IOWA STATE UNIVERSITY

1991 Campus Master Plan
1995 Supplemental Progress Report

Prepared for:
The Board of Regents of the State of Iowa

Prepared by:
Iowa State University Staff

December 1995
Foreword

I am pleased to present this progress report on the implementation and further development of the Campus Master Plan of Iowa State University presented to the Board of Regents in June of 1991. The master plan was carefully crafted to maintain the traditions of the campus while establishing the principles behind land use, facilities accommodation, circulation and parking, and open space, in relation to the University's strategic plan for 1990-1995. While these principles have continued to serve as the basic premises for continued campus plan implementation, the 1991 plan was intended to guide the university's actions without being prescriptive. It is remarkable to note that the progress to date reflects a close relationship to the guidelines established in the plan. In certain instances, where the University has chosen to deviate from the plan, the actions have been based on subsequent examination of options and feasibility implications. We also have reviewed our actions with the master plan consultants from time to time concerning the implementation of the plan.

The progress report that follows summarizes a historical perspective of the 1991 Campus Master Plan, and progress made since 1991 in the areas of new construction, remodeling/reallocation, site improvements, study of the use and productivity of space, campus planning studies, and particularly, relationship to the strategic plan and the five-year capital plan. We believe that the University's facility development strategies and activities have been well served by the 1991 Campus Master Plan. As we embark upon our strategic plan for 1995-2000, the principles and guidelines established in the Campus Master Plan will continue to be kept in perspective and adjusted, as needed, to effectively support ISU's goals.

Martin C. Jischke
President
December 1995
Historical Perspective

In 1968, Iowa State University completed a campus master plan when the impetus to plan new facilities was to meet the growing student body. The nation's post-war population growth demanded new classrooms, laboratories and residence halls to educate and house a growing student body.

Much of the physical plant built in the 1960's and 1970's is now in need of rehabilitation and upgrading. The scientific laboratories and classrooms in particular need to be expanded and improved to meet the requirements of modern research and teaching. The impetus for growth for today and into the future is not to accommodate increasing numbers of students but to improve the quality of the facilities to remain current and competitive for undergraduate education and graduate research and new technology, and to address the initiatives commensurate with the university's strategic plan to become the premier land-grant university in the nation.

1991 Campus Master Plan

The 1991 Campus Master Plan is intended to guide the general physical growth of the campus during the next twenty five years. The plan accommodates approximately 2.9 million square feet of new space— for research, instruction and support. This represents an increase of approximately 40 percent over existing non-residential space. The realization of the plan depends upon actual program development and growth, and a partnership in funding including state and external non-state funds to support the expanded space needs. The plan establishes the long-term facilities capacity and spatial organization of the campus core area south of the railroad and provides a diagram for eventual growth to the north. The plan also reaffirms a 120 year old philosophy to “create an extensive natural landscape on the College grounds”.

The plan cannot be, and was not intended to be, implemented at once. Outlining and directing the future growth of the campus is an ongoing process. The Plan anticipates the expansion and improvement of the campus environment by defining future building locations, circulation systems, parking areas, open space structure, and landscape character. The Master Plan provides guidance from which the university will extract the larger patterns of use, movement and form that will bring lasting coherence and beauty to the campus.

Goal of the Plan

The goal of the Master Plan is to accommodate the projected growth within the established physical fabric of the campus in a way that reinforces and improves existing patterns of land use, circulation, parking and open spaces while making wise use of limited land resources.

Process

The 1991 Master Plan was developed over a nine month period and included a comprehensive inventory of the physical setting, development of a space program, development of alternative approaches to the plan, and refinement of the preferred approach into the Master Plan. The process was characterized by broad based participation, with regular reviews of work by the Master Plan Advisory Committee and periodic reviews by select committees, administrators and the university community at large. The final plan was accepted on campus and presented to the Board of Regents in June 1991.
Master Plan Recommendations

The plan seeks to establish a physical structure that is both flexible in its ability to accommodate planned and future growth and compelling in its clarity and form. These recommendations continue to provide the planning principles by which on-going campus development decisions are being made.

