

## Fiscal Year 2009-10 Capital Construction Request

### Colorado State University Research Innovation Center

#### PROGRAM PLAN STATUS

2008-194

Approved Program Plan?

Yes

Date Approved:

February 9, 2007

#### PRIORITY NUMBERS

Prioritized By

Priority

Dept/Inst

NP of 12

Cash projects are not prioritized.

#### PRIOR APPROPRIATION AND REQUEST INFORMATION

<u>Fund Source</u>	<u>Prior Approp.</u>	<u>FY 2009-10</u>	<u>FY 2010-11</u>	<u>Future Requests</u>	<u>Total Cost</u>
CFE	\$52,000,000	\$0	\$0	\$0	\$52,000,000
FF	\$0	\$10,700,000	\$0	\$0	\$10,700,000
<b>Total</b>	<b>\$52,000,000</b>	<b>\$10,700,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$62,700,000</b>

#### ITEMIZED COST INFORMATION

<u>Cost Item</u>	<u>Prior Approp.</u>	<u>FY 2009-10</u>	<u>FY 2010-11</u>	<u>Future Requests</u>	<u>Total Cost</u>
Land Acquisition	\$0	\$0	\$0	\$0	\$0
Professional Services	\$4,826,189	\$470,000	\$0	\$0	\$5,296,189
Construction	\$37,674,000	\$4,800,000	\$0	\$0	\$42,474,000
Equipment	\$6,607,000	\$5,000,000	\$0	\$0	\$11,607,000
Miscellaneous	\$416,621	\$0	\$0	\$0	\$416,621
Contingency	\$2,476,190	\$430,000	\$0	\$0	\$2,906,190
<b>Total</b>	<b>\$52,000,000</b>	<b>\$10,700,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$62,700,000</b>

#### PROJECT DESCRIPTION / SCOPE OF WORK

Colorado State University (CSU) is requesting additional cash funds spending authority to complete construction of two additions totaling 72,000 GSF to the Regional Biocontainment Laboratory, an infectious disease and bioterrorism research facility. This request will bury overhead electric transmission lines, purchase a Magnetic Resonance Imaging (MRI) machine, and build an MRI suite. The CDC previously approved this project in FY 2007-08, but the university has since amended the program plan in order to take advantage of potential National Institutes of Health (NIH) grants. As amended, the project completes construction of the facility including building out shell space for a new MRI machine. The university says the Research Innovation Center will help the nation meet laboratory space needs for conducting research related to hazardous infectious diseases, promote economic development, help the university meet space needs for seeking grants, and help the university reach certain strategic goals.

The university will use the new laboratory building to partner with private sector entities to research infectious diseases and develop treatments for these diseases. The project adds to expansions taking place at the Judson M. Harper Research Complex on the Foothills campus, which will eventually consist of three biosafety level (BSL) 3 isolation buildings, a large BSL-2 laboratory and office building, a renovated Center for Environmental Toxicology and Technology, and a new BSL-3 large animal isolation facility.

CSU identifies the following objectives for the Research Innovation Center:

- develop a public-private sector collaborative research environment to facilitate and capitalize on discoveries;
- facilitate technology transfer to the private sector, thus promoting local and statewide economic development;

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## Colorado State University

Research Innovation Center

- provide additional resources for ongoing research and product development associated with federally funded biodefense research currently being conducted at the Judson M. Harper Research Complex;
- support the state's land-grant institutional mission through infectious disease research, associated discoveries, and delivery of products to the general public; and
- provide leased entrepreneurial space to facilitate the creation of start-up companies.

### PROJECT JUSTIFICATION

CSU says that during the project design phase, the university decided not to build out the MRI suite in order to keep the project under budget. The university determined the need to bury overhead electric feed after the completion of the Regional Biocontainment Laboratory in 2007. The new laboratory building is currently under construction. CSU say the project is a strong candidate for NIH grants, which target biomedical imaging equipment and the completion of shell space in existing facilities.

According to CSU, the university is seeking cash funds spending authority prior to the grant application deadline of July 17, 2009, in order to show state support for the project. Also, after the grant is awarded, the university will have limited time to complete schematic designs and construction documents, pursuant to grant guidelines.

### PROGRAM INFORMATION

CSU is increasingly responsible for developing technology, advancing research, and creating responses to the threats of infectious disease and bioterrorism. Along with federal and private partners, the university engages in these challenges at the Judson M. Harper Research Complex on its Foothills campus. The complex is being enhanced with more than \$150 million in new facilities, which the university says further solidifies the campus as the leading international infectious disease research site.

The complex is home to the Regional Biocontainment Laboratory, an infectious disease and bioterrorism research facility funded primarily by a grant from the National Institutes of Health that provides for collaboration between government, academic, and industry scientists. The complex is also the site of the Rocky Mountain Regional Center of Excellence, a six-state collaborative research and training center focusing on vaccines, diagnostics, and medicines for infectious diseases and bioterrorism prevention, funded with an additional National Institutes of Health grant. In addition, the Centers for Disease Control and Prevention houses its Division of Vector-Borne Infectious Diseases at the complex. This division researches the pathogens that would most likely be used by terrorists as weapons, and also partners with CSU to research a number of additional diseases. These facilities complement research conducted at the Bioenvironmental Research Building and the Arthropod-borne and Infectious Diseases Laboratory, also located at the Judson M. Harper Research Complex.

### LEED CERTIFICATION INFORMATION

The project is not required to comply with the provisions of Senate Bill 07-051 regarding LEED certification because it is not being built with state funds. However, the university plans to seek the LEED gold standard, the third highest of four possible certification levels.

### PROJECT STATUS

This is a new request.

### SOURCE OF CASH FUNDS

The project will be financed through two NIH grants. CSU says it is concurrently pursuing a \$5.0 million equipment purchase grant for the MRI machine, and a \$5.7 million construction grant for completion of the MRI suite and to bury overhead electric lines. The grant applications are due July 17, 2009.

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The original project was financed from bonds issued in 2007.

### STAFF QUESTIONS AND ISSUES

All staff questions were incorporated into the project write-up above.

### IMPACT ON OPERATING BUDGET

	1st Year	2nd Year	3rd Year	4th Year	5th Year	Total
Personnel Services	121,380	125,620	128,770	128,770	128,770	633,310
Maintenance	131,830	136,440	139,850	139,850	139,850	687,820
Utilities	306,580	291,090	294,220	294,220	294,220	1,480,330
Supplies/Equipment	0	0	0	0	0	0
Other	0	0	0	0	0	0
<b>Total</b>	<b>559,790</b>	<b>553,150</b>	<b>562,840</b>	<b>562,840</b>	<b>562,840</b>	<b>2,801,460</b>

### PROJECT SCHEDULE

	Start Date	Completion Date
Research Innovation Center	July 2007	May 2010
MRI Suite Build Out and Equipment Installation	April 2010	December 2010
Bury Overhead Lines	April 2010	September 2010

