

2010-2016 CAPITAL PLAN  
 PROPOSED CAPITAL PROJECT  
 FORM SYP-P2  
 PLAN VERSION - 3  
 7/20/2009

**Branch:** Executive Branch  
**Cabinet/Function:** Cabinet for Postsecondary Education  
**Agency/Institution:** University of Kentucky-University System

**Project Title** Construct Science Research Building 2  
**Category** Construction - Other  
**Biennium** 2010-2012  
**Priority** **Agency** 1 **Cabinet** **Agency Bond**  
**Location (county)** Fayette  
**Location (ADD)** Bluegrass ADD  
**Appropriation Unit** 455U

**Additional Funding?** No

**Brief Description/Justification:**

This 255,000 gross square feet science research facility will provide state-of-the-art research space for health sciences, chemistry, physics, earth sciences, psychology, bio-medical engineering, nutrition, and nanotechnology. This facility is essential to sustaining the University's projected growth in research productivity necessary to achieve the legislative mandate that it become a Top 20 public research university by 2020. Competitive research space is critical to the University's ability to recruit and retain world-class faculty, Bucks for Brains chairs, and professorships.

**PROJECT BUDGET**

<u>Fund Sources</u>	<u>Amount</u>	<u>Cost Elements</u>	<u>Amount</u>
General Fund	205,880,000	Land Acquisition	
Restricted Funds		Site Survey/Prep	469,000
Federal Funds		Project Design	14,895,000
Road Fund		Construction Cost	163,349,000
Agency Bonds		Mov. Equip/Furn.	10,294,000
Other(Private - Cash)		Contingency	16,873,000
Other(LT Financing)		Other(specify)	
Other(Local Bonds)			
<b>Total</b>	<b>205,880,000</b>	<b>Total</b>	<b>205,880,000</b>

**Explanation of Project Budget**

UK Capital Project Management Division estimated the project scope based upon Turner Construction Company's 2008 conceptual estimate brought forward in time using the average of four historical inflation cost indexes to current dollars, then escalated forward in time based upon the current construction inflation rate to the estimated mid-point of construction.

**IMPACT ON OPERATING BUDGET?** Yes

<u>Fund Sources</u>	<u>Amount</u>
General Fund	2,558,000
<b>Total</b>	<b>2,558,000</b>

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**Explanation of Impact on Operating Budget**

Personnel: \$ 962,000  
Operatings: \$1,323,000  
Non-recurring: \$ 273,000

**PROJECT DETAIL**

Installation(Name and ID) Provost - 80000  
Facility(Name and Stars #)  
Method of Procurement Purchase  
Fuel Type Other  
Gas for steam, electric for cooling  
Type of Space Educational and General  
Completion Date 09/2012

Existing Facility? No

Program Re-location? No

Phased Project? No

Eliminate the need for other proposed projects? No

Need eliminated by other proposed project(s)? No

**Additional Description/Justification**

**DESCRIPTION:**

This project will construct a new 255,000 gross square feet (105,000 net square feet) science research facility. The facility will provide state-of-the-art multidisciplinary research space for colleges and departments such as the health sciences, chemistry, physics, earth sciences, psychology, bio-med engineering, nutrition, and nanotechnology. The program emphasis will be the life sciences which, as recognized by the Governor's Life Sciences Strategic Plan, has a "staggering" potential for economic development in Kentucky. Particularly, "Medical Services", "Health Technology Services", and "Niche Biotechnology" have been recognized as areas of great promise for Kentucky. The building will contain wet labs, lab support, computational dry labs, offices, and office support spaces. The building will also contain a vivarium facility.

The proposed facility will be located in the Virginia Avenue Precinct of campus. An upcoming review of the Campus Physical Development Plan will select the best appropriate site.

**SPACE PROGRAM:**

Research Labs: 72,000 nsf  
Offices: 14,000 nsf  
Special Use: 15,000 nsf  
General Use: 3,000 nsf  
Support: 1,000 nsf  
Total Net Square Feet: 105,000 nsf

**JUSTIFICATION:**

At its December 2005 meeting, the University of Kentucky Board of Trustees

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adopted a Top 20 Business Plan. The Plan provides the long-term strategies the University will pursue to achieve the state-mandated goal that it become a Top 20 public research university by 2020.

Among other things, the Plan establishes targets for substantial growth in the University's research productivity. The Plan calls for UK to increase its research expenditures from \$307 million to \$768 million by 2020 - an increase of over 150%. Much of this growth will be generated through research grants earned by University faculty from federal entities such as the National Science Foundation and the National Institutes of Health. An increased and improved research infrastructure is critical to the recruitment and retention of faculty with productive research agendas, including Bucks for Brains chairs and professors. Thanks to Bucks for Brains, the University has created 82 endowed chairs and 182 professorships. But approximately 100 of these positions have yet to be filled, in most cases because of a lack of quality research space. According to the Council on Postsecondary Education, the University's deficit of research space already exceeds 400,000 assignable square feet. And that figure does not include the projected growth in research productivity the University must undertake in order to become a Top 20 research university. In particular, the University is experiencing a shortage of wet research laboratories. All wet research and research support space on campus is assigned and in use.

The University's targets for research productivity are important to the pursuit of Top 20 status and for Kentucky's health and economic security. More researchers translate into more research dollars and increased efforts to fight disease, improve products and services, and create businesses and jobs. For example, the University already is performing over \$100 million in health-related research and plans to expand that effort substantially over the next 10 plus years. Increased space is critical to this ambition.

**Previous CAPITAL PLANS?** Yes

2008-2014 Construct Science Research Building 2

**Differences between the current and most recent previous project?** No

**Previous BUDGET REQUESTS?** Yes

2008-2010 Construct Science Research Building #2 - Design

**Differences between the current and most recent previous project?** No

**Previous BUDGET AUTHORIZATIONS?** Yes

2008-2010 Construct Science Research Building #2 - Design

**Most recent authorization undertaken?** No

No funds available

**Differences between the current and most recent previous project?** No