

## Capital Improvements

### Higher Education Capital: Background

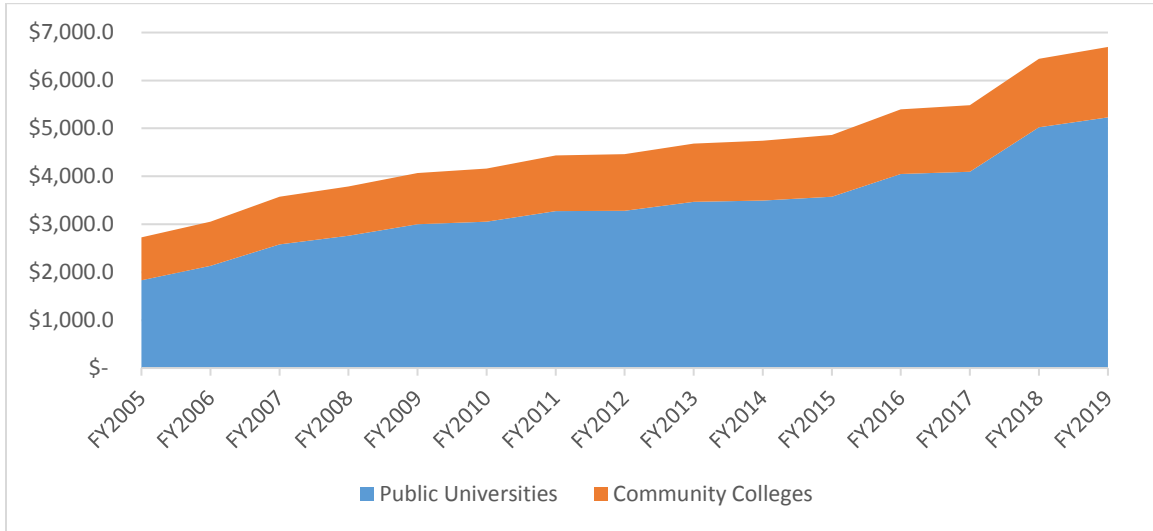
Each year, the Illinois Board of Higher Education collects and analyzes detailed information regarding the capital needs of public colleges and universities and makes annual budget recommendations to the Governor and General Assembly. Overall, the Board uses a set of established priority-setting criteria to make its recommendations which place priority on: (1) protecting the state's capital investments; (2) completing projects for which planning or partial funding has been provided; (3) addressing life, health and safety issues; (4) supporting Board of Trustees top priorities; (5) supporting priority needs for the state; and (6) meeting academic program requirements.

Since Fiscal Year 2000, capital renewal funding has been the top-ranked priority item in the Board's capital budget recommendations. Capital renewal funding provides support for critical remodeling and infrastructure improvements that maintain and protect the state's investment in educational facilities. An industry standard long acknowledged by IBHE is that facilities have a 50-year replacement cycle. This means that there needs to be an investment of two percent of the facility replacement cost annually to avoid building deferred maintenance backlog. The estimated total value of state-owned higher education facilities will be an estimated \$24.7 billion dollars at the end of Fiscal Year 2019. However, at least 30.9 percent of that value is in ancillary facilities, such as dorm and athletic facilities, which are not supported with state funds.

However, state funds do support \$16.9 billion dollars in higher education facilities, including IMSA and the University Center of Lake County. This means that there should be an investment of \$338.5 million in Fiscal Year 2020 to meet the industry standard and avoid building a deferred maintenance backlog. However, very little has been appropriated for higher education capital since Fiscal Year 2004. This lack of capital appropriations prevents colleges and universities from constructing new facilities to meet programmatic needs, forcing institutions to crowd classrooms and laboratories and inhibiting them from meeting student demand for courses and services. The effect is even more profound on existing, aging facilities as small problems grow into bigger problems and bigger problems eventually turn into emergency treats to health and safety or failure resulting in partial or even full campus closures.

The only substantial capital appropriations since Fiscal Year 2004 was in Fiscal Year 2010, when the Governor and the General Assembly approved the \$3.1 billion *Illinois Jobs Now!* capital program that included more than \$1.6 billion in new appropriations for nearly 120 higher education capital construction and renovation projects. While appropriations were approved for these projects, the actual release of funding was not immediately forthcoming due to the lack of available bond proceeds and the limited amount bonding authority authorized for Fiscal Year 2010. Some funding was released since Fiscal Year 2010 but the \$974.1 million in capital appropriations in the Fiscal Year 2019 budget was comprised entirely of previously funded projects which either were never released or never completed. (No new projects were funded in the Fiscal Year 2019 budget.) These projects included both new projects and capital renewal funding. With effectively no capital renewal support from the state since Fiscal Year 2004 and shrinking operations support from the state, the backlog of deferred maintenance has ballooned from \$2.7 billion in Fiscal Year 2005 to \$6.7 billion at the end of Fiscal Year 2019.

*Figure 19*  
**Public Higher Education Deferred Maintenance**



*In millions*

The situation has reached such a critical point that the Fiscal Year 2019 did include \$100 million specifically for emergency capital needs. As of February 18, 2019, **\$115.2 million** has been released against various appropriations to address projects on the IBHE emergency capital projects list. The emergency list still includes a significant number of projects. It is uncertain at this time how much more money will be available during Fiscal Year 2019 to address these emergencies. No new funding was identified to pay for these projects.

