

Contact: John Nash

REGISTER OF IOWA STATE UNIVERSITY
CAPITAL IMPROVEMENT BUSINESS TRANSACTIONS

Actions Requested: Recommend the Board approve the proposed:

1. Project Description and Budget for the:
 - **Kildee Hall – Air Handling Unit 4 and 5 Replacement** and
 - **Lloyd Veterinary Medical Center – Large Animal Hospital Ward 3 Expansion** projects with the understanding that approval is authorization to proceed with construction.

ISU project #1 of 2
Kildee Hall-Air Handling Unit 4 and 5-Replacement

Executive Summary: Iowa State University requests Board approval of the proposed Project Description and Budget to replace two air handling units with deferred maintenance issues that serve large portions of Kildee Hall. The \$2.131 million project budget would be funded by the University Facilities Overhead Use Fund.

➤ \$1.5 million in building renewal costs would be eliminated through this project.

Background: Built in 1965, Kildee Hall is a large academic building northeast of central campus.

A recent analysis of both air handling unit's heating, cooling and building control systems revealed that both were receiving a high frequency of repairs over recent years and had expensive repairs pending that could not be justified. The analysis further determined that replacement of the units would deliver the most energy-efficient and cost-effective HVAC system. New units would also increase heating and cooling reliability and enhance student, faculty and staff satisfaction.



Iowa State University, northeast of central campus, looking northwest



Project Summary

	Amount	Date	Board Action
Design Professional Selection 10 proposals, four interviews ➤ Resource Consulting Engineers LLC, Ames		Jun. 2021	Not Required*
Resource Consulting Engineers Agreement Schematic Design only	\$25,000	Jul. 2021	Not Required*
Resource Consulting Engineers Amendment #1 Design Development – Record Documents	107,500	Oct. 2022	Not Required*
Project Description and Budget	\$2,131,000	Apr. 2024	Requested

* Approved by Executive Director, consistent with Board policy.

Project Budget

Planning, Design and Management	\$ 1,841,380
Construction	219,430
Contingency	70,190
Total	\$ 2,131,000

Source of Funds

University Facilities Overhead Use Fund

Construction

Spring 2025 to Summer 2026

This is the second phase of a multiphase project addressing deferred maintenance in Kildee Hall's air handling unit systems. Two subsequent phases are being planned to follow.

No occupants would be displaced during construction.

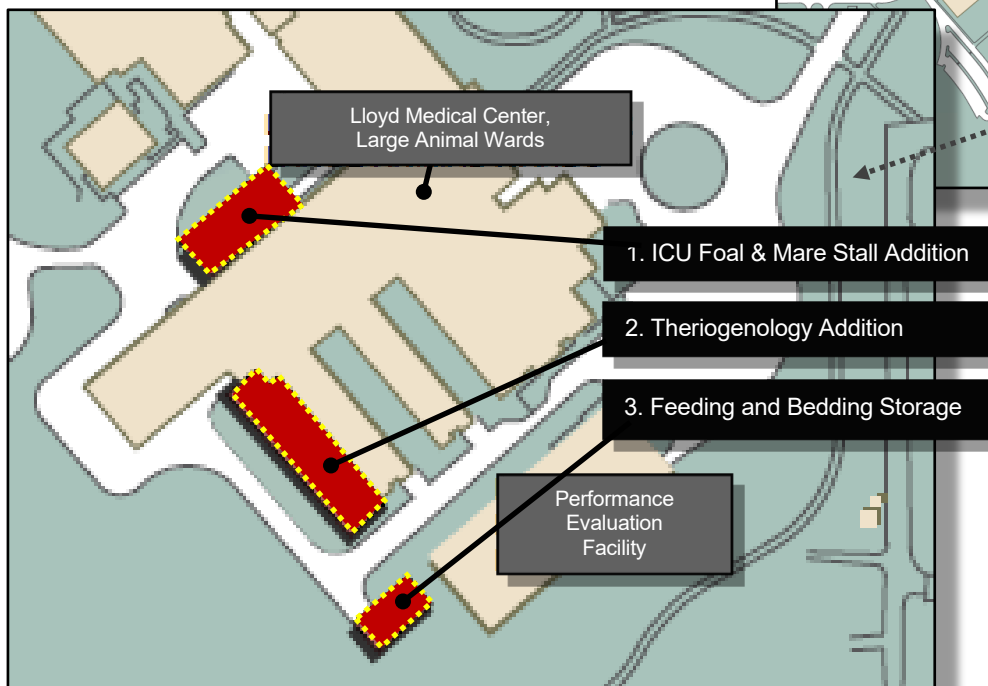
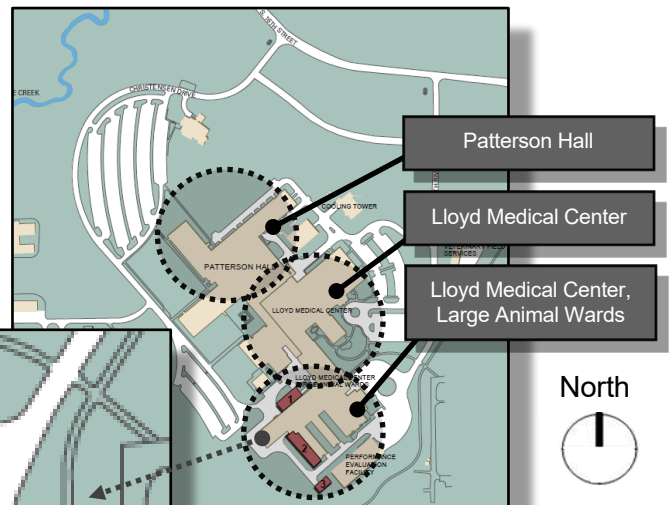
ISU project #2 of 2
Lloyd Large Animal Hospital Ward 3 Expansion

