



**CAMPUS MASTER PLANNING**  
**A CATALYST FOR INSTITUTIONAL CHANGE |**  
**UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN**

**SCUP NORTH CENTRAL REGIONAL CONFERENCE |**  
**FAST FORWARD: LOOKING TO THE FUTURE OF INTEGRATED PLANNING**

**OCTOBER 29, 2019**

# INTRODUCTIONS



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**UNIVERSITY OF ILLINOIS AT  
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**SMITHGROUP**



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Higher Education Studio  
Leader/Architect  
**SMITHGROUP**

# LEARNING OUTCOMES

- 1.** Describe how to effectively focus your campus master plan to serve as a catalyst for strategic, fiscal, and operational change that meets your institution's sustainability goals.
- 2** Identify key resources and important data sets – including space utilization, educational adequacy, facility condition, and energy and water use – to help guide a data-driven planning process that supports the strategic goals of the institution.
- 3** Engage a diverse group of campus and community stakeholders to build support around shared sustainability goals and ensure institutional ownership following plan completion.
- 4** Utilize key programmatic and space metrics to measure increased operational space efficiency and resource optimization of the physical environment.



# UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN

## Proud History. Deep Roots.

1867. Illini Pride. Community Connections.

## Strong Leadership. Bold Future.

President Killeen. Chancellor Jones.  
Strategic. Focused. Land Grant Mission.

## Regional Influence.

Flagship University in Illinois.  
Annual Impact. Strong Partnerships.

## Global Impact.

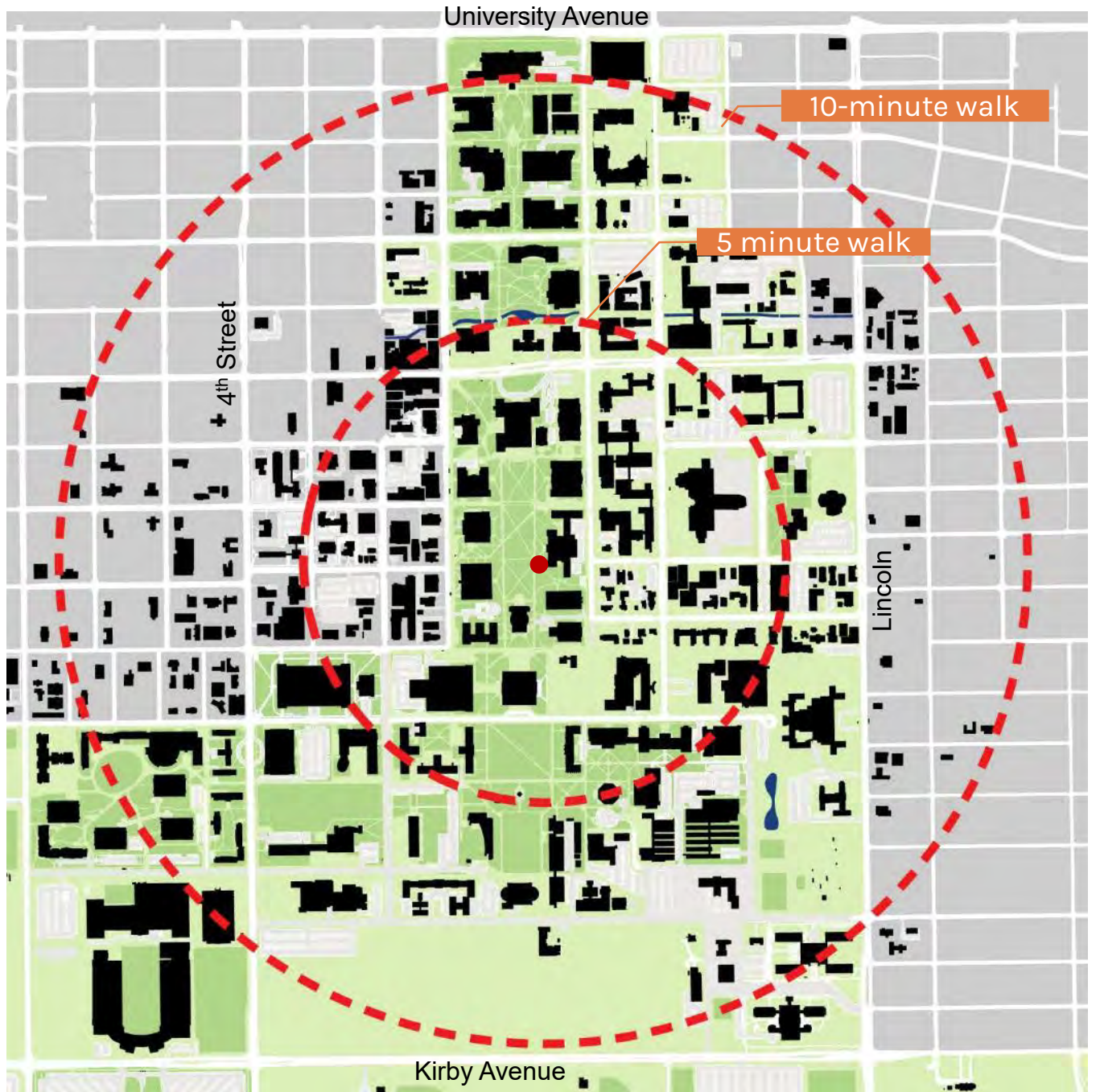
Pre-eminent Public Research University.  
\$642M Total Research. Interdisciplinary.





# UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN

Data	Illinois
Date Founded	1867
Acreage	1,783
Enrollment	45,034
Undergraduate	31,989
Graduate	13,045
Students: faculty	19:1
Full-time faculty	2,317
Part-time faculty	899
Staff	10,736
Total Gross Square Feet	23,328,000
Net Assignable Square Feet	14,944,000





# PURPOSE OF THE MASTER PLAN

## CELEBRATE THE ILLINOIS LEGACY

PROVIDE AN UPDATED PLANNING FRAMEWORK TO GUIDE  
ANTICIPATED FUTURE ENROLLMENT GROWTH & CAMPUS DEVELOPMENT





# SUSTAINABILITY

ACHIEVE NO NEW SQUARE FOOTAGE GROWTH



2015 iCAP

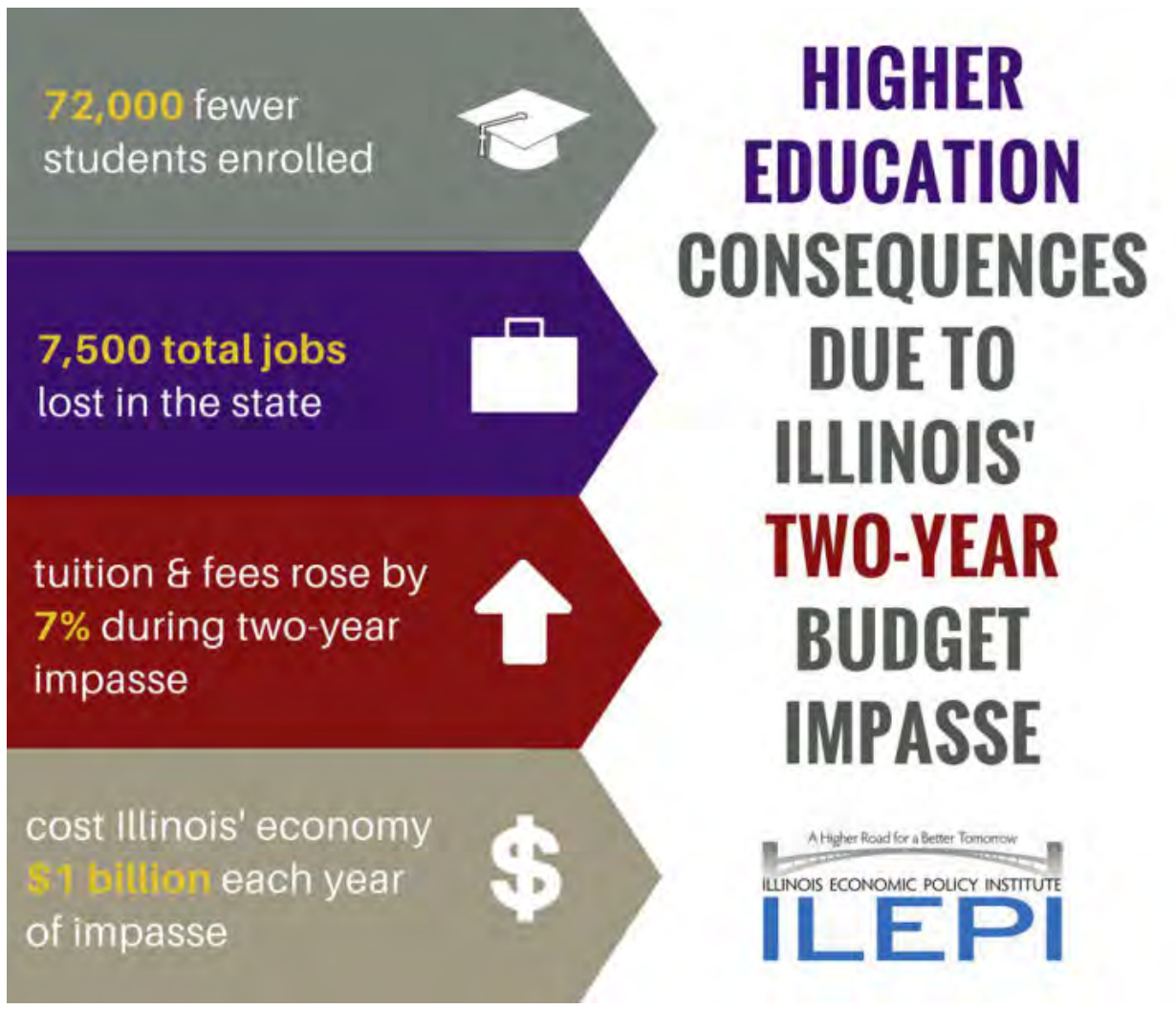
## Illinois Climate Action Plan

*University of Illinois at Urbana-Champaign*



# SET AMIDST A CHALLENGING LANDSCAPE

- 2015-2017 Illinois Budget Impasse
- Interim Chancellor, President and Provost
- Aging Facilities, Deferred Maintenance





An aerial photograph of a university campus. In the center is a large, green, rectangular quad with a cross-shaped path. At the top of the quad is a large, classical-style building with a prominent dome. The campus is surrounded by numerous trees, many of which have yellow and orange autumn foliage. Several other large, multi-story buildings are visible around the perimeter of the quad. The overall scene is a typical university campus during the fall season.

# PROMOTING AN ALIGNED FUTURE STRATEGY



# A TRANSFORMATIVE PLANNING PROCESS

OPEN. TRANSPARENT. INCLUSIVE.



