



OFFICE OF THE EXECUTIVE VICE PRESIDENT FOR
BUSINESS AND FINANCE, TREASURER

September 13, 2012

The Honorable Mitchell E. Daniels, Jr.
Governor of the State of Indiana
State House
Indianapolis, IN 46204

Dear Governor Daniels:

At its meeting on October 11, 2012, the Purdue University Board of Trustees is expected to approve the project, "Math Sciences Plaza and Utility Tunnel Waterproofing and Repairs" on the Purdue University West Lafayette Campus.

This project involves below grade waterproofing, utility tunnel top structural repairs and waterproofing, steam anchor replacement, domestic and chilled water line replacement, and site landscaping.

The estimated cost of this project is \$3,350,000, to be funded from Repair and Rehabilitation – University General Funds (\$2,950,000) and University Funds – Central Reserves (\$400,000).

Subject to approval by the Purdue University Board of Trustees, 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 which 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 you may wish.

Sincerely,

A handwritten signature in black ink, appearing to read "A. V. Diaz".

A. V. Diaz
Executive Vice President for
Business and Finance, Treasurer

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Attachments

c: Jason Dudich, Associate Commissioner and Chief Financial Officer
Adam Horst, State Budget Director
Mary Catherine Gaisbauer, Comptroller
Kevin Green, Assistant Director of Capital Planning

PROJECT SUMMARY AND DESCRIPTION
MATH SCIENCES PLAZA AND UTILITY TUNNEL WATERPROOFING AND REPAIRS

Institution:	Purdue University	Budget Agency Project No.:	B-1-13-2-14
Campus:	West Lafayette	Institutional Priority:	N/A
Previously approved by General Assembly:	No	Previously recommended by CHE:	No
Part of the Institution's Long-term Capital Plan:	Yes		

Project Summary Description:

This project involves below grade waterproofing, utility tunnel top structural repairs and waterproofing, steam anchor replacement, domestic and chilled water line replacement, and site landscaping.

Summary of the impact on the educational attainment of students at the institution:

None. This project is to prolong the life expectancy of our facilities.

Project Size:	N/A	GSF	N/A	ASF	N/A	ASF/GSF
Net change in overall campus space:	N/A	GSF	N/A	ASF		

Total cost of the project (1):	\$ 3,350,000	Cost per ASF/GSF:	N/A	GSF
			N/A	ASF

Funding Source(s) for project (2):	\$ 1,500,000	Repair and Rehabilitation - University General Funds, derived from Student Fees designated for R&R, balance as of 9/13/12 is \$5,464,768.07.
	\$ 1,450,000	Repair and Rehabilitation - University General Funds, derived from Sustaining New Synergies Initiative Savings including curtailed hiring, energy conservation initiatives, and information technology savings, balance as of 9/13/12 is \$4,683,765.
	\$ 400,000	University Funds - Central Reserves, derived from interest income, balance as of 7/31/12 is \$20,424,805

Estimated annual debt payment (4): N/A

Are all funds for the project secured: Yes

Estimated annual change in cost of building operations based on the project: N/A

Estimated annual repair and rehabilitation investment (3): N/A

(1) Projects should include all costs associated with the project (structure, A&E, infrastructure, consulting, FF&E, etc.)
(2) Be consistent in the naming of funds to be used for projects. If bonding, note Bonding Authority Year (1965, 1929, 1927, etc.)
(3) 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
(4) If issuing debt, determine annual payment based on 20 years at 5.75% 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
MATH SCIENCES PLAZA AND UTILITY TUNNEL WATERPROOFING AND REPAIRS

Institution: Purdue University
Campus: West Lafayette

Budget Agency Project No.: B-1-13-2-14
Institutional Priority: N/A

Description of Project

This project involves below grade waterproofing, utility tunnel top structural repairs and waterproofing, steam anchor replacement, domestic and chilled water line replacement, and site landscaping. The long term capital plan for Purdue University calls for continuation of improving utility infrastructure and extending the life expectancy of our facilities. Consideration was given to breaking the project into multiple years, but upon completing the feasibility study, it was determined to be more expensive. The work includes expansion of campus utilities to better serve load and building demands. Funding for future R&R needs will be provided through the State's formula and University reallocation. The only cost issue regarding this scope is in regards to the duration of the construction schedule. It was determined to perform the project over one year instead of breaking the project into two phases.

Need and Purpose of the Program

This project relates to the mission and long-term strategic plan by continuation of improving utility infrastructure and extending the life expectancy of our facilities. This project is repair and maintenance to prolong the life expectancy of our facilities. No programmatic changes are anticipated. All facilities will remain open and operational during construction. Some utilities disruptions may be expected for short durations.

