

COMMISSION FOR HIGHER EDUCATION

Friday, September 10, 2010

DECISION ITEM B-1: **Bindley Bioscience Center Addition at the Purdue University
West Lafayette Campus**

Staff Recommendation

That the Commission for Higher Education recommend approval to the State Budget Agency and the State Budget Committee of the project *Bindley Bioscience Center Addition at the Purdue University West Lafayette Campus*, as described in the project description and staff analysis September 10, 2010.

Background

By statute, the Commission for Higher Education must review all projects to construct buildings or facilities costing more than \$500,000, regardless of the source of funding. Each repair and rehabilitation project must be reviewed by the Commission for Higher Education and approved by the Governor, on recommendation of the Budget Agency, if the cost of the project exceeds seven hundred fifty thousand dollars (\$750,000) and if any part of the cost of the project is paid by state appropriated funds or by mandatory student fees assessed all students. Such review is required if no part of the project is paid by state appropriated funds or by mandatory student fees and the project cost exceeds one million dollars (\$1,000,000). A project that has been approved or authorized by the General Assembly is not subject to review by the Commission for Higher Education. However, the Commission for Higher Education shall review a project approved or authorized by the General Assembly if the review is requested by the Budget Agency or the Budget Committee. This project was not authorized by the General Assembly.

At its meeting on May 28, 2010, the Purdue University Board of Trustees approved the project, "Bindley Bioscience Center Addition" on the Purdue University West Lafayette Campus. This project will construct an addition to the existing Bindley Bioscience Center in Discovery Park. The estimated cost of this project is \$14,900,000, to be funded from a Federal Grant from the National Institute of Health that was awarded in April 2010. The building cost will be completely covered by this NIH grant and they will pay in installments as appropriate milestones are completed.

Supporting Document

Bindley Bioscience Center Addition at the Purdue University West Lafayette Campus, September 10, 2010.

BINDLEY BIOSCIENCE CENTER ADDITION AT THE PURDUE UNIVERSITY WEST LAFAYETTE CAMPUS

Project Description and Staff Analysis

SUMMARY

This project will impact life sciences units in the College of Science, Agriculture, Engineering, Pharmacy, Veterinary Medicine, Health and Human Sciences, and the Purdue Cancer Center. The Bindley addition will construct disease research focused space that will enhance existing capabilities available in other facilities on campus. The new facility will house a mouse transgenic facility and will house 6-8 cancer center faculty and their staffs. The space designed is for generic life science wet lab applications. This space will expand the extremely limited space capacity of the current Bindley and follow the same Discovery Park guidelines.

DESCRIPTION OF THE PROJECT

This project will construct an addition to the existing Bindley Bioscience Center in Discovery Park. The project will be a disease research- focused building that will enhance the existing capabilities of Birck Nanotechnology, Center for Cancer Research, Biomedical Engineering and Structural Biology to integrate scientific expertise from the molecular level through animal disease modeling.

RELATIONSHIP TO MISSION AND LONG-RANGE PLANNING

As part of the Bindley mission to provide support for interdisciplinary projects to address life science challenges, several research project focus areas have been identified. These include disease with emphases in cancer and infectious diseases. These are the focus areas for research proposed in the Bindley II project.

NEED AND EXPECTED CONTRIBUTION TO EDUCATIONAL SERVICES

The additional research laboratory space will be occupied primarily with trainees, at both the post-graduate, graduate and undergraduate levels. These trainees will come from different departments and colleges and will be purposefully admixed in the shared research space of the facility. These advanced facilities and the environment of Discovery Park provide the ideal training ground for producing a next generation of top tier interdisciplinary researchers.

ALTERNATIVES CONSIDERED

The more traditional research laboratory arrangement with separate spaces assigned to individual faculty researchers and their research group was considered but it not compatible with the culture and existing operating and space policies at Discovery Park. The objective of Discovery Park to foster interdisciplinary research is better served with the shared space model as proposed.

RELATIONSHIP TO LONG-RANGE FACILITY PLANS

The Bindley addition will be an important component of the overall plan for life sciences research and training at Purdue and will contribute to the emerging life science hub (mall) south of State Street. With respect to the existing Bindley facility per se, the addition provides for badly needed additional shared research space that will more effectively host large projects and facilities such as the whole animal imaging facility that is being established now. In addition, the built-for-purpose transgenic animal barrier facility included in the Bindley addition will greatly facilitate animal model development and integration of animal models into disease research in the facility.

HISTORICAL SIGNIFICANCE

N/A

STAFF ANALYSIS

Due to the need for additional space to house external research oriented functions at Purdue University in the Discovery Park area, the Bindley Bioscience Center addition will provide space for expansion in research related to life sciences, disease research, house cancer center faculty and staff, and will enhance and create synergies with other research facilities in Discovery Park.

Expansion of current research functions and facilities will allow Purdue to continue to be highly competitive in the research field and could result in new research opportunities and funding to Purdue in the future. Current space in Bindley Bioscience Center is 50,000 gross square feet and the addition would add 30,925 gross square feet of space, an increase of approximately 62%. The cost per gross square foot to construct is approximately \$492.

Funding for the Bindley Bioscience Center will be through federal grant funds provided by the National Institute of Health. At this time, state funds, institution funds, or mandatory student fees will not be used to build the addition and cover operational costs. In the near term, operational costs will be covered by grant funds provided to Purdue. The anticipated annual operational costs for the new addition are estimated at \$165,000.

However, if for any reason, grant funding were to become unavailable to provide for operational costs associated with the new addition, Purdue University would need to identify other resources to provide for the financial operation of the additional.