

OFFICE OF THE TEASURER AND CHIEF FINANCIAL OFFICER

July 11, 2019

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

Dear Governor Holcomb:

At its meeting on July 2, 2019, the Purdue University Board of Trustees approved the planning, financing, construction and award of construction contracts for the Engineering and Polytechnic Gateway building on the West Lafayette campus.

The project will construct a new, 255,000 gross square foot facility to support increased enrollment in both the College of Engineering and the Polytechnic Institute by providing instructional space, teaching labs, design studios, research space and collaborative space. The existing Nuclear Engineering Building and Michael Golden Engineering Laboratories and Shops will be demolished to make way for the new building.

This project was originally planned to be delivered in two phases. A recent pledge of donor funding will allow both phases to commence as one project. This \$140,000,000 project will be funded by fee-replaced debt in the amount of \$60,000,000, gift funds of \$74,034,070 and operating funds-reserves of \$5,965,930.

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,

William E. Sullivan

Treasurer and Chief Financial Officer

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Attachments

c: Alecia Nafziger, Associate Commissioner and Chief Financial Officer, Indiana Commission for Higher Education
Zachary Jackson, Director, Indiana State Budget Agency
Kathleen Thomason, Comptroller, Purdue University
Anthony Hahn, Director, State Relations & Policy Analysis, Purdue University

PROJECT COST SUMMARY

Institution: Purdue University Campus: West Lafayette	Budget Agency Project No.: Institutional Priority: One B-1-19-1-08A
Previously approved by General Assembly: Yes	Previously recommended by CHE: Yes
Part of the Institution's Long-term Capital Plan: Yes	
Project Size: 255,000 GSF (1) 144,685 ASF (2) 0.5	67392157 ASF/GSF
Net change in overall campus space: 149,640 GSF	81,500 ASF
Total cost of the project (3): Total cost of the demolition: \$ 140,000,000 \$ Cost \$ -	549.01961 GSF 967.61931 ASF
Funding Source(s) for project (4): Amount \$ 60,000,000 \$ 74,034,070 \$ 5,965,930	Type Fee Replaced Debt Gift Funds Operating Funds-Reserves
Estimated annual debt payment (6): \$4,414,905	
Are all funds for the project secured: No	
Project Funding: A portion of funding was provided by the state through Fee-Replaced Debt, Reserves. Unsecured Gift Funds will be back-stopped by Operating Funds-I	
Project Cost Justification	
This project is similar to the project listed in the comparable project section	though it is larger.
Estimated annual change in cost of building operations based on the pro-	2,100,000

- $(1)\ Gross\ Square\ Feet\ (GSF)\mbox{-}\ Sum\ of\ all\ area\ within\ the\ exterior\ envelope\ of\ the\ structure.$
- (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

Institution: Campus:	Purdue University West Lafayette	Budget Agency Project No.: Institutional Priority: One	B-1-19-1-08A
Description of Pro			
Engineering Labora		OGSF facility located where Nuclear Engineering and Mi priginally envisioned as two phases. A recent pledge of do	
campus and provide		te, the building will act as a new entrance/gateway to Puridor (which runs along Third Street from Horticulture Par	
	tories, classrooms research space and collaborative inter-disciplinary oppo	rive spaces will be included with the goal of maximizing strunities.	shared spaces
Engineers, Industria Women in Engine Minority Enginee Office of Engineeri Global Engineeri Engineering Hon	al Engineering, Nuclear Engineering, and the foreering Program ering Program ering Student Successing Programs and Partnerships ors Program ergraduate Research Office ional Practice	grams in the Gateway Building: First Year Engineering ,Collowing student success programs:	Office of Future
The Polytechnic Ins School of Engineeri	titute is planning to house a variety of instruction	onal spaces, teaching labs and faculty/administrative officenagement Technology, Computer Information Technology Office of Student Recruiting, Retention and Diversity.	
Need and Purpose	of the Program		
		te enrollment growth in both the College of Engineering acrease in the quality and quantity of instructional lab space.	
	w building will incorporate digital infrastructur in online course offerings and the creation of v	e to expand the on-campus learning environment to the orirtual laboratories.	nline world,
Space Utilization			
The Nuclear Engine Building. Nuclear E	Ingineering is a one-level 1950s building with a subuilt in 1910 with a 43,000 square foot footpri	es and Shops currently occupy the proposed site for the G 16,300 square foot footprint. Michael Golden Laboratori nt. Michael Golden Laboratories and Nuclear Engineering	ies and Shops is
Comparable Proje			
teaching laboratorie higher costs per squ • \$64,000,000	es and support space and also inleudes collabora are feet due to a higher concentration of lab spa	ocused laboratory building that consists primarily of wet a tion space and some common areas. The STEM facility hace.	
• 111,344 GSF / 62. • \$575/GSF; \$1,017			
Background Mate	rials		