*Figure 20*  
**Needed Higher Education Capital Renewal Investment**

<b>Total Square Feet</b>	<b>71,739,730</b>
Average \$ per Square Foot	\$341.26
Total Value of University Facilities	\$24,481,575,213
<b>State Supported Square Feet</b>	<b>49,466,618</b>
Average \$ per Square Foot	\$342.18
Estimated Value of State Supported Facilities	\$16,926,246,303
2% Current Capital Renewal	\$338,525,000
1% Catch-up Funding	\$169,262,500
3% Capital Renewal Request	\$507,787,500
FY19 Deferred Maintenance	\$5,229,723,000
Estimated Years to Recovery at 1%	30.9
<b>Non-State Supported Facilities</b>	<b>22,273,111</b>
Average \$ per Square Foot	\$339.21
Estimated Value of Non-State Supported	\$7,555,328,910
% Non-State Supported Facilities	30.9%

Considering the problem of the deferred maintenance backlog, IBHE has requested an additional 1% of the replacement cost of state-owned facilities. It would take 30.9 years to erase the backlog if that additional investment was made.

### **Higher Education Capital Recommendations**

IBHE’s Fiscal Year 2020 Capital Budget Recommendations presented here include \$663.9 million for our top priority, capital renewal for public universities, community colleges, the Illinois Math and Science Academy and the University Center of Lake County, and \$1.48 billion for regular higher education capital projects. We also note the \$974.0 million in Fiscal Year 2019 capital appropriations (see Table 16). We continue to support the completion of these projects. As noted previously, all of the funded projects that received appropriations in the Fiscal Year 2019 budget were funded previously but never released or completed.

*Figure 21*

#### **IBHE Capital Recommendations Summary**

<b>Capital Renewal</b>	<b>\$663,889.7</b>
Public Universities	\$507,787.5
Community Colleges	\$150,200.0
IMSA	\$5,344.0
University Center of Lake County	\$558.2
<b>Regular Capital</b>	<b>\$1,479,743.7</b>
Public Universities	\$1,076,261.3
Community Colleges	\$351,827.4
IMSA	\$3,655.0
Escalations & Emergencies	\$48,000.0
<b>Fiscal Year 2020 Total</b>	<b>\$2,143,633.4</b>
<b>Fiscal Year 2019 Capital</b>	<b>\$974,082.9</b>
University Reappropriations	\$528,657.0
Comm. College Reappropriations	\$300,991.9
IMSA Reappropriations	\$4,434.0
Emergency Funding	\$100,000.0
CDB Funding	\$40,000.0

*In thousands*

### **Capital Renewal and Deferred Maintenance**

As was explained above, capital renewal has been the highest priority for higher education capital funding since Fiscal Year 2000. However, there has been little support for any kind of capital for higher education since Fiscal Year 2004. As a result the need for capital maintenance funding has grown substantially. The problem reached a point where the Fiscal Year 2019 budget included \$100 million specifically for emergency capital projects. Had there been even modest annual investments in capital renewal from the state over the previous 15 years, the situation would not have reached the point where universities and community colleges faced emergency situations. It is worth noting that while the higher education community is very pleased and thankful for the emergency funding, it is less than was received annually until Fiscal Year 2004.

The \$663.9 million recommendation is equal to three percent of the replacement cost of facilities. (The exception is the University Center of Lake County which is two because the facility is not as old.) This is comprised of two parts. The first is two percent to meet the standard investment the state should be making based on a 50-year replacement cycle. The second portion is one percent of replacement costs to help reverse the deferred maintenance backlog. The by institution calculations are found in Table 17.

### **Regular Capital Recommendation**

The Illinois Board of Higher Education's Fiscal Year 2020 regular capital budget recommendations total approximately \$1.5 billion. The principles used are outlined below. The list of project is found in Table 15. This list has changed little for many years since there has been little capital funding from the state.

### **Cost Escalation and Emergencies**

The Fiscal Year 2020 capital recommendations also include \$48 million for unanticipated cost escalation and emergencies. Funds designated for this purpose are utilized by the Governor's Office of Management and Budget (GOMB) and the CDB to fund annual inflationary cost increases that may occur as a result of projects on-hold, a lengthy construction process, or delays in the release of funds. Funds may also be utilized for emergency situations.

### **Selection and Prioritization of Recommended Regular Capital Projects**

The Board's *Higher Education Statewide Capital Policies and Priorities*, adopted in April 2004, serves as a guideline in selecting projects to be included in the budget recommendations. This ensures that recommended projects are consistent with and advance state and institutional priorities. Capital projects recommended for funding shall address a clearly demonstrated need related to special programmatic requirements, enrollment demands, and/or the condition of existing space. Once projects are selected for inclusion in the recommendations, a priority list is developed, indicating the order in which projects should be funded. Factors considered in developing these lists include whether:

- A commitment for a project has been made through prior appropriation(s) or authorizations;
- The status of an ongoing project for which planning or construction funds have been appropriated necessitates that funding be provided to complete the project in a timely fashion;
- The project addresses an emergency infrastructure problem, e.g. problems caused by fire or tornado damage; construction defects; or compliance with life, health, and safety code requirements;
- The project received a high ranking on a public university governing board's priority list, ICCB's priority list of community college projects, or IMSA's priority list;
- The location of the project on the IBHE's prior year's priority list to encourage multi-year, statewide planning through a "living priority" list. After a project is recommended to the Governor and General Assembly for funding, the Board endeavors to advance its position on the list until it is funded; and
- External funding sources are available or whether enrollment needs, academic/program needs, and statewide needs are evident.

