Facilities Master Plan (FMP) Update

BACKGROUND: An update to the Facilities Master Plan as approved in Board Report #6573, dated June 24, 2008 is being requested to show the progress made on the various priority items.

Academic Affairs has been leading the Stenstrom Center for Career Education (SCCE) Visioning 2009 Renovations and the Karl Jacobs Science and Math Classroom Building, providing information to update the FMP.

The attachments show the updated amounts for current and upcoming projects, along with an update showing the progress Rock Valley College is making with landscaping, sustainability and space utilization.

RECOMMENDATION: It is recommended that the Board of Trustees approve the changes to the Facilities Master Plan as updated January 2010 for Rock Valley College, allowing for communications of those updates to the Illinois Community College Board (ICCB).

Jack Becherer, Ed.D.
President

Attachment - Facilities Master Plan 2008 Priority List, Revised January 2010
FMP pages 1.5a - Landscaping
1.9a - Sustainability
1.10a - Space Utilization
### Priority A (1 to 5 years)  Estimated Cost

<table>
<thead>
<tr>
<th>Priority</th>
<th>Description</th>
<th>Cost</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>A1</td>
<td>Expansion / Renovation of the PEC</td>
<td>$13,000,000</td>
<td>In Progress ‘09</td>
</tr>
<tr>
<td>A2</td>
<td>Renovation of the Stenstrom Center</td>
<td>$1,200,000</td>
<td></td>
</tr>
<tr>
<td>a.</td>
<td>Additional Classrooms</td>
<td>$423,825</td>
<td>Completed ‘08</td>
</tr>
<tr>
<td>b.</td>
<td>Surgical Technology Lab</td>
<td>$161,408</td>
<td>Completed ‘08</td>
</tr>
<tr>
<td>c.</td>
<td>Student Services</td>
<td>$301,340</td>
<td>Completed ‘08</td>
</tr>
<tr>
<td>d.</td>
<td>Multi-Purpose Science Labs – $1,495,138</td>
<td></td>
<td>Completed ‘09</td>
</tr>
<tr>
<td>A3</td>
<td>Renovation of CL1 &amp; CL2</td>
<td>$18,000,000 - $22,000,000</td>
<td></td>
</tr>
<tr>
<td>A4</td>
<td>Public Safety Expansion at SSB</td>
<td>$68,500</td>
<td>Completed ‘09</td>
</tr>
<tr>
<td>A5</td>
<td>Welding Exhaust Upgrades at SCCE</td>
<td>$150,000</td>
<td>Completed ‘08</td>
</tr>
<tr>
<td>A6</td>
<td>Temporary Classrooms</td>
<td>$750,000</td>
<td>HOLD</td>
</tr>
<tr>
<td>A7</td>
<td>Removal of the Berms at the WTC</td>
<td>$25,000</td>
<td>Completed ‘07</td>
</tr>
<tr>
<td>A8</td>
<td>Resolve Vehicular Circulation Issues at Parking Lot 2 – Estimated $1,284,710</td>
<td>$600,000</td>
<td>Completed ‘09</td>
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<tr>
<td>A9</td>
<td>Renovate and Expand Parking Lot 7</td>
<td>$700,000</td>
<td>Completed ‘09</td>
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</table>