1. Use Organization and Facilities Accommodation

The Master Plan recommends that the historic pattern of land uses which located the College of Liberal Arts and Science in the center of campus, the College of Agriculture to the east and northeast, and the College of Engineering to the west be retained and built upon. The continued general clustering of expansion by major college units recognizes that the adjacencies and proximities are required among instructional facilities. The plan recommends that new research facilities be located at the perimeter of the core area. Long range projects auxiliary to the central functions of the university, including the possibility of student apartments, new administration, support and storage facilities are also recommended for north of the railroad.

2. Circulation and Parking

The Master plan recommends that the existing pattern of streets and pedestrian paths be maintained, with several modifications to enhance pedestrian movement and safety. Proposed modifications include the clarification of Welch Avenue and Knoll Road as the primary paths of arrival for visitors to the university. The maintenance of the majority of the existing street corridors allows for required access to buildings and minimum conflict between major utility corridors and new facilities.

The plan recommends that parking be located at the perimeter of the core campus and not create a barrier between instructional and research facilities. To meet the long-range parking demand in the core area, the plan recommends sites for three new parking garages. In the event garages prove to be cost prohibitive, the plan recommends that the demand for core area parking be reduced by enhancing Cy-Ride Bus service to make it time-competitive with commuting by car.

3. Open Space

The Master Plan recommends that the Central Lawn area generally bounded by Beardshear Hall, MacKay Hall, Curtiss Hall and the Memorial Union be maintained as a park-like open space, and that it be linked to surrounding campus areas by a series of pedestrian corridors planned with trees and shrubs to emphasize the major connecting paths of the campus. A new pedestrian corridor is proposed to extend north from Morrill Road and serve as the dominant north-south link between campus expansion north of Osborn Drive and the Central Lawn area. The plan proposes new quadrangles and courtyards as part of the development of new building clusters.
PROPOSED PROGRAM

College of Engineering and Technology
- E1 Center for Aircraft Systems Reliability: 100,000 GSF
- E2 Center for Innovative Teaching and Research: 160,000 GSF
- E3 Swenson Hall Addition: 43,000 GSF
- E4 Home Engineering Addition: 40,000 GSF
- E5 Material Science Building: 50,000 GSF
- E6 Analytical Instrumentation Center: 30,000 GSF
- E7 Center for Materials Systems: 125,000 GSF
- E8 Multi-Center Support Space: 200,000 GSF
- * Materials Technology Laboratory: 66,900 GSF

College of Agriculture
- A1 Soil Science Building: 100,000 GSF
- A2 Agricultural Products Center: 37,000 GSF
- A3 Intensive Livestock Research Facility: 65,000 GSF
- A4 Intensive Livestock Research Facility: 8,000 GSF
- A5 Entomology: 40,000 GSF
- A6 Agricultural Engineering: 75,000 GSF
- A7 Agriculture and Natural Resources - Growth and Expansion: 75,000 GSF
- * Center for Agricultural Technology Development: 75,000 GSF

College of Liberal Arts and Sciences
- L1 Mathematical and Computer Science Building: 126,000 GSF
- L2 Instruction Building: 70,000 GSF
- L3 Behavioral Science - Growth and Expansion: 75,000 GSF
- L4 Biological Sciences - Growth and Expansion: 75,000 GSF
- L5 Physical Sciences - Growth and Expansion: 75,000 GSF
- L6 Libraries - Growth and Expansion: 75,000 GSF
- L7 Communications: 32,500 GSF

College of Design
- D1 Design Addition: 65,000 GSF

College of Family and Consumer Science
- F1 Department of Human Development and Family Studies: 41,300 GSF

College of Veterinary Medicine
- * Intensive Livestock Research Facility: 42,400 GSF

