) will provide:

- New training facility with driving range and putting green. The facility would house indoor and outdoor hitting bays, coaches' offices, equipment storage, and restrooms.
- Construction of a 50 space parking lot to support the golf facility.



*Concept of a driving range.  
Image courtesy of synthetic-turf.com*

## BASEBALL & SOFTBALL COMPLEX 35



Renovations and new construction of the Baseball/Softball Complex (BSC) will include:

- Upgrade to the existing collegiate baseball field with the addition of a synthetic turf outfield, lighting and bleachers
- New collegiate softball field with lighting and bleachers
- New outdoor hitting area
- New clubhouse with locker rooms, showers, restrooms, concessions
- Parking adjacent to the new field location
- Site work including pedestrian corridors, crosswalks, drainage, and lighting

This project has direct impact on competitive performance for the baseball and softball programs, will improve recruiting, and can generate rental revenue. Student athletes' safety and providing competitive playing conditions is the driver for this project as well as opportunities to host community high school games, tournaments and training camps.

### FAST FACTS:

- 26,000 GSF





## Support a Vibrant Campus Life & Culture

### TENNIS COMPLEX 36



New construction of a Tennis Complex (TC) will include:

- Men's and women's clubhouse with showers, storage, coaches' office space and public restrooms
- Twelve collegiate tennis courts, fencing, playing surface, and athletic lighting
- 140 space spectator parking
- Site work and area lighting

#### FAST FACTS:

- 1,850 GSF
- 1 Floor

## WEST QUAD 2



The new West Quad provides a pedestrian friendly corridor between the Residence Halls and recreation fields to the northwest.

Planters can be removed during busy move in/move out times to allow for vehicular access, but this area will remain largely a pedestrian corridor.

The rendering shows the new West Quad looking east on Vachel Lindsay Drive towards the Public Affairs Center, where the statue of the Young Lawyer, Abraham Lincoln, is located at the Main Quad.

*Concept: New West Quad at Vachel Lindsay Drive and Eliza Farnham Drive.*

## EAST QUAD PLAZA 3



The facilities at the East Quad consist of several single-story buildings that are home to many important academic programs such as Art, Music and Theatre, as well as Allied Health and Nursing. UIS is committed to investing capital resources to improve the quality of the exterior plaza to create an informal gathering plaza with increased green space, improved accessibility and comfortable furnishings to foster collaboration, gathering or quiet study. These improvements further build prominent connections to the Main Quad as well as elevate the campus life experience.

*Concept: Repaired building facade and envelope repair at East Campus buildings include sustainable materials and include updated landscaping and furnishings.*

## PUBLIC AFFAIRS CENTER SANGAMON AUDITORIUM 9



As Central Illinois's largest performing arts venue, recommended renovations to the Sangamon Auditorium Lobby include ticketing along with intuitive access to the pre-function space on the third floor. This will enhance the patron and performance experience.

*Concept: Renovation of PAC Level 2 lobby. Rendering courtesy of UIS.*



# Implement Growth Strategies





**THE UIS 2020 MASTER PLAN IS FOCUSED ON GROWING ENROLLMENT, BEING FLEXIBLE IN REALIGNING ACADEMIC UNITS IN RESPONSE TO DYNAMIC ACADEMIC NEEDS TO RECRUIT TOP TALENT WHILE CREATING AN ADAPTABLE, RESPONSIBLE, AND SUSTAINABLE INFRASTRUCTURE.**

The University is committed to investing Capital Funds into several identified strategic renovation projects that allow for program realignment, improve departmental synergies, and strengthen hi-impact practices that foster formal and informal interactions among faculty staff and students.

Sustainability is important to the culture of the University. The UIS 2020 Master Plan recommends several initiatives that supports a sustainable campus including land reserves for solar and wind energy as well as sustainable stormwater management.

**SUSTAINABILITY INITIATIVES**

- 4 Land reserved for future solar energy farm

**STRATEGIC RENOVATIONS**

**10 Brookens Building (BRK)**

**3rd Floor**

- Expand Center for Lincoln Studies
- Relocate Online Professional & Engaged Learning (OPEL)
  - Relocate Faculty Development Resource Office (FDRO)
  - Renovate Continuing & Professional Education (CAPE)
  - Modernize Center for Online Learning, Research Services (COLRS)

**4th Floor**

- Relocate Human Resources, Ethics & Office of Business & Financial Services (OBFS)

**NEW CAPITAL CONSTRUCTION PROJECTS**

**16 Spencer House (SPH)**

- Construct Center for Experiential & Problem Based Learning

**37 Land reserved for Commercial Development**

**38 Land reserved for Research Park**



# Implement Growth Strategies

## SPENCER HOUSE 16

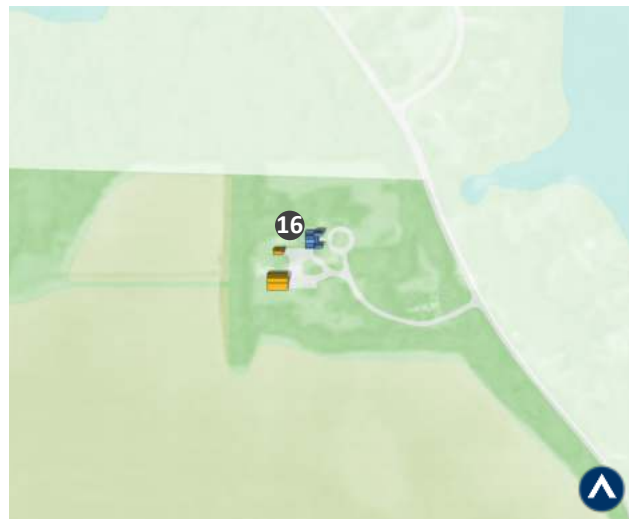


Spencer House  
Image courtesy of uisjournal.com

The Center for Experiential Problem-Based Learning will provide unique and innovative learning spaces that take students and community partner professionals out of more traditional classrooms and into experiential environments where they can tackle problems similar to those they will encounter in their careers. The active learning, hands-on critical thinking process of Problem-Based Learning (PBL)-Simulations challenges students and professionals to identify solutions to complex problems within a realistic environment.