CAPITAL PROJECT REQUEST FORM INDIANA PUBLIC POSTSECONDARY EDUCATION INSTITUTION CAMPUS SPACE DETAILS FOR Engineering and Polytechnic Gateway Building

Current Campus Totals			Capital Request				
	Current Space	Space Under	Space Planned	Subtotal Current and Future	Space to be	New Space in Capital	Net Future
(INSERT PROJECT TITLE AND SBA No.)	in Use	Construction (1)	and Funded (1)	Space	Terminated (1)	Request (2)	Space
A. OVERALL SPACE IN ASF							
Classroom (110 & 115)	331,337	-	-	331,337			331,337
Class Lab (210,215,220,225,230,235)	618,037	56,497	-	674,534	23,982	92,500	743,052
Non-class Lab (250 & 255)	1,611,875	7,701	-	1,619,576	27,788	9,825	1,601,613
Office Facilities (300)	2,249,946	8,324	4,177	2,262,447	9,962	34,670	2,287,155
Study Facilities (400)	400,281	12,918	-	413,199	1,319	7,490	419,370
Special Use Facilities (500)	1,215,997	4,493	-	1,220,490			1,220,490
General Use Facilities (600)	926,226	44,900	-	971,126		200	971,326
Support Facilities (700)	3,011,944	-	-	3,011,944	134		3,011,810
Health Care Facilities (800)	88,753	-	89,901	178,654			178,654
Resident Facilities (900)	2,570,466	175,550	-	2,746,016			2,746,016
Unclassified (000)	31,815	-	-	31,815			31,815
							-
B. OTHER FACILITIES							-
(Please list major categories)							-
TOTAL SPACE	13,056,677	310,383	94,078	13,461,138	63,185	144,685	13,542,638

Notes

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

Space under construction includes: MJIS Addition, STEM Teaching Lab Facility, ABE Renovation/Addition, Meredith South, Third Street North

Space planned and funded includes: Vet Med Teaching Hospital

Space to be terminated includes: MGL and NUCL

CAPITAL PROJECT COST DETAILS

Institution: Campus:	Purdue University West Lafayette]	Budget Agend Institutional I	cy Project No.: Priority:	<u>One</u>	<u>B-1-19-1-08A</u>
<u>ANTICIPAT</u>	ED CONSTRUCTION SCHEDULE Month Bid Date Start Construction Occupancy (End Date) December	<u>Year</u> 2020 2020 2022				
ESTIMATEI	O CONSTRUCTION COST FOR PROJECT	Cost Basis	Estimated Escalation Factors (2)	Project Cost		
	Planning Costs a. Engineering b. Architectural c. Consulting	(-)		\$ 4,430,000 \$ 5,765,000 \$ 591,000		
	Construction a. Structure b. Mechanical (HVAC, plumbing, etc.) c. Electrical			\$ 67,189,000 \$ 29,575,000 \$ 23,275,000		
	Movable Equipment Fixed Equipment Site Development/Land Acquisition Other (Material Testing, PM Fees, Relocation)			\$ 4,812,500 \$ 875,000 N/A \$ 3,487,500		
	TOTAL ESTIMATED PROJECT COST	\$ -	\$ -	\$140,000,000		

⁽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

itution: npus:			Ru	dget Agen	cy Project No		ſ	B-1-19-
err perse	Purdue University West Lafayette			stitutional		<u>'</u>	One	<u>D 1 17 1</u>
_	West Edityette		1115	otitutionai	THOTILY.		<u>One</u>	
		GS	F C	OF AREA	AFFECTED	BY :	PROJECT	14
NNUAL OPE	RATING COST/SAVINGS (1)							
				Total				
		Cost per	O	perating	Personal		pplies and	
		GSF		Cost	Services	Ex	penses	
	1. Operations	2.25	\$	336,863	298,63	1	38,231	
	2. Maintenance	1.64	\$	245,630	194,12	1	51,508	
	3. Fuel	-	\$	-				
	4. Utilities	1.73	\$	259,619			259,619	
	5. Other	-	\$	-				
TOTAL ES	STIMATED OPERATIONAL COST/SAVINGS	5.63	\$	842,111	\$ 492,753	\$	349,359	

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