Ames Lab
- A11 Center for Materials Synthesis and Processing: 33,000 GSF
- A12 General Facility Support: 33,000 GSF

Residential
- R1 Student Apartments: 94,000 GSF (160 units)
- R2 Student Apartments: 106,000 GSF (180 units)

Memorial Union
- U1 Memorial Union Expansion: 100,000 GSF

Recreation
- Rec. Recreation/Activity Addition: 20,000 GSF
- Football Stadium Enhancement: 12,000 GSF
- Southwest Athletics Complex: 3,000 GSF

Support
- M1 West Campus Chiller Plant: 3,000 GSF
- M2 North Dining: 16,000 GSF
- M3 Library/Museum Storage: 45,000 GSF
- M4 General University Storage: 40,000 GSF
- M5 Support Service Center: 300,000 GSF
- M6 Day Care Center: 20,000 GSF
- M7 Exhibition Hall: 50,000 GSF
- M8 Student Health Center: 40,000 GSF
- M9 U.S.D.A. Research Facility: 78,000 GSF

Total Master Plan Program: 2,938,500 GSF

Additional Program Capacity
- C Total Additional Program Capacity: 1,020,000 GSF

Notes:
* Denotes program to be accommodated at campus locations not shown on plan
G Denotes future parking garage
Progress Since 1991

New Construction and Remodeling/Reallocation

Facility changes since the 1991 Master Plan include a number of new construction and improvement projects. The new construction projects have had both direct and indirect impact on facilities to support the university’s programs—direct impact to the programs occupying new space, and indirect when vacated space is then available for remodeling and reassignment to another program. The following listing identifies the additional or improved space to address the requirements of university and college strategic plans.

1991

New Construction

- Meat Laboratory Addition provided 13,753 GSF for the Department of Animal Science.
- Food Sciences Building additions provided 38,198 GSF for the Department of Food Science and Human Nutrition, and the Center for Crops Utilization Research.

Remodeling/Reallocation

- Attanasoff remodeling provided expansion space for the Computer Science Department when the Computation Center was relocated to the Durham Center.
- Research Park II lease provided 15,000 GSF for the Center for Rural Health.
- Vet Medical Research Institute remodeling of Building #6 has provided the basis for continued use of the VMRI area as the College’s research center.
- Alumni Hall remodeling provided 26,487 GSF of office space for the Admissions Office and the Office of the Registrar.
- 1991-94 Remodeling to Outlying Research Centers at the Animal Science Teaching Farm, the Bilisland Swine Research Facility and the Kelly Swine Research Center have provided the College of Agriculture and the Agricultural Experiment with improved animal research facilities.
- 1991-95 Classroom and Auditorium renovations in Kildee Hall, MacKay Hall, Coofer Hall, Bessey Hall, Gilman Hall and Curtiss Hall have provided multimedia instructional capabilities to general university programs.

1992

New Construction

- Human Nutritional Sciences Building was completed providing 35,337 GSF for the Department of Food Science and Human Nutrition.
- Molecular Biology Building was completed providing 203,553 GSF for the Departments of Biochemistry/Biophysics and Zoology/Genetics.

Remodeling/Reallocation

- Marston Hall remodeling provided two high technology classrooms.
1993

New Construction

- Food Sciences Building addition provided 38,198 GSF for the Department of Food Science and Human Nutrition, and the Center for Crops Utilization Research.

Remodeling/Reallocation

- Elm Hall lease from Residence provided 5,212 GSF for the Department of Human Development and Family Studies.
- Southgate Square lease provided 5,937 GSF for the Iowa Transportation Center and the Iowa Energy Center.
- 1993-95 Computer classrooms have been developed in Ross Hall, Maple-Willow-Larch, Knapp-Storms, Friley and Durham.
- 1993-95 Residence Hall leases provided 3,057 GSF for computer classrooms.