The Spencer House will serve as the host facility where faculty, students, and professionals can engage in experiential learning using PBL and simulations. With minor renovations, including technology upgrades to support PBL-Simulations, the facility will feature a large "smart" classroom with remote learning capabilities and an adjacent residential simulation lab that will complement the existing Sim Labs utilized by the Child Protection Training Academy on campus. Discussions with community leaders and UIS faculty have captured numerous ways to construct simulations around some of the more challenging problems and situations facing the community:

- Trauma-informed practices
- Law Enforcement and Implicit Bias training
- Poverty and Homelessness
- Immigration and Global Advocacy Issues
- Teacher Education & Early Childhood
- Multidisciplinary Team Training
- Interviewing and Counseling Skills
- Home visiting nurses



The Center for Experiential Problem-Based Learning is a critical intersection between practice and practitioner, developing life-long skills with broad application. Community agencies are anxious to engage in more innovative workforce development strategies and the Center for Experiential Problem-Based Learning provides the environment and the skills for the next generation of public service providers.

## COMMERCIAL DEVELOPMENT CONCEPT ALONG 11TH STREET 37



The University of Illinois Springfield has an opportunity to be a leader in commercial development along 11th Street including retail opportunities at the Athletics Field House (AFH). Land has been reserved to bring mixed-use retail, dining, living facilities, as well as, a research park. This development could be an opportunity for a public/private partnership. It will enhance both student and visitor experience and keep them close to campus.



# Foster Partnerships





**THE RECOMMENDATIONS OF THE UIS 2020 MASTER PLAN WILL INCREASE COLLABORATION, STRENGTHEN LOCAL AND REGIONAL ECONOMIC GROWTH WHILE CONTINUING TO IDENTIFY AND CAPITALIZE ON NEW PARTNERSHIPS.**

**STRATEGIC RENOVATIONS**

**9 Public Affairs Center (PAC)**

**1st Floor**

- Modernize conference rooms

**17 UIS Field Station on Lake Springfield (FSL)**

- Construct Phase 2 Science Lab

**NEW CAPITAL CONSTRUCTION PROJECTS**

**22 UI Springfield Innovation Center**





### UIS FIELD STATION ON LAKE SPRINGFIELD 17



*Concept rendering courtesy of UIS.*



*Concept of a modern science lab.  
Image courtesy of [www.gcu.ac.uk](http://www.gcu.ac.uk)*

This project will complete the renovation the interior and exterior of this recently acquired property and provide a multipurpose facility that will provide education, research, recreation and public engagement opportunities for students, faculty and visitors. The Field Station sits on 2.32 acres with 440 feet of shoreline on Lake Springfield and is about a 10 minute walk from campus. This renovation will add teaching laboratories associated with courses and research in Biology, Chemistry, and Environmental Sciences. Educational and research opportunities for students in the Humanities, Social Sciences, Visual Arts, and other academic programs are available. The development of the property will also allow for wide range of Campus Recreation activities to include water-related recreational offerings such as canoing/kayaking instruction, sailing, fishing, fitness classes, and a challenge course, as well provide a place for social events for the students, faculty and community.

## UI SPRINGFIELD INNOVATION CENTER 22



The UIS Innovation Center is the first hub of the Illinois Innovation Network, a system of connected university, community and industry based hubs that will work together to drive innovation and economic development across Illinois.

With an expanded Innovate Springfield at its heart, the UIS Innovation Center will advance the regional economy by working with industry, government and other partners to build a robust and inclusive human capital and innovation pipeline.

The Center will be a modern space. Every facet of the Center, from its design to the activities that occur within the facility and outside its walls, will inspire an innovative culture, and contribute to a vibrant community by strengthening community connections and building a more robust economy. The design and construction goal will be to achieve LEED Gold Certification.

Activities and programs will attract entrepreneurs to develop and launch locally based businesses and will support the development of evidence-based, impact-driven programs aimed at advancing the social and economic welfare of the region.

To increase economic vitality and growth and to attract, retain and develop talent, the Center will focus on FIVE strategic areas through the expansion of existing programs and creation of new initiatives:

1. Business Incubation & Acceleration
2. Technology & Research Commercialization
3. Social Innovation
4. Public Safety Research
5. Undergraduate, Graduate & Professional Education

### FAST FACTS:

- 62,000 GSF
- Multi-story







# Academic Space Strategies

## ACTIVE LEARNING ENVIRONMENTS

Strategies to improve existing classrooms through renovation into interdisciplinary learning environments include:

- Combine smaller classrooms into larger spaces.
- Add and/or invest in flexible furnishings that can be easily reconfigured.
- Increase views to daylight in classrooms at building exterior.
- Add transparency into classrooms from corridors with the addition of glass.
- Invest in replacing antiquated, outdated technology with adaptable, state of the art technology to support new pedagogies.



