

Board of Governors Facilities Workshop

Earth, Ocean and Atmospheric Science Building (EOAS)

Interdisciplinary Research and Commercialization Building (IRCB)

College of Business Building

September 2015



THE FLORIDA STATE UNIVERSITY



Earth Ocean and Atmospheric Science Building \$35M



Proposed Site



Sitework Begins



North Elevation

2017



Earth Ocean and Atmospheric Science Building \$35M

DEMAND METRICS

- Increase the # of STEM degrees and increase external funding
- Redevelop and renovate an aging 1.2 million square feet of science and research buildings.
- Merged 3 departments to save money, provide innovation in teaching, and increase research potential
- The # of undergraduate majors in EOAS has increased by 250% since 2010, making it the fastest growing program in Arts and Sciences
- Contributes to the success of over 35,000 additional degrees over the life of the building
- Huge research opportunities - \$11 million in external funding expected to at least double
 - Geophysical Fluid Dynamics Lab
 - Center for Oceanic-Atmospheric Prediction Studies



Earth Ocean and Atmospheric Science Building \$35M

ROI

Over \$11 million awarded in contracts and grants – expect to grow significantly with growth in faculty

- Graduated 147 students last year which will result in more than 6500 students over the life of the building
- Bureau of Labor Statistics – job growth in EOAS fields will increase “faster than average” – 14-19% in geosciences and meteorology; 18% geosciences and hydrologists, more than 20% in environmental science
- Considerable demand within Florida (climate and weather forecasting)
- BOG Economic Impact Study – 1,451 construction jobs created
- Raises the stature of a very strong program to the position of an elite program in the nation



Earth Ocean and Atmospheric Science Building \$35M

Total Project Budget: \$69.85 Million

Total Funding Request: \$41 Million

Appropriated 2012-13 3.85 M

Appropriated 2014-15 20.00 M

Appropriated 2015-16 5.00 M

Requested 2016-17 35.00 M

Requested 2017-18 6.00 M

Projected PO&M Costs: \$1.4 M

Project Size:

Floor: 6

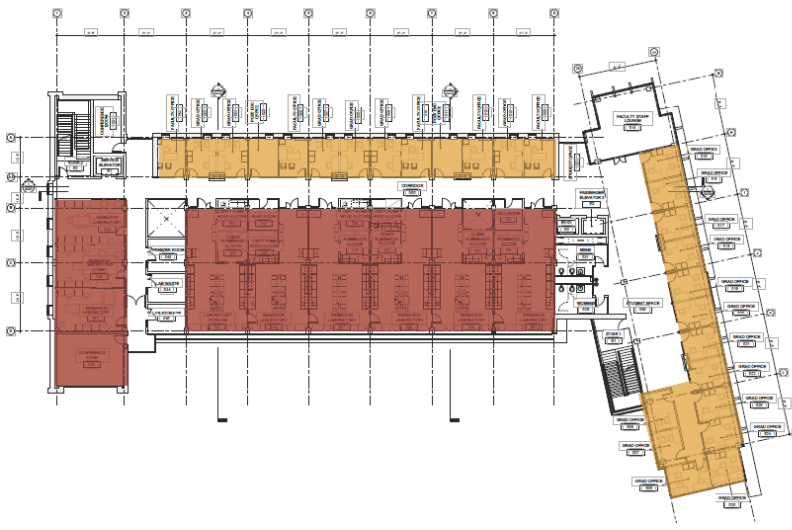
Footprint: 23,000 gsf

Total Area: 135,860 gsf

Project Schedule:

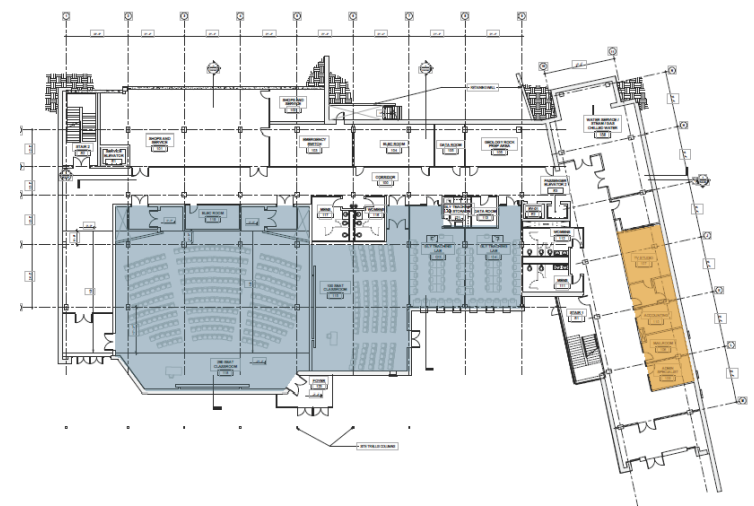
Anticipated Construction Start Date: June 2015