1994

New Construction

- Applied Science Complex III was completed providing 12,277 GSF for the Center for Aviation Systems Reliability.
- Sweeney Hall Addition provided 36,667 GSF for the Department of Chemical Engineering.
- Technical and Administrative Services Building provided 44,420 GSF for Ames Laboratory administrative unit consolidation.
- Hilton Coliseum addition provided 10,105 GSF for the Department of Athletics.

Remodeling/Reallocation

- The Campanile has been completely remodeled, including structural repairs and improvements to the carillon.

Extensive repairs from 1993 flood damage to a number of campus facilities.

- Hamilton Hall ground floor remodeling of space vacated by the ISU Press has been allocated to the Office of International Students and Scholars.
- 1994-95 Gilman Hall remodeling has improved 85,000 GSF for the Departments of Chemistry and Materials Science and Engineering.
- 1994-95 Laboratory of Mechanics remodeling has provide space for the Faculty Senate, YMCA, the Center for Teaching Excellence, the Center for Women in Science and Engineering, and the ISU Research Foundation.

1995

New Construction

- Reiman Gardens development provided Horticulture with 3,925 GSF for office and meeting rooms and 1,552 GSF in a maintenance facility.

Remodeling/Reallocation

- Carrie Chapman Catt Building remodeling provided 29,898 GSF for the College of Liberal Arts and Sciences Administration and the Department of Philosophy.
• Curtiss Hall remodeling for the Brenton Center has provided Agriculture with technology transfer and outreach instruction and development capacities.

Currently Under Construction or In Planning

New Construction

• The US Department of Agriculture is building an 80,000 GSF National Swine Research Center to support USDA research. (A federally owned facility)

• The 7,500 GSF Child Care Facility is being planned for a spring 1996 construction start near the Veterinary Medicine Complex to help meet the need for child care for students, faculty and staff.

• The university Information Booth on Elwood Drive will be remodeled as an enclosed, staffed information booth for university visitors. The booth is located on the major campus entrance and will serve campus visitors with directions, maps, and other campus information.

• The Athletic Department is building the Jacobson Building, a 42,000 GSF addition to the facilities at Cyclone Stadium, remodeling the Olsen Building and installing a grass playing field. These facilities will provide coaches offices, meeting rooms, and training facilities for all athletic programs. Spaces now housing these activities will be reassigned to other central campus users.

• Construction of a 29,000 GSF Student Health Facility will provide expanded and improved space for the University's Student Health Service. Space released by the Student Health Service in the Student Services Building will be allocated to the Office of International Students, and the Minority Student Affairs office.

New Construction in Project Planning/Design

• Intensive Livestock Research Facilities is being planned to provide large animal facilities that meet current animal care regulations. The project includes a 74,000 GSF addition to Kildee Hall and the Meat Laboratory for the College of Agriculture and construction of a 28,000 GSF building at the Veterinary Medicine Research Institute for infectious disease research.

• The Engineering College is planning a 260,000 GSF Engineering Teaching and Research Complex to house the department of Aerospace Engineering and Engineering Mechanics, and the Center for Aviation Systems Reliability and the Center for Nondestructive Evaluation.

Remodeling/Reallocation

• Carver Hall reallocation of space to the College of Business will be possible when the College of Liberal Arts and Sciences moves into the newly remodeled Catt Hall. In January 1996 Ross Hall reallocation of space to the department of English will be possible when the department of Philosophy moves to Catt Hall.
Progress Since 1991
- New construction completed since 1991
- New construction in progress or planning/design
- Remodel/relocation completed since 1991
- Remodel/relocation in progress or planning/design

Construction at campus locations not shown on plan:
- Completed since 1991
  - Applied Science III
  - Roper Gardens
- In project planning/design
  - Jacobson Building
  - Intensive Livestock Research Facility at VMRI
  - Childcare facility
  - Information booth

Remodel/relocation at campus locations not shown on plan:
- Completed since 1991
  - Knapp Storms Commons
  - VMRI #6
  - Leased space, Southgate Square Office Park and ISU Research Park
- In project planning/design
  - Olsen Building
Master Plan Related Site Improvements

**Plantings**- The campus landscape is maturing and in some cases in a state of decline due to the age of the plant material. The university has invested $782,000 in new landscape plantings between 1991 and 1995. The planting improvements reflect concepts proposed in the campus plan, reinforcing the character of the central campus lawn, extending plantings from the central lawn to campus perimeters and landscaping street corridors.