*Concept of an active learning environment.  
Image courtesy of er.educause.edu*



*Concept of an active learning environment.  
Image courtesy of www.quinnevans.com*



*Concept of an active learning environment.  
Image courtesy of archinect.com*

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# Accessibility, Mobility, Connectivity





The University of Illinois Springfield campus currently provides an established multi-modal transportation network, including roadways, pedestrian and bicycle facilities, and access to public mass transit. Transportation options are currently provided on campus; however the network is fragmented which limits on- and off-campus mobility and accessibility. While the Master Plan seeks to leverage the existing multi-modal network, opportunities have been identified to enhance pedestrian and bicycle connectivity; improve roadway conditions and create intuitive circulation patterns; and enhance access to public mass transit. The improvements identified in the Master Plan create a multi-modal network which emphasizes convenience, safety, and comfort. These improvements also positively contribute to broader campus objectives, including connectivity to the Springfield community; improving access to jobs, shopping, and recreation; and enhancing the quality of life and campus experience for students, faculty, and staff. An overview of key transportation improvements included in the Master Plan is outlined below.

#### INTERSECTION IMPROVEMENTS

- Provide a raised intersection and pedestrian crossing improvements at Vachel Lindsay Drive/Eliza Farnham Drive.
- Realign Richard Wright Drive with Carl Sandburg Lane at Eliza Farnham Drive.
- Modify the intersection of William Maxwell Lane/ University Drive.

#### OPTIMIZED PARKING SYSTEM

- Reduce the parking supply in Lot B.
- Modify Lot F to accommodate the realignment of Richard Wright Drive.
- Increase the parking supply at Lot H to support the future Multi-Sport Field/Kiwanis Building and Stadium and expansion of the soccer and lacrosse facilities.
- Increase the parking supply at Lot I to support the future Human Performance Center, Multi-Activity Center Gym, and Natatorium.
- Construct new parking facilities adjacent to the future Public Safety Building; Library, Learning & Student Success Center; Residence Halls; Golf Training Facility; Baseball/Softball Complex; and Athletics Field House to support the facility-essential needs of these buildings.





## Accessibility, Mobility, Connectivity



*Photo of advanced crossing signage provided for key park/trail crossings on University Drive.*



*Photo of cyclist on Vachel Lindsay Drive approaching the UIS campus. Bike lanes are not currently provided on Vachel Lindsay Drive.*



*Photo of bicycle parking outside Founders Residence Hall.  
Photos courtesy of Kimley-Horn.*

### AGENCY COLLABORATION AND PARTNERSHIPS

- Partner with the Sangamon Mass Transit District in order to enhance public mass transit as a viable commute option for students, faculty, and staff.
- Collaborate with the City of Springfield to expand the bicycle share program and provide connectivity between the campus and downtown.

### PEDESTRIAN/BICYCLE

- Establish primary and secondary pedestrian corridors to provide intuitive routes for students, faculty, staff, and visitors. Primary routes, which also facilitate emergency vehicle access, should provide a minimum sidewalk width of ten feet, whereas secondary routes should provide a width of six feet.
- Install new sidewalk in existing gap locations along Richard Wright Drive, Eliza Farnham Drive, and within the East Quad.
- Construct curb extensions at key intersection corners and midblock crossings. Curb extensions are recommended at the midblock crossings along Eliza Farnham Drive and Richard Wright Drive as well as the intersection corners at Eliza Farnham Drive/Vachel Lindsay Drive and the future intersection of Eliza Farnham Drive/Carl Sandburg Lane/Richard Wright Drive.
- Install Shared Lane Markings or “sharrows” along Eliza Farnham Drive.
- Provide a multi-use sidepath/trail along University Drive between 11th Street and Ernest Hemingway Drive.

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# Implementation Plan for Mobility Improvements

Based on the improvements identified to enhance campus mobility and accessibility, opportunities to coordinate implementation with the capital construction projects were reviewed. The following implementation matrix outlines the anticipated phasing for the mobility improvements. The following phasing program was identified, consistent with the capital construction projects:

- **Immediate Need** mobility improvements are urgently needed to address specific campus needs related to creating a welcoming, intuitive campus arrival experience; strategic building renovations; and construction of prioritized new facilities (refer to *Immediate Need* map in Volume 1b). Additional mobility improvements which address existing access, safety, and comfort challenges are also identified as Immediate Need.

- **Near Term** identifies mobility improvements which support the capital construction projects identified to cultivate a premier educational experience; support a vibrant campus life and culture; and implement growth strategies to create an adaptable, responsible, and sustainable infrastructure to support future development (refer to *Near Term* map in Volume 1b). Additional improvements which facilitate multi-modal campus connectivity have been identified as Near Term.
- **Stand-Alone** identifies projects which may be implemented as an individual capital construction projects.

In addition to implementation of the mobility improvements identified through the master planning process, establishment of an asset management plan is recommended. The asset management plan would include a robust inventory and quality assessment of existing infrastructure, which would inform allocation of limited resources for maintenance and replacement. In combination with the master plan, the asset management plan could be used to develop the University's annual Capital Budget Request.

CAPITAL CONSTRUCTION PROJECT	MOBILITY IMPROVEMENT
<b>STAND-ALONE</b>	
Roadway Repair Projects	<ul style="list-style-type: none"> <li>• University Drive Streetlight Replacement Phase I</li> <li>• Ernest Hemingway Drive Phase I</li> <li>• Ernest Hemingway Drive / Edgar Lee Masters Drive Phase II</li> <li>• University Drive Repairs</li> <li>• University Drive Streetlight Replacement Phase II</li> <li>• University Drive Streetlight Replacement Phase III</li> <li>• Vachel Lindsay Drive Repair</li> </ul>

Table courtesy of Kimley-Horn.

