

PURDUE

UNIVERSITY

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

April 13, 2012

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

Dear Governor Daniels:

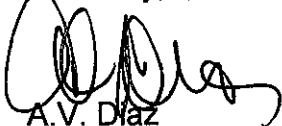
The financing and construction of the project, "Civil Engineering Fire Alarm Replacement" on the West Lafayette campus has been approved as required under the Bylaws of the Board of Trustees of Purdue University.

This project includes the design and consultation to perform a complete replacement of the existing fire alarm system with a new fully addressable fire alarm system in the Civil Engineering Building at the West Lafayette Campus. The new system will include fire door holders, initiating devices, signaling devices, manual devices, automatic devices (smoke/heat detectors), annunciation system, elevator interconnections, control and annunciator panels as recommended or mandated by NFPA 72 and Purdue University Guidelines. The existing fire alarm system will remain in-place and functioning until the new system is on-line and operable.

The estimated cost of this project is \$1,700,000, to be funded from Repair and Rehabilitation – University General 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 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.V. Diaz
Executive Vice President for
Business and Finance, Treasurer

/bjm

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

MAJOR REPAIR AND REHABILITATION

INSTITUTION:	<u>PURDUE UNIVERSITY</u>	CAMPUS:	<u>WEST LAFAYETTE</u>
PROJECT TITLE:	<u>Civil Engineering Fire Alarm Replacement</u>	BUDGET AGENCY NO.:	<u>B-1-12-2-14</u>
		INSTITUTION'S PRIORITY:	<u></u>

PROJECT SUMMARY DESCRIPTION (ATTACHMENT A)

This project includes the design and consultation to perform a complete replacement of the existing fire alarm system with a new fully addressable fire alarm system in the Civil Engineering Building at the West Lafayette Campus. The new system will include fire door holders, initiating devices, signaling devices, manual devices, automatic devices (smoke/heat detectors), annunciation system, elevator interconnections, control and annunciator panels as recommended or mandated by NFPA 72 and Purdue University Guidelines. Existing fire alarm system will remain in-place and functioning until new system is on-line and operable.

SUMMARY OF NEED AND NET CHANGE IN CONTRIBUTION TO EDUCATIONAL SERVICES PROVIDED BY INSTITUTION

Due to the NFPA standards for occupant life safety, the need to bring the original Civil Engineering Building fire alarm panel and associated software up to today's current guidelines is necessary. The Civil Engineering Addition from 4 decades ago was grandfathered in as matching original conditions but this fire alarm system needs to be brought up to standard. Therefore, both buildings will be under a single/current fire alarm system.

SPACE DATA (ATTACHMENT C)

AREA AFFECTED BY THE PROJECT:	<u>297,338</u>	GSF	<u>177,683</u>	ASF	
PROJECT SIZE:	<u>297,338</u>	GSF	<u>177,683</u>	ASF	<u>45%</u> ASF/GSF
NET CHANGE IN CAMPUS ACADEMIC/ADMINISTRATIVE SPACE:			<u>0</u>	ASF	

TOTAL PROJECT BUDGET (ATTACHMENT D)

TOTAL ESTIMATED COST:	<u>\$ 1,700,000.00</u>	\$/GSF	<u>\$</u>	<u>0.18/GSF</u>	
ANTICIPATED DATE OF PROJECT COMPLETION:	<u>August 2013</u>				

ANTICIPATED SOURCES OF FUNDING (ATTACHMENT E)

<u>Repair and Rehabilitation – University General Funds</u>	<u>\$ 1,700,000.00</u>
TOTAL BUDGET	<u>\$ 1,700,000.00</u>

ESTIMATED CHANGE IN ANNUAL OPERATING BUDGET AS A RESULT OF THIS PROJECT (ATTACHMENT F)

<u>\$ None</u>	<u>INCREASE</u>	<u>DECREASE</u>
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NOTE: SEE ATTACHMENTS FOR SUPPORTING INFORMATION REQUEST TO BE SUBMITTED WITH PROJECT SUMMARY FORM.

