Contact: John Nash

REGISTER OF IOWA STATE UNIVERSITY
CAPITAL IMPROVEMENT BUSINESS TRANSACTIONS

Actions Requested: Consider recommending to the Board approval of the following actions for the **Veterinary Medicine-Stereotactic Radiation Therapy Addition** and the **Sukup Hall-Vehicle Dynamometer Lab Remodeling** projects; both major capital projects as defined by Board policy:

- Accept the Board Office review and recommendation that the projects meet the capital project evaluation criteria necessary for Board consideration; and

- Approve the schematic designs, project description and budget ($2,750,000 for Vet Med), and, revised project description and budget ($2,200,000 for Sukup Hall), with the understanding that approval would constitute final Board approval and authorization to proceed with construction.

Veterinary Medicine-Stereotactic Radiation Therapy Addition
(Project #1 of 2)

Executive Summary: The University requests approval of the schematic design, and project description and budget ($2,750,000) for the **Veterinary Medicine-Stereotactic Radiation Therapy Addition** project, which would provide a new radiation therapy space for pets with cancer and remodeled shell space as a recovery area (see Attachment A for location and schematic design). The project would be funded by University Funds, RIIF, and Private Giving.

Veterinary Medicine-Stereotactic Radiation Therapy Addition project: looking north

Background:

	Amount	Date	Board Action
Design Professional Selection (ISU Facilities, Planning & Management)		Nov. 2016	Not Required*
Design Professional Agreement (Preliminary Design only)		Nov. 2016	Not Required*
Program Statement		May 2017	Not Required*
Schematic Design		**Jun. 2017**	**Requested**
Project Description and Budget	**$ 2,750,000**	**Jun. 2017**	**Requested**

*Approved by Executive Director, consistent with Board policies.

This project would provide a 1,320 square foot addition to the Veterinary Medicine Small Animal Hospital, constructed in 2006, that is designed to treat pets with cancer. It would be a pre-manufactured structure that includes a shielded treatment room or vault containing radiation equipment, a control room, storage, and mechanical space. The addition would connect to 430 square feet of existing shell space in the Small Animal Hospital that would be converted into a recovery area. Access into the addition would be from the recovery area (see Attachment A for floor plan). The location of the project is in proximity to a future comparative oncology center.

Project Program:

	Program		Schematic Design	
	NSF	GSF	NSF	GSF
New construction	860	1,320	860	1,320
Remodeled	160	430	160	430
Total	1,020	1,750	1,020	1,750

Project Budget:

Construction	$1,794,980
Planning, Design & Management	179,370
Furniture & Equipment	752,180
Contingency	23,470
Total Project Cost	**$2,750,000**

Source of Funds:

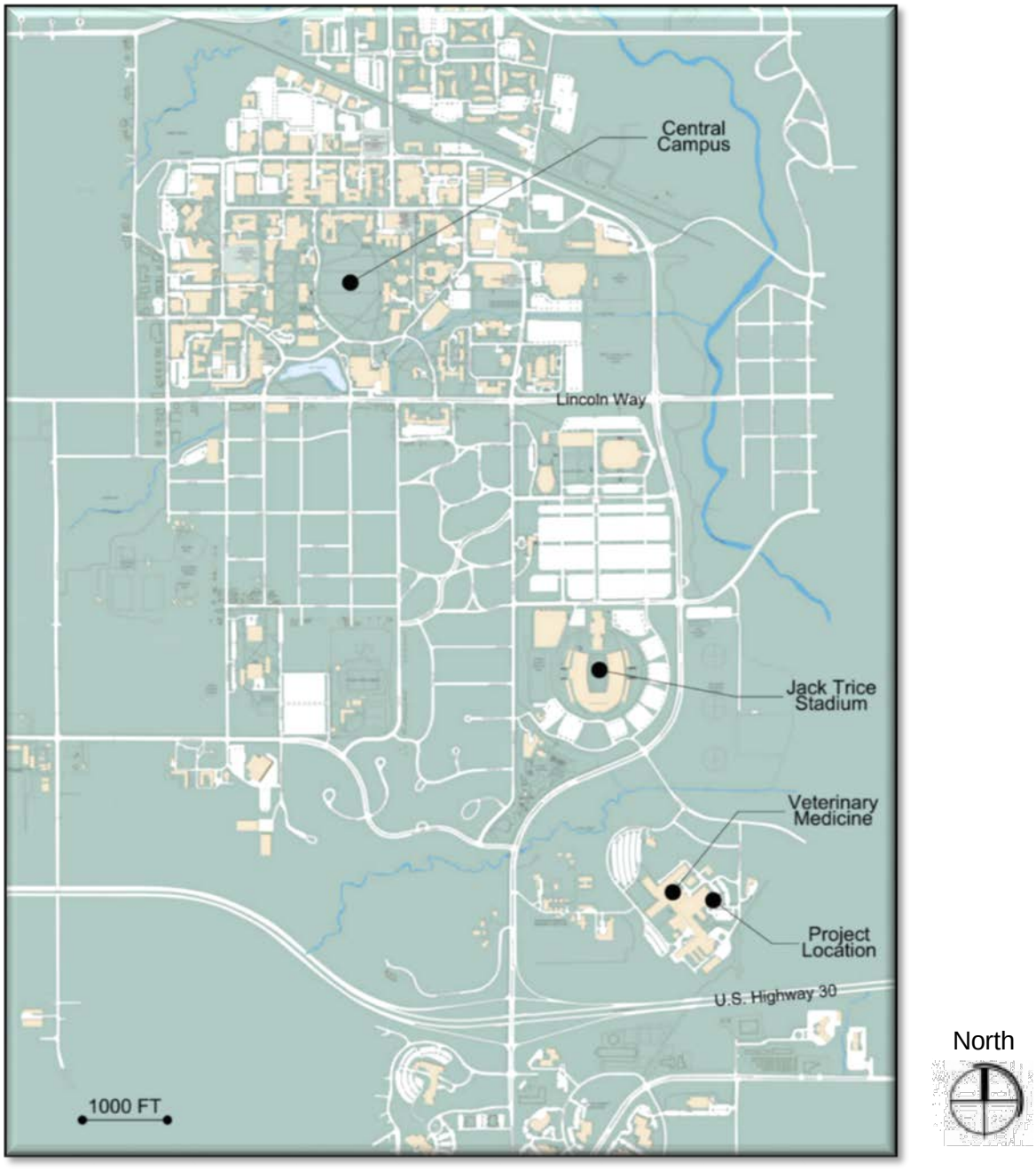
- Project:
  $1,800,000 University Funds + $330,000 RIIF* + $620,000 Private Giving = $2,750,000
  * RIIF = Rebuild Iowa Infrastructure Funds – Capital Appropriations
- Operating & Maintenance: College of Veterinary Medicine Funds

Schedule:

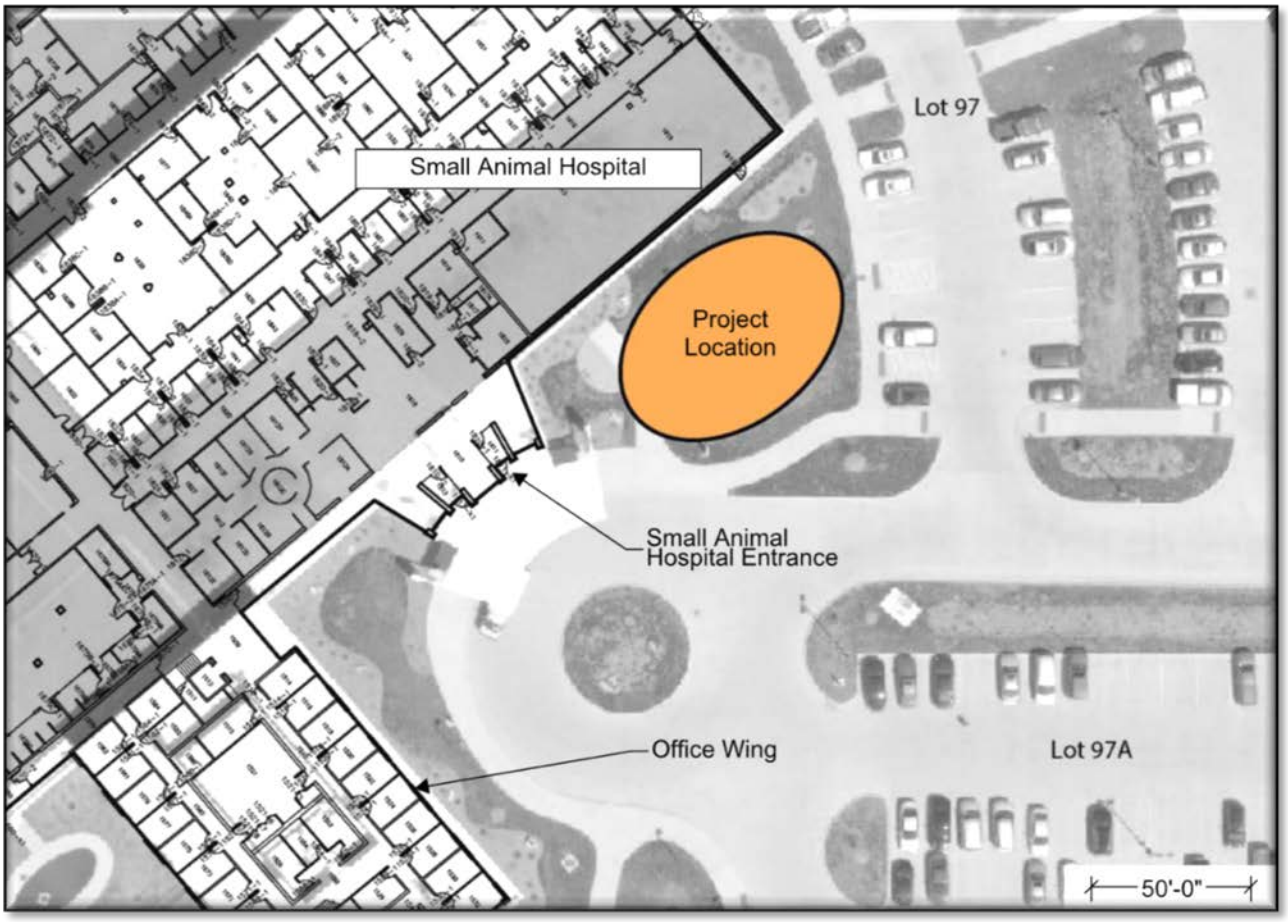
- Construction: October 2017 to January 2018
- Occupancy: February 2018

Veterinary Medicine-Stereotactic Radiation Therapy Addition
Schematic Design

Project Location:

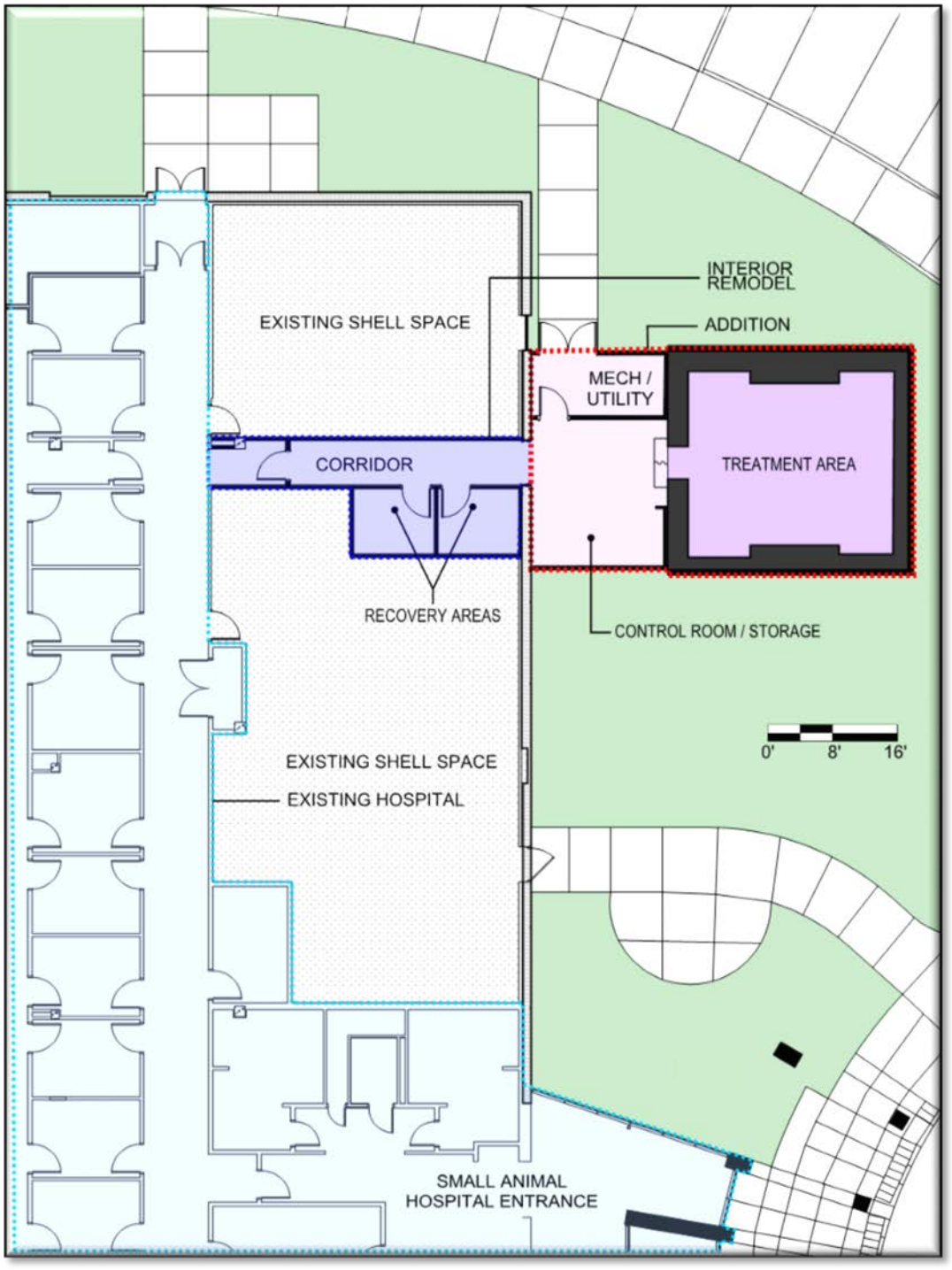


Site Plan:



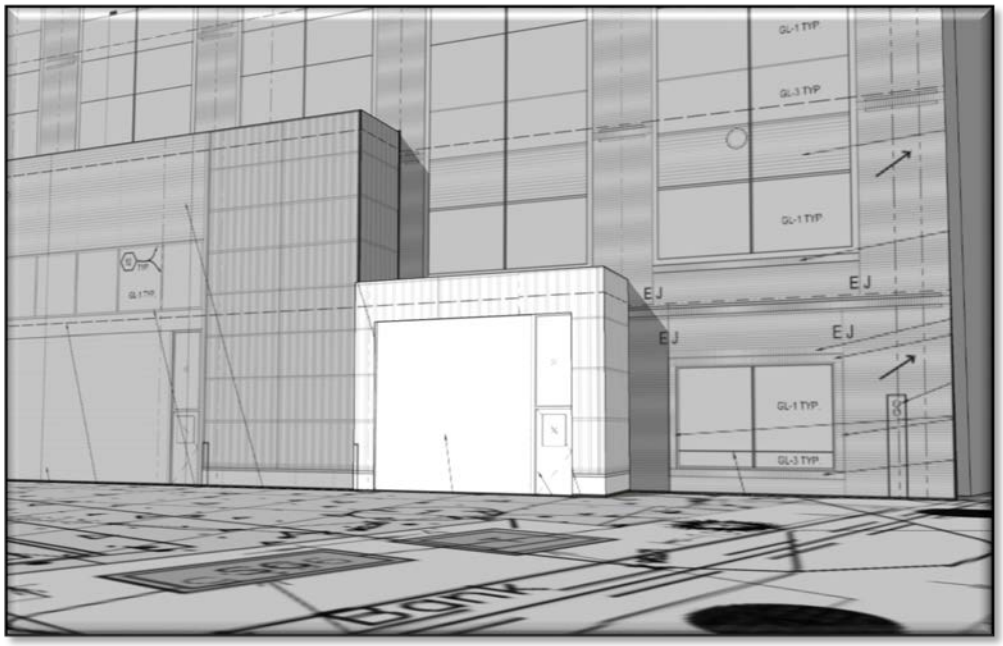
North

Floor Plan:


INTERIOR REMODEL
ADDITION
EXISTING SHELL SPACE
MECH / UTILITY
TREATMENT AREA
CORRIDOR
RECOVERY AREAS
CONTROL ROOM / STORAGE
0'
8'
16'
EXISTING SHELL SPACE
EXISTING HOSPITAL
SMALL ANIMAL HOSPITAL ENTRANCE
North

Sukup Hall-Vehicle Dynamometer Lab Remodeling
(Project #2 of 2)

Executive Summary: The University requests approval of the schematic design, and revised project description and budget ($2,200,000) for the **Sukup Hall-Vehicle Dynamometer Lab Remodeling** project, which would provide a building addition to house an in-floor device (dynamometer) that tests engine force, torque and power (see Attachment B for location). The project would be funded by University Funds and Private Giving.



Sukup Hall-Vehicle Dynamometer Lab Remodeling: looking northeast

Background:

	Amount	Date	Board Action
Project Description and Budget	$ 600,000	Dec. 2015	Not Required*
Program Statement		May 2017	Not Required*
Schematic Design		**Jun. 2017**	**Requested**
Revised Project Description and Budget	**2,200,000**	**Jun. 2017**	**Requested**

***** Approved by Executive Director, consistent with Board policies.

This project would help complete the vision of the College of Agricultural and Biosystems Engineering's Vehicle Power System - Systems Laboratory. The initial design of Sukup Hall, opened in Fall 2014, allowed for future expansion and remodeling of the existing Vehicle Power System - Systems Laboratory located in the southwest corner of ground floor once funds were available. The university has received a private gift to help fund this project including the procurement and installation of equipment.

It would provide a building addition to Sukup Hall's southwest corner, facilitate the installation of an in-floor vehicle chassis dynamometer, and construct any associated electrical, mechanical, and interior wall modifications.

Project Budget:

	Budget (Sep. 2015)	Revised Budget (Jun. 2017)
Construction	$435,500	$1,890,320
Planning, Design & Management	$83,080	$254,960
Contingency	$81,420	$54,720
Total Project Cost	$600,000	**$2,200,000**

The revised budget of $2,200,000, an increase of $1,600,000, reflects costs for:

- additional design services to modify the building and accommodate the new equipment installation and operation.
- additional construction to modify the building and accommodate the new equipment installation and operation.
- procurement and installation of the off-road dynamometer equipment.

Source of Funds:

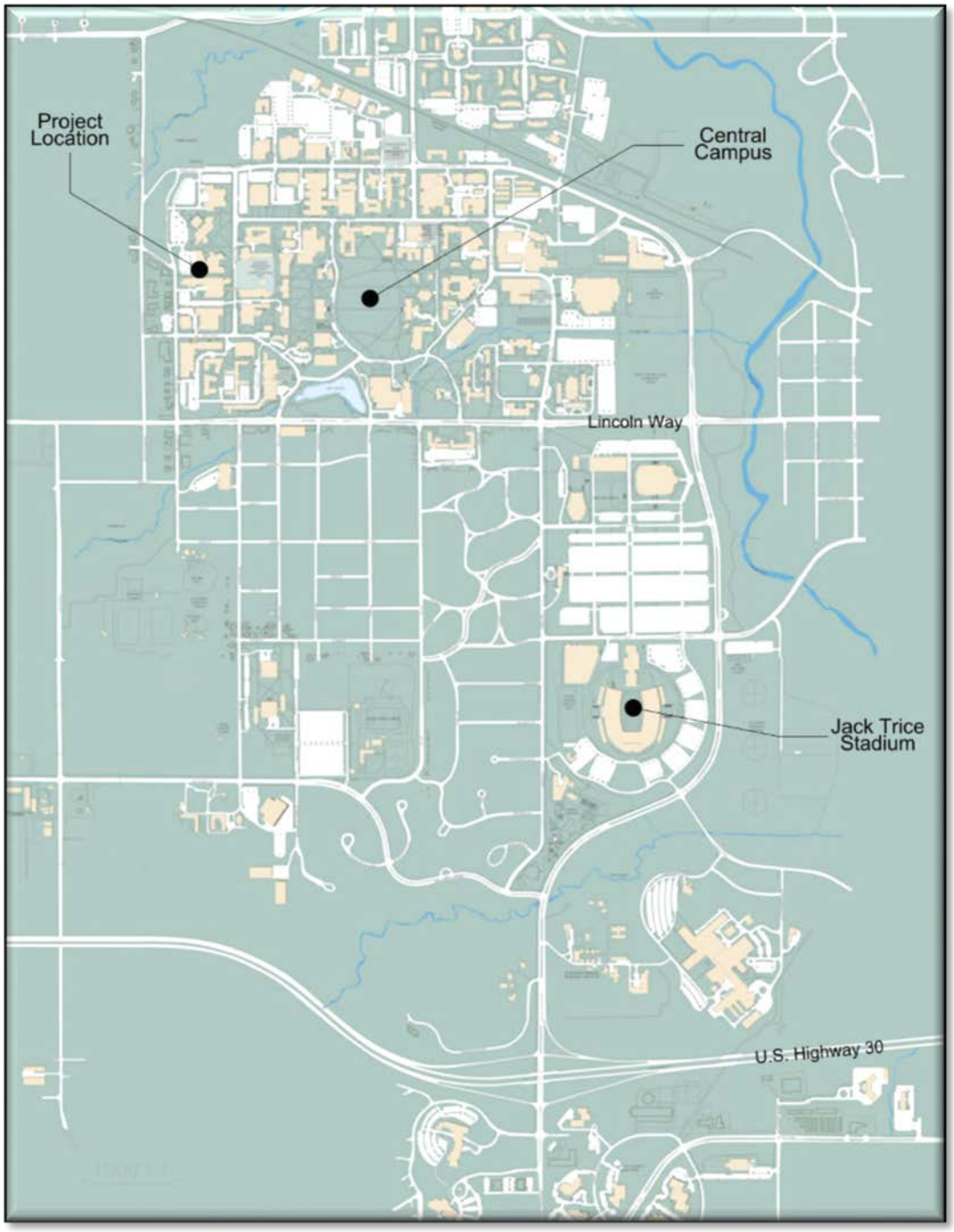
- Project: $1,800,000 Private Giving + $400,000 University Funds = $2,200,000
- Operating & Maintenance: Agriculture and Bioengineering Department Funds

Schedule:

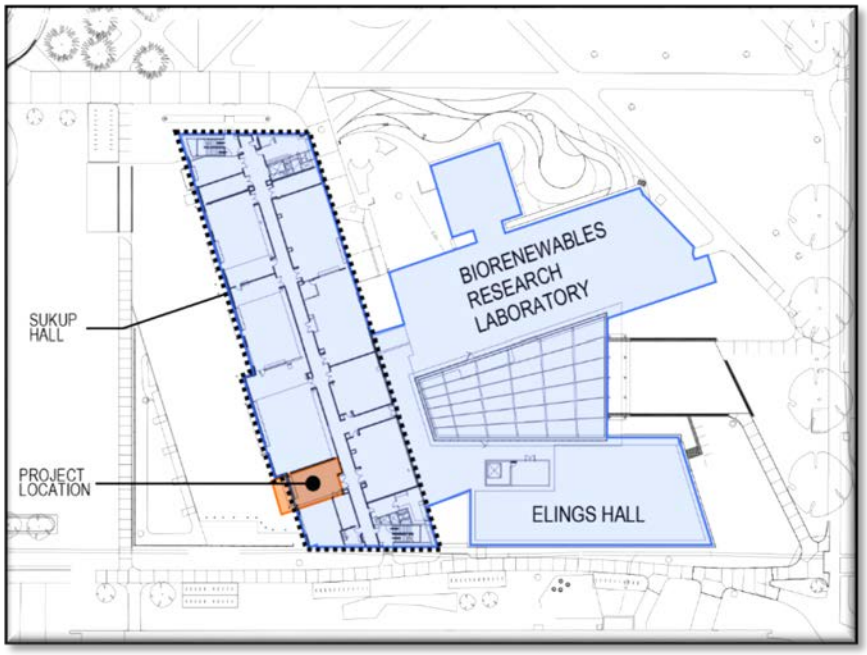
- Construction: January 2018 to June 2018
- Occupancy: July 2018

Sukup Hall-Vehicle Dynamometer Lab Remodeling
Schematic Design

Project Location:

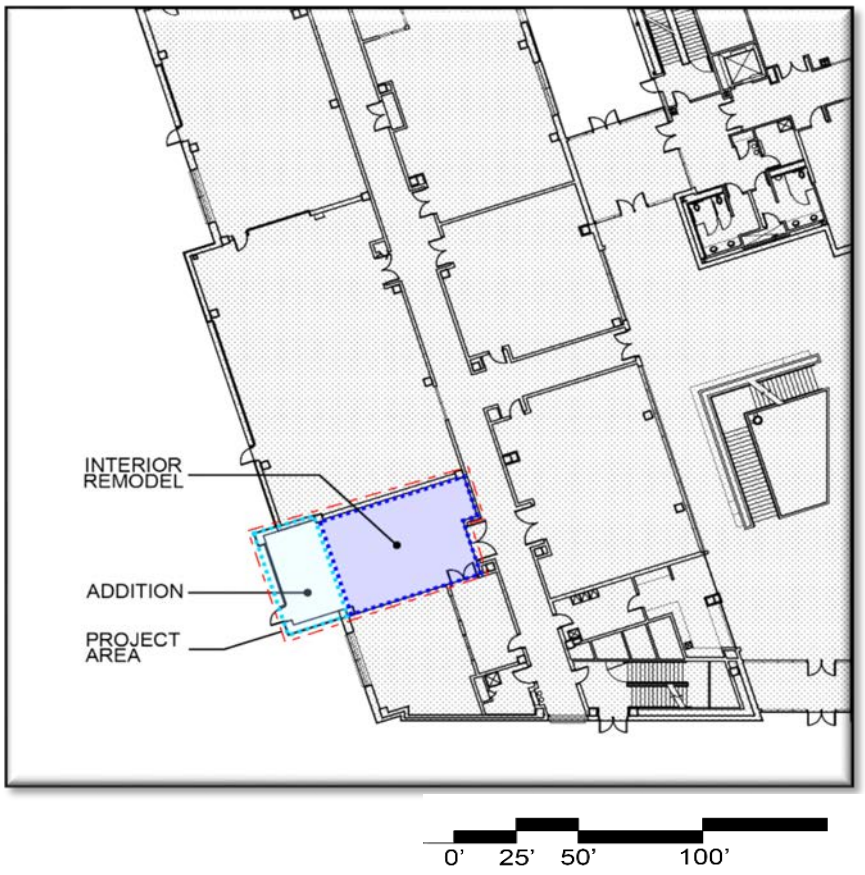


Site Plan:



North

Floor Plan:



North

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