43

Stakeholder Interviews



8

Student Outreach Sessions



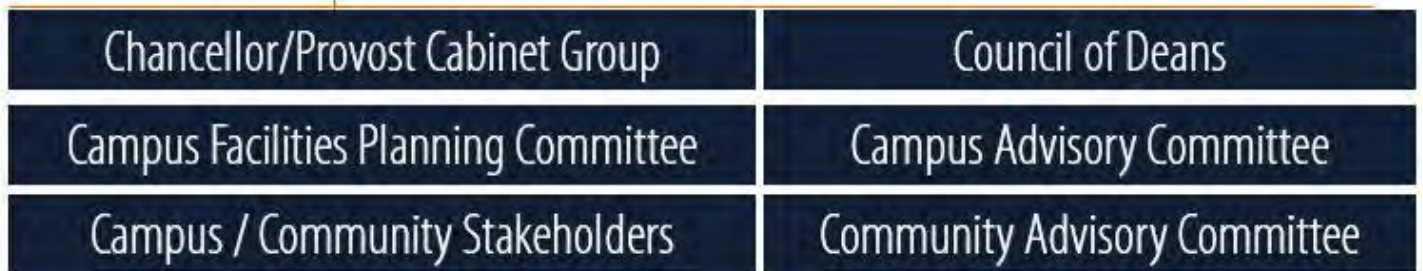
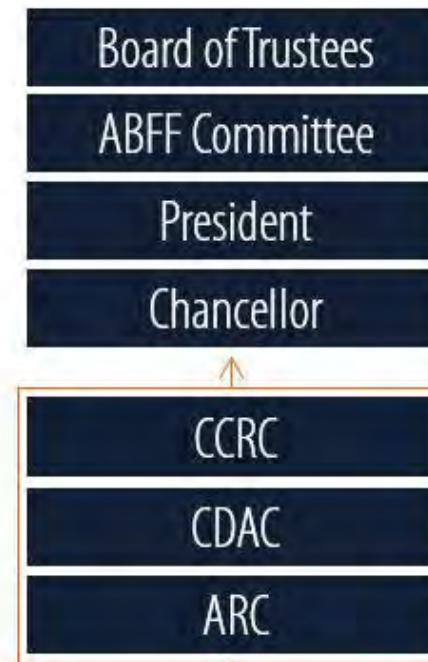
79

Committee Meetings



6

Public Forums



Interactive Master Plan Website:

<https://www.fs.illinois.edu/services/capital-programs/campus-master-planning>



# SHARED PLANNING THEMES

## MASTER PLAN DRIVERS – ISSUES AND OPPORTUNITIES

### Reinforce the Campus Core

- The quality of the academic environment

### Discovery and Collaboration

- The caliber, quantity, and connectivity of research programs, facilities, and land

### Access and Connectivity

- Overcoming physical distance on campus

### Student-Centered Campus

- The quality of Student Life programs

### Neighborhood Identity

- The quality and physical organization of the campus environment



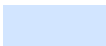





### iCAP Goal - Net Zero Growth

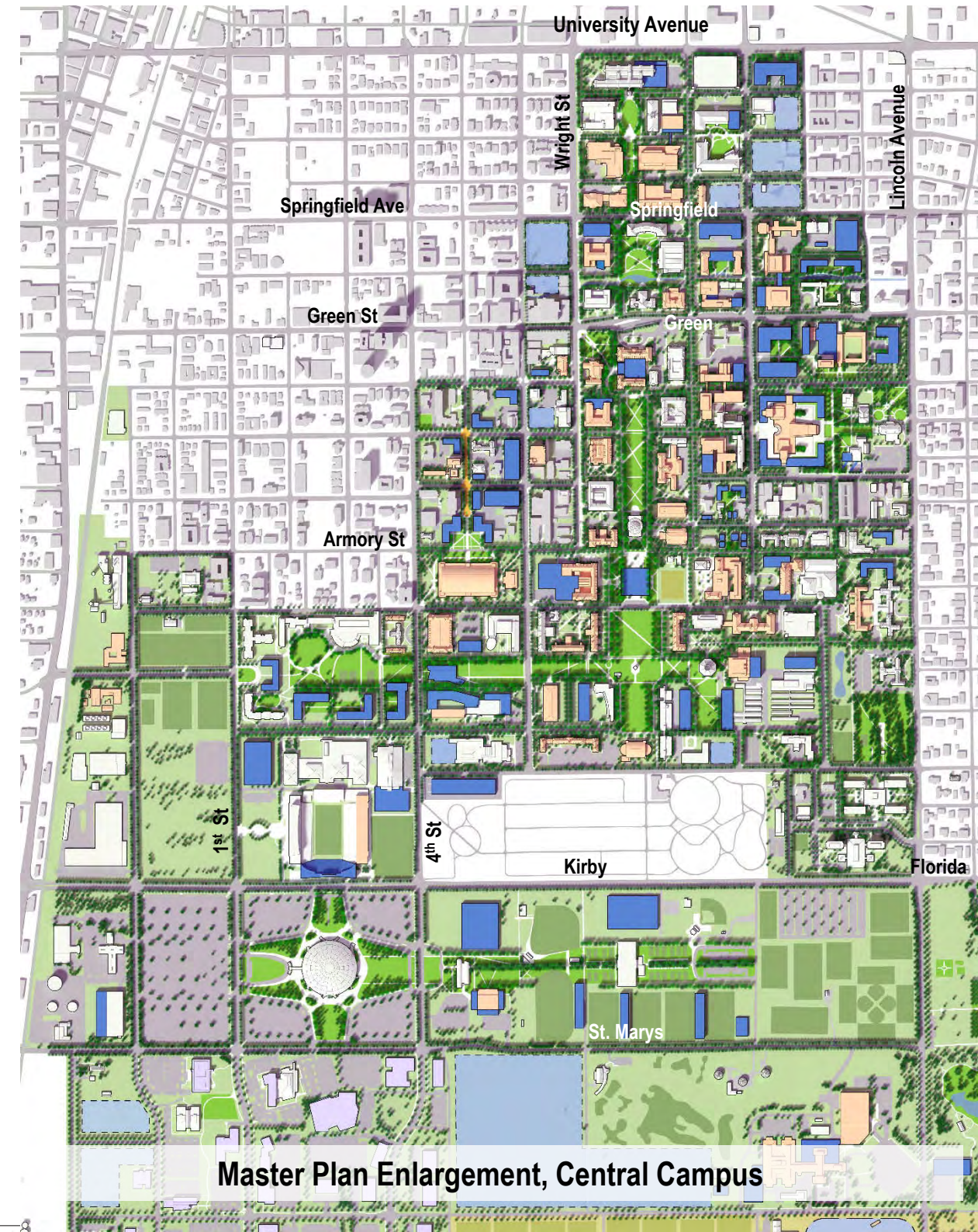
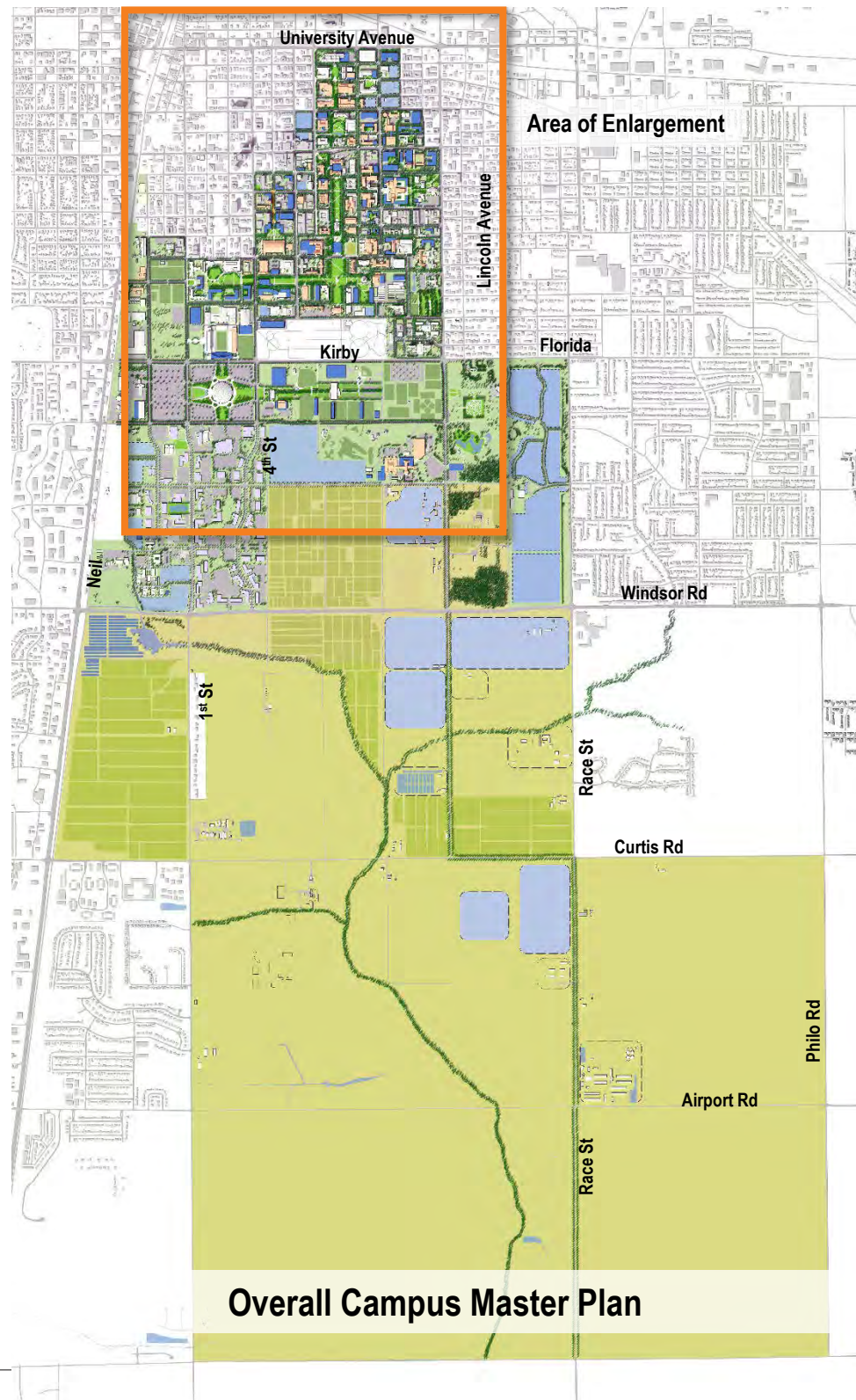
- Balancing campus growth and renewal in support of iCAP goals and fiscal responsibility





# CAMPUS MASTER PLAN

-  Illinois Existing Building
-  Illinois Proposed Building
-  Proposed Research Park Building (2012 RP MP)
-  Proposed Building Renovation
-  Future Development Zone
-  Campus Landscape
-  Athletic / Recreation Field
-  Memorable Open Space

