Shippensburg University Ceddia Union Building
Supplement to November 16, 2007 Feasibility Study

POTENTIAL INTEGRATION
CEDDIA UNION BUILDING AND LEHMAN LIBRARY

WTW Architects
July 9, 2008
Shippensburg University
Feasibility Study for the Integration of the Ceddia Union Building (CUB) and the Lehman Library

Study Narrative
WTW Architects
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Background
Two central facilities on the Shippensburg University campus are in need of renovation and expansion:

- Ceddia Union Building (CUB), formerly the Cumberland Union Building
- Lehman Memorial Library

Shippensburg University commissioned feasibility studies for each facility:

- Cumberland Union Building Feasibility Study, November 4, 2005, Hayes Large Architects

The two studies investigated changes in program functions, space needs, building renovation/expansion, and project cost.

The Library is in the center of the central academic quad of the Shippensburg campus. The CUB is one of four buildings situated around edges of the quad, and separated from the library by campus lawns. During the course of the current Campus Master Plan process, it became clear that the expansion of both the library and the CUB would bring the two buildings into a closer adjacent relationship.

The close architectural proximity of the Library and CUB caused a re-thinking of the programmatic inter-relationship of the two facilities. In addition to being a repository for information materials and a learning assistance center, the Library should provide meeting and social spaces. Similarly, in addition to being the center for student dining and social activities, the CUB should provide meeting spaces and places for quiet study. Following this line of reasoning, Shippensburg University appointed WTW Architects to investigate the potential of integrating appropriate programs, circulation, and support spaces to be shared by the CUB and the Lehman Library, and to perform the following scope of services:

1. Review existing Library and CUB Feasibility Studies, facility documents and existing conditions.
2. Meet with SU Administration and appropriate user groups to establish goals for the study and discuss potential shared space opportunities and impact on the future of both facilities.
3. Assist the University in the selection and definition of strategies for adjoining/consolidating portions of the two buildings.
4. Develop an estimate of probable construction cost for the additional proposed scope of work required to the CUB renovation to accommodate this future work.
5. Develop concept site plan and floor plans for the ultimate CUB/library interface.
6. Prepare a Study Supplement document for inclusion with the CUB Feasibility Study.
7. Meet with University to review the study documentation.
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Process
WTW Architects met with staff of the Library and CUB to obtain information on current program directions and to determine where the feasibility studies are out-of-date. The principal discrepancies are:

- The 2004 Lehman Library study was based on the potential for significant programmatic changes which are no longer anticipated.
- Lehman Library is currently undergoing upgrades primarily to the first floor which are not reflected in the 2004 study.
- The CUB study of 2005 is thought to generally reflect the correct programmatic mission of the union for the near future with the exception of the modifications suggested by this study.

Master plan recommendations in this district of the campus were considered in preparing design options, such as pedestrian walkways to serve the combined facilities, safe crossing of Bucks Drive, conversion of Cumberland Drive to a pedestrian street, parking requirements, loading docks locations, and loading dock screening.

WTW Architects prepared four design options for Shippensburg University’s consideration. The University selected two options for further study. This report describes and illustrates the preferred solutions which are the outcome of this process.

Site Relationships
The existing Lehman Memorial Library is a three-story structure in the center of the academic quad. The three floors are ground, first and second. The main entrance is on the south side of the building on the middle (first) floor. The main entrance faces a large campus lawn which is crossed by pedestrian pathways. The loading dock is on the northwest corner of the ground floor.

The existing CUB is a three-story structure on the northeast corner of the academic quad. The three floors are ground, first and second. There are three primary entrances. A south ground floor entrance faces open space with the Franklin Science Center beyond and the Lehman Library to the west. A north ground floor entrance faces Bucks Drive and the Performing Arts Center beyond. An east first floor entrance faces Cumberland Drive (proposed in the Master Plan to be a pedestrian street) with Reisner Dining Hall beyond. The loading dock is on the north side of the ground floor.

The ground floor of the Library is 2’-10” higher than the ground floor of the CUB. The first floor of the Library is 2’-3” higher than the first floor of the CUB.