Anticipated Completion Date: June 2017



Research

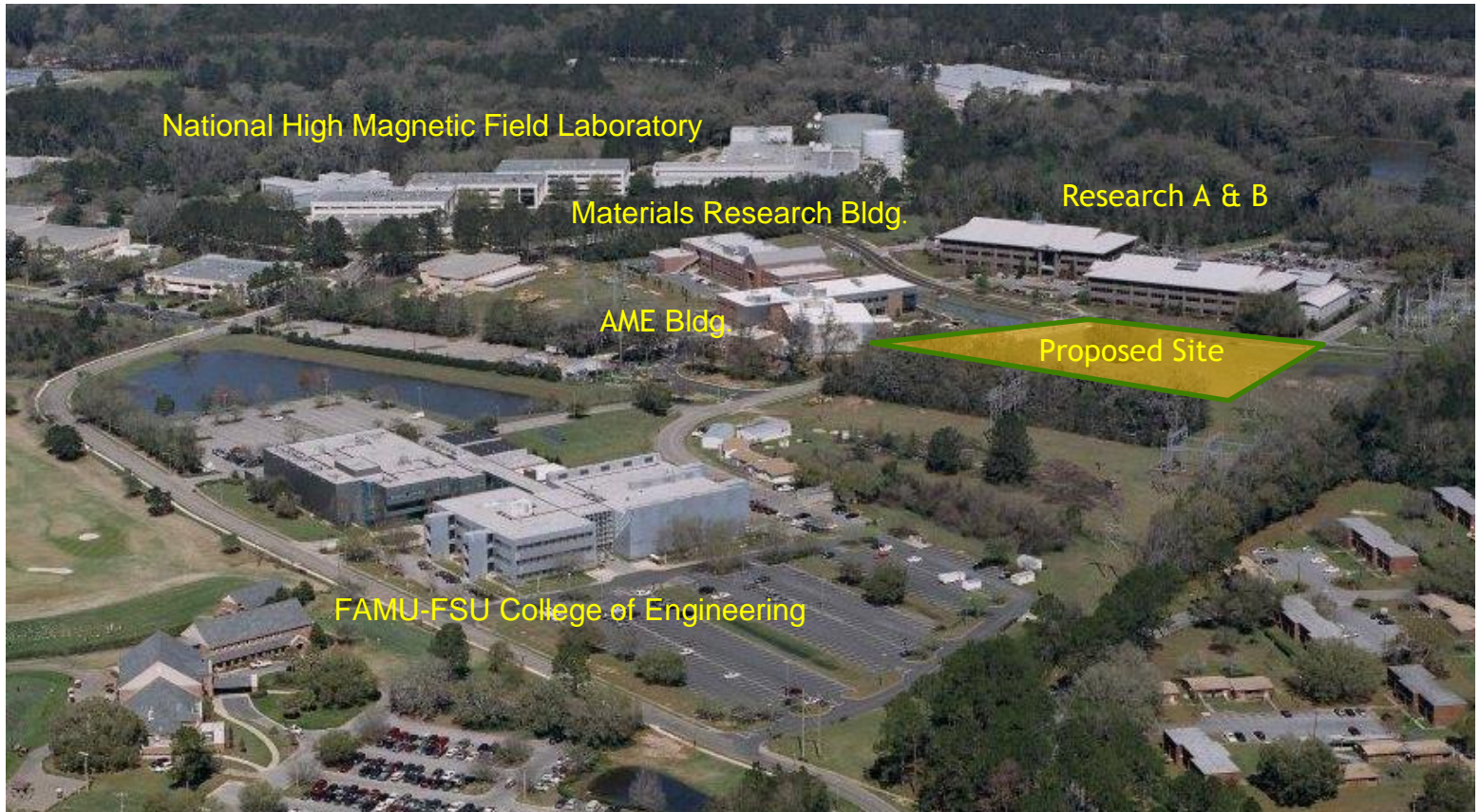
Office



Instructional



Interdisciplinary Research & Commercialization Building \$36M



FSU Southwest Campus

IRCB is a research “condominium” for faculty in the physical sciences, engineering and “hard” biology to coalesce into collaborative groups.



