Board of Governors Facilities Workshop 2018

PRESIDENT JOHN THRASHER ▪ OCTOBER 16, 2018

College of Business Legacy Hall

College of Business Legacy Hall

Project Information

Prior State Funding	$	13,500,000
Future State Funding Requests		
FY 2019-2020	$	17,000,000
FY 2020-2021	$	10,000,000
FY 2021-2022	$	3,500,000
Other Sources (Private)	$	44,000,000
Total Project Budget	$	88,000,000
Projected PO&M Costs	$	2,800,000

Net Square Footage	124,193
Gross Square Footage	218,392
Proposed Completion:	**Fall 2021**

College of Business Legacy Hall

Return on Investment (ROI)

- Six departments, 10 research centers, 6,000+ students, faculty and staff
- Leverages funds provided through private donations
- Provides a 44% increase in instructional, collaborative, and innovation space to enhance degree production in *Programs of Strategic Emphasis* including accounting, finance, human resources and insurance. This will enhance corporate recruiting, job placement and starting salaries expected from the growth in demand for business graduates.
- Expands FSU's innovation space to create new programs and research activities that will draw in the business community and significantly impact economic development in the region.
- 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.
- Total request includes all costs of design, site development (including on-site parking), construction and furnishings/equipment.

Interdisciplinary Research & Commercialization Building (IRCB)

Proposed Start Date: 2019
Proposed Completion Date: Fall 2021

Site

Interdisciplinary Research & Commercialization Building (IRCB)

Project Information

Prior State Funding	$	16,274,101
Future Funding Requests		
FY 2019-2020	$	22,225,899
FY 2020-2021	$	5,000,000
Other Sources (FSU)		
Prior	$	9,000,000
Future	$	35,000,000
Total Project Budget	$	85,000,000
Projected PO&M Costs	$	1,800,000

Net Square Footage	75,000
Gross Square Footage	114,200

Interdisciplinary Research & Commercialization Building (IRCB)

Return on Investment (ROI)

Money Generated

- Facility will house up to 30 interdisciplinary faculty research groups within the academic areas listed below. These groups will have the potential aggregate external research funding of $10.5M per year
- It is anticipated that these groups will generate as many as 64 discovery/invention disclosures and up to 16 patents per year
- IRCB will leverage proximity to major research assets, such as the Mag Lab, to create unique synergies for pursuit of external funding