A primary pedestrian walk crosses the lawn in front of the Lehman Library. This walk connects the east residential quad and Reisner Dining Hall to the Henderson—Memorial Hall quad and Old Main. Special paving treatment is called for this walk in the Campus Master Plan. The recently completed Recreation Center north of Bucks Drive is expected to cause considerable north-south pedestrian movement between Heiges Field House and the Performing Arts Center to the Recreation Center entrance.
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Design Options
The two options selected by the University for further study are illustrated herein. Both options include:

- Library expansion to the north on all three floors and CUB expansion to the south and west on two floors.
- A new pedestrian walkway from the Recreation Center entrance to the Bucks Drive mid-block pedestrian crossing to a new north ground floor Library entrance to between the Library and the CUB to the south ground floor entrance to the CUB to Cumberland Drive pedestrian street to Reisner Dining Hall entrance. This walkway crosses a pedestrian route connecting the CUB south entrance to the Library main entrance.
- New loading/receiving areas for both buildings which will be screened from the new walkway by architectural and landscape elements.
- ADA accessible pedestrian links between the two expanded facilities which make up the elevation differences between floors.

OPTION I
Option I is a bridge connection between the first floor (the main entrance floor) of the Library and the first floor (the east entrance floor) of the CUB. A covered, colonnaded circulation path around the north end of the library, below new library space provides weather protected public routes from the west campus toward the east entrance of the CUB:

First Floor Level——
    Library: Creates a new direct circulation path from the first floor Library main entrance through a new circulation spine in the center of the renovated Library and a new Library addition, to new atrium circulation overlooking ground floor social space, and on to the proposed CUB ballroom area.
    Link: Enclosed pedestrian bridge with views of the space between the Library and the CUB and direct connection to the CUB at the first floor
    CUB: From the new Library student lounge through a public bridge connector to entrances to the proposed ballroom to the existing lobby between the Theatre and the Fireside Lounge to the east CUB entrance. An alternative public route connects the student lounge to a walkway overlooking the space between the buildings and the dining room below to a stair connecting directly to the ground floor Great Hall.

Ground Floor Level——
    Library: New circulation spine through the center of the renovated Library to a Library addition including a two-story atrium social space and new north entrance.
    Link: exterior colonnade walkway and pedestrian link. There is no entrance to the CUB under the bridge. The colonnade walkway leads to a patio outside the CUB Dining and to the CUB ground floor south entrance.
    CUB: No direct connection to the Library at the ground floor, only revisions to the Receiving area and provision for the new passage and stair which traverses the Dining area above.
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OPTION III
This option includes a building connection on both the ground floor and the first floors of both buildings. It provides additional program space on both floors and direct connection between the Library and CUB at the first floor, similar to Option I:

First Floor Level—
Library: Creates a new direct circulation path from the first floor Library main entrance through a new circulation spine in the center of the renovated Library and a new Library addition, to new atrium circulation overlooking ground floor social space, through added CUB program space, and on to the proposed CUB ballroom area.

Link: Provides new open stair/atrium and new program space and direct connection to the CUB at the first floor.

CUB: From the new Library student lounge through a public bridge connector to new program space and entrances to the proposed ballroom to the existing lobby between the Theatre and the Fireside Lounge to the east CUB entrance. An alternative public route connects the student lounge to a walkway overlooking the space between the buildings and the dining room below to a stair connecting directly to the ground floor Great Hall.

Ground Floor Level—
Library: New circulation spine through the center of the renovated Library to a Library addition including a two-story atrium social space and new north entrance.

Link: new open stair/atrium and new program space

CUB: New program space controlled by either the Library or the CUB. No direct connection to the Library at the ground floor other than potential access to/from the new program space directly to the dining area for special events.
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Opinion of Probable Additional Cost to the CUB Feasibility Study for Either Option I or III

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<th>Total Project</th>
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### System Description

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**Total Project Cost**

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*Additional Work Square Footage Computation:*

- Expanded Loading Dock Area: 100 Square Feet
- Vertical Expansion of Dining Room: 8,200 Square Feet

Total Additional: 8,300 Square Feet