CAPITAL CONSTRUCTION PROJECT	MOBILITY IMPROVEMENT
<b>IMMEDIATE NEED</b>	
Richard Wright Drive / Carl Sandburg Lane Realignment at Eliza Farnham Drive	<ul style="list-style-type: none"> <li>• Remove Lot F (94 spaces) (Exhibit 3)</li> <li>• Install new crosswalks at future intersection (north, south, and east legs)</li> <li>• Consolidate mid-block crossings and provide curb extensions on Eliza Farnham Drive and Richard Wright Drive</li> <li>• Install curb extensions at future intersection corners</li> <li>• Provide shared lane markings (i.e., sharrows) on Eliza Farnham Drive and Richard Wright Drive</li> <li>• Work with SMTD to eliminate the underutilized transit stop at the northeast corner of Richard Wright Drive / Eliza Farnham Drive (Exhibit 2)</li> <li>• Install new sidewalk along Richard Wright Drive (Exhibit 1)</li> </ul>
William Maxwell Lane Realignment	<ul style="list-style-type: none"> <li>• Reconfigure William Maxwell Lane / University Drive intersection</li> <li>• Install new sidewalk along William Maxwell Lane (Exhibit 1)</li> </ul>
East Quad development	<ul style="list-style-type: none"> <li>• Install new sidewalk connections between the East Quad and Student Union (Exhibit 1)</li> </ul>
Public Safety Building	<ul style="list-style-type: none"> <li>• Construct new parking lot (estimated 30 spaces) (Exhibit 3)</li> </ul>
Library, Learning, & Student Success Center	<ul style="list-style-type: none"> <li>• Construct new parking lot (estimated 50 spaces) (Exhibit 3)</li> </ul>
Other Pedestrian / Cyclist Access and Mobility Improvements	<ul style="list-style-type: none"> <li>• Install new crosswalks at Eliza Farnham Drive / Ernest Hemingway Drive (north, east, and west legs)</li> <li>• Modify the existing standard crosswalk striping on University Drive south of Lot B to provide continental markings</li> <li>• Review all signage at existing pedestrian crossings and modify to align with the MUTCD and to provide consistency across the campus (see "Accessibility, Mobility, Connectivity" section)</li> <li>• Install new sidewalk along the northwest side of Ernest Hemingway Drive, from University Drive to Eliza Farnham Drive (Exhibit 1)</li> <li>• Install sidewalk in existing gap location on the southeast side of Eliza Farnham Drive between Lot E and Ernest Hemingway Drive (Exhibit 1)</li> <li>• Install sidewalk in existing gap locations on both sides of Ernest Hemingway Drive south of Eliza Farnham Drive (Exhibit 1)</li> <li>• Modify the existing standard crosswalk on Eliza Farnham Drive at Lot D to provide continental markings</li> <li>• Modify the existing standard crosswalk on Eliza Farnham Drive at the west entrance to Lot C to provide continental markings</li> <li>• Install a new crosswalk on Eliza Farnham Drive at the east entrance to Lot C</li> </ul>

*Refer to Volume 1b for referenced Exhibits.*

*Table courtesy of Kimley-Horn.*



# Implementation Plan for Mobility Improvements

CAPITAL CONSTRUCTION PROJECT	MOBILITY IMPROVEMENT
<b>NEAR TERM</b>	
West Quad development	<ul style="list-style-type: none"> <li>• Vachel Lindsay Drive / Eliza Farnham Drive Intersection Improvement</li> <li>• Install curb extensions at corners of Eliza Farnham Drive/Vachel Lindsay Drive</li> </ul>
Other Pedestrian / Cyclist Access and Mobility Improvements	<ul style="list-style-type: none"> <li>• Work with SMTD to eliminate underutilized transit stops on Vachel Lindsay Drive (Exhibit 2)</li> </ul>
<b>STAND-ALONE OPPORTUNITIES</b>	
Human Performance Center Multi-Activity Center Gym Natatorium	<ul style="list-style-type: none"> <li>• Expand Lot I (estimated 265-space increase) (Exhibit 3)</li> <li>• Install a new mid-block pedestrian crossing on the east leg of University Drive at Lot I</li> <li>• Install new sidewalk along the east side of Eliza Farnham Drive, from Richard Wright Drive to University Drive (Exhibit 1)</li> <li>• Install new sidewalk along the north side of University Drive, from Eliza Farnham Drive to Shepherd Road (Exhibit 1)</li> </ul>
Future Academic Expansion Business Building	<ul style="list-style-type: none"> <li>• Modify Lot B (estimated removal 290 spaces) (Exhibit 3)</li> <li>• Install a new mid-block pedestrian crossing on the north leg of University Drive at Lot B</li> </ul>
Future Student Housing	<ul style="list-style-type: none"> <li>• Construct new parking lots (estimated total 450 spaces) (Exhibit 3)</li> <li>• Modify Marigold Court and Trillium Court parking lots (estimated removal 190 spaces) (Exhibit 3)</li> </ul>
Athletics Field House (North)	<ul style="list-style-type: none"> <li>• Construct a new parking lot (estimated 500 spaces) (Exhibit 3)</li> <li>• Consider a multi-use sidepath along 11th Street</li> <li>• Install new crosswalks at 11th Street / Vachel Lindsay Drive (north and east legs)</li> <li>• Install curb extensions at corners of 11th Street / Vachel Lindsay Drive</li> <li>• Install new striped crosswalks at 11th Street / Ernest Hemingway Drive (west and south legs)</li> <li>• Work with SMTD to explore new transit route along 11th Street and University Drive (Exhibit 2)</li> </ul>
Athletics Field House (South)	<ul style="list-style-type: none"> <li>• Construct a new parking lot (estimated 500 spaces) (Exhibit 3)</li> <li>• Install new crosswalk at 11th Street / University Drive (east leg)</li> <li>• Work with SMTD to explore a new transit route along 11th Street and University Drive (Exhibit 2)</li> <li>• Install new sidewalk between the Athletics Field House (South), Baseball/Softball Complex, and Golf Training Facility (Exhibit 1)</li> <li>• Install new sidewalk along the west side of Shepherd Road south of University Drive (Exhibit 1)</li> </ul>
Golf Training Facility	<ul style="list-style-type: none"> <li>• Construct a new parking lot (estimated 50 spaces) (Exhibit 3)</li> <li>• Install new crosswalks at Shepherd Road / University Drive (north, south, and west legs)</li> </ul>
Baseball/Softball Complex	<ul style="list-style-type: none"> <li>• Construct a new parking lot (estimated 150 spaces) (Exhibit 3)</li> </ul>