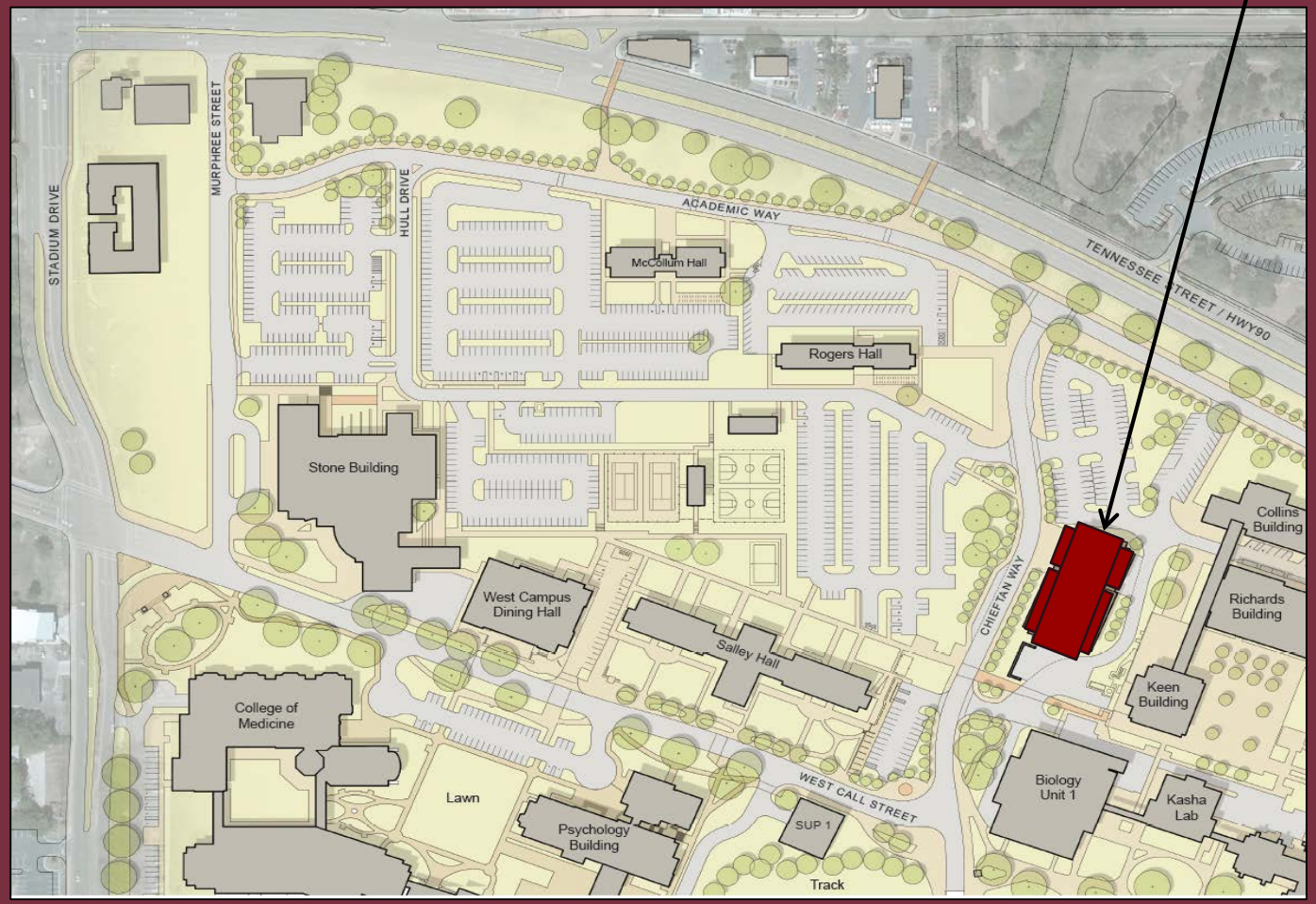
Academic Area Impacted

- Facility will accommodate approximately 72 undergraduate, 145 graduate and 26 postdoctoral researchers in disciplines ranging from Physical Science to traditional Engineering disciplines
- At full capacity the facility will contribute to the production of 30-40 additional degrees in STEM disciplines per year (degree programs- Physics, Chemistry, Materials Science & Engineering, Computational Science and at least five Engineering programs)
- The above disciplines fall with the Areas of Strategic Emphasis

Correction of Existing Problems – It is anticipated over the next five year there will be significant growth in STEM faculty for which current space is insufficient to hire the best and the brightest candidates.

STEM Teaching Lab Building

STEM Teaching Lab



NW Corner Main Campus

STEM Teaching Lab Building

Project Information

Prior State Funding	$	4,233,813
Future State Funding Requests		
FY 2019-2020	$	6,966,187
FY 2020-2021	$	28,800,000
FY 2021-2022	$	6,000,000
Total Project Budget	$	46,000,000
Projected PO&M Costs	$	900,000

Net Square Footage	48,500
Gross Square Footage	72,750
Proposed Completion:	**Fall 2022**

STEM Teaching Lab Building

Return on Investment (ROI)

Graduation Statistics

- The College of Arts and Sciences graduated 1,624 science area students last year, all of them needing science lab courses
- The number of science area degrees awarded has increased by 63% since 2010
- The number of science area majors has increased in each of the last 10 years

Space Demands

- Current lab teaching facilities are inadequate for handling anticipated growth of science lab courses; many are outdated as contemporary teaching environments. Project will provide 15 wet and 9 dry labs and associated support spaces
- The launch of two new degree programs, the Interdisciplinary Medical Sciences degree (800 new majors) and the Neuroscience major, will place greater strains on existing teaching space

Jobs Created (Anticipated)

- The new building will help FSU increase degrees in areas of strategic emphasis, as determined by the Board of Governors

STEM Teaching Lab Building

Return on Investment (ROI)

Existing Facilities

- There is a shortage of space for teaching lab science courses
- The space that does exist is aging and in need of upgrading
- A recent Quality Enhancement Review made a strong recommendation for upgrading teaching lab equipment and expanding space

Students

- Students entering FSU increasingly seek to study science and come with advanced credit that mean they are starting at higher levels than previously. This has created pressure on upper level lab courses to expand.
- The opportunity to learn in sophisticated lab settings helps to better prepare students for the job market.