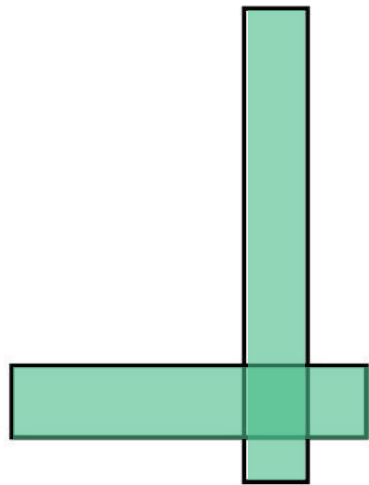




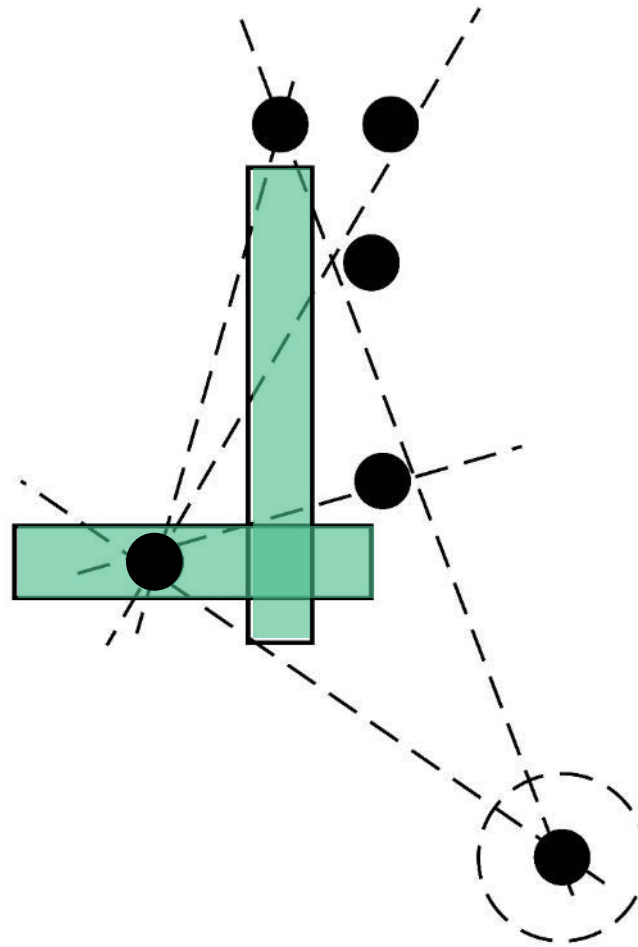
# CAMPUS MASTER PLAN

## ORGANIZING PRINCIPLES

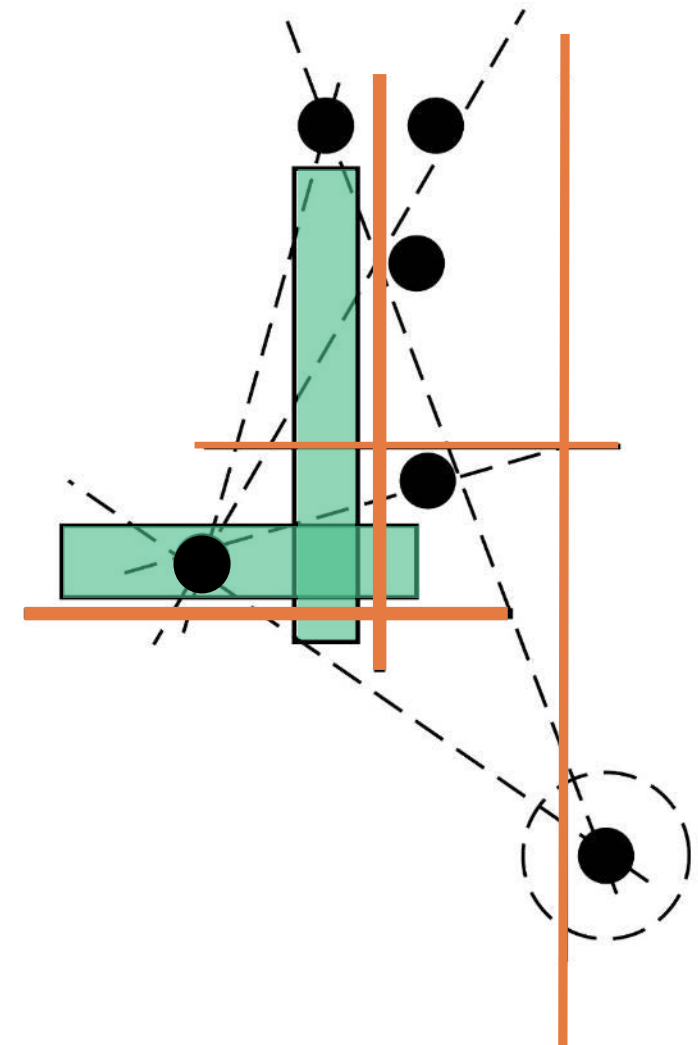
### REINFORCE THE CORE



### COLLABORATE



### CONNECT





# REINFORCE THE CORE

HISTORIC MAIN QUAD AND MILITARY AXIS





An aerial photograph of a university campus. In the center is a large, green lawn with a cross-shaped path. At the top of the lawn is a large, classical-style building with a prominent dome. The campus is surrounded by numerous trees with green and yellow foliage, suggesting an autumn setting. Several other buildings are visible around the perimeter of the lawn. The overall scene is a well-maintained academic environment.

**ALIGNING SPACE NEEDS WITH NO NET NEW SPACE**



# CAMPUS-WIDE NET ASSIGNABLE SF BY SPACE TYPE

## FACILITIES INVENTORY AND CLASSIFICATION MANUAL (FICM) SPACE CODE

**Health Care:** Patient care areas that are located in organized, budgeted health care facilities: student infirmaries and centers, teaching hospitals, stand-alone clinics run by hospitals, and veterinary and medical schools.

**Classroom:** A room or space used for instruction classes and is not tied to a specific subject or discipline by equipment in the room or the configuration of the space.

**Study:** A room or area used by individuals to study at their convenience, not being restricted to a subject or discipline by contained equipment.

**Teaching Labs:** A space used for scheduled instruction (including associated mandatory, but non-credit-earning laboratories) that require special purpose equipment or a specific space configuration for student participation, experimentation, observation, or practice in an academic discipline.

**General Use:** General use facilities comprise a campus general service or functional support system (e.g., assembly, exhibition, dining, relaxation, merchandising, recreation, general meetings, day care) for the institutional and participant community populations.

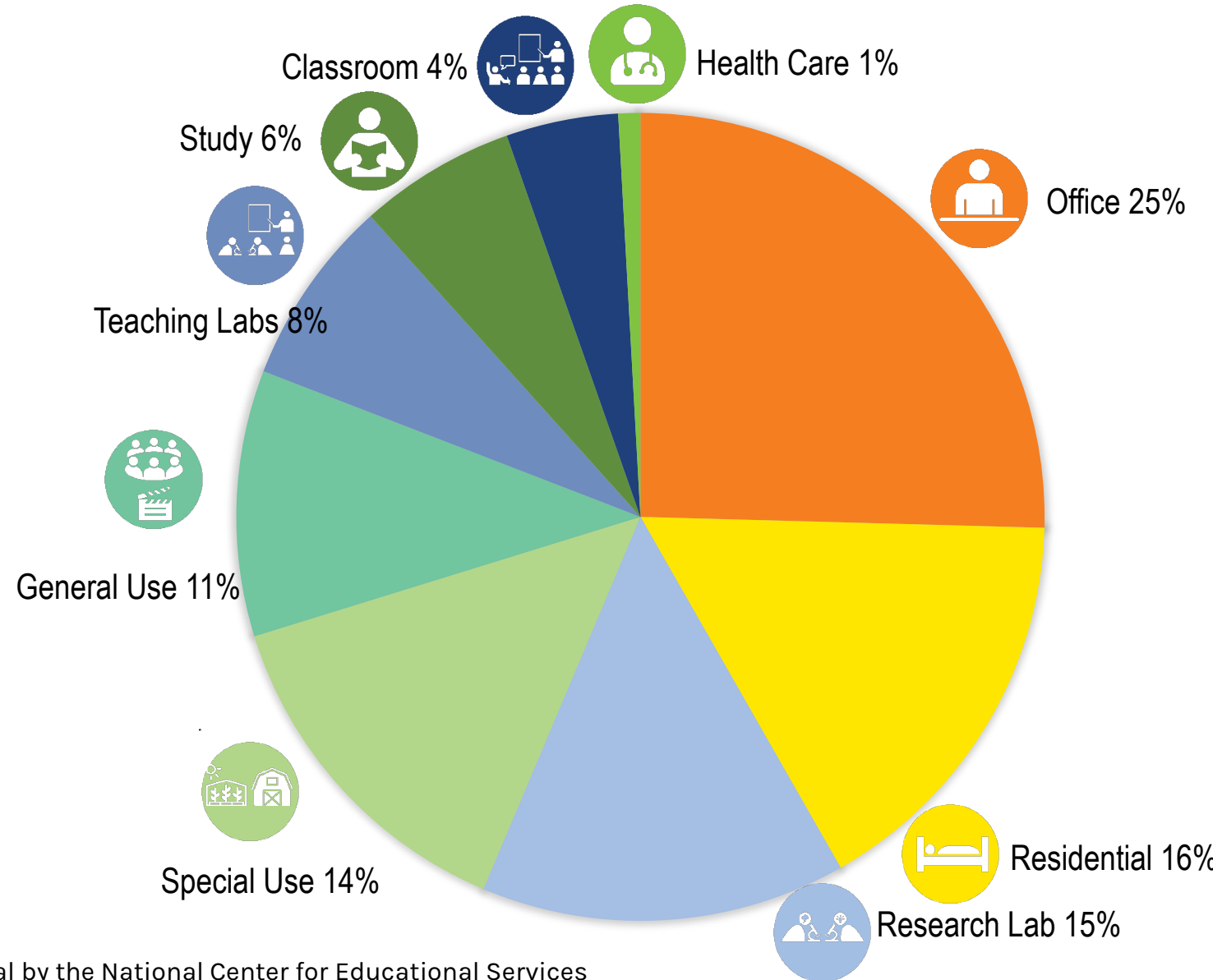
**Special Use:** Areas and rooms for military training, athletic activity, media production, clinical activities (outside of separately organized health care facilities), demonstration, agricultural field activities, and animal and plant shelters are included.

**Research Lab:** A space used for laboratory experimentation, research, or training in research methods; professional research and observation; or structured creative activity within a specific program or for sponsored research.