*Refer to Volume 1b for referenced Exhibits.*

*Table courtesy of Kimley-Horn.*

CAPITAL CONSTRUCTION PROJECT	MOBILITY IMPROVEMENT
<b>STAND-ALONE OPPORTUNITIES (continued)</b>	
Multi-Sport Field Kiwanis Building / Stadium	<ul style="list-style-type: none"> <li>• Expand Lot H (estimated total 150 spaces) (Exhibit 3)</li> <li>• Modify the existing standard crosswalk on the south leg of Shepherd Road at Lot H to provide continental markings</li> </ul>
Other Pedestrian / Cyclist Access and Mobility Improvements	<ul style="list-style-type: none"> <li>• Install new sidewalk along the northwest side of Eliza Farnham Drive, between Lot D and Ernest Hemingway Drive</li> <li>• Install new sidewalk along the south side of Eliza Farnham Drive, between Ernest Hemingway Drive and Lot C</li> <li>• Provide a multi-use sidepath along University Drive between 11th Street and Ernest Hemingway Drive</li> <li>• Construct a two-way cycle track on the north side of Vachel Lindsay Drive, between 11th Street and Eliza Farnham Drive</li> <li>• Install new sidewalk along the west side of Eliza Farnham Drive, from Vachel Lindsay Drive to University Drive (Exhibit 1)</li> <li>• Monitor multi-modal conditions at the intersection of Vachel Lindsay Drive / Eliza Farnham Drive to evaluate future traffic control modifications</li> </ul>

*Refer to Volume 1b for referenced Exhibits.*

*Table courtesy of Kimley-Horn.*



# Utilities & Infrastructure: Technology





The existing campus fiber system is installed in a combination of ring and star topology. Currently, there are two data centers serving the campus. Most fiber is routed to the primary data center located in Health & Sciences Building (HSB). Some fiber is routed to a redundant data center in University Hall Building (UHB). All existing fiber is multi-mode and originates in the HSB primary data center. There is a 100 strand fiber connecting the data centers in HSB and UHB. With the current arrangement, there is no redundancy of individual distribution feeds to most campus buildings, and therefore little ability to maintain data service to campus buildings in the event of damage to the building cabling feed.

Future improvements will need to be made to address the redundancy issue. Relocating the existing primary data center is not a feasible option, as this would disrupt the existing campus infrastructure and would result in extensive re-cabling, re-routing, and or splicing of cables at all existing campus buildings. Most campus low voltage systems including, but not limited to, voice/data, access control, video surveillance, emergency notification, CATV etc. are dependent on the existing fiber network infrastructure.

For future planning of data service, all new buildings should have two feeds with single mode fiber. The two feeds are not required to come from different data centers since both data centers are interconnected. This will provide full redundancy for new buildings. Existing buildings should be considered on a case by case basis for upgrade to two fiber feeds as described for new buildings.

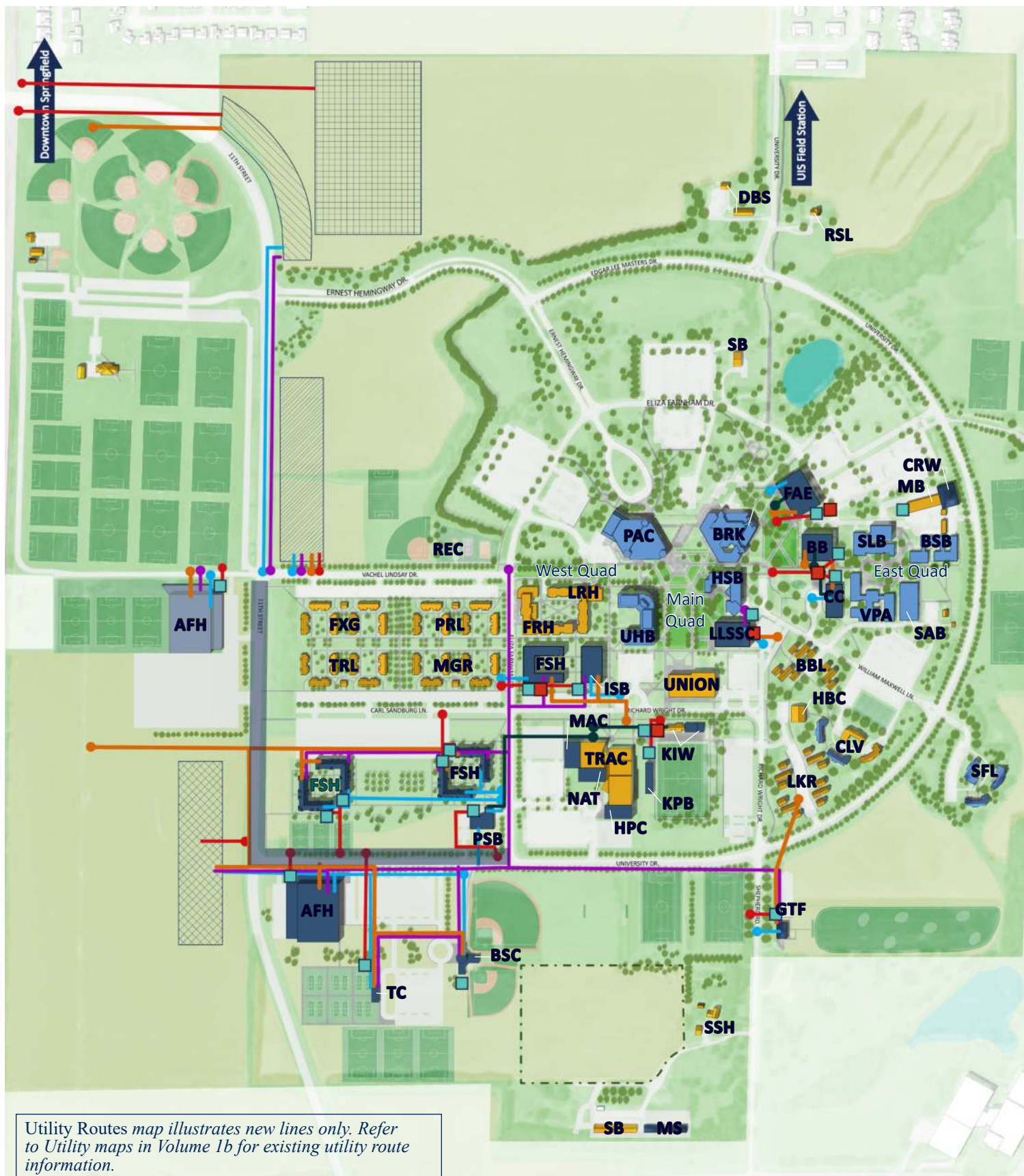
As part of future updates to the Spencer House (SPH), this location is planned to be served from the local cable utility network due to its distance away from the main campus fiber system.