IBHE staff works with the CDB to develop cost guidelines that provide colleges and universities with guidance on escalation rates by geographic region that are built into project cost estimates on an annual basis. Project cost estimates can be modified to reflect cost escalation factors, as well as changes in project scope and other unforeseen circumstances. Projects are rarely added or removed from the list unless an emergency need or situation arises or a university receives funding received through alternative sources or decides to withdraw the project.

## Capital Improvement Projects – Institutional Detail

The following pages provide additional information regarding the Fiscal Year 2020 recommended capital projects for public universities, the University Center of Lake County, and IMSA.

### *CHICAGO STATE UNIVERSITY Fiscal Year 2020*

<u>Total Recommendation</u> \$42.1 million	<u>Regular Capital Projects</u> \$27.8 million	<u>Capital Renewal Projects</u> \$14.3 million
---	---	---

#### **Regular Capital**

**Nursing Lab (Simulated Hospital) (\$15.8 million)**. The university is requesting funds to continue the renovation of Douglas Hall for the College of Health Sciences on the second floor. In prior fiscal years, the State has released a portion of the funds for the renovation of Douglas Hall (the State provided \$5 million in Fiscal Year 2007 to begin the renovation on the third floor, \$4 million in Fiscal Years 2011 and 2012 for critical roof and building envelope repairs, and \$2.5 million in Fiscal Year 2015 to finish the third floor). This has resulted in completed phases of this renovation to include the Exterior Roof and Building Envelope and Third Floor College of Pharmacy. The University is seeking \$15.8 million for various infrastructure upgrades in the Williams Science Center including remodeling and upgrading of classrooms, instructional areas, and laboratories, and will enable the Departments of Biology, Chemistry, and Physics to fulfill their departmental goals of maintaining excellence in teaching and research as well as meeting the university mission of providing university level competencies.

**JDC Pool/Building HVAC Upgrades (\$6.8 million)**. The Jacoby Dickens Center (JDC) building was constructed in 1972. The building's HVAC systems were not designed to provide air conditioning to all areas in the building. The existing air handling units that serve the gymnasium are heating only units that can provide a comfortable space temperature during heating season, but are not equipped with cooling coils to provide air conditioning when needed. The Swimming Pool Natatorium HVAC is provided by two separate systems. The pools and deck area HVAC is provided by two dehumidification units. Both HVAC systems can provide heat and ventilation to control space temperature during heating season, but neither can provide cooling. It is possible to upgrade both HVAC systems that serve the Swimming Pool Natatorium to provide cooling and control space temperature year round. This project also is a high priority on the IBHE emergency capital projects list.

**Library Exterior Repair (\$5.2 million)**. The University received a total of \$35.0 million in Fiscal Year 2000 and Fiscal Year 2002 to construct a new academic library. The new building was delivered over two years late with pending litigation between consultants, contractors and the Capital Development Board. The project incurred cost increases and a significant portion of the construction was value engineered leaving the need to remediate building functionality deficiencies, construction omissions, design omissions, code compliance and water infiltration issues which have now caused deterioration and unsafe conditions. The library areas contain safety hazards which are in need of remediation, including exterior building materials which are inappropriate for outdoor use. These materials, due to exposure and improper drainage, are deteriorating and falling from the exterior. The university is requesting \$5.2 million to address these problems. The total project cost is \$5.5 million.

## **Capital Renewal**

### **Capital Renewal Projects (\$14,290,700)**

This recommendation includes funding to address infrastructure repair and maintenance requirements and to upgrade academic and instructional space. Specific projects included in the University's Fiscal Year 2020 request include installation of an integrated fire and security system, replacement of sinking light poles, and roof repair and replacement

**EASTERN ILLINOIS UNIVERSITY**  
**Fiscal Year 2020**

<u>Total Recommendation</u> \$140.3 million	<u>Regular Capital Projects</u> \$124.7 million	<u>Capital Renewal Projects</u> \$15.6 million
--	--	---

**Regular Capital**

**New Science Building (\$118.8 million)**. The University's top priority in Fiscal Year 2020 is to construct a new science building. The University's recently updated Campus Master Plan, identified the need for a new science building to house biology and chemistry departments and include teaching and research laboratories, general classroom space, greenhouse and exterior plant biology facilities. These academic departments are experiencing serious space deficiencies and outdated equipment. The proposed new 104,300 gross square footage facility would contain building equipment and systems to provide adequate ventilation, fume control, plumbing, hazardous waste control, lighting and sound control. The building would also centralize animal care facilities currently housed in two campus buildings. The University proposes to locate the building on a site that is university owned.

**Rehabilitate Life Science/Coleman Hall HVAC and Plumbing, Escalation (\$1.7 million)**. \$5.4 million in the Fiscal Year 2020 capital funding has been released for this long delayed project which has reached an emergency situation. However, there have been significant cost escalations since it was originally funded in Fiscal Year 2010. This recommendation provides for \$1.7 million to address inflation needs for the project from the original request. The project would replace the ventilation units, air handling units and cooling and heating coils throughout the structures. Temperature control instrumentation would be updated and hot and cold domestic water distribution piping would be replaced.

