The University of Colorado Health Sciences Center is committed to equal opportunity and affirmative action.

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PASCAL II

Program Plan Amendment
7.23.07

The purpose of this amendment to the approved program plan for the PASCAL II project is to (1) extend the 6 month encumbrance of $300,276 of the total project cost to October 16, 2007 and (2) to reduce the scope and total project cost from 16,585 gross square feet to 11,350 gross square feet and from $5,695,269 to $4,116,845, respectively.

The revised PASCAL II program is presented in support of the construction of an addition to the Preservation and Access Service Center for Colorado Academic Libraries (PASCAL) storage facility located at the University of Colorado at Denver and Health Sciences Center, Anschutz Medical Campus located in Aurora, Colorado. The PASCAL facility which was completed in 2001, currently houses collections from the University of Colorado at Boulder, University of Colorado at Denver and Health Sciences Center (both campuses), and the University of Denver. The proposed addition will address the growth in the collections’ volumes and new program requirements. Principal growth demand will serve the needs of the University of Colorado at Boulder.

This project request is consistent with the Institutional Master Plan for the University of Colorado Health Sciences Center and the University of Colorado Hospital Authority approved by CCHE in 1998 and the subsequent Institutional Master Plan Updates in 1999, 2000, 2001, and 2002 which were approved by the Board of Regents of the University of Colorado. The 2002 supplement was approved by CCHE. This plan will alleviate facility deficits identified in the master plans for the individual institutions in the library category and the ability of these institutions to send volumes to this storage facility. This will enable the individual libraries to add to their collections without requiring major additions to their facilities in the short-term.
The initial PASCAL facility was designed in 1999 to contain approximately 1.6 million volumes in an environmentally controlled atmosphere with support space and a dock. The facility alleviated long-term storage needs for infrequently used, but valuable library materials. The initial projected storage volume for 2005 was 796,400; the actual volumes stored as of June 2005 was 970,454, which is 22% above the projected volume load. With the projected fill rate, the existing facility’s capacity will be exceeded in less than a year and a half.

As the initial Program Plan envisioned, this proposed addition will consist of a duplicate storage module containing eight rows of 179’ long by 30’ high storage shelving that is 3’ deep. The existing receiving, processing, and other support spaces have proven adequate, and require no expansion. A total of 11,350 gross square feet (gsf) which includes a 10,255 gsf storage room and 1,095 gsf mechanical mezzanine is being proposed. The storage module is to be designed to have minimum penetrations, low light levels, a mechanical system which maintains a constant temperature of 50 degrees Fahrenheit and a relative humidity of 30%. All openings into the storage module are gasketed and the roof is designed to avoid any roof penetrations. The high density shelving system requires an Fmin 100 “super flat” concrete floor with a maximum rate of change in inches at 0.040” per foot of travel along the “order picker” path. In addition, the concrete slab floor must be able to sustain loading from the storage rack system roughly equivalent to 3,000 pounds per square foot. The storage module will attach to the east side of the existing PASCAL facility. The remaining undeveloped site will be used for surface parking.

As the existing PASCAL storage facility reaches capacity with transfers from all participating institutions, the addition will meet the projected storage needs primarily of the University of Colorado at Boulder.

The project is being cash funded by the participating institutions and principally due to the issuance of a bond by the University of Colorado at Boulder. The facility is to be owned and operated by the Board of Regents of the University of Colorado. Yearly operations and maintenance costs will be divided among the
participating institutions as a percentage of the total volumes housed by each institution in the facility.

A total project budget has been established at $4,116,845. This consists of $438,698 in professional services and $2,357,548 in total construction costs. Equipment costs of $1,056,309 have been budgeted and include over $832,250 for the structural shelving system to be installed inside the storage module, and approximately $52,500 for storage trays, $40,000 for an “order picker” and $120,000 for an inventory control system as well as $11,559 for communications. Other costs include $68,250 in TAP fees and a project contingency of 5%. Funding is being provided by the participating institutions in fiscal year 2007/2008 with occupancy of the structure anticipated by July 2009.