The Golf Training Facility (GTF) is planned to be served from a wireless transmitter since it is not near any fiber infrastructure and will have very limited data needs.





# Utilities & Infrastructure: Future Utility Routes





The campus presently has existing utility corridors established in Vachel Lindsay Drive, Eliza Farnham Drive, Richard Wright Drive and Shepherd Road. The utilities are mainly distributed on each side of these roads. Richard Wright Drive is at capacity for the number of existing utilities in that particular corridor which limits any additions in this section. Expansion in Vachel Lindsay Drive, Eliza Farnham Drive and Shepherd Road have room to allow for expansion of future utilities. A new corridor was established for a 12-inch sanitary main which runs north-south through the quad area between Foxglove, Pennyroyal Court, Trillium Court and Marigold Court. A partial existing/future expansion utility corridor is established in 11th St. and University Dr. This corridor will house water, sanitary sewer, electric and high pressure gas.



## Utilities & Infrastructure: Future Utility Routes

### **GAS DISTRIBUTION**

The campus gas service is provided by Ameren Illinois and is a high-pressure main providing 100 psi. This is more than enough for the current and future needs of campus. Ameren Illinois has made infrastructure improvements to the mains serving the campus by switching from ductile iron to plastic pipe.

Presently, the gas main connection for the campus is located north of Vachel Lindsay Drive along the east side of Eliza Farnham Drive. The campus gas meter reduces the gas service from high pressure to low-pressure which is around 10 psi. The low-pressure line hinders the ability to install natural gas backup generators at the Student Union, and future buildings, as well as, additional kilns in the Visual and Performing Arts building. A new high-pressure gas main should be installed from the Ameren gas main in Vachel Lindsay Dr. and Eliza Farnham Dr. where a new meter will be placed and the high-pressure gas main can be run along the east side of Eliza Farnham Dr. to University Dr. This allows for service connections to future student housing and the future Athletics Field House on University Dr. Service lines for future Natural Gas Generators at existing buildings on campus can also utilize this high-pressure gas line.

### **WATER DISTRIBUTION**

The campus water service is provided by City Water, Light and Power (CWLP). The university is served by several watermains coming from the west in Vachel Lindsay Dr., the south in Shephard Rd., the east through the East Quad and the north at the intersection of University Dr and Edward Lee Masters Dr.

For future campus expansion to the south along University Dr. and west to 11th St. it is recommended to tap into the existing CWLP water line in University Dr. and Eliza Farnham. For future buildings located in the East Quad, these can utilize the existing main that runs east-west through the East Quad.

### **INTERNET AND TELECOMMUNICATIONS**

The technology provider has fiber and copper communication lines serving the campus at 10 GB/sec. New expansion to future facilities would be from Health & Sciences Building (HSB) primary data center or University Hall Building (UHB) redundant data center.

### **SANITARY SEWER SYSTEM**

The sanitary sewer collection system is connected to the existing off-campus sewer system operated by the Sangamon County Water Reclamation District (SCWRD). The sanitary sewer main which serves the campus along Vachel Lindsay Dr. runs east-west through the campus. A new 12-inch sanitary sewer line is to be constructed as part of the construction of the Public Safety Building which will be located at the northwest corner of the intersection of Eliza Farnham Dr. and University Dr. This provides the sanitary service to the Public Safety Building. For future campus expansion along University Dr. and 11th St., a new sanitary line will be constructed from the existing sanitary sewer which runs north-south and is west of 11th St. This will serve the future residence halls, field house, tennis courts and the baseball/softball complex. For future expansion in the East Quad and central campus, the existing 24-inch sanitary sewer running east-west in Vachel Lindsay and east through the campus can provide sanitary service these areas.

### **ELECTRICAL DISTRIBUTION**

The campus is served by two electric feeders which enter campus from the northwest. The Porter Substation, owned by Springfield City Water, Light, & Power (CWLP), is a 138kV substation that feeds the campus from the northwest located on Vachel Lindsay Drive west of campus. One of the critical underground feeds coming from the Porter Substation loops around 11th Street to University Drive and heads north on Shepherd Road/Richard Wright Drive where it crosses the campus on the east side of the planned Library, Learning & Student Success Center (LLSSC), Health & Sciences Building (HSB) and Brookens (BRK) where it enters the building from the north. Another feed from the Porter Substation runs on the south side of Vachel Lindsay Drive and heads east where it loops around the Foxglove Court, Penny Royal Court, Marigold Court and Trillium Court residences. A third feed from the substation heads east on Vachel Lindsay Drive and turns south on 11th Street where it connects to an east-west overhead electrical line south of the Baseball/Softball Complex on University Drive.