**Residential:** Residential facilities include housing for students, faculty, staff, and visitors to the institution.

**Office:** A space housing faculty, staff, or students working at one or more desks, tables, or workstations.

2015 Space Type by Percentage – 11,575,706 NASF Total



\*Definitions from the Facilities Inventory and Classification Manual by the National Center for Educational Services

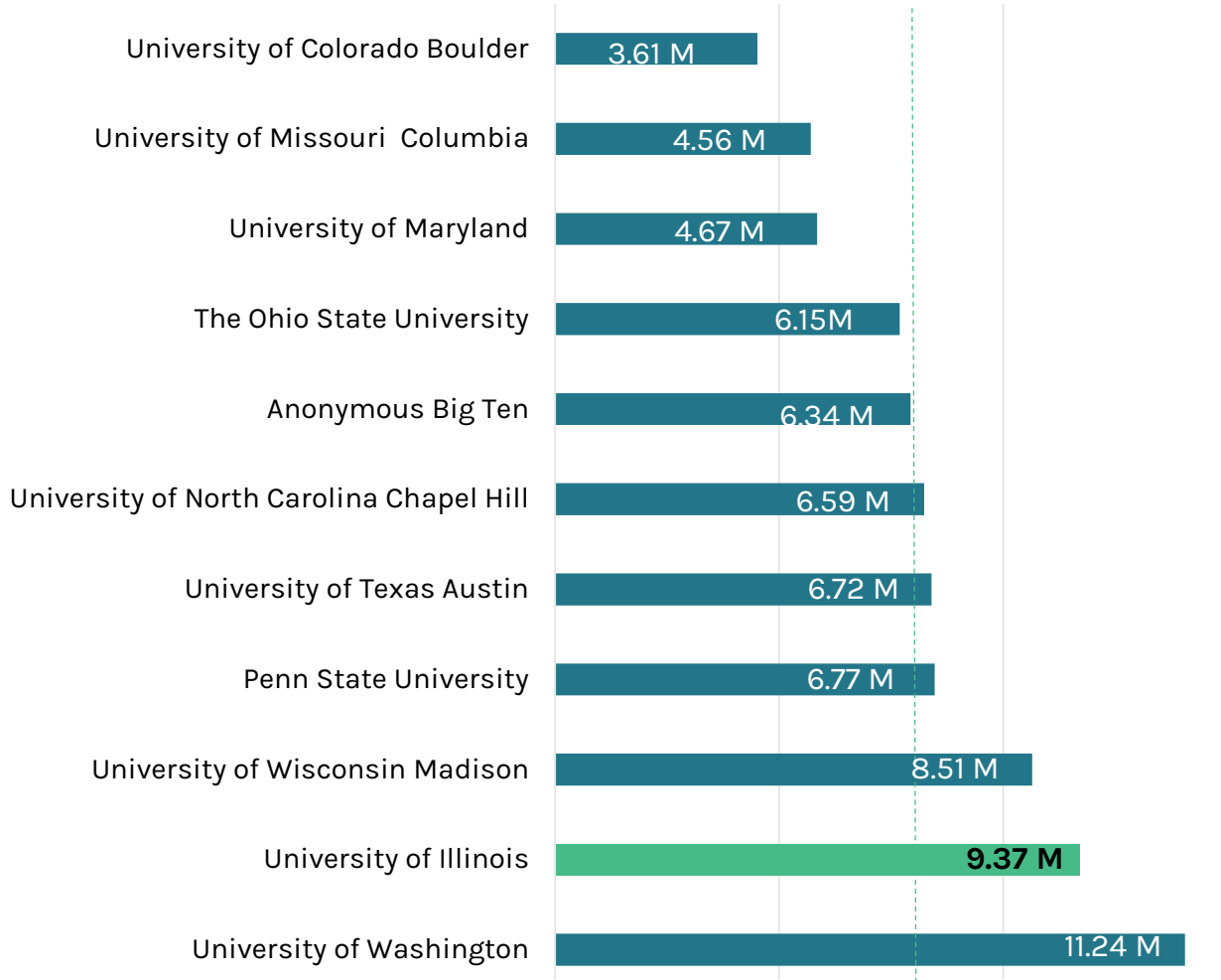