**Lighting**- The university continues to place a high value on walkway lighting to accommodate evening use of the campus. Over the past four years $700,000 has been invested in lighting improvements on walks and parking facilities. Emergency phones have been incorporated to expand services available to campus users. These efforts have been coordinated with Master Plan goals and guidelines.

**Walkways**- Campus walkway improvements and repairs are a recurring need. The Master Plan provides direction for design solutions within the greater character of the campus environment. Through various funding sources an estimated $500,000 has been invested in walkway construction between 1991 and 1995.

**Lake LaVerne**- Lake LaVerne, a campus landmark, is under construction for various improvements. The renovation project to deepen the lake, stabilize the north shoreline and add a well for fresh water was completed in the fall of 1995. In the spring of 1996 the project will continue with the installation of plantings, paths and seating. The students have taken a special interest in the lake project and acquired a pair of the native Trumpeter Swan to nest on the lake.

**College Creek**- The College Creek restoration will restore the creek channel and banks to control erosion due to high water volume frequencies. Additionally the project will restore the creek's aesthetics.

**Cross Country Track**- A new cross country running track has been constructed on land south of campus referenced as the Arboretum and Southwest Athletic Area. The track serves as a training and racing course for the Intercollegiate team, and is anticipated to serve recreational running and high school competition as well.

**Parking and Bicycle Improvements**- Access to parking facilities in proximity to building facilities continues to be a priority for students and employees. Parking areas were added this fall on the west side of campus. The parking was constructed in part to replace parking to be lost due to the construction of the new Student Health Building. Additionally, the Lied Building lot was expanded for a net gain of 100 stalls. Bicycle parking and path improvements have been implemented in accordance with the Master Plan. Approximately one mile in path construction and 810 new bicycle stalls have been developed.

**Cyclone Stadium/Jack Trice Field** - Jack Trice Field will be converted from artificial turf to natural turf between November 1995 and August 1996.

**Campus Art Restoration** - The university has taken measures to restore and conserve four pieces of public art by Christian Peterson. The pieces are highly visible and treasured by alumni and university community members and include; Wedding Ring fountain, Dairy Science Panels, Gentle Doctor and Murals and Fountain of Four Seasons.
Master Plan Site Improvements

- Completed since 1991
- New construction in progress or project planning/design
- Plantings completed since 1991

Improvements at campus locations not shown on plan:
- Cross Country Track
- Lighting, walkway, art restoration, bikepath and parking improvements occur at various locations campus-wide, and are not highlighted.
- Cyclone Stadium / Jack Trice Field turf
Committee to Study the Use and Productivity of Space

In December 1991, President Jischke appointed a committee to study the use and productivity of space with the goals of: (1) increasing the effective use of current space; (2) reducing obsolete space on campus by 200,000 gross square feet; and (3) saving $1 million in annual operating costs. The committee's report of July 1992 contained a summary of the study including recommendations about specific buildings for closure or improvements, follow up studies that would provide improved information to enable better use of space, and policy issues which could improve efficiency and effectiveness of space use.

Many of the recommendations were accepted and others required further study. The buildings recommended for closure were judged to be of poor quality and required extensive repairs and maintenance. The list includes buildings for near term and long term closure. The opportunity to actually close a building (and remove it) is tempered by the need to find relocation space for the occupants and activities housed in it. The list has been beneficial because these buildings no longer compete for repair/maintenance funding with higher priority needs.