All of the main campus buildings are fed from the Campus primary electrical distribution. The apartments, townhouses, and Cox Children's Center are fed directly from the utility (City Water, Light, and Power). In the future all new buildings will be fed from the utility company.

The Campus electrical distribution system utilizes radial feeds to each existing main building. Metering should be added to the 15KV loop or radial feeds.



# Utilities & Infrastructure: Chilled Water & Steam



## CHILLED WATER

The existing campus chilled water system is at capacity per UIS.

The existing system serves Brookens, Public Affairs Center (PAC), University Hall Building (UHB), Lincoln Residence Hall (LRH), Founders Residence Hall (FRH), The Recreation and Athletic Center (TRAC), and the Student Union.

The piping/pumping arrangement is inefficient and has no redundancy. The chiller pumps cannot be cross-connected, they are dedicated to each chiller, and the piping is not manifolded. This means that each individual piece of equipment is a single source of failure and a leaking pump seal can take an entire chiller off line.



The chiller plant piping arrangement and controls programming should be reconfigured so that any pump can serve any chiller.

A future recommendation that benefits the system will be to connect piping and controls from the Health & Sciences Building (HSB) to increase capacity, redundancy, and efficiency of the campus chilled water systems. If the chillers serving HSB were connected to the campus chilled water piping they could be used to provide additional chilled water to other buildings whenever the HSB isn't operating at peak cooling demand. In addition, piping and electrical infrastructure should be extended to allow a temporary chiller to be located in the Brookens Building dock area and connected to the chilled water distribution system in the event of an emergency (chiller failure).

In the future, new buildings need to be served from dedicated chillers or direct expansion refrigeration equipment. The UIS 2020 Master Plan recommends removing the Student Union from the campus chilled water loop to combine it with new chilled water equipment/systems serving the Library, Learning and Student Success Center (LLSSC) to allow for year-round operation of the heat recovery chiller in the Student Union.

The additions to The Recreation and Athletic Center (TRAC) will need to be evaluated in the future during the design of these additions, when more detailed information is available. The Multi-Activity Center Gym and the Human Performance Center may be able to be served from the campus chilled water in TRAC especially if the modifications to the chilled water plant proposed above are incorporated. The Natatorium will need to be served from dedicated air handling equipment with direct expansion refrigeration.

## STEAM/HEATING WATER

The existing steam boilers located in Brookens (BRK) and the Public Affairs Center (PAC) are cross-connected and piped to serve the Health & Sciences Building (HSB).

The winter load typically requires one large 500 BHP boiler with another one kept hot for standby redundancy. The summer load is served by one 350 BHP boiler with no redundancy.

The UIS 2020 Master Plan recommends replacing the steam boilers with multiple hot water boilers in the future to increase redundancy and efficiency of these heating systems.

The remainder of the existing campus is served by local gas fired heating water boilers or gas fired air handling equipment. New buildings will need to be served from dedicated gas fired boilers or air handling equipment similar to the majority of campus.





Site and Utility measures impact the overall campus as a whole, and the areas surrounding each building. The area between buildings, and the overall campus, is a highly used, inhabited space that has a large impact on the environment. Examples of site and utility sustainable strategies include:

- Use of permeable pavers in strategic locations
- Stormwater runoff mitigation
  - Bioretention basins
  - Vegetated/landscaped swales
  - Stormwater gardens
  - Detention under permeable pavers
  - Capture and reuse stormwater for irrigation

Stormwater management and control are vital concerns on the University of Illinois Springfield campus. Several factors must be considered. First, the campus covers a very large area, a total of 756 acres, and lies along the edge of Lake Springfield, the region's water supply and recreational feature. Drainage from the campus into the lake must be controlled to avoid soil erosion and siltation, chemical contamination, and debris deposits. The lack of topographic change affects the use and development of the campus. The elevation differential within the campus is not much more than 20 feet, leading to difficulty in attaining enough slope for effective stormwater drainage. Swales, roadside ditches, and underground storm pipes are commonly needed for effective campus drainage. Additionally, the deep organic soils of the site resulting from historic prairie growth are rich in organics and nutrients for plant growth, but do not percolate efficiently to drain excess stormwater.

To reduce the amount of stormwater discharge, sustainable stormwater management techniques such as permeable pavers, bioswales, rain gardens, and green roofs should be employed to the extent possible.

The flat prairie topography is the foundation of the campus aesthetic. Campus development should enhance the "prairie style" imagery to celebrate the horizontal lines of the land.

Use and implementation strategies for these initiatives is outlined in each of the project pages, as well as illustrated graphically on the specific campus maps in Volume 1.





## Utilities & Infrastructure: Stormwater

Currently, surface water on campus drains to Lake Springfield via a collection system of swales, culverts, and stormwater drainage structures.

- The northern half of campus drains north to University Drive and follows the road along the perimeter of campus to the northeast where the water flows into a creek that leads to Lake Springfield.
- The southern half of campus is directed to and around University Drive where the water drains to the southeast into another creek that continues to Lake Springfield.
- The western portion of campus drains into a storm sewer system that eventually discharges into Lake Springfield.

