

Contact: Joan Racki

REGISTER OF IOWA STATE UNIVERSITY
CAPITAL IMPROVEMENT BUSINESS TRANSACTIONS

Action Requested: Consider approval of the University's request for permission to proceed with project planning and the selection of InVision Architecture for the **College of Veterinary Medicine – Laboratory Animal Resources HVAC Improvements** project.

Executive Summary: The project would renovate the HVAC (heating, ventilating and air conditioning) system for the Laboratory Animal Resources (LAR) Central Facility. The Central Facility occupies approximately 12,700 net square feet (21,200 gross square feet) in the College of Veterinary Medicine building. The facility is an essential element of the University's LAR Core and supports the research of more than 15 National Institutes of Health (NIH) funded scientists across campus, as well as programs funded by agencies such as the Department of Energy, United States Department of Agriculture, Centers for Disease Control, and private foundations.

Renovation of the HVAC system would include the addition of a new heating, ventilating and air conditioning system, independent of the current system that also serves offices and classrooms. The new system will provide humidification, improved filtering, and redundancy that the current system lacks. The proposed system would also include a new emergency generator, computerized controls and energy recovery equipment.

The LAR Central Facility is adjacent to the area that will be remodeled as part of the **College of Veterinary Medicine Phase 2 – Small Animal Hospital and Renovation and Addition** project. The architect of record for the Phase 2 project is InVision Architecture, the selection of which was approved by the Board in September 2004 for the multi-phase veterinary medicine project. (Attachment A includes a map showing the location of the Veterinary Medicine campus and the location of the LAR central facility.)

The University has received an American Recovery and Reinvestment Act (ARRA) grant from the NIH in the amount of \$4,383,055, which is the anticipated project cost. One of the requirements of the NIH grant is to complete the schematic design documents for the project no later than four months after receipt of the notice of award, which was March 25, 2010. Due to the need to coordinate design and construction activities of the LAR HVAC project with the Phase 2 project and the aggressive schedule requirements, the University requests Board approval of the selection of InVision Architecture for the LAR HVAC project.

Details of Project:

College of Veterinary Medicine – Laboratory Animal Resources HVAC Improvements

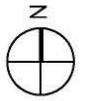
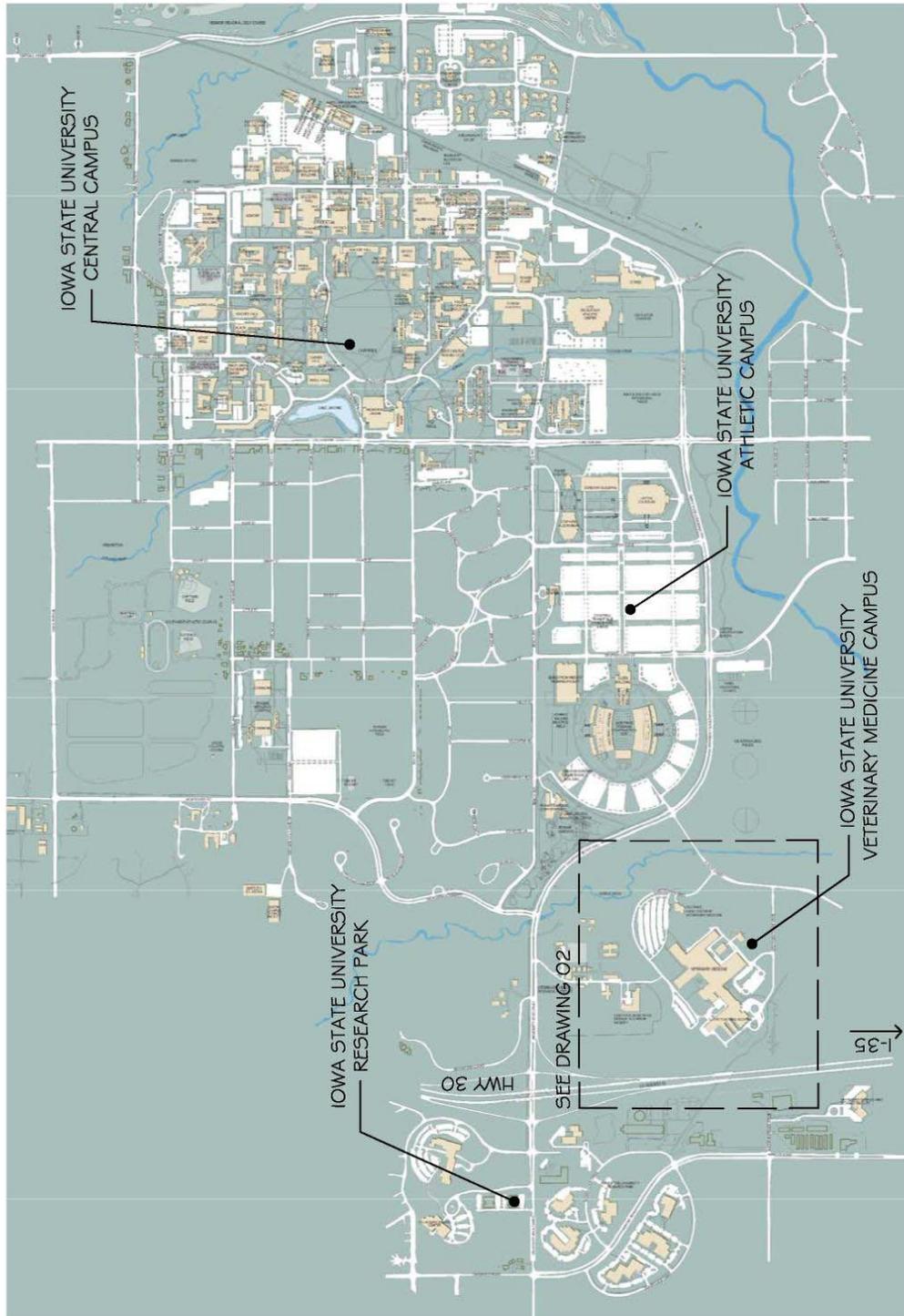
Project Summary