# PEER UNIVERSITY COMPARISON

## (NON-RESIDENTIAL) ASSIGNABLE SQUARE FEET (ASF) V. TOTAL STUDENT FTE

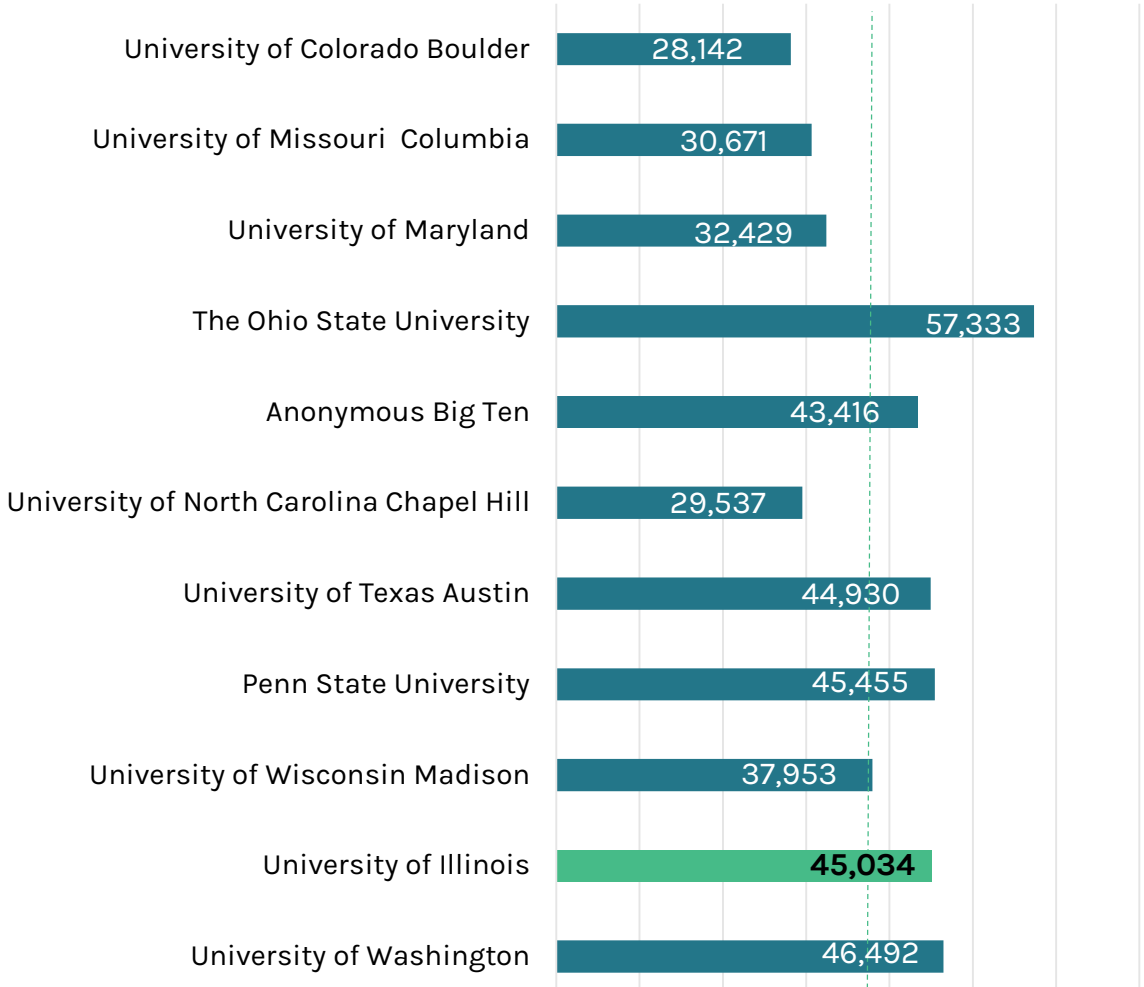
Total ASF

6.78 M ASF Ave.



Student FTE

40,127 Ave. Student FTE



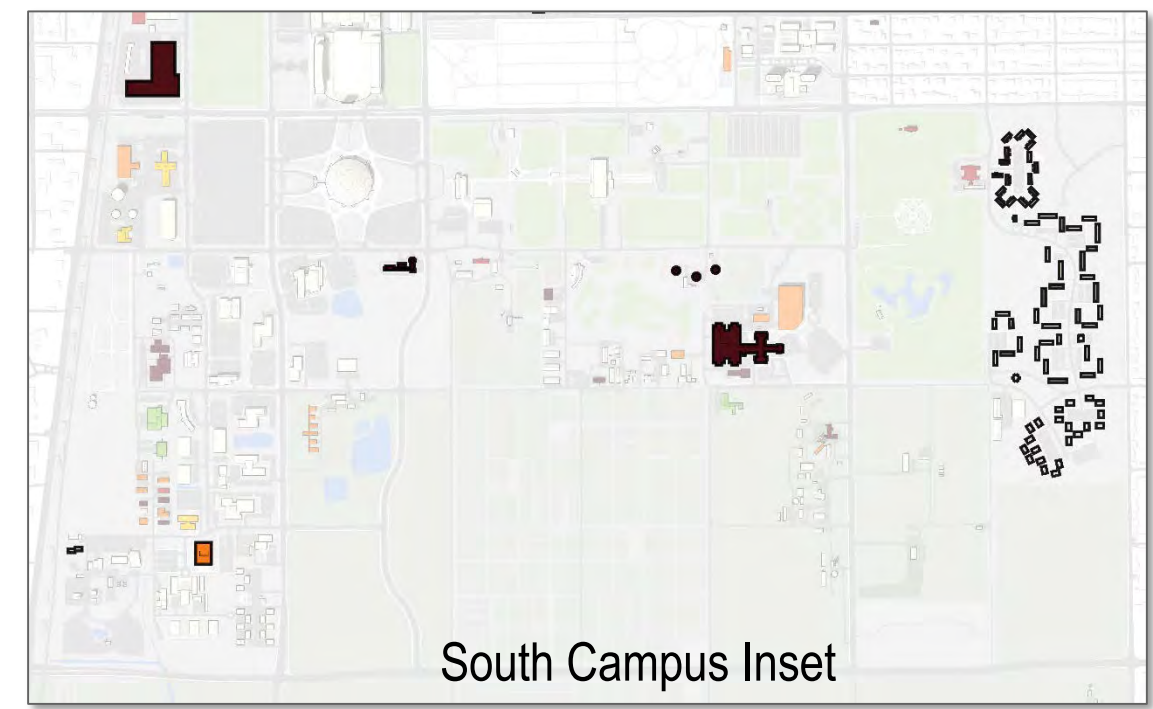
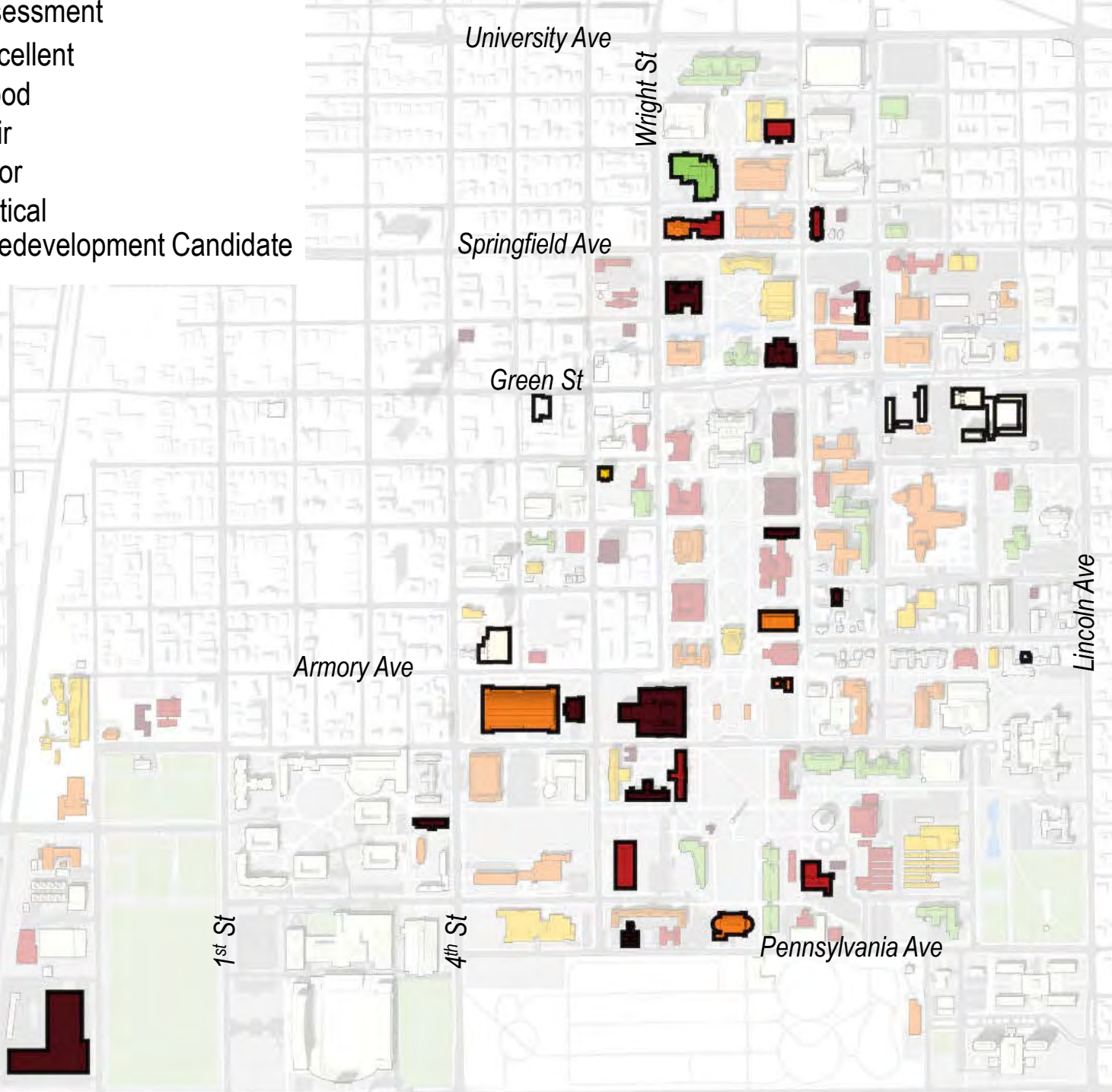
2015





# FY2011 FACILITY CONDITION INDEX (FCI)

FCI	Assessment
0-5%	Excellent
5-10%	Good
10-30%	Fair
30-50%	Poor
50%+	Critical
White outline	Renovation / Redevelopment Candidate

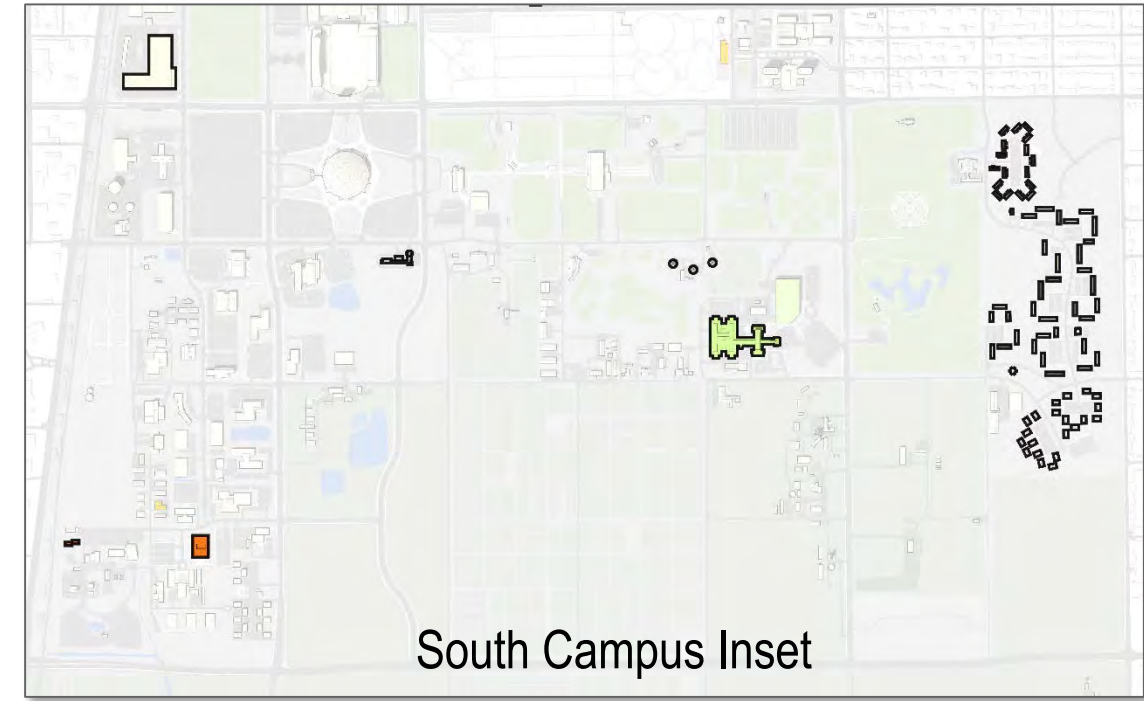
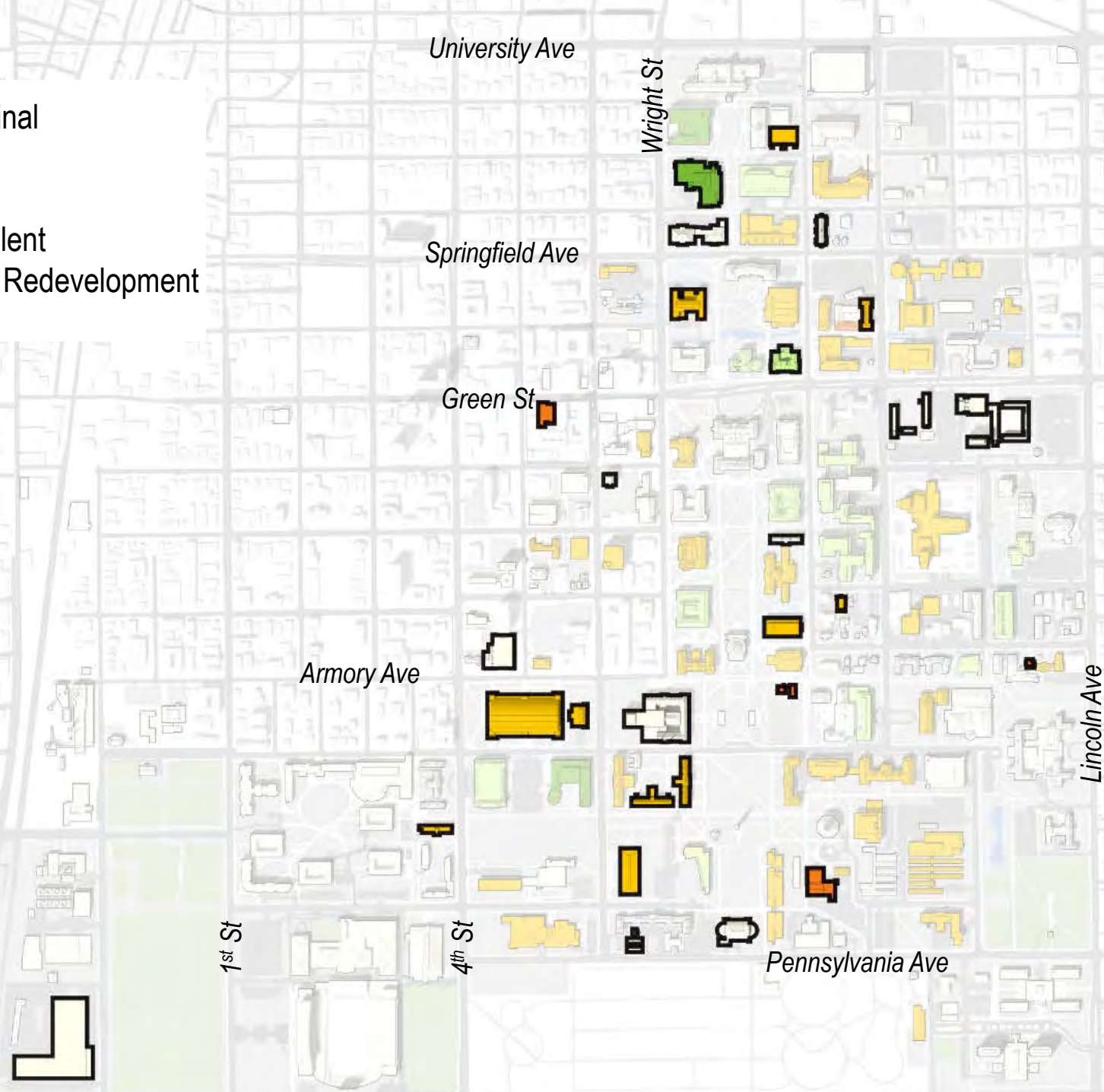