**Campus Fire Alarm Upgrades (\$4.1 million)**. The University is seeking funding to upgrade campus building fire alarm systems to conform to State Fire Marshal code standards, provide the latest alarm functions for tornados, voice capable systems and bring all buildings up to campus standards to align with our 2013 Campus Security Plan. *This project is listed as part of the Eastern capital renewal request but is included in the regular capital recommendation for this purpose because it has been specifically recognized as a priority by the Board.*

**Capital Renewal**

**Capital Renewal Projects (\$15,600,700)**

This recommendation includes funding to address infrastructure repair and maintenance requirements and to upgrade academic and instructional space. The University's Fiscal Year 2020 request includes funding for a fume hood, heating and air systems, plumbing, and electrical systems upgrades. As noted above, the \$4.3 million Campus Fire Alarm Upgrade project is considered to qualify as a capital renewal project but also has been accepted as a high priority regular capital project. It is listed there to further highlight what is involved.



**GOVERNORS STATE UNIVERSITY**  
*Fiscal Year 2020*

<u>Total Recommendation</u> \$15.9 million	<u>Regular Capital Projects</u> \$7.5 million	<u>Capital Renewal Projects</u> \$8.3 million
---	--	--

**Regular Capital**

**Academic Building E Extension (\$3.5 million)**. The university currently has a limited number of learning environments that have a capacity greater than 50 person (two in total). This puts many constraints on academic programming. Governors State seeks funds for the construction of eight new lecture halls that would have the minimum capacity of 100 students each and which could easily be divided to allow for smaller classrooms as needed. These would be equipped with the latest instructional technology. This would be a two-story extension to the existing E building and have connections at each level to allow for easy access to existing restrooms and elevators. The University requests \$3.5 million to complete this project.

**Innovation Center (\$4.0 million)**. The University is seeking \$4.0 million for the planning for construction of a multi-story, multi-purpose event center to hold events such as commencement or large lecture classes in excess of 100 students. The University currently lacks sufficient space to hold university-wide events. During the past five years, commencement has been held off-campus at the Tinley Park Holiday Inn Convention Center. The new 88,000 gross square foot Center would consist of an auditorium that could be divided into four lecture halls capable of holding 200 students each. The upper stories of the Center would house classrooms and student services offices. The full cost of the project is anticipated to be \$47.3 million.

**Capital Renewal**

**Capital Renewal Projects (\$8,322,700)**

This recommendation includes funding to address infrastructure repair and maintenance requirements and to upgrade academic and instructional space. Top priorities for capital renewal funding for Fiscal Year 2020 include water supply and fire suppression infrastructure, roof replacement, and HVAC replacement and repairs.

**ILLINOIS STATE UNIVERSITY**  
**Fiscal Year 2020**

<u>Total Recommendation</u> \$152.1 million	<u>Regular Capital Projects</u> \$119.8 million	<u>Capital Renewal Projects</u> \$32.3 million
--	--	---

**Regular Capital**

**Milner Library Rehabilitation (\$89.2 million)**. The University's top capital priority in Fiscal Year 2020 is to secure \$89.2 million to continue the multi-phased rehabilitation of the University's Milner Library. Previous University and State funds have provided for a new roof, the installation of a canopy on the exterior plaza to reduce water infiltration problems, and remodeling of the "front desk" area. This project, based on the long range plan for the library, will provide for the construction of a new addition to house needed book stacks, study areas, library processing and support spaces, and high-density storage of library materials. It will also include the initial stages of a library expansion to provide computer areas for immediate retrieval of information and conferencing areas for dissemination of information. This project is recommended in *The Campus Master Plan 2010-2030* adopted by the Board of Trustees in February 2011.

**Mennonite College of Nursing (\$30.5 million)**. The University is seeking capital funding to renovate the Mennonite College of Nursing facility. The Mennonite College of Nursing became the sixth college at Illinois State University in July 1999 offering both undergraduate and graduate programs. The College is ranked among the top nursing schools in the country. It is currently located in Edwards Hall, a facility that was opened in 1920 with approximately 31,929 square feet. The College of Nursing has been growing steadily and the current facility is no longer able to meet the demand for the growing program. To meet future program needs, it has been estimated that a facility of approximately 60,000 square feet is needed. This project, which involves construction of a new facility for the College, is recommended in *Master Plan 2010-2030*. The total request in Fiscal Year 2020 is \$30.5 million.

**Capital Renewal**

**Capital Renewal Projects (\$32,326,900)**

This recommendation includes funding to address infrastructure repair and maintenance requirements and to upgrade academic and instructional space. The University's Fiscal Year 2020 budget request seeks capital renewal funding for projects including upgrades to HVAC systems, elevator modernizations, plumbing system upgrades, chiller plant upgrades, and roof masonry repairs.

**NORTHEASTERN ILLINOIS UNIVERSITY**  
**Fiscal Year 2020**

<u>Total Recommendation</u> \$55.9 million	<u>Regular Capital Projects</u> \$40.6 million	<u>Capital Renewal Projects</u> \$15.9 million
---	---	---

**Regular Capital**

**Education Building – Equipment (\$10.4 million)**. The Fiscal Year 2019 budget included \$79.0 million for a new Education Building that will provide more than 118,000 net assignable square feet and will include general and specialized classrooms, as well as clinics/laboratories for undergraduate and graduate students, and teachers returning for continuing education. The Education Building will consolidate the University’s teacher education programs in one centralized location. This project was first funded in the Fiscal Year 2010 budget but never released. The University’s Fiscal Year 2020 request includes \$10.4 million to support the moveable equipment needs of the new Education Building. This includes classroom and office furniture, computer laboratory equipment and furniture and general supportive equipment for the academic departments and support services.