Executive Summary: Iowa State University requests Board approval of the proposed Project Description and Budget to build Ward 3 as an expansion to existing Ward 1 and Ward 2 at the Lloyd Veterinary Medical Center Large Animal Hospital. The Ward 3 expansion would be 17,000 square feet, increasing large animal reproductive services for the state of Iowa. The \$9.2 million project budget would be funded by College of Veterinary Medicine Funds.

Background: Built in 1976, the Lloyd Veterinary Medical Center (LVMC) Large Animal Hospital would be expanded to increase large animal reproductive services in response to the growing equine community in the state of Iowa. It would enhance professional student and resident training in advanced equine sports medicine and large animal reproductive services.

The additional 17,000 square feet would also help support growth in a branch of veterinary medicine concerned with veterinary obstetrics, and with the diseases and physiology of animal reproductive systems called “theriogenology.”

The LVMC currently has four certified theriogenologists providing advanced reproductive techniques for horses and cattle.



Iowa State University, College of Veterinary Medicine

The LVMC also has four equine surgeons, one trained in rehabilitative therapies. Other LVMC staff includes four equine internists, one who is trained in providing alternative therapies in alignment with the rehabilitative services.

This project would accommodate these professionals and their important services.

As the result of an initial ISU study, a multi-phased approach was selected as follows:

Phase 1 = equine ICU stalls, reproductive services, feed and bedding storage, shared storage

Phase 2 = In vitro fertilization (IVF) and embryo transfer lab

Phase 3 = rehab area, including sports medicine, physical therapy, exam area, and treadmill

Project Summary

	Amount	Date	Board Action
Design Professional Selection			
➤ Invision Architecture, Des Moines		Dec. 2022	Not Required*
Invision Architecture’s Agreement			
➤ Preliminary Planning and Schematic Design only	\$ 40,000	Dec. 2022	Not Required*
Invision Architecture’s Amendment #1			
➤ Additional Preliminary Planning and Schematic Design to expand project from 7,000 to 17,180 square feet	125,000	Sep. 2023	Not Required*
Invision Architecture’s Amendment #2			
➤ Design Development – Record Documents	pending	tbd	Not Required*
Permission to Proceed with Project Planning		Feb. 2024	Approved
Use of Construction Manager at Risk, Updated to traditional Design Bid Build		Feb. 2024	Approved
Program Statement		Mar. 2024	Not Required*
Project Description and Budget	\$9,200,000	Apr. 2024	Requested

* Approved by Executive Director, consistent with Board policy

Project Budget

Planning, Design and Management	\$ 1,549,320
Construction	7,628,340
Contingency	22,340
Total	\$ 9,200,000

Source of Funds

College of Veterinary Medicine Funds

Construction

(Spring 2024 to Spring 2025, order equipment)

Spring 2025 to Summer 2026

Annual Operating and Routine Maintenance Costs

\$479,000

includes utilities, routine maintenance, janitorial, supplies, security, mail, Environmental, Health and Safety (EH&S) and property insurance

Annual Operating and Routine Maintenance Costs: Source of Funds

College of Veterinary Medicine Funds