# QUALITATIVE ASSESSMENT (EDUCATIONAL ADEQUACY)

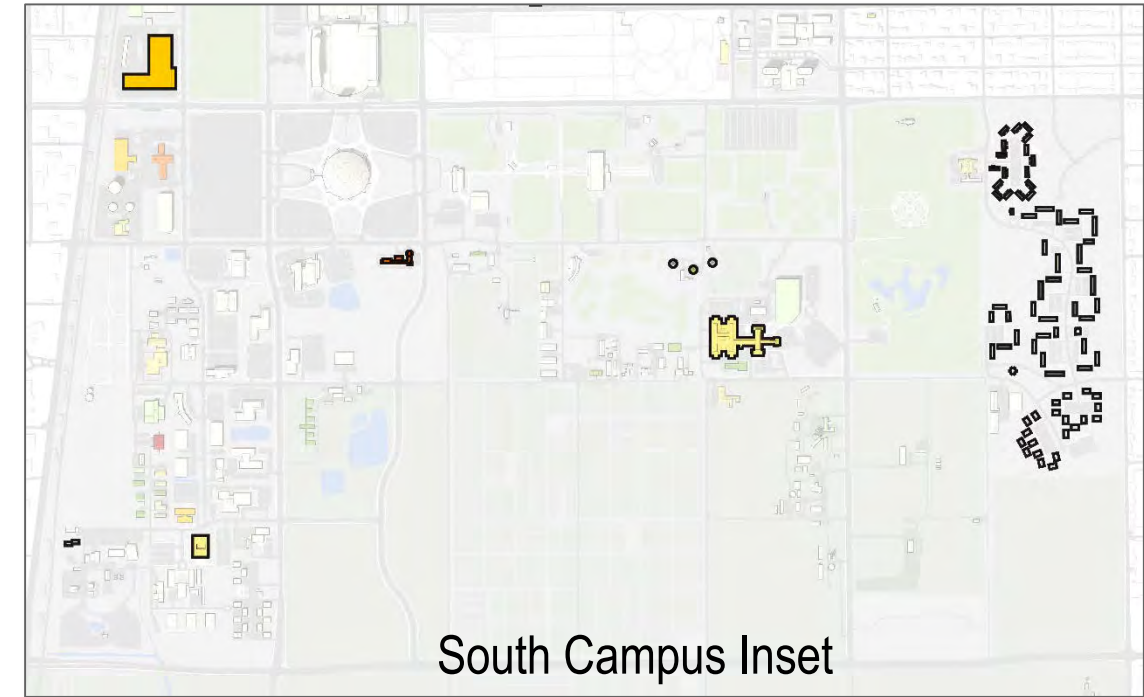
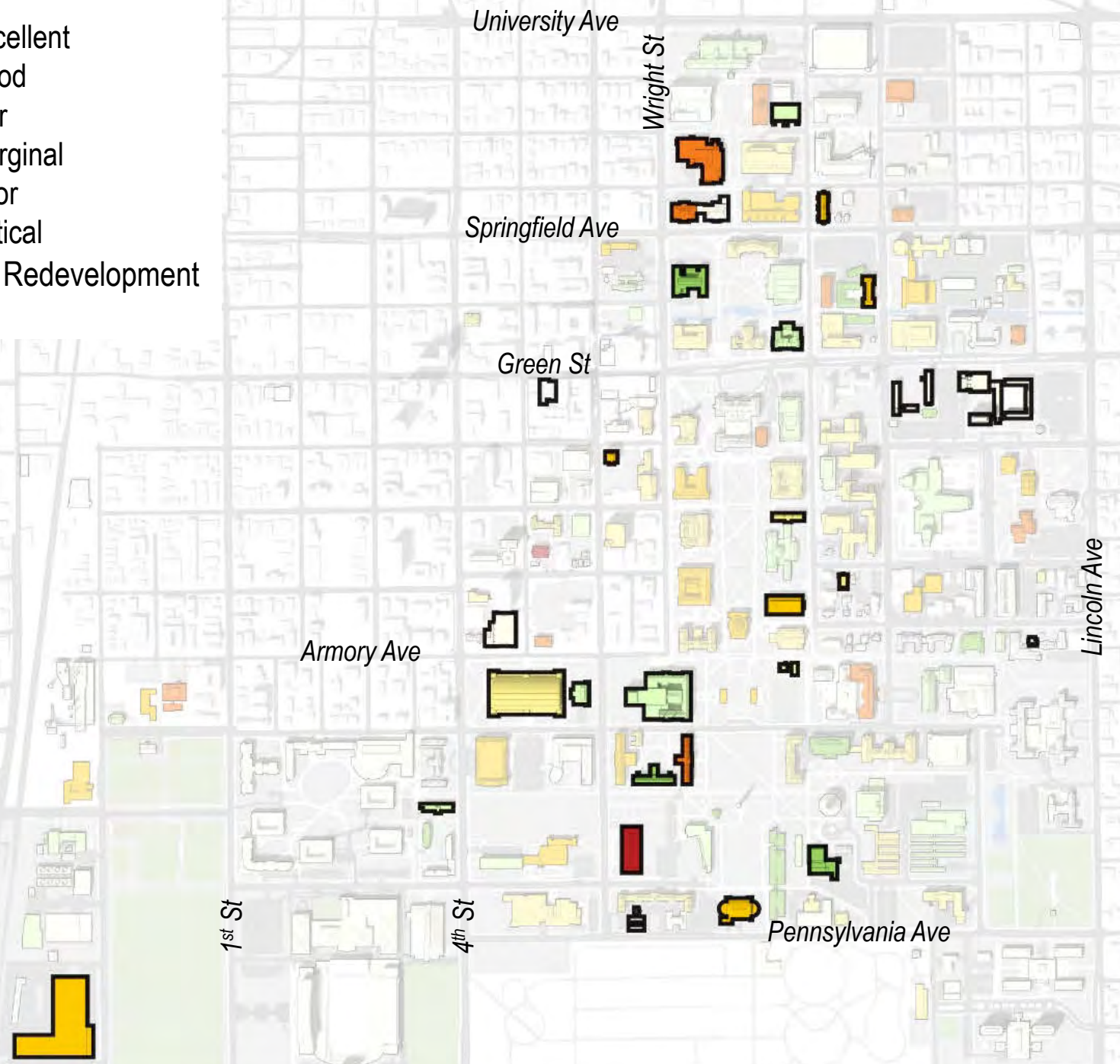
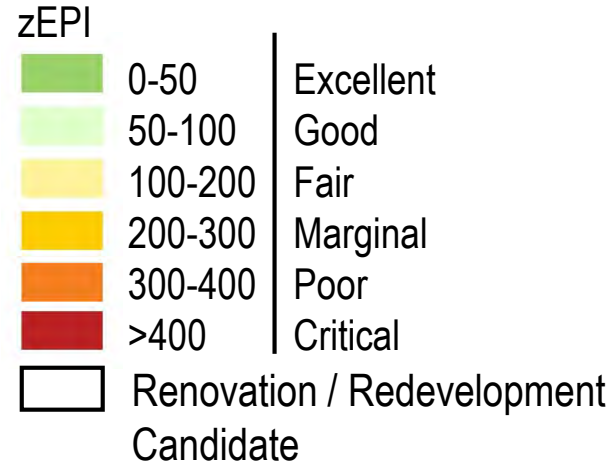
## OVERALL BUILDING RATING

- 2 – 2.9 Marginal
- 3 – 3.9 Fair
- 4 – 4.9 Good
- 5 Excellent
- Renovation / Redevelopment Candidate





# ZERO ENERGY PERFORMANCE INDEX – ZEPI





An aerial photograph of a university campus. In the center is a large, green, rectangular quad with a cross-shaped path. At the top of the quad is a large, classical-style building with a prominent dome. The campus is surrounded by numerous trees, many of which have yellow and orange autumn foliage. Several other large, multi-story buildings are visible around the perimeter of the quad. The overall scene is bright and clear.

# LESSONS LEARNED AND EARLY SUCCESSES

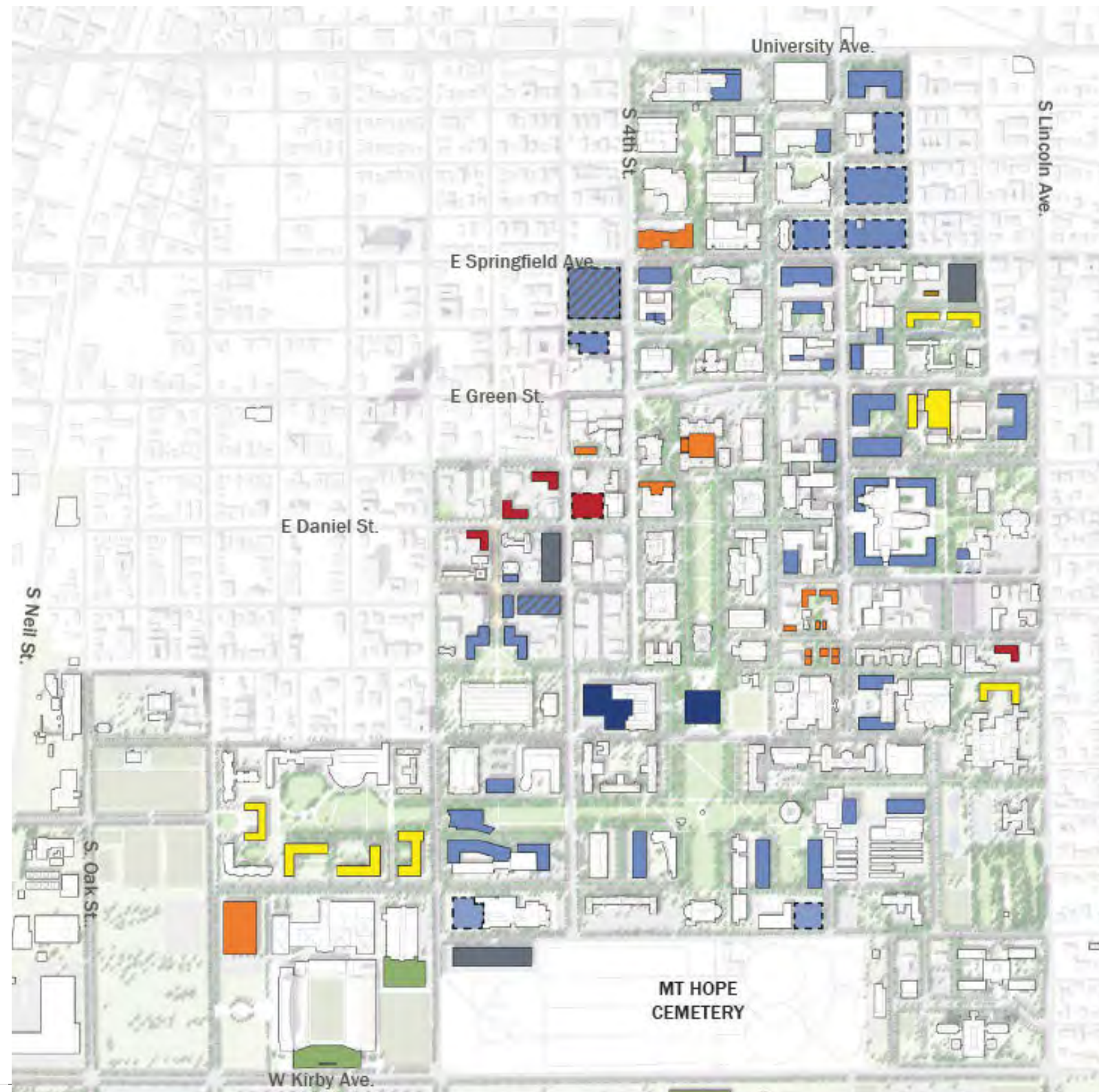


# 2017 CAMPUS MASTER PLAN

## PROPOSED BUILDING / LAND USE

### Legend:

- Academic / Research / Administrative
- Student Affairs
- Residential
- Athletics
- Mixed-Use
- Parking
- Library