**Carruthers Center for Inner City Studies – Remodeling (\$21.4 million)**. The University’s Fiscal Year 2020 request includes \$21.4 million to remodel the Carruthers Center for Inner City Studies, established in 1966 to improve the lives of inner city residents by offering undergraduate and graduate degree programs, as well as community service seminars and cultural events. This project will renew the functionality and finish of all interior spaces, updates technology and modernizes the buildings mechanical and electrical systems. Specific aspects of the project include, exterior construction work involving the renewal of the building façade and replacement of the 9,000 square feet of roof. Planned interior work includes the replacement of two boilers, electrical fixtures, and selected supporting systems; replacement of security camera systems, ceilings, floors, and interior wall finishes; and renovation of public event areas on the lower level and first floors.

**Science Building – Planning (\$8.7 million)**. Constructed in 1972, the Science Building at NEIU is a three-story concrete frame, masonry veneer building. The major laboratories and other teaching spaces are located in the center of the building, with the offices located around the perimeter. Most of the offices are constructed in a unique double deck fashion with a group of offices located a half story up and down from the main circulation corridor. All of these offices are not, and cannot be modified to meet ADA accessibility requirements. The University is planning to construct a new 200,000 gross square feet Science Building that will include general and specialized classrooms, as well as laboratories for undergraduate and graduate students and faculty. The building will be completely wired for new technologies. The University is seeking a total of approximately \$134 million for this new facility. The IBHE recommendation covers \$8.7 million for planning.

**Capital Renewal**

**Capital Renewal Projects (\$15,352,200)**

This recommendation includes funding to address infrastructure repair and maintenance requirements and to upgrade academic and instructional space. Specific projects included in the University’s Fiscal Year 2020 request include electric cable replacements, roof replacement, exterior entrance and walkway repair, and window wall replacement in a couple of campus buildings.

**NORTHERN ILLINOIS UNIVERSITY**  
**Fiscal Year 2020**

<u>Total Recommendation</u> \$49.7 million	<u>Regular Capital Projects</u> \$107.4 million	<u>Capital Renewal Projects</u> \$43.3 million
---	--	---

**Regular Capital**

**Computer Science, Health Informatics and Technology Center (\$74.2 million)**. The University is requesting over \$74.2 million in Fiscal Year 2020 to construct a new Computer Science, Health Informatics and Technology Center. In the last decade the demand for college graduates with expertise in health technology based fields has increased exponentially. The new facility will offer students a unique learning environment combining the best of a time-honored college education driven by a focus on advancing health technology. The center will have infrastructure to accommodate a broad range of equipment necessary to develop a nationally competitive program with potential for industry and professional certification programs, custom learning labs and single classes for corporations and individuals. In Fiscal Year 2010, the University received an appropriation of \$2.8 million in planning funds.

**Wirtz Hall Renovation (\$22.6 million)**. The University's Fiscal Year 2020 request includes \$22.6 million for the planning, design and renovation of Wirtz Hall. The Wirtz Hall project will provide improvements for programmatic spaces and building efficiency. Plans will focus on upgrading and remodeling the facility in order to consolidate and house the Health and Human Sciences College in one facility. This new facility will provide classrooms that facilitate group discussion, laboratories that allow students to refine presentation skills, computer laboratory space, faculty and administrative offices, and spaces that facilitate student interaction and interdisciplinary faculty relationships.

**Campus Roadway Repair (\$7.8 million)**. The University is seeking \$7.8 million in Fiscal Year 2020 for campus roadway repairs. Most roadways serving the NIU campus were constructed in the 1950s and 1960s and are owned by the university. Deterioration of campus streets has progressed to the point that maintenance efforts can no longer keep up with the disintegration. In addition to normal freeze/thaw damage, repairs due to construction projects have led to a patchwork of street surfaces each with seams that lead to more deterioration. The additional burden of Huskie Bus traffic on university streets has accelerated the deterioration, particularly at bus stop locations. Funds are needed to address this critical infrastructure problem.

**Davis Hall Renovation (\$2.8 million)**. The Davis Hall renovation project is expected to cost a total of \$46.6 million. The IBHE Fiscal Year 2020 recommendations include \$2.8 million in planning funds for this project. Davis Hall was constructed in 1942 as the institution's first science building. The original building was constructed with steel and steel reinforced concrete. Other than the installation of a telescope in 1965 and air conditioning in 1975, no major renovations have been completed at Davis Hall over the last 70-plus years. The facility's mechanical systems are inefficient and antiquated, sections of the roof are failing, and two sides of the building need major repairs to the stone work. The 65,500 gross square feet facility requires comprehensive structural rehabilitation and infrastructure updates.