Interdisciplinary Research & Commercialization Building \$36M

- Leverages private funds that will house 24-26 faculty groups from as many as seven different academic units
- Will house new faculty hires in interdisciplinary physical sciences & engineering
- Shared core facilities
- Provides incubator space for development of spin-off companies





Interdisciplinary Research & Commercialization Building \$36M

ROI

Creates a unique research experience learning environment for undergraduate and graduate students in STEM *Programs of Strategic Emphasis* (BOG) including engineering disciplines, chemistry, physics and computational sciences and provides space necessary to recruit and house new faculty hires in these key areas

- **24-26** new faculty groups
- **120** graduate students (**20-25 additional STEM graduate degrees** per year)
- **30-50** undergraduate researchers per year (**30** engineering senior design **capstone projects** per year)
- **Facilitates employment opportunities of students** through interactions with private sector users of core facilities and incubator space
- BOG Economic Impact Study – 1,900 construction jobs created

Increased productivity

- **\$5,000,000** in additional **contract & grant awards** per year which equates to more than **\$200,000,000** over the life of the building
- **10-15** additional **invention disclosures** per year or more than **500** over the life of the building
- **5-8** additional **patents** per year or more than **300** over the building life

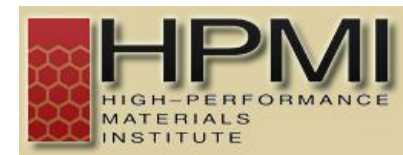


Interdisciplinary Research & Commercialization Building \$36M

ROI cont.

Provides a new model for research lab space that is open, flexible, and has the ability to grow and change over the anticipated lifespan of the building (“research condominium” model)

Leverages adjacencies of the National High Magnetic Field Laboratory, Applied Superconductivity Center, High Performance Materials Institute, Aero-Propulsion Mechatronics & Energy Center and Center for Advanced Power Systems.





Interdisciplinary Research & Commercialization Building \$36M

Total Project Budget:

\$85 M = \$41 M State + \$44 M Private Funds
(107% match of State funds)

Total Funding Request: \$41M

Request for 2016-2017	\$ 36 M
Request for 2017-2018	\$ 5 M

Projected PO&M Costs: \$1.8 M

Projected Schedule:

Anticipated Construction Start Date:	July 2016
Anticipated Construction Completion Date:	June 2018

Projected Size: 130,000 gsf





College of Business \$2.5M

Legacy Hall

- Seven departments, including the Dedman School of Hospitality
- Eleven centers and institutes
- 6,000+ students, faculty, and staff
- Entrepreneurial space along active edges
- Anchors the SE corner of campus; Beginning and ending of Legacy Walk
- Helps to connect FSU with business and government communities





College of Business \$2.5M

ROI

Leverages funds provided through private donations that will increase enrollments in high demand programs such as entrepreneurship, professional sales, finance, and accounting

Enhances degree production in *Programs of Strategic Emphasis* including accounting, finance, banking, human resources, and insurance. Graduated 1,693 students last year which will result in more than 66,000 students over the life of the building

The Bureau of Labor Statistics projects substantial job growth in Business fields that range from 13% to 26% over the next ten years. Job growth projections for actuaries are up 26.1%, management analysts up 18.6%, financial analysts up 15.5%, human resource managers up 13.2% and accountants up 13.1%

BOG Economic Impact Study – 1,856 construction jobs created

Provides a 44% increase in instructional, collaborative, and entrepreneurial space to accommodate advanced networking and career development opportunities, which will enhance start-up creation, corporate recruiting activities, job placement, and starting salaries.



College of Business \$2.5M

ROI continued

Creates incubator space that ties in with other entrepreneurial spaces on campus and in the community – all with the goal of enhancing start-up creation and economic development.

Creates a full-service internship and professional development program by creating space that does not exist.

Allows the COB's centers and institutes to create new programs and research activities that will draw in the business community exposing students to both executives and government agencies.

Creates incredible synergies with a new conference hotel and conference center in the Arena District, which, along with the College of Law, creates a major professional and innovation hub for the region.





College of Business \$2.5M

Total Project Budget:

\$83M = \$40M State + \$43M Private Donations
(107% match of State funds)

Total Funding Request: \$40.0M

Request for 2016-2017	\$ 2.5 M
Request for 2017-2018	\$ 33.5 M
Request for 2018-2019	\$ 4.0 M

Projected PO&M Costs: \$ 2.1M

Project Schedule:

Anticipated Construction Start Date: November 2017
Anticipated Construction Completion Date: June 2019

Project Size: 216,000 gsf

