

Office of the Chief Financial Officer and Treasurer

April 14, 2023

The Honorable Eric J. Holcomb Governor of the State of Indiana Statehouse Indianapolis, IN 46204

Dear Governor Holcomb:

At its meeting on April 14, 2023, the Purdue University Board of Trustees approved the planning, financing, construction and award of construction contracts for the Birck Nanotechnology Center Clean Room Modernization, Related Renovations and Equipment Purchases on the West Lafayette campus.

This project will renovate approximately 13,000 GSF of existing clean room space to accommodate new research. Existing occupants will be relocated, and space will be renovated as needed to accommodate them. This project includes the purchase of specialty research equipment and the installation of new air handling units and upgraded utility equipment.

This project helps create the environment required for new semiconductor and quantum-focused research that helps attract industrial partnerships to the university. The project supports the *Purdue Moves 2.0:* National Security and Technology Initiative and enables Purdue to be competitive in future CHIPS Act grant opportunities.

The estimated total project cost is \$49,000,000, to be funded by \$30,000,000 of Operating Funds – Reserves and \$19,000,000 in Gift Funds.

Subject to review by the Commission for Higher Education and recommendation by the State Budget Committee and the Budget Agency, we request your approval to proceed with this project. Attached are the completed forms that the Commission has prescribed for its review of such projects. We will be happy to answer any questions you or your staff may have or to provide any additional information that is needed.

Sincerely,

CLCRS

Christopher A. Ruhl Chief Financial Officer and Treasurer

Attachments

c: Seth Hinshaw, Chief Financial Officer, Indiana Commission for Higher Education Zachary Jackson, Director, Indiana State Budget Agency Jasmine Williams, Assistant Director, Indiana State Budget Kathleen Thomason, Comptroller, Purdue University Anne Hazlett, Senior Director, Government Relations, Purdue University

PROJECT COST SUMMARY

Birck Nanotechnology Center Clean Room Modernization, Related Renovations and Equipment Purchases

Institution:PurdueCampus:West LafaPreviously approved by General Assert			<u>Budget Agency Project No.:</u> <u>Institutional Priority:</u> <u>Previously recommended by CHE:</u>	<u>N/A</u>	<u>B-1-23-2-15</u> <u>No</u>
Part of the Institution's Long-term Ca	pital Plan: <u>Yes</u>				
		_	_		
Project Size: 20,000 GSF (1)	15,500 ASF (2)	0.78	ASF/GSF		
Net change in overall campus space:	0 GSF	0	ASF		
<u>Total cost of the project (3):</u> Total cost of the demolition:	<mark>\$ 49,000,000</mark> \$ -	<u>Cost per ASF/</u>	<u>GSF:</u>	\$ 2,450.00 GSF \$ 3,161.29 ASF	
Funding Source(s) for project (4):	Amount 30,000,000 19,000,000 	(Type Operating Funds - Reserves Gift Funds		
Estimated annual debt payment (6):	\$0				
Are all funds for the project secured:	Yes				
Project Funding: The project is being funded primarily by					
The project is being funded primarily by	Operating Funds - Reserve	s with remaining	contributions from Ont Funds.		
Project Cost Justification					
This project's scope and cost are describ equipment purchases (\$19M in moveabl in capital construction costs, which equa	e equipment as noted in the				
Estimated annual change in cost of bui	lding operations based on	the project:	\$ 46,314	4	
Estimated annual repair and rehabilit	ation investment (5):	\$ 735,000]		

(1) Gross Square Feet (GSF)- Sum of all area within the exterior envelope of the structure.

(2) Assignable Square Feet (ASF)- Amount of space that can be used by people or programs within the interior walls of a structure. Assignable square feet is the sum of the 10 major assignable space use categories: classrooms, laboratories, offices, study facilities, special use facilities, general use facilities, support facilities, health care facilities, residential facilities and unclassified facilities. For information on assignable space use categories, see Space-Room Codes tab.

(3) Projects should include all costs associated with the project (structure, A&E, infrastructure, consulting, FF&E, etc.)

(4) Be consistent in the naming of funds to be used for projects. If bonding, note Bonding Authority Year (1965, 1929, 1927, etc.)