## **Capital Renewal**

### **Capital Renewal Projects (\$42,320,600)**

This recommendation includes funding to address infrastructure repair and maintenance requirements and to upgrade academic and instructional space. Specific projects included in NIU's Fiscal Year 2020 request include, steam tunnel rehabilitation, general masonry and stone restoration at multiple buildings, Swen Parson Hall parapet restoration, additional work on replacement of boilers, electrical infrastructure, elevator repair, simulation labs, ADA updates, classroom conversions, and roof replacement at multiple campus buildings.

**SOUTHERN ILLINOIS UNIVERSITY CARBONDALE**  
**Fiscal Year 2020**

<u>Total Recommendation</u> \$133.2 million	<u>Regular Capital Projects</u> \$78.7 million	<u>Capital Renewal Projects</u> \$54.4 million
--	---	---

**Regular Capital**

**Communications Building Renovation/Addition (\$78.7 million)**. In Fiscal Year 2010, SIUC received a \$4.3 million appropriation in planning funds for this project. SIUC's Fiscal Year 2020 request includes \$78.7 million for the renovation/addition to the 229,050 gross square feet Communications Building built in 1964. The project will add approximately 60,000 gross square feet of space to meet the growing needs of the various media and to provide infrastructure improvements; the project also includes equipment upgrades and extensive remodeling of the existing building. The addition will provide new classroom space, fully equipped and flexible auditorium space, laboratory rooms, digital post-production suites, and reflect the growing trend towards media convergence in a combined broadcast-print newsroom.

**Capital Renewal**

**Capital Renewal Projects – Carbondale (\$44,859,600)**

This recommendation includes funding to address infrastructure repair and maintenance requirements and to upgrade academic and instructional space. The University's Fiscal Year 2020 capital renewal request seeks funding for roof renovations, classroom and lab renovations, fire alarm replacement, steam tunnel repairs, sprinklers, structural repairs, water line replacement, coal storage rehabilitation, energy efficiency measures, and lighting and electrical upgrades.

**Capital Renewal Projects – School of Medicine (\$9,550,600)**

This recommendation includes funding to address air handling and air supply renovations as well as other infrastructure repair.

**SOUTHERN ILLINOIS UNIVERSITY EDWARDSVILLE**  
**Fiscal Year 2020**

<u>Total Recommendation</u> \$37.2 million	<u>Regular Capital Projects</u> \$17.8 million	<u>Capital Renewal Projects</u> \$19.4 million
---	---	---

**Regular Capital**

**Health Sciences Building (\$9.35 million)**. The University's Fiscal Year 2020 request seeks \$9.35 million in planning funds for a Health Sciences Building for the School of Pharmacy and the School of Nursing on the Edwardsville campus. The School of Pharmacy currently is housed in temporary facilities and the School of Nursing, which is serving more than 900 student nurses, is housed in substandard facilities in Alumni Hall. The new three-story building will be located on the core campus, near the Science Building and will feature classrooms, specialized teaching and research laboratories, faculty offices, and student study space. Space currently occupied by the nursing program will be reallocated to meet the needs of other academic programs, particularly in the School of Education. The University's Fiscal Year 2020 request identified total project cost including construction at an estimated \$103.9 million.

**Alton Dental School Consolidation (\$8.5 million)**. The Alton Dental School campus seeks \$8.5 million in planning funds to construct a new state of the art clinic and academic building and renovate the existing clinic building to house the departmental offices. Most of the houses would be demolished to replace parking lost to the new building. The current dental clinic was built over 25 years ago and operatory areas are too small to accommodate new technologies such as lasers, operating microscopes, intraoral cameras, bleaching units, and CAD-CAM units. Major classrooms in the facility are located in deteriorating historic buildings that limit the ability to modernize. There is no classroom capable of seating the full complement of 200 students. The University's Fiscal Year 2020 request identified total project cost including construction to be an estimated \$105.4 million.

**Capital Renewal**

**Capital Renewal Projects (\$19,405,700)**

This recommendation includes funding to address infrastructure repair and maintenance requirements and to upgrade academic and instructional space. The University's Fiscal Year 2020 capital renewal request seeks funding for sprinkler system installation and upgrades, reconstruction of the Stratton Quadrangle, water system upgrades, sidewalk and road repairs, re-wiring projects, window replacement, and mechanical upgrades.

**UNIVERSITY OF ILLINOIS AT CHICAGO**  
**Fiscal Year 2020**

<u>Total Recommendation</u> \$315.1 million	<u>Regular Capital Projects</u> \$198.0 million	<u>Capital Renewal Projects</u> \$117.1 million
--	--	--

**Regular Capital**

**Computer Design Research and Learning Center (\$98.0 million).** The College of Engineering plans to construct a new 145,000 gross square foot building. The College of Engineering has experienced recent enrollment growth and is expected to grow by an additional 628 engineering students by 2021. This facility will accommodate this growth and the subsequent need for research space. This building will help the college attract future students and faculty and will provide modern research and educational facilities to students and researchers. This five-story building will include a basement, two large auditoriums, twenty classrooms/seminar rooms, thirty-one dry research laboratories and eighty faculty offices. It is envisioned that this building will serve as an experiential learning and design hub, providing space for holistic and interactive learning and interdisciplinary collaboration space. The building will feature geothermal heating/cooling systems, daylighting and energy efficiency features, HVAC sensor controls, and a green roof. \$98,000,000 is requested from the state. This project is also eligible for funding from the Discovery Partners Institute.