	<u>Amount</u>	<u>Date</u>	<u>Board Action</u>
Permission to Proceed		April 2010	Requested
Selection of InVision Architecture (Waterloo, IA)		April 2010	Requested

The specific goals of the project are: the production of high-quality laboratory animal space, the development of facilities that optimize the recruitment and retention of NIH-supported researchers, and accreditation of the University's Laboratory Animal Resources Core by the Association for the Assessment and Accreditation of Laboratory Animal Care (AAALAC).

The last major overhaul of the HVAC system in the 30 year-old Central Facility was in 1994. Although the building is structurally sound, the mechanical system is aged and energy inefficient. The Central Facility continues to meet USDA standards for animal housing. However, it has recently been cited by the Institutional Animal Care and Use Committee (IACUC) for reduced air flow, improper directional air flow, and low humidity deficiencies. In addition, an AAALAC pre-review last fall expressed concerns about air quality, the need for greater air exchange, and "excessive odors."

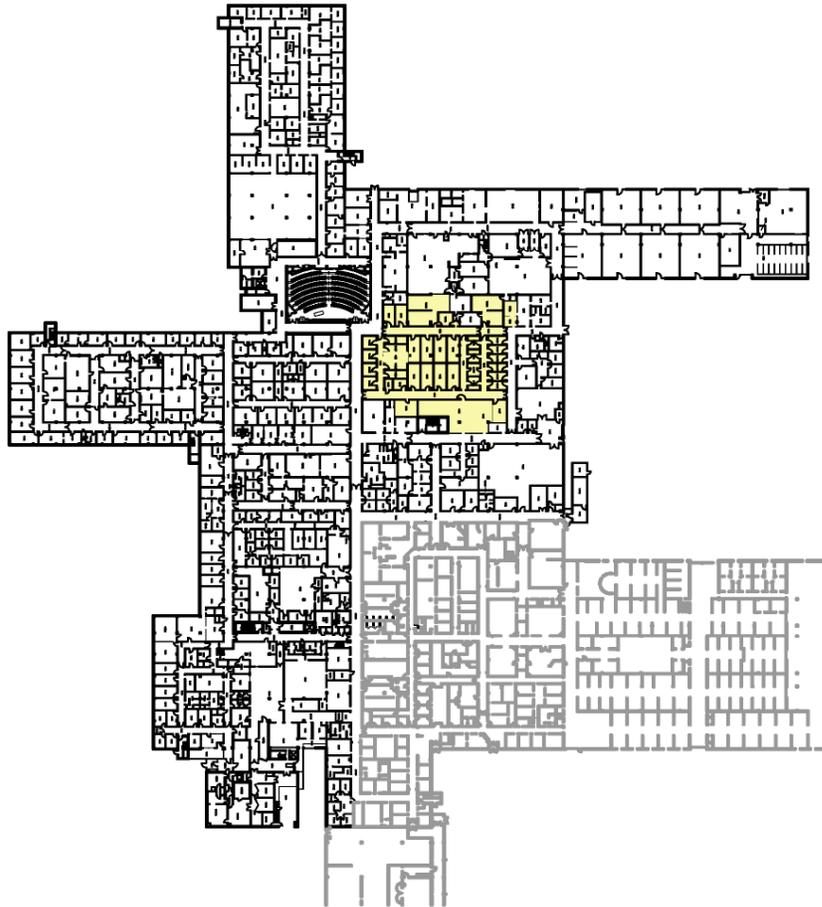
Map



DRAWING 01
NOT TO SCALE

CAMPUS PLAN

Central Laboratory Animal Resources HVAC Improvements



LOCATION PLAN

Central Laboratory Animal Resources HVAC Improvements

Drawing 02

Not to Scale