Short term closures:
- Corn Borer Research Laboratory- Ankeny
- Exhibit Hall
- Genetics Chick Isolation
- Genetics Storage Building
- Industrial Education II (West Barn Wing)
- Judging Pavilion
- Library Storage
- Military Garage
- Morrill Hall (Close for safety reasons)
- Physics Hall (storage and service area in basement)
- Reactor Warehouse at Applied Science Center
- Veterinary Obstetrics Laboratory
- Veterinary Surgery Laboratory

Long term closures:
- Ag. Engineering Machine Shed
- Airport Hanger #1
- Coal Preparation Plant
- Engineering Research Institute
- Genetics Poultry Laboratory
- Genetics Laboratory
- Office and Laboratory Building
- E. O. Building
- Child Development Building

The study also resulted in policies that promote efficient and effective use of space. The recognition that all space is university space and viewed as a campus resource to be used to fulfill ISU's mission is one of the most important of the policy statements.
Campus Planning Studies

The concepts expressed in the Master Plan enable the university to make timely and informed decisions regarding the implementation of specific capital development projects. Studies may be directed at answering site questions as planning begins for capital program projects. The capital projects are in response to the university's needs based on the Strategic Plan and selected sites for new facilities are guided by the Campus Plan. A number of studies since 1991 have been initiated to guide preliminary planning.

New Construction requests on the Five Year Capital program that have been funded for planning include the Intensive Livestock Research Facilities and the Engineering Teaching and Research Complex. Both of these projects were included in the 1991 Campus Plan. Preliminary planning included studies to refine the site plans for these facilities.

A request for Livestock Units for Swine and Cattle Research is also a part of the Five Year Capital program. The university is in final stages of completing a land use plan for the university controlled agricultural lands in Story and Boone counties. The plan considers land use strategies for the short term and long term, allowing for land management and capital planning requests which will reflect projected land use. The plan is intended to serve as a guide for land use, acquisition and disposal in the future.

The Student Health facility construction will begin in February 1996. The 1991 Campus Plan included a recommendation that this facility be located off campus in campus town. Preliminary planning for the facility led to reevaluation of the recommendation and relocation to an on campus location west of Beyer Hall. A major consideration in the decision to move the site was the ability of the on-campus site to more easily meet student access requirements and the difficulty in accommodating such a facility in campus town.

Two studies currently in process are looking at refining the Campus Plan recommendations to develop a building(s) to consolidate administrative services and storage needs, and to study the long range needs of the university's utility enterprise. The utility study will identify site development requirements in response to the operational issues of providing a full range of utility generation and distribution services to an ever changing customer and land use parameters for the northeast corner of campus.

Elwood Drive is the main visitor entrance to the Iowa State campus and a secondary entrance to the community of Ames. The Campus Plan and the Ames Plan call attention to the entrances and the need to develop a clear sense of entry and arrival to the community. The Elwood Drive study is intended to identify site improvements to enhance the corridor, possibly including a gateway structure, street tree plantings, signage, roadway paving patterns and bike/pedestrian trails.

The 1993 Flood has resulted in a State wide reevaluation of flood levels. Iowa State University has been a part of that evaluation. The study is has not been completed, but is expected to have a minor impact on the flood elevation north and east of the core campus. The university has implemented some remedial modifications to reduce future damage to some facilities. Additionally, flood insurance has been purchased to further protect facilities at risk.
Parking pressures on the campus core continue to be a concern of students, staff and visitors. Providing reasonable access to the campus impacts the customer service levels the university strives to achieve. A parking study is underway to evaluate alternatives to meet the demands of those seeking parking. The study includes an analysis of the feasibility of siting, constructing, operating and financing a parking structure on campus. Additionally the study will consider alternatives to a structure such as remote lots with frequent shuttles, similar to the existing mode of operation at the Iowa State Center. The Master Plan proposes the use of parking structures if financially feasible.

The College of Design feasibility study will review the options available to the College to provide program consolidation through facility expansion and remodeling of existing space.