Areas on campus of drainage concern follow:

- A** The stormwater collection swale north of the existing detention pond is eroding into relatively deep gullies. The swale can be regraded into a flat-bottom swale with the capacity for the stormwater it is receiving.
- B** The area between the PAC and Brookens Library is underlain with structures that are affected by percolating stormwater that infiltrates the structures.
- C** The drainage outfall structure from Parking Lot D has settled and is not functioning properly. It can be repaired.
- D** The East Quad has extensive pavement and sunken courtyard; it does not drain efficiently. An underground tile and pipe system could improve the rate of drainage during and after rain events.

- E** Areas of campus are underlain with old, deteriorating vitrified clay drainage tile systems that cause areas of ponding water during and after rain events. The baseball and soccer fields are affected by this condition which limits play and is a safety concern. Removal of the old tile and replacement with modern underground tile systems could eliminate these problems.
- F** The overall central campus area does not drain well, and in several areas stormwater backs-up onto sidewalks during rain events. Areas along the sidewalks can be regraded to establish (or reestablish) swales along these areas and, if needed, tiled to connect with the underground stormwater collection system.
- G** Detention basins can be positioned to reduce the intensity of water flow from campus core to Lake Springfield. In certain locations along the greenways leading from the campus to Lake Springfield, soil erosion can be prevented with baffle dams that terrace the waterway and allow growth of stabilizing plant material.
- H** Alongside impermeable pavement and within large paved areas, bioswales or stormwater gardens can be used to collect and filter impurities from storm runoff.
- I** Permeable pavement can be used that combine infiltration and subsurface detention to reduce runoff.
- J** Along the greenways, trees and forested conditions should be preserved as a BMP to stabilize the banks and control erosion.

To reduce the amount of stormwater flowing into the existing drainage systems, Best Management Practices (BMPs) can be developed at optimum locations throughout campus. Construction of future facilities to control stormwater runoff should rely on the use of permeable pavers, bioswales, rain gardens, and bioretention basins rather than expanding on the existing underground stormwater collection system on campus.



*Concept of stormwater management.  
Photo courtesy of David Mason + Associates.*

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# Land Type & Sustainability & Renewable Energy Initiatives

## SUSTAINABILITY & RENEWABLE ENERGY

The University of Illinois Springfield is committed to incorporating sustainable measures in all of their buildings. Building design, building infrastructure, energy usage, and site design all contribute to the University's sustainability. All projects on campus will incorporate sustainable measures, some of which are outlined below.

Creating a culture of sustainability is important for UIS and supports initiatives to create an adaptable, responsible sustainable infrastructure to support future development.

UIS's Student Union serves as a great example of how UIS is sustainably managing stormwater run-off, and leading the way as an example institution of which others should take note.

Architectural measures include those strategies that impact the building structure directly. This includes the building orientation, exterior envelope and roof, and the building's interior. Examples of architectural strategies include:

- Re-use existing buildings
- Use of daylighting
- Use of recycled material
- Improve building energy performance
  - Upgrade glazing systems
  - Use more energy efficient wall systems
- Green Roofs

The top sustainability and renewable energy initiatives that the University can implement are:

- Solar Farm Electricity Generation
- Stormwater Runoff Reduction
- Daylighting
- LED Lighting Fixtures & Lighting Controls
- Energy Use Reduction (building glazing, building skin improvement, MEP systems)
- Prairie restoration
- Campus landscape enhancement

Building infrastructure measures include strategies that impact the Mechanical, Electrical, Plumbing (MEP) and Fire Protection systems in a building. These systems can use a large amount of energy and thus can have great impact on sustainability when care is taken to use energy efficient measures. Examples of building infrastructure strategies include:

- Incorporate energy recycling in MEP systems
- Use of LED lighting fixtures in all buildings
- Incorporate upgraded lighting controls
- Replace obsolete electrical equipment
- Improve efficiency/redundancy of campus chilled water equipment
- Upgrade/modernize Direct Digital Controls (DDC) throughout campus
- Low flow plumbing fixtures

### SOLAR POWER

A solar farm will provide a visual commitment to the community and beyond of UIS's commitment to sustainability. The location for the solar array would be in the northwest area of the campus which would provide enough space to construct a 2.5 acre array which would produce 1,000 kilowatts per day or 24,000 kilowatt hours.

### PERIMETER CROPLAND & FOREST MANAGEMENT UNITS

It is expected that the University of Illinois at Springfield will continue to lease the existing cropland and will follow best practices in sustainable farm management.

Forest areas located beyond the agriculture fields need to be managed to control invasive species and promote healthy native forest succession.

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## CONCLUDING THOUGHTS.....FROM THE UIS 2020 MASTER PLAN TEAM

The UIS 2020 Master Plan Executive Summary and Report is the culmination of a 15-month journey of fact seeking, analysis, discovery, dreaming big. It is a road map that will guide future decisions and capital investments at the University of Illinois Springfield for years to come. This Master Plan represents the collective thoughts and ideas developed through intake surveys, hundreds of hours of meetings, visioning sessions, spirited discussions from nearly 160 stakeholders. The *UIS 2020 Master Plan: A Pathway to Opportunity* is a much larger, comprehensive study that can be accessed at [www.uis2020masterplan.com](http://www.uis2020masterplan.com).

This is not where the journey ends. In fact, it is quite the opposite. This is where those connected close to the University of Illinois Springfield can make a real difference its future. It is the planning team's desire that leadership, faculty, staff, alum, Springfield community feel compelled to keep the conversation going. We encourage you to get involved, support these initiatives and play an integral role in bringing these ideas to reality. Grasp the opportunities and continue to seek a culture of change that can be a catalyst of evolution and inspire a movement to "Dream Big" that will pave the "Pathway to Opportunity."

On behalf of the entire planning team, we appreciate your commitment to this process and extend our deepest thanks for your time, your thoughts, and your engagement.



*Image courtesy of Lawrence Group.*