

August 8, 2019

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

Dear Governor Holcomb:

At its meeting on August 2, 2019, the Purdue University Board of Trustees approved the planning, financing, construction and award of construction contracts for the Airport HVAC Replacement, Window Replacement and Overhead Door Repair project on the Purdue West Lafayette campus.

This project will replace an existing, deficient air handling unit (AHU) and 77 windows in the Niswonger Aviation Technology Building and repair the Terminal Building overhead door. The new AHU will be more energy efficient, correct deficiencies in service to the main lecture hall and expand service to classrooms and student workspaces that are not currently air-conditioned. The new windows will improve energy efficiency, water resistance and aesthetics. Repairs to the overhead door will increase its reliability and extend its expected life by 20 to 30 years.

The estimated cost of this project is \$4,770,000 and will be funded with Repair and Rehabilitation Appropriations in the amount of \$3,003,000 and Operating Funds in the amount of \$1,767,000.

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

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

Airport HVAC Replacement, Window Replacement and Overhead Door Repair

Institution:	<input type="text" value="Purdue University"/>	Budget Agency Project No.:	<input type="text" value="B-1-20-2-03"/>
Campus:	<input type="text" value="West Lafayette"/>	Institutional Priority:	<input type="text" value="N/A"/>
Previously approved by General Assembly:	<input type="text" value="No"/>	Previously recommended by CHE:	<input type="text" value="No"/>
Part of the Institution's Long-term Capital Plan:	<input type="text" value="Yes"/>		

Project Size:	<input type="text" value="0"/> GSF (1)	<input type="text" value="0"/> ASF (2)	<input type="text" value="0"/> ASF/GSF
Net change in overall campus space:	<input type="text" value="0"/> GSF	<input type="text" value="0"/> ASF	

Total cost of the project (3):	<input type="text" value="\$ 4,770,000"/>	Cost per ASF/GSF:	<input type="text" value="N/A"/> GSF
Total cost of the demolition:	<input type="text" value="N/A"/>		<input type="text" value="N/A"/> ASF

Funding Source(s) for project (4):	Amount	Type
	<input type="text" value="\$ 3,003,000"/>	<input type="text" value="R&R Appropriation"/>
	<input type="text" value="\$ 1,767,000"/>	<input type="text" value="Operating Funds"/>
	<input type="text"/>	<input type="text"/>
	<input type="text"/>	<input type="text"/>

Estimated annual debt payment (6):	<input type="text" value="N/A"/>
Are all funds for the project secured:	<input type="text" value="Yes"/>

Project Funding:

Project Cost Justification

The project is consistent with similar projects as noted in the Comparable Project Section.

Estimated annual change in cost of building operations based on the project:	<input type="text" value="N/A"/>
---	----------------------------------

Estimated annual repair and rehabilitation investment (5):	<input type="text" value="N/A"/>
---	----------------------------------

PROJECT DETAILED DESCRIPTION - ADDITIONAL INFORMATION

Airport HVAC Replacement, Window Replacement and Overhead Door Repair

Institution: Purdue University
Campus: West Lafayette

Budget Agency Project No.: B-1-20-2-03
Institutional Priority: N/A

Description of Project

This project will replace an existing, deficient air handling unit (AHU) and 77 windows in the Niswonger Aviation Tehcnology Building (NISW). This project will also repair an overhead door in the Terminal Building inclusive of replacing cable hitches, guide rollers, the drive motor, weather seals, the gearbox and some additional components.

Need and Purpose of the Program

The new AHU will be more energy efficient, correct deficiencies in service to the main lecture hall and hanger, and expand service to classrooms and student workspaces that are not currently air-conditioned. The current windows were installed in the 1980s and are past their expected service life. Some seals are failing and allowing condensation to form between panes, and some mechanisms are failing. The new windows will improve energy efficiency, water resistance and aesthetics. The Terminal Building Overhead Door will be refurbished and repaired, increasing its reliability and allowing it to continue to operate safely for an additional 20-30 years.

Space Utilization

This project will not affect space utilization.