**Drug Discovery and Innovation Pavilion (\$100.0 million).** This proposal is to build a \$100,000,000 building on the west campus. The Drug Discovery and Innovation Pavilion will provide the physical infrastructure necessary to take the next step in the further progression of UIC and the Discovery Partners Institute (DPI) as leaders in the discovery, development, and commercialization of drugs and pharmaceutical technologies. It will feature team-based teaching classrooms, office and conference space, research laboratories, instrumentation rooms, clinical research laboratory space, clinical patient rooms and other support spaces. Currently missing in UIC's drive for innovative therapeutics is the physical infrastructure to bring together university researchers, students, and industry. The proposed Drug Discovery and Innovation Pavilion will provide the infrastructure needed to further the progression of UIC and DPI as a leader in the discovery, development, and commercialization of drugs and pharmaceutical technologies. \$100,000,000 is requested from the state. This project is also eligible for funding from the Discovery Partners Institute.

**Capital Renewal**

**Capital Renewal Projects (\$117,146,400)**

This recommendation includes funding to address infrastructure repair and maintenance requirements and to upgrade academic and instructional space. The University's Fiscal Year 2020 capital renewal request seeks funding for masonry restoration and window replacement in various campus buildings, HVAC replacement, life safety corrections, and facade repairs.



**UNIVERSITY OF ILLINOIS AT SPRINGFIELD**  
**Fiscal Year 2020**

<u>Total Recommendation</u> \$44.3 million	<u>Regular Capital Projects</u> \$35.0 million	<u>Capital Renewal Projects</u> \$9.3 million
---	---	--

**Regular Capital**

**Library Learning Student Success Center (\$35.0 million)**. This new 50,000 square foot building will house the library and collections, classrooms, lecture hall/auditorium, faculty staff offices space, and space for the units dedicated to the academic and teaching support units on campus. The Center for Online Learning Research and Service (COLRS), Center for Academic Success (CAS), Information Technology Services (ITS) and the Library support similar services but all are involved in engaging students, faculty and staff in using resources and technology provided by the university. At a time of shrinking state support, and a university commitment to freezing tuition, shared services, shared spaces and a shared mission can equate with overall cost savings in a building with shared purpose of academic success. The Center for Academic Success and the Library can partner on providing peer tutors during evening and weekend hours, when many staff are not available or in the building. Classroom space, conference rooms and the auditorium can be shared by all units in the space and a shared calendar can optimize scheduling. Locating Information Technology Services Client Services in the space is appropriate as service to students and staff could be offered through strategically designed spaces that accommodate the varied services ITS offers. \$35,000,000 is requested from the state.

**Capital Renewal**

**Capital Renewal Projects (\$9,306,000)**

This recommendation includes funding to address infrastructure repair and maintenance requirements and to upgrade academic and instructional space. The University's Fiscal Year 2020 capital renewal request seeks funding for remodeling and rehabilitation of facilities to make ADA and life, safety corrections, and repair roadways and sidewalks.

**UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN**  
**Fiscal Year 2020**

<u>Total Recommendation</u> \$318.7 million	<u>Regular Capital Projects</u> \$162.6 million	<u>Capital Renewal Projects</u> \$156.2 million
--	--	--

**Regular Capital**

**Math/Statistics/Data Science Collaborative Facility (Altgeld/Illini Hall renovation) (\$43.2 million).** A comprehensive renovation for historic Altgeld Hall and the 2nd and 3rd floors of Illini Hall. These spaces serve the Departments of Mathematics and Statistics, the Mathematics Library, and the campus classrooms in Altgeld Hall. The department serves students from across the campus as 83 percent of the student population has taken a class realizing the integral part mathematics and statistics play in a global economy. This has served to drive enrollment up over 100% and degrees up over 126 percent in the last decade. Many ancillary, but essential, infrastructural elements such as heating, cooling, data technology, roofing, masonry, flooring and windows must be brought up to modern standards for occupant comfort, safety and progressive instructional practices. Total project budget is \$100,000,000 with \$43,200,000 being requested from the state. This project is also eligible for funding from the Discovery Partners Institute.

**School of Art and Design Thinking and Learning Addition (\$64.9 million).** Built in the late 1950s, the Art and Design Building has undergone only minor repairs and upgrades. The current condition of the building reflects the wear and tear of 60 plus years of continuous use as an administrative, teaching and research facility. It suffers from general fatigue and deterioration of comfort and visual quality. Also during this time, requirements of the School's disciplines have undergone dramatic change, creating entirely new functional demands which were unimagined when the building was conceived. New program and equipment needs have rendered the original space configuration outmoded, inefficient and ill-suited to their intended purposes. This project will renovate and upgrade the existing facility and provide an addition to consolidate all functions, activities and programs into one facility. Total project budget is \$84,000,000 with \$64,860,000 being requested from the state.