# ICAP GOAL – NET ZERO GROWTH

BALANCING FUTURE GROWTH AND RENEWAL WITH ICAP GOALS AND NO NET NEW SQUARE FOOTAGE

## Reduce

Reduce Supply - **remove obsolete structures**

Reduce Demand - **increase utilization, share resources**

## Reuse

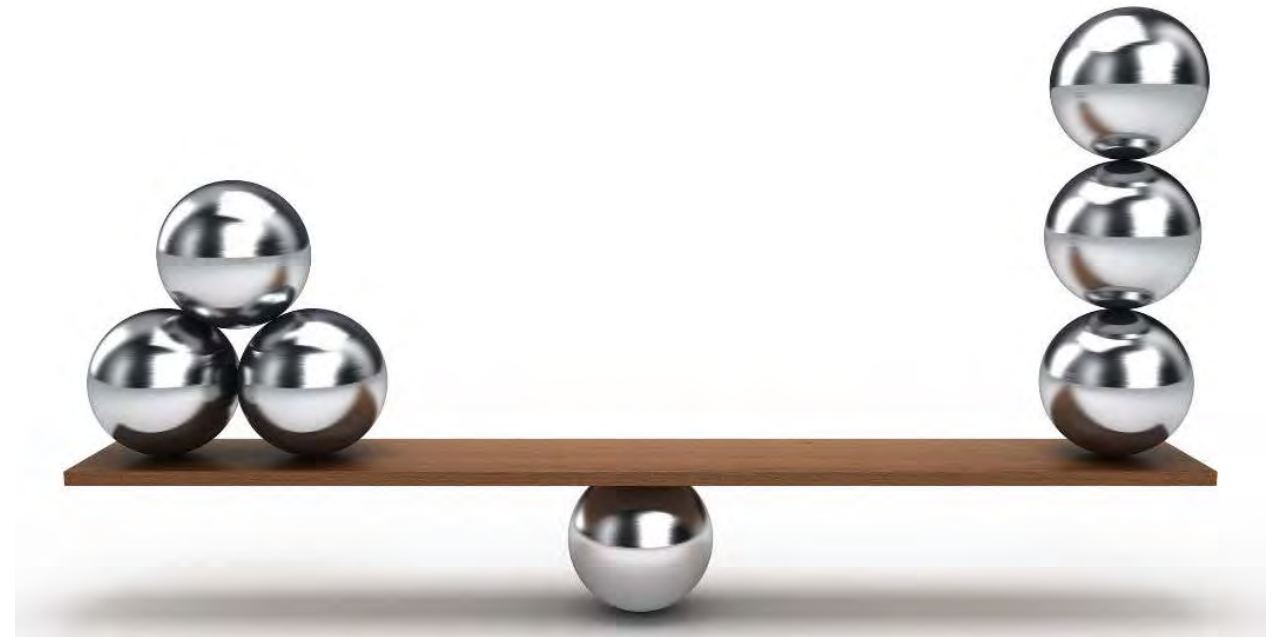
Renovate and right-size for greater flexibility and utilization

## Recycle

Re-purpose facilities to create a better functional fit

## Renew

Replacement space / new construction as state-of-the-art interdisciplinary facilities

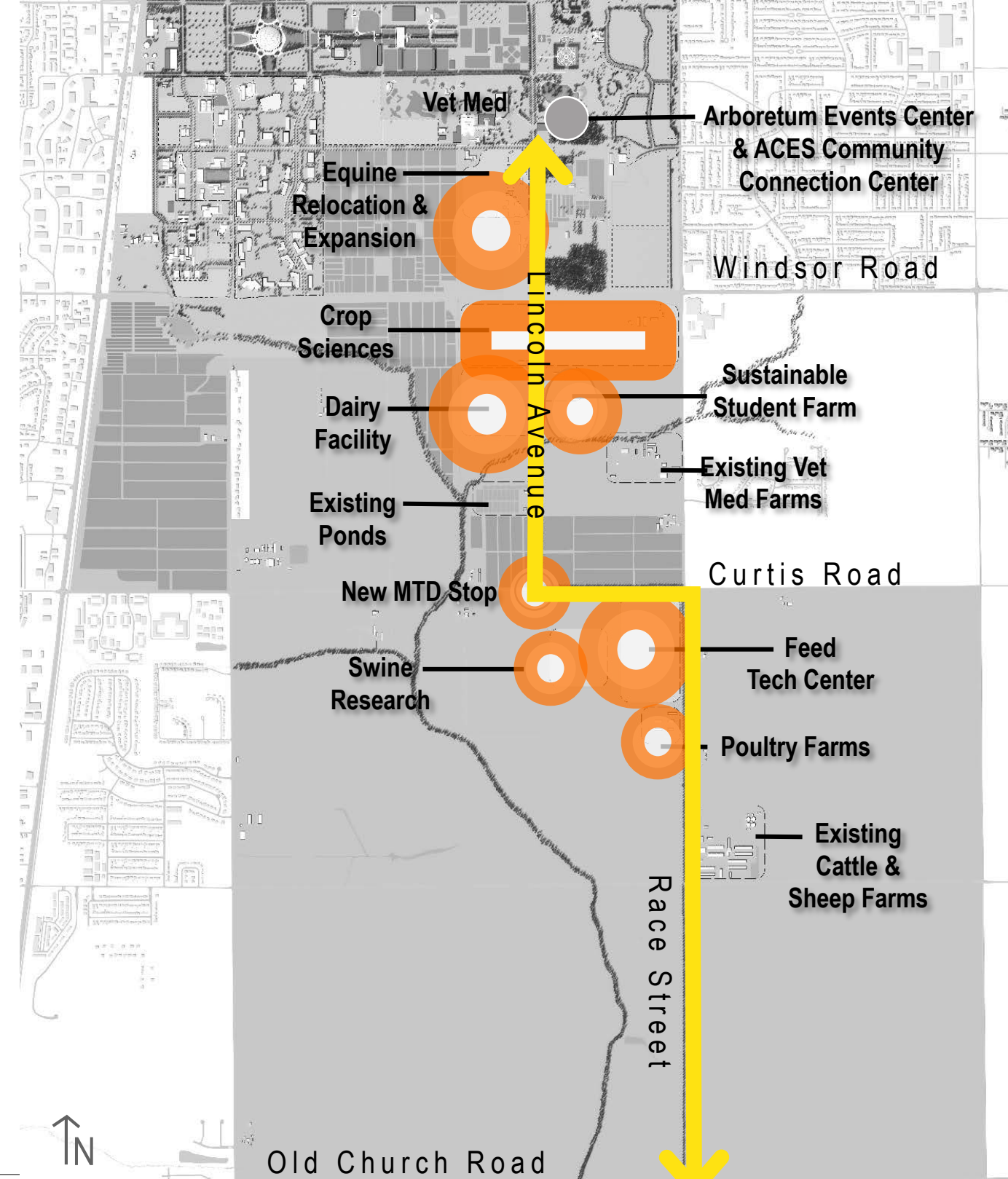
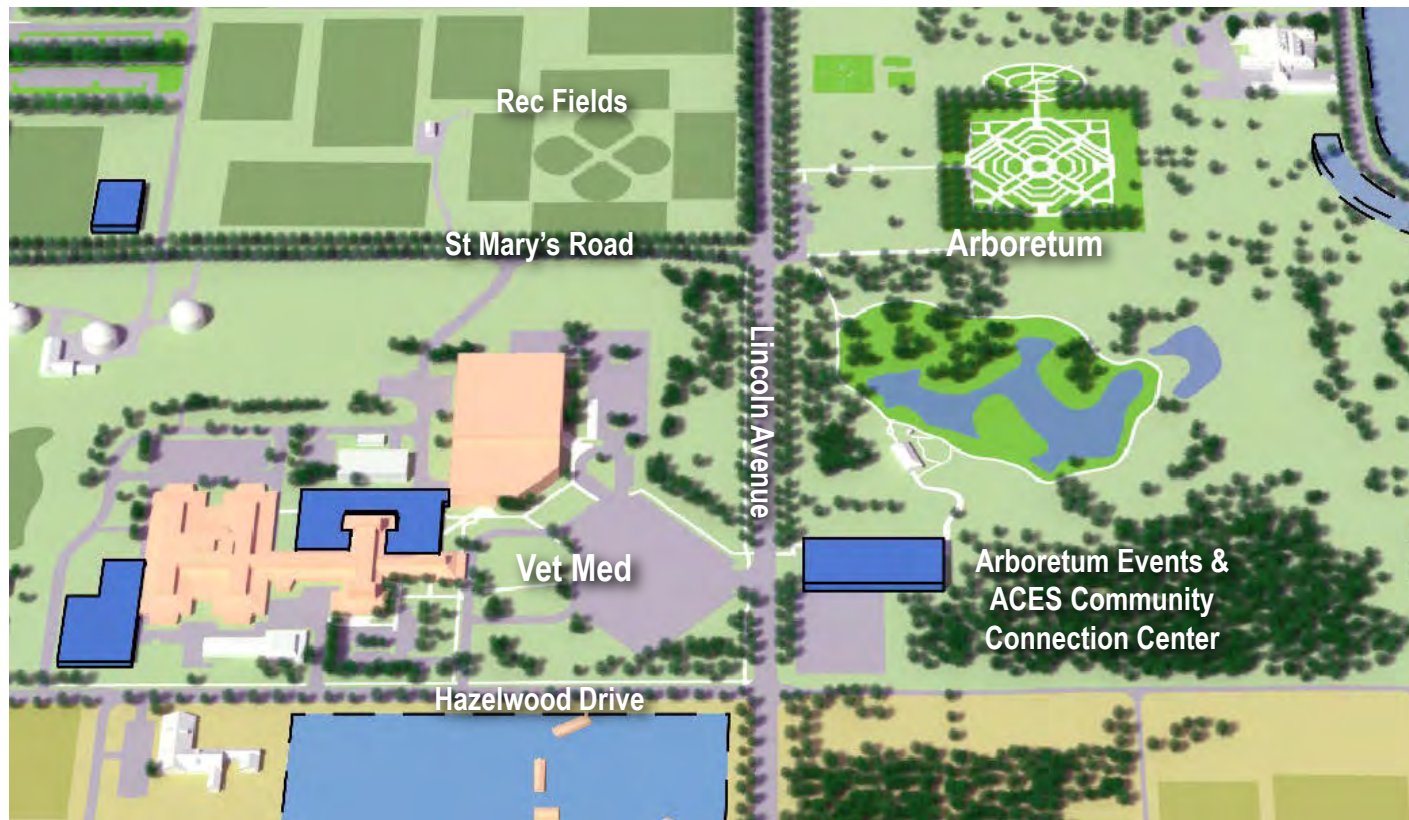




# EARLY SUCCESSES

## THE ACES LEGACY CORRIDOR

- Celebrates the Land Grant Mission with a “Legacy Corridor” along Lincoln Ave.
- Consolidate ACES functions along Lincoln Ave. to Race St.
- Create a new ACES Gateway with a Community Connection Center at Arboretum (joint use with Arboretum).
- Visitor Tour from Community Connection Center to Sustainable Student Farm.