Comparable Projects

- Civil Engineering Building Window Replacement (2010)
 - o \$662,900
 - o Replaced aging windows in the older portion of the Civil Engineering Building
- Physics Building HVAC Renovation (2019)
 - o \$2,755,000
 - o Replaced aging AHU serving a first floor classroom, ground floor offices and basement lab space in the Physics Building

Background Materials

N/A

CAPITAL PROJECT REQUEST FORM
INDIANA PUBLIC POSTSECONDARY EDUCATION
INSTITUTION CAMPUS SPACE DETAILS FOR Airport HVAC Replacement, Window Replacement and Overhead Door Repair

	Current Campus Totals			Subtotal Current and Future Space	Capital Request		Net Future Space
	Current Space in Use	Space Under Construction (1)	Space Planned and Funded (1)		Space to be Terminated (1)	New Space in Capital Request (2)	
(INSERT PROJECT TITLE AND SBA No.)							
<u>A. OVERALL SPACE IN ASF</u>							
Classroom (110 & 115)	330,369	3,119		333,488			333,488
Class Lab (210,215,220,225,230,235)	616,045	53,863	68,518	738,426			738,426
Non-class Lab (250 & 255)	1,577,327	28,176	(17,963)	1,587,540			1,587,540
Office Facilities (300)	2,251,226	17,515	28,885	2,297,626			2,297,626
Study Facilities (400)	381,012	11,225	6,171	398,408			398,408
Special Use Facilities (500)	1,247,377			1,247,377			1,247,377
General Use Facilities (600)	945,835	45,900	200	991,935			991,935
Support Facilities (700)	2,940,123	(365)	(134)	2,939,624			2,939,624
Health Care Facilities (800)	116,291		89,901	206,192			206,192
Resident Facilities (900)	2,519,400	175,550		2,694,950			2,694,950
Unclassified (000)	46,681			46,681			46,681
<u>B. OTHER FACILITIES</u> (Please list major categories)				-			-
TOTAL SPACE	12,971,685	334,983	175,578	13,482,246	-	-	13,482,246

CAPITAL PROJECT COST DETAILS

Airport HVAC Replacement, Window Replacement and Overhead Door Repair

Institution:	Purdue University	Budget Agency Project No.:	B-1-20-2-03
Campus:	West Lafayette	Institutional Priority:	N/A

ANTICIPATED CONSTRUCTION SCHEDULE

	<u>Month</u>	<u>Year</u>
Bid Date	January	2020
Start Construction	May	2020
Occupancy (End Date)	August	2020

ESTIMATED CONSTRUCTION COST FOR PROJECT

	<u>Cost Basis</u> (1)	<u>Estimated Escalation</u> Factors (2)	<u>Project Cost</u>
<u>Planning Costs</u>			
a. Engineering	\$ 65,000		\$ 65,000
b. Architectural	\$ 185,000		\$ 185,000
c. Consulting	\$ 20,000		\$ 20,000
<u>Construction</u>			
a. Structure	\$ 1,000,000		\$ 1,000,000
b. Mechanical (HVAC, plumbing, etc.)	\$ 2,172,900		\$ 2,172,900
c. Electrical	\$ 500,000		\$ 500,000
<u>Movable Equipment</u>			\$ -
<u>Fixed Equipment</u>			\$ -
<u>Site Development/Land Acquisition</u>			\$ -
<u>Other (Please list)</u>	\$ 827,100		\$ 827,100
TOTAL ESTIMATED PROJECT COST	\$ 4,770,000	\$ -	\$ 4,770,000

CAPITAL PROJECT OPERATING COST DETAILS
Airport HVAC Replacement, Window Replacement and Overhead Door Repair

Institution:	Purdue University	Budget Agency Project No.:	B-1-20-2-03
Campus:	West Lafayette	Institutional Priority:	N/A

<u>ANNUAL OPERATING COST/SAVINGS (1)</u>	<u>GSF OF AREA AFFECTED BY PROJECT</u>			
	Cost per GSF	Total Operating Cost	Personal Services	Supplies and Expenses
1. Operations	N/A	\$ -		
2. Maintenance	N/A	\$ -		
3. Fuel	N/A	\$ -		
4. Utilities	N/A	\$ -		
5. Other	N/A	\$ -		
TOTAL ESTIMATED OPERATIONAL COST/SAVINGS	N/A	\$ -	\$ -	\$ -

Description of any unusual factors affecting operating and maintenance costs/savings.