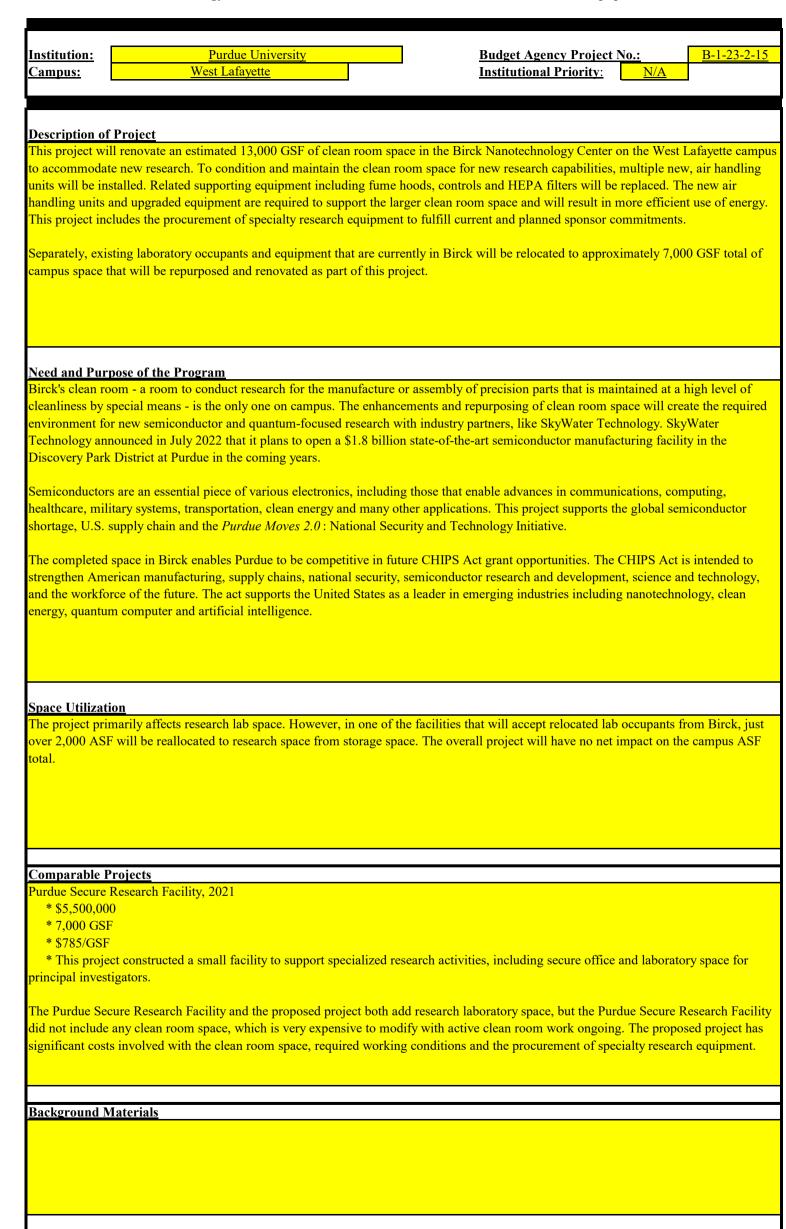
(5) Estimate the amount of funding the institution would need to set aside annually to address R&R needs for the project. CHE suggests 1.5% of total construction cost

(6) If issuing debt, determine annual payment based on 20 years at 4.75% interest rate

- If project is a lease-purchase or lease, adjust accordingly. Note the total cost of the lease in the project cost, and annual payments in project description

PROJECT DETAILED DESCRIPTION - ADDITIONAL INFORMATION

Birck Nanotechnology Center Clean Room Modernization, Related Renovations and Equipment Purchases



CAPITAL PROJECT REQUEST FORM INDIANA PUBLIC POSTSECONDARY EDUCATION

INSTITUTION CAMPUS SPACE DETAILS FOR Birck Nanotechnology Center Clean Room Modernization, Related Renovations and Equipment Purchases

	(Current Campus Tota	ıls		Capital F	Request	
(INSERT PROJECT TITLE AND SBA No.)	Current Space in Use	Space Under Construction (1)	Space Planned and Funded (1)	Subtotal Current and Future Space	Space to be Terminated (1)	New Space in Capital Request (2)	Net Future Space
A. OVERALL SPACE IN ASF							
Classroom (110 & 115)	336,770	-	(2,758)	334,012			334,012
Class Lab (210,215,220,225,230,235)	821,564	4,425	(17,763)	808,226			808,226
Non-class Lab (250 & 255)	1,689,952	28,557	(6,857)	1,711,652		1,887	1,713,539
Office Facilities (300)	2,327,144	(3,312)	(47,907)	2,275,925			2,275,925
Study Facilities (400)	397,274	8,166	48,926	454,366			454,366
Special Use Facilities (500)	1,206,038	8,796	3,603	1,218,437			1,218,437
General Use Facilities (600)	1,018,077	6,056	(31,581)	992,552			992,552
Support Facilities (700)	2,934,774	(726)	(618)	2,933,430	(1,887)		2,931,543
Health Care Facilities (800)	217,205	-	-	217,205			217,205
Resident Facilities (900)	2,427,355	-	-	2,427,355			2,427,355
Unclassified (000)	115,749	-	-	115,749			115,749
B. OTHER FACILITIES							
(Please list major categories)							
TOTAL SPACE	13,491,902	51,962	(54,955)	13,488,909	(1,887)	1,887	13,488,909