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DESCRIPTION OF THE PROJECT:

This project includes the design and consultation to perform a complete replacement of the existing fire alarm system with a new fully addressable fire alarm system in the Civil Engineering Building at the West Lafayette Campus. The new system will include fire door holders, initiating devices, signaling devices, manual devices, automatic devices (smoke/heat detectors), annunciation system, elevator interconnections, control and annunciator panels as recommended or mandated by NFPA 72 and Purdue University Guidelines. Existing fire alarm system will remain in-place and functioning until new system is on-line and operable.

PLANNING CHANGES:

Due to the NFPA standards for occupant life safety, the need to bring to original Civil Engineering Building fire alarm panel and associated software up to today's current guidelines is necessary. The Civil Engineering Addition from 6 decades ago was grandfathered in as matching original conditions but this fire alarm system needs to be brought up to standard. Therefore, both buildings will be under a single/current fire alarm system.

RELATIONSHIP TO OTHER CAPITAL IMPROVEMENT PROJECTS:

None. This is a stand alone project.

HISTORICAL SIGNIFICANCE:

N/A

Attachment B
Need and Purpose

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RELATIONSHIP TO MISSION AND LONG-RANGE PLANNING

The fire alarm upgrade meets the University's intent/mission to bring this building up to current code for the near and distant future.

NEED AND EXPECTED CONTRIBUTION TO EDUCATIONAL SERVICES:

None other than providing a safe building for today's standards.

ALTERNATIVES CONSIDERED:

N/A

PRIORITY RANKING:

N/A

RELATIONSHIP TO LONG-RANGE FACILITY PLANS:

This is one building that must meet the NFPA-72 safety standard.

MAJOR REPAIR AND REHABILITATION

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CAMPUS ACADEMIC/ADMINISTRATIVE SPACE:

Gross Square Footage: 9,943,779 Assignable Square Footage: 5,963,068

TOTAL AREA IN FACILITY OR STRUCTURE: (Civil Engineering Building)

Gross Square Footage: 297,338 Assignable Square Footage: 177,884

PROVIDE A TABULAR BREAKDOWN OF THE FACILITY'S ASSIGNABLE AREA AS PRESENTLY USED AND AS PLANNED UPON COMPLETION OF THE PROJECT:

	ASF		
	TOTAL BUILDING	FUTURE USE	PRESENT USE
INSTRUCTION AND LIBRARY SPACE			
(a) Classroom (110,115)	<u>10,681</u>	<u>10,681</u>	<u>10,681</u>
(b) Class Laboratories (210,215,220,225)	<u>21,327</u>	<u>21,327</u>	<u>21,327</u>
(c) Libraries (410 thru 455)	<u>6,491</u>	<u>6,491</u>	<u>6,491</u>
(d) All Other	<u>0</u>	<u>0</u>	<u>0</u>
Subtotal	<u>38,499</u>	<u>38,499</u>	<u>38,499</u>
INSTRUCTION RELATED			
(e) Office (310 thru 355)	<u>55,970</u>	<u>55,970</u>	<u>55,970</u>
(f) All Other	<u>0</u>	<u>0</u>	<u>0</u>
Subtotal	<u>55,970</u>	<u>55,970</u>	<u>55,970</u>
RESEARCH SPACE			
(g) Non-Class Laboratories (250,255)	<u>75,699</u>	<u>75,699</u>	<u>75,699</u>
(h) Other	<u>0</u>	<u>0</u>	<u>0</u>
Subtotal	<u>75,699</u>	<u>75,699</u>	<u>75,699</u>
HEALTH CARE SPACE (SUBTOTAL)	<u>0</u>	<u>0</u>	<u>0</u>
RELATED SUPPORTING FACILITIES	<u>7,716</u>	<u>7,716</u>	<u>7,716</u>
SUBTOTAL	<u>177,884</u>	<u>177,884</u>	<u>177,884</u>
OTHER ASSIGNABLE SPACE (SUBTOTAL)	<u>0</u>	<u>0</u>	<u>0</u>
TOTAL	<u>177,884</u>	<u>177,884</u>	<u>177,884</u>