# EARLY SUCCESSES

## FEED TECHNOLOGY CENTER



Apply

Make Gift

ABOUT ACADEMICS **RESEARCH** EXTENSION & OUTREACH INTERNATIONAL NEWS PEOPLE GIVING

Research Areas Research History **Facilities** Resources Safety and Compliance Civil Rights Staff

### Research

Research Areas

Research History

Facilities

Research and Education Facilities

Research Affiliates

Resources

Safety and Compliance

Civil Rights

Staff

## Feed Technology Center

The University of Illinois is a global leader in research and teaching in animal nutrition, animal sciences, and feed ingredient utilization. With a newly constructed, state-of-the-art Feed Technology Center, the University of Illinois and the College of Agricultural, Consumer and Environmental Sciences will be the national hub for new discoveries and advancement in animal management, nutrition, and production. The \$20-million facility is located at the University of Illinois South Farms.

To learn more about the Feed Technology Center or contribute to its development, [download our brochure](#) or contact the ACES Office of Advancement at [acesadvancement@illinois.edu](mailto:acesadvancement@illinois.edu) or 217-333-9355.





# EARLY SUCCESSES

## FEED TECHNOLOGY CENTER

ACES NEWS

### ADM invests \$2.5 M towards Illinois Feed Technology Center



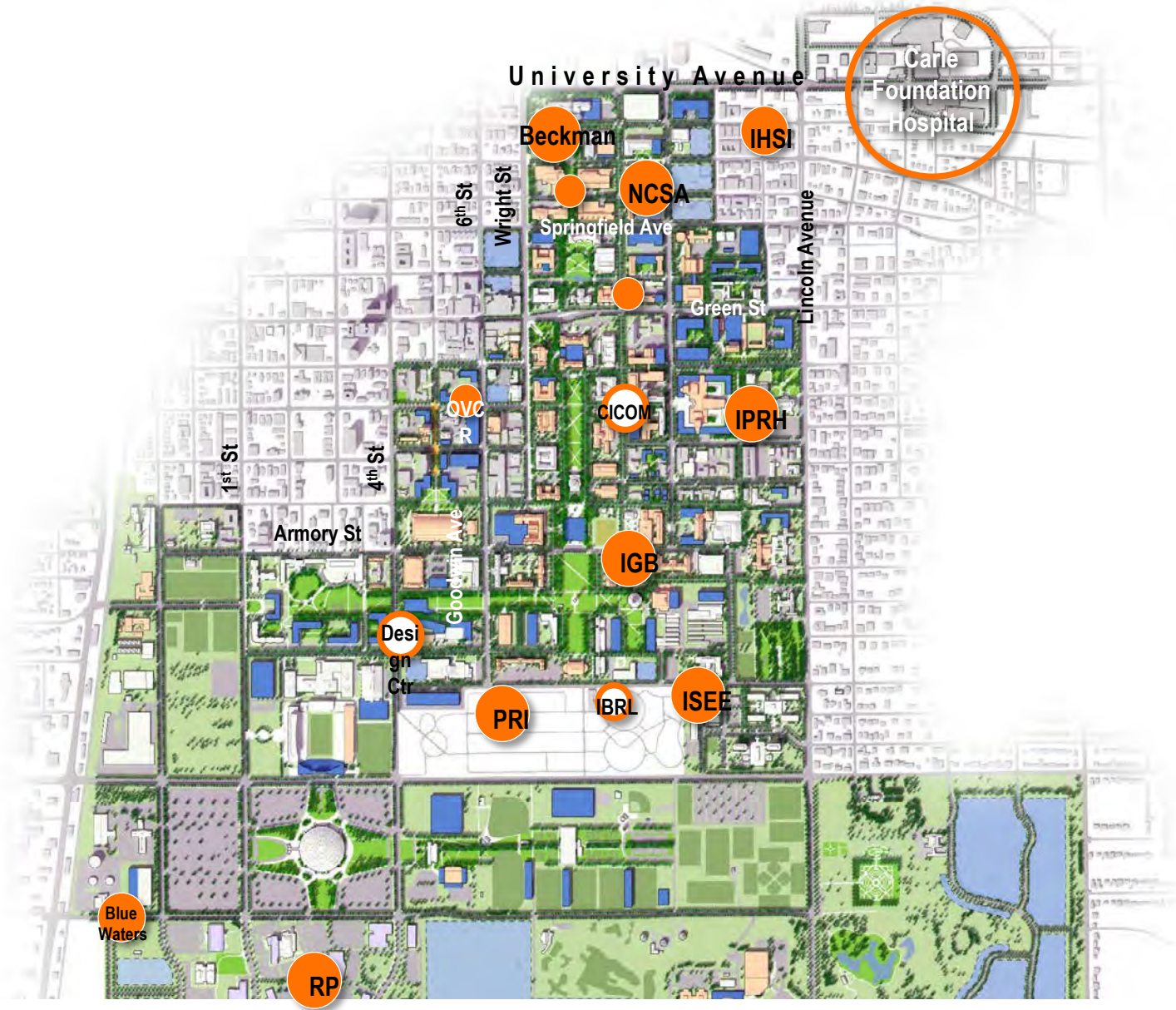
Left to right: Ryan Lane (ADM), Dean Kim Kidwell, Chancellor Robert Jones



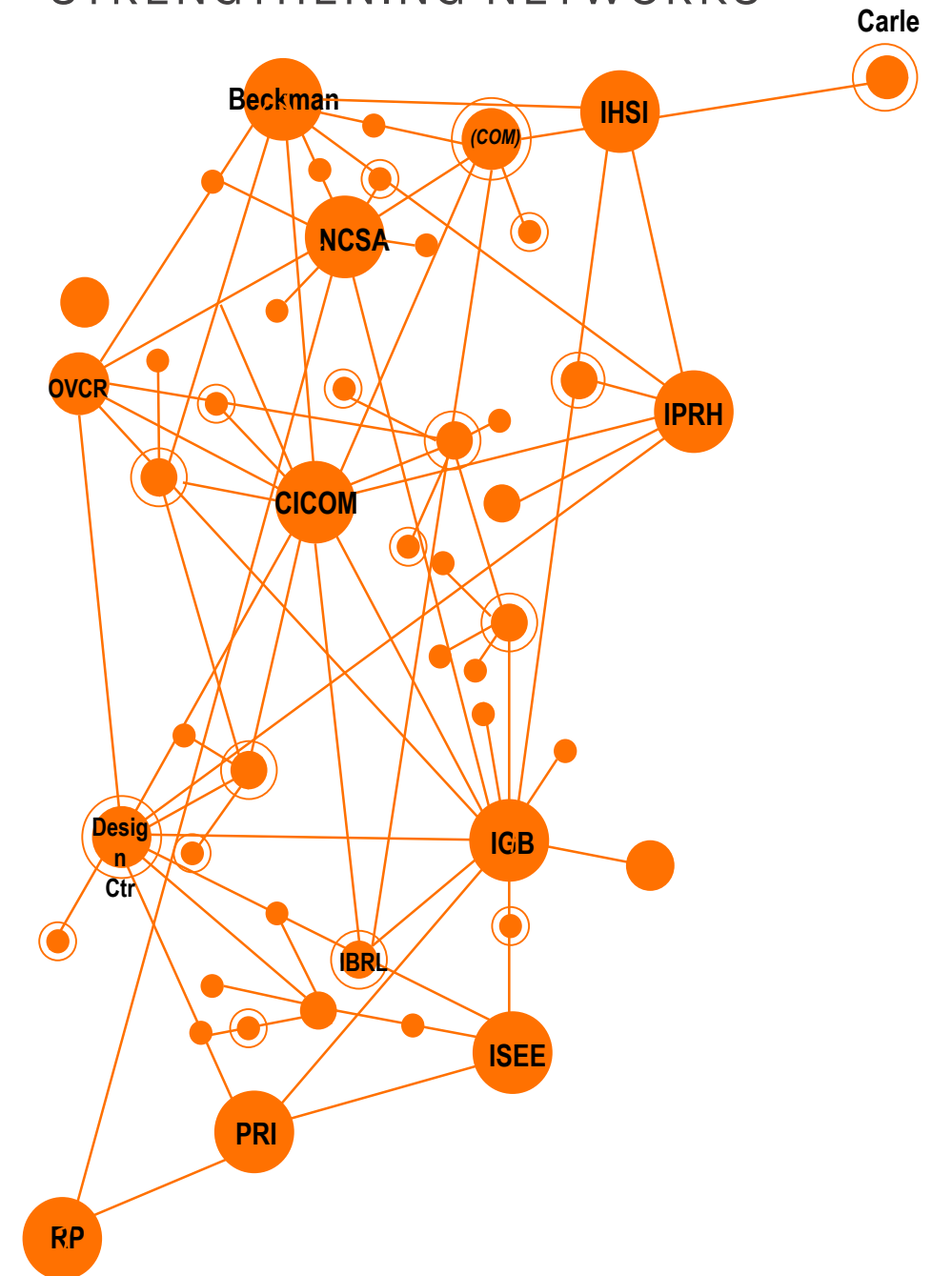


# EARLY SUCCESSES

## STRENGTHENING NETWORKS – DISCOVERY & COLLABORATION



## CONCEPTUAL DIAGRAM STRENGTHENING NETWORKS





# EARLY SUCCESSES

## CAMPUS INSTRUCTIONAL FACILITY




ILLINOIS NEWS BUREAU Research News ▾ Campus News ▾ About ▾

RESEARCH NEWS **CAMPUS**

### Campus Instructional Facility Project incorporates green design, public-private partnership

APR 10, 2019 8:30 AM | BY NEWS BUREAU | **CAMPUS**

[f](#) [t](#) [e](#)



*Groundbreaking for the Campus Instructional Facility Project will take place Friday, April 12 at 2 p.m. The first classes in the facility are planned for fall 2021.*

*Illustration by Skidmore, Owings & Merrill*



# EARLY SUCCESSES

- Redeveloped budget model
- Streamlined the project approval process
- Identified P3 opportunities
- Promoted inter college communication
- Encouraged cross college collaboration
- Began college level planning



# THE IMPACT OF PLACE

## TOMORROW'S UNIVERSITY TODAY