The Veenker feasibility study for a new clubhouse to accommodate increased golf course usage and to provide modern services is in progress. Golf course modifications will be incorporated to accommodate the possible siting of a new clubhouse.

With the stabilization of the university's athletic finances and the establishment of the Big 12 Conference, the need for competitive athletic facilities is under review. Examination of appropriate funding sources (including athletic revenues and private funds) is part of this review.
Relationship to Strategic Plan and Five Year Capital Plan

Strategic Plan

Iowa State University aspires to become the premier land-grant university in the nation. The Strategic Plan for 1995-2000 includes six university-wide goals, which also guide strategic plans of the individual units within the university:

- Strengthen undergraduate teaching, programs, and services.
- Strengthen graduate, professional, and research programs.
- Strengthen outreach and extension efforts.
- Sustain and enhance an intellectually stimulating environment and a supportive university community.
- Establish international leadership in the integration and effective use of information technology and computation services.
- Strengthen initiatives to stimulate economic development, with a special emphasis on environmental stewardship and enhancing human resources and the quality of life.

Strategies to help meet these goals were also identified. Many of the strategies will have an impact on the university's physical facilities. For some units the development of programs and refinement of existing programs will require facility expansion and/or modification through reallocation and new construction. The long-range capital plan is responsive to the needs that have been identified in the Strategic Plan. In addition, one of the strategies recommends that efforts be made to improve the condition and maintenance of existing facilities, and to improve the use of space to adequately support ISU's mission.

Five Year Capital Plan

Capital planning at Iowa State University is directed at acquiring and maintaining facilities to support the institution's existing programs and to respond to new initiatives of the 1995-2000 Strategic Plan. All Regent institutions prepare annual and five year capital plans for approval by the Board of Regents. Regent's recommendations are submitted to the Governor and the General Assembly at the beginning of each legislative session. In addition to capital requests for state appropriations, the Five Year Capital Plan often has projects for which there is support from external funding sources including gifts, grants and federal agencies.

The Capital Plan has four project categories: Fire and Environmental Safety, Deferred Maintenance, New Construction, and Remodeling/Renovation. Projects included in the plan are proposed by colleges and/or administrative units. The President, Provost and Vice Presidents and Facilities Planning and Management staff review the project requests with attention given to the demonstrated need for space. Project feasibility, scope and cost studies are prepared. With the approval of the President, a recommended capital plan is forwarded to the Board of Regents for review and action. The Board of Regents Five Year Capital Plan is a single plan incorporating elements of each of the Regents Institutions.
The current Board of Regents approved Five Year Capital Program for ISU of $106,320,000 includes the following requests:

1. Fire and Environmental Safety
   • Annual $1 million request to address identified deficiencies.

2. Deferred Maintenance
   • General University
     $1 million for first two years and $3 million for the last three years.
   • Gilman Hall Addition- Systems Upgrade
     $7,225,000 for HVAC and fume hood system replacement.

3. New Construction
   • Intensive Livestock Research Facilities
     $26,640,000 for an addition to Kildee Hall and the Meat Lab and new construction at VMRI
   • Engineering Teaching and Research Complex
     $31,320,000 to match private and federal funds to construct a two phase complex.
     (Total Project of $60,320,000)
   • Livestock Units for Swine and Cattle Research
     $4,160,000 to continue a project to improve off-campus Experiment Station research centers.
   • Agricultural and Biosystems Engineering
     $500,000 to begin planning for a $16 million building.

4. Remodeling/Renovation
   • General Classrooms and Auditoriums
     $8,805,000 to modernize the University's general assignment teaching facilities.
   • Coover Hall
     $11,670,000 to provide additional space and modernization for the department of Electrical Engineering and Computer Engineering.
Five Year Capital Plan

- New construction
- Remodeling

Various buildings - campus-wide
- Fire and Environmental Safety
- Deferred Maintenance
- Classroom Remodeling

Capital plan requests at campus locations not shown on plan:
- Experiment Station centers
- Intensive Livestock Research Facility at VMRI