If the project is not approved or recommended by the state, then water infiltration will continue at the Math Sciences building. This facility houses a large computer facility for Information Technology at Purdue; water damage to this equipment would be very costly. Pedestrian traffic will be routed accordingly away from the construction site. Building ingress and egress will be monitored and coordinated with Purdue Fire Safety personnel to ensure all building egress is acceptable during construction. No financial impact regarding the cost of attendance to students is anticipated.

Space Utilization

Not applicable. This project is an exterior project.

Comparable Projects

There are no other projects of this size and/or scope to compare.

Background Materials

A feasibility study for this project was performed to verify scope, schedule, and budget. Available funds are internal funds dedicated to be used for R&R.

CAPITAL PROJECT REQUEST FORM
INDIANA PUBLIC POSTSECONDARY EDUCATION
INSTITUTION CAMPUS SPACE DETAILS FOR MATH SCIENCES PLAZA AND UTILITY TUNNEL WATERPROOFING AND REPAIRS

Math Sciences Plaza and Utility Tunnel Waterproofing and Repairs B-1-13-2-14	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)	287,370	2,678	-	290,048	-	-	290,048
Class Lab (210,215,220,225,230,235)	545,351	7,840	-	553,191	-	-	553,191
Non-class Lab (250 & 255)	1,421,745	48,029	-	1,469,774	-	-	1,469,774
Office Facilities (300)	2,057,821	62,907	2,280	2,123,008	-	-	2,123,008
Study Facilities (400)	386,172	4,300	1,100	391,572	-	-	391,572
Special Use Facilities (500)	1,130,067	29,011	-	1,159,078	-	-	1,159,078
General Use Facilities (600)	838,698	23,063	8,620	870,381	-	-	870,381
Support Facilities (700)	3,015,100	2,961	-	3,018,061	-	-	3,018,061
Health Care Facilities (800)	76,330	-	-	76,330	-	-	76,330
Resident Facilities (900)	2,272,486	75,800	-	2,348,286	-	-	2,348,286
Unclassified (000)	64,640	-	-	64,640	-	-	64,640
B. OTHER FACILITIES (Please list major categories)	-	-	-	-	-	-	-
TOTAL SPACE	12,095,780	256,589	12,000	12,364,369	-	-	12,364,369

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
- (2) Should include capital projects requested by the institution based on 2013-15 Capital Request Summary

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

Space under construction includes: BIND Addition, Center for Student Excellence and Leadership, Drug Discovery Facility, Herrick Labs Center for Advanced Acoustics, Lyles-Porter Hall, Vawter Field Housing

Space planned and funded includes: Bailey Hall

CAPITAL PROJECT COST DETAILS
MATH SCIENCES PLAZA AND UTILITY TUNNEL WATERPROOFING AND REPAIRS

Institution:	Purdue University	Budget Agency Project No.:	B-1-13-2-14
Campus:	West Lafayette	Institutional Priority:	N/A

ANTICIPATED CONSTRUCTION SCHEDULE

	<u>Month</u>	<u>Year</u>
Bid Date	December	2012
Start Construction	March	2013
Occupancy (End Date)	October	2013

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			\$ 117,000
b. Architectural			\$ -
c. Consulting			\$ 51,800
<u>Construction</u>			
a. Structure			\$ 1,800,000
b. Mechanical (HVAC, plumbing, etc.)			\$ 633,200
c. Electrical			\$ -
<u>Movable Equipment</u>			\$ -
<u>Fixed Equipment</u>			\$ -
<u>Site Development/Land Acquisition</u>			\$ -
<u>Other (Please list)</u>			\$ 748,000
TOTAL ESTIMATED PROJECT COST	\$ -	\$ -	\$ 3,350,000

(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
MATH SCIENCES PLAZA AND UTILITY TUNNEL WATERPROOFING AND REPAIRS

Institution:	Purdue University	Budget Agency Project No.:	B-1-13-2-14
Campus:	West Lafayette	Institutional Priority:	N/A

GSF OF AREA AFFECTED BY PROJECT N/A

ANNUAL OPERATING COST/SAVINGS (1)

	Cost per GSF	Total Operating Cost	Personal Services	Supplies and Expenses
1. Operations		\$ -		
2. Maintenance		\$ -		
3. Fuel		\$ -		
4. Utilities		\$ -		
5. Other		\$ -		
TOTAL ESTIMATED OPERATIONAL COST/SAVINGS	N/A	N/A	N/A	N/A

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

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