Undergraduate Research

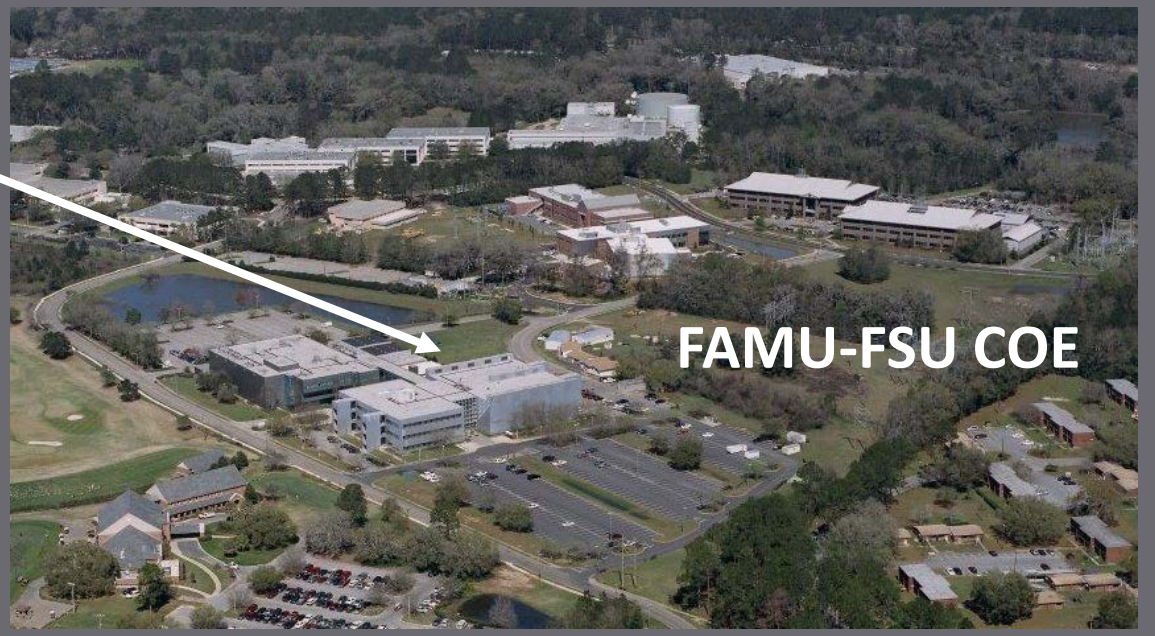
- State of the art teaching lab facilities will enhance undergraduate research opportunities for students, thus making them even more competitive for the job market or post-graduate study.

FAMU-FSU College of Engineering Building C

FCO Requests

2019-20 Request	**$15,200,000**
2020-21 Request	$66,000,000
2021-22 Request	$ 5,800,000
Total Project Request	**$87,000,000**

Projected PO&M Costs	**$2.0 M (est.)**



FAMU-FSU College of Engineering Building C

FAMU-FSU College of Engineering Building C

Project Size:

Net Square Footage	106,000
Gross Square Footage	163,867

Project Schedule:

Proposed State Date	October 2020
Proposed Completion Date	December 2022

Educational Plant Survey

- Project recommended by Educational Plant Survey team in August 2017
  - Request for new space originated in 2002 and is now urgently needed
- Project allows College's square footage to "catch up" to current enrollment. No anticipated growth factored into the recommendation.

Return on Investment (ROI)

Programs and Enrollment

- College has 6 BS programs, 7 MS programs and 6 PhD programs that produce over 500 graduates a year. Two additional programs begin this fall (BS in Biomedical Engineering and MS in Systems Engineering)
- New space will include essential classroom and study space; research space and academic support space.
- Building C space is critically needed for increases in retention, progression and graduation rates.
- New facility will help College recruiting to increase its enrollment and meet its goal of doubling the number of graduates.

Jobs Created (Anticipated)

- Building C is anticipated to create 810 jobs (January 2013 Economic Impact study prepared by the Board of Governors).

FAMU-FSU College of Engineering Building C

Return on Investment (ROI)

Strategic Emphasis

- Project is in an area of strategic emphasis as determined by the BOG. Building C will serve 6 critical engineering disciplines that are strategically important STEM fields.
- Will increase current annual research expenditures to over $40M, increase inventions by 25 per year, and spin-off an additional 2 companies per year.

Business Partnerships

- The unique diversity of the college will attract more company involvement and use of spaces for education and research. The College has recently increased the number of participating companies to 70. Building C will provide space for expanding these partnerships, thereby providing greater opportunities for job placement, internships and economic impact.

Space Demands

- Current lab teaching facilities, labs and classrooms are inadequate for handling engineering curriculum and student demands; many are outdated as contemporary teaching environments. Student outcomes are negatively impacted and recruiting is inhibited until Building C is completed.
- Project will also seek to make minor renovations to the College's existing facilities to address ADA, life safety, and energy efficiency.

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