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<u>ANTICIPATED CONSTRUCTION SCHEDULE</u>		<u>MONTH</u>	<u>YEAR</u>
Bid Date		<u>November</u>	<u>2012</u>
Start Construction		<u>February</u>	<u>2013</u>
Occupancy		<u>November</u>	<u>2012</u>
<u>ESTIMATED CONSTRUCTION COST:</u>			
	<u>PROJECT COST BASIS (a)</u>	<u>ESCALATION FACTORS (b)</u>	<u>ESTIMATED PROJECT COST (c)</u>
Planning Costs			
Academic Facilities Planning Fund	<u>\$</u>	<u>\$</u>	<u>\$ 176,000.00</u>
Other Architectural Fee	<u>\$</u>	<u>\$</u>	<u>\$</u>
Construction Structure			
Structure	<u>\$</u>	<u>\$</u>	<u>\$</u>
Mechanical (Plumbing, HVAC, Elevators)	<u>\$</u>	<u>\$</u>	<u>\$ 1,214,000.00</u>
Electrical	<u>\$</u>	<u>\$</u>	<u>\$</u>
Movable Equipment	<u>\$</u>	<u>\$</u>	<u>\$</u>
Fixed Equipment	<u>\$</u>	<u>\$</u>	<u>\$</u>
Site Development/Land Acquisition	<u>\$</u>	<u>\$</u>	<u>\$</u>
Other (Supervision and testing, PM fees, insurance, contingencies)	<u>\$</u>	<u>\$</u>	<u>\$ 310,000.00</u>
Total Estimated Project Cost	<u>\$</u>	<u>\$</u>	<u>\$ 1,700,000.00</u>

(a) Based on current costs prevailing as of (month, year) March 2012

(b) Explain the basis for arriving at this estimate
A/E fees are based upon historical design services performed for Purdue. Construction costs are based upon projects similar in nature. Other costs are based upon inspection, code compliance, construction management, Purdue resources needed to coordinate with fire alarm project.

(c) Description of unique building characteristics, design features, construction materials, site development factors or other considerations affecting cost estimates on a separate page immediately following.
N/A

Attachment E
Source(s) of Funding

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ESTIMATED TOTAL PROJECT COST: \$ 1,700,000

SOURCES OF FUNDING:

Prior Appropriation (Acts of _____)	\$ _____
State Appropriation Requested	\$ _____
Bonding Authority (Acts of 1965)	\$ _____
Bonding Authority (Acts of 1929)	\$ _____
Lease Purchase	\$ _____
Other: <u>Repair and Rehabilitation –</u> <u>University General Funds</u> (specify)	\$ 1,700,000

EXPLANATION OF ANY UNIQUE FUNDING FEATURES:

N/A

**Attachment F
Estimated Change in Operating Costs**

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GROSS SQUARE FOOTAGE OF AREA AFFECTED BY PROJECT:		<u>297,338</u>	<u>GSF</u>
<u>ANNUAL OPERATING COST:</u>			
	COST PER SQUARE FOOT	TOTAL COST	PERSONNEL SERVICES
			SUPPLIES AND EXPENSE
Operations	\$ _____	\$ _____	\$ _____
Maintenance	\$ _____	\$ _____	\$ _____
Fuel	\$ _____	\$ _____	\$ _____
Utilities	\$ _____	\$ _____	\$ _____
Other	\$ _____	\$ _____	\$ _____
TOTAL	\$ <u>_____</u>	\$ <u>_____</u>	\$ <u>_____</u>
<u>LESS OPERATING COST OF:</u>			
Existing Area Affected (Office Space)		\$ _____	\$ _____
*Other Space Affected		\$ _____	\$ _____
ESTIMATED CHANGE IN COST		\$ <u>_____ N/A</u>	\$ <u>_____ N/A</u>
DESCRIPTION OF ANY UNUSUAL FACTORS AFFECTING OPERATING AND MAINTENANCE COST: N/A			
DESCRIPTION OF ANTICIPATED PLANT EXPANSION REQUEST N/A			
Of the above "Estimated Change In Cost," what amount (if any) will be requested as a "plant expansion" adjustment to the Institution's operating budget? Beginning on what date? Based on current costs prevailing as of (month, year) <u>N/A</u>			