Notes:

- Space/Room codes based on Postsecondary Ed Facilities Inventory and Classification Manual (2006)

(1) Identify in a footnote the specific facilities that are included in the data in these columns. Do not include pending approval, non-submitted projects or non-funded projects

Space under construction includes:

- Schleman/Stewart Renovation

- Whistler Mechanical Project

- Ross-Ade Stadium Renovation

- Zucrow High Speed Propulsion Lab

- Mackey Locker Rooms Renovation

Space planned and funded includes:

- Life Sciences Phenotyping Greenhouse Building

- Northwest Chiller Plant System Improvements

- Vawter Hall Electrical Enhancements and Replacement

- Brown Family Hall Renovation

- PMU 2nd Floor Hospitality Renovation

- Libraries Study Space Renovation

- University Hall and Related Renovations

- Mechanical Engineering Building Renovation

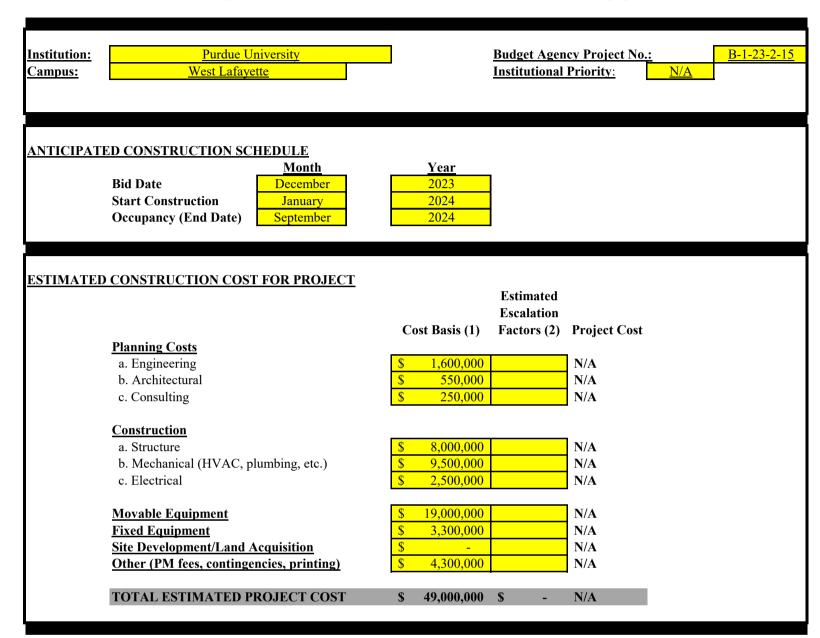
- Chilled Water Capacity Enhancement Projects

Space to be terminated as part of this project includes: - Support (storage) space

(2) Space added as part of this project includes:Research space

CAPITAL PROJECT COST DETAILS

Birck Nanotechnology Center Clean Room Modernization, Related Renovations and Equipment Purchases



(1) Cost Basis is based on current cost prevailing as of: (INSERT MONTH AND YEAR)

(2) Explain in the Description of Project Section of the "Cap Proj Details" schedule the reasoning for estimated escalation factors

CAPITAL PROJECT OPERATING COST DETAILS

Birck Nanotechnology Center Clean Room Modernization, Related Renovations and Equipment Purchases

			GSF OF AREA	AF	FECTED	BY I	PROJECT	
NUAL OPI	ERATING COST/SAVINGS (1)	ost per GSF	Total Operating Cost		Personal Services	-	oplies and benses	
	1. Operations	\$ 5.01	\$ 15,036	\$	15,036	\$	-	
	2. Maintenance	\$ 0.51	\$ 1,528	\$	1,528	\$	-	
	3. Fuel	\$ -	\$ -	\$	-	\$	-	
	4. Utilities	\$ 8.98	\$ 26,930	\$	-	\$	26,930	
	5. Other	\$ 0.94	\$ 2,820	\$	-	\$	2,820	
	CSTIMATED OPERATIONAL COST/SAVINGS	\$ 15.44	\$ 46,314	\$	16,564	\$	29,750	

(1) Based on figures from "Individual Cap Proj Desc" schedule

cost of the building is projected to increase due to the amount of clean room space to be added.