**Library Redevelopment: Undergraduate Library (\$54.5 million).** The High Density Storage (HDS) Addition will be the first step in a multi-phased project to reconstruct the Main and Undergraduate Libraries. This addition to be located on the west end of the existing 6th stack will be a large climate controlled vault capable of storing 1.5 million volumes in an 11,000 square foot footprint. The total area of the HDS Addition with the associated mechanical room is approximately 23,000 square foot. As part of this project, a new utility tunnel will be constructed to connect the existing Main Library Power Plant to the West Sixth Street steam tunnel and the new HDS Addition. Also part of this project will be the construction of a new Lecture Hall 66, a building addition to the southwest side of the Main Library. A new mechanical room will be constructed to house the mechanical and electrical systems to serve the HDS. The mechanical room roof will be designed to support new cooling towers that will replace the current cooling towers on the roof of the stacks. This project will construct the new cooling towers and demolish those currently existing on the roof of the stack area. Interior renovation work in the existing Main Library Building as part of this project will consist of a 3,600 square foot renovation of the main north/south corridor on the first floor, a 3,300 square foot renovation of the Grand Stair located between the north/south corridor and the Marshall Gallery and a renovation of the mechanical systems serving the existing 11,600 square foot Delivery Room on the 2nd floor. \$54,050,000 is requested from the state.

## **Capital Renewal**

### **Capital Renewal Projects (\$156,160,500)**

This recommendation includes funding to address infrastructure repair and maintenance requirements and to upgrade academic and instructional space. The University's FY 2020 request seeks funding for Abbott Power Plant gas turbine and bypass flue, Material Sciences/Engineering Building renovations, Talbot Lab infrastructure repairs, chilled water, HVAC, and other infrastructure improvements for several campus facilities.

**WESTERN ILLINOIS UNIVERSITY**  
**Fiscal Year 2020**

<u>Total Recommendation</u> \$179.5 million	<u>Regular Capital Projects</u> \$156.4 million	<u>Capital Renewal Projects</u> \$23.1 million
--	--	---

**Regular Capital**

**Science Building, Phase I (\$94.5 million)**. The University is seeking \$94.5 million for Phase I of a new 155,000 gross square foot state-of-the-art Science Building. The current College of Arts and Sciences' three science facilities, Currens Hall, Waggoner Hall, and Tillman Hall, are obsolete in providing high-quality comprehensive instructional laboratories. All three facilities were constructed years before modern laboratory standards were developed for acceptable indoor air quality and energy efficiency. The antiquated laboratory fume-hood systems and poor quality heating, ventilation, and air conditioning systems yield inadequate comfort and humidity control. This problem leads to detrimental impacts on teaching; research; and student, faculty, and staff recruitment and retention. The new Science Building will consolidate existing and support new academic programs; and, will integrate new laboratory technologies with the latest in science pedagogy and will support new academic programs including forensic chemistry and nursing.

**Science Building, Phase II (\$61.9 million)**. The University is seeking \$61.9 million for Science Building, Phase II. Phase II includes the renovation of Currens Hall to allow the College of Arts and Sciences to consolidate academic programs to a single campus local and provide for additional facility improvements/enhancements for the humanities and social sciences. The new science building and renovation of Currens Hall will also support new academic programs. These actions are consistent with the newly developed Western Illinois University – Macomb campus master plan.

**Capital Renewal**

**Capital Renewal Projects (\$23,144,900)**

This recommendation includes funding to address infrastructure repair and maintenance requirements and to upgrade academic and instructional space. The University's Fiscal Year 2020 capital renewal request seeks funding for HVAC, plumbing and electrical systems, sidewalk and roadway repairs, lighting, exterior stairs, and other repair and maintenance projects.

**ILLINOIS MATHEMATICS AND SCIENCE ACADEMY**  
**Fiscal Year 2020**

<u>Total Recommendation:</u> \$9.0 million	<u>Regular Capital Projects</u> \$3.7 million	<u>Capital Renewal Projects</u> \$5.3 million
---	--	--

**Regular Capital**

**Residence Halls – Phase II Interior Renovations, Parts A and B (\$3.7 million).** IMSA’s top priority in its Fiscal Year 2020 capital request is funding for interior work in the Residence Halls. The scope of this interior work in the residence halls will include upgrading bathrooms, kitchens, doors, lighting, flooring, and HVAC systems for the common areas, all of which are approaching 25 years old. These updates will address many of the challenging issues associated with over two decades of occupancy by high school aged students as well as some safety improvements. In addition, they will take advantage of advancing technology, and they will result in reductions to the operating costs of both energy and water usage, such as a potential 20 percent reduction in water consumption. Part A will address the four Residence Halls (of seven total at a cost of around \$2.1 million) in the greatest need. Part B of this project will address the remaining three Residence Halls (\$1.6 million).

**Capital Renewal**

**Capital Renewal Projects (\$5,344,000)**

This recommendation includes funding to address infrastructure repair and maintenance requirements and to upgrade academic and instructional space. IMSA’s Fiscal Year 2020 request seeks funding for general site support, general academic support, general roofing shingle system repair, general fire safety system upgrades, and general flooring maintenance.

**UNIVERSITY CENTER OF LAKE COUNTY**  
**Fiscal Year 2020**

<u>Total Recommendation:</u> \$558,200 million	<u>Regular Capital Projects</u> \$0	<u>Capital Renewal Projects</u> \$558,200
---	--	--

The University Center of Lake County is an independent 501(c)(3) organization which operates out of a state-owned facility on property donated by the College of Lake County. While the facility is newer than most state higher education facilities but it is aging and steep budget cuts make it impossible for the organization to address basic maintenance needs. This request only ask that the UCLC be included in capital renewal funding since it is a state-owned facility.

**Capital Renewal Projects (\$558,200)**

This recommendation includes funding to address infrastructure repair and maintenance requirements and to upgrade academic and instructional space. UCLC's Fiscal Year 2020 request will allow for window and interior repairs.