### Priority B (2 to 7 years)  Estimated Cost

<table>
<thead>
<tr>
<th>Priority</th>
<th>Description</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>B1</td>
<td>New Arts Instructional Center</td>
<td>$10,000,000 - $12,000,000 Academic Program (RVC Portion Only) (Spring 2010)</td>
</tr>
<tr>
<td>B2</td>
<td>Student Center Expansion</td>
<td>$4,000,000 - $8,000,000</td>
</tr>
<tr>
<td>B3</td>
<td>Professional Programs &amp; Services</td>
<td>To Be Determined</td>
</tr>
<tr>
<td>a.</td>
<td>Graphic Arts</td>
<td>3,680 sf</td>
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<tr>
<td>b.</td>
<td>Electronics / Electrical</td>
<td>7,100 sf</td>
</tr>
<tr>
<td>c.</td>
<td>Welding Fabrication</td>
<td>1,000 sf</td>
</tr>
<tr>
<td>d.</td>
<td>Aviation</td>
<td>30,000 sf</td>
</tr>
<tr>
<td>B4</td>
<td>Enhance Campus Front Door</td>
<td></td>
</tr>
<tr>
<td>a.</td>
<td>Entrance at Mulford Road</td>
<td>$200,000</td>
</tr>
<tr>
<td>b.</td>
<td>Southwest Corner of Campus</td>
<td>$500,000</td>
</tr>
<tr>
<td>B5</td>
<td>Enhance Student Gathering Space</td>
<td></td>
</tr>
<tr>
<td>a.</td>
<td>Creek’s Edge</td>
<td>$193,092</td>
</tr>
<tr>
<td>i.</td>
<td>Footbridge Replacement</td>
<td>$71,800</td>
</tr>
<tr>
<td>ii.</td>
<td>Creek’s Edge JCSM</td>
<td></td>
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<tr>
<td>b.</td>
<td>Plaza Between ERC and CL1</td>
<td>$200,000</td>
</tr>
<tr>
<td>c.</td>
<td>Campus Green</td>
<td>$300,000</td>
</tr>
<tr>
<td>B6</td>
<td>Improve Boiler House Aesthetics</td>
<td>$500,000</td>
</tr>
</tbody>
</table>

Karl J. Jacobs Center for Science and Mathematics $27,000,000 - 30,000,000  
Revised January 2009 from C1 $5,000,000 - $6,000,000 (RVC Portion Only)  
Converted to Locally Funded Project, removed ICCB RAMP document
<table>
<thead>
<tr>
<th>Priority C (5+ years)</th>
<th>Estimated Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>C2 Spring Brook Road Entry Improvements</td>
<td>$450,000</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>On-Going Priorities</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>D1 Land Acquisition at Main Campus and Stenstrom Center</td>
<td>Varies</td>
</tr>
<tr>
<td>D2 Life Safety Upgrades</td>
<td>Varies</td>
</tr>
</tbody>
</table>
Landscaping

Once a 220 acre Midwestern farm with the archetypical grazing and row-crops, the Rock Valley College site has been in constant change since the college put up the first structure.

As the college expanded, long-term landscape management played an increasingly important role in fulfilling the master plan. Initially, the areas around the buildings were mowed and a large portion of the farm continued to be managed as a hayfield while the areas on either side of the creek, around the pond, and around the perimeter of the property were ignored and became dominated by invasive, opportunist plants like Amur honeysuckle, wild black cherry, boxelder and black locust.

Following the landscape management philosophy, aggressive non-native plants are replaced with desirable plants suited to a variety of roles. Plants endemic to the area are a logical choice. Proven characteristics of diversity, tenacity and durability are enhanced by a living reminder of our ecological heritage. Complimentary plantings support the primary landscaping functions of erosion control, biological sanctuary, education, and esthetics. By emphasizing these features, the long-term management plan can accommodate continuing input while minimizing the potential of unforeseen disaster from diseases or pests.

Several areas around campus are set aside for natural prairie plantings, recreation pathways and creek enhancements to encourage observation, study and engagement.

**This will be page 1.5a in the Facilities Master Plan**
Sustainability

Sustainability (the capacity to endure, not depleting or permanently damaging resources) is a key objective now and going forward at Rock Valley College. The College has formed a standing Sustainability committee that is focused on improving existing practices, researching and employing new green practices where it is deemed practical while increasing educational programming related to the diverse fields of sustainability. The Sustainability Committee includes staff, faculty and administrators. Current programming efforts include but are not limited to:

**Educational:**
- Storm Water Pollution Prevention Plan training
- U.S. Green Building Council Rockford Chapter meeting, to include tour of the newly renovated Physical Education Center LEED Gold Design or designed to LEED Gold level (PEC) and a presentation on the PEC LEED certification process.
- Illinois Department of Commerce and Economic Opportunity Public Sector Workshop with the Smart Energy Design Assistance Center.
- Earth Day Celebration, which will include programs and speakers

The College has determined that all new and remodeled buildings will be designed to a LEED (Leadership in Energy and Environmental Design) Gold level. All buildings will be designed with energy efficiency and environmental impact in mind; these design features include but are not limited to:

**Energy:**
- Day light harvesting
- Low flow restroom fixtures
- Solar powered restroom fixtures
- Materials with high recycle content
- Geo-thermal
- Chilled Beam System
- Performance lighting T-5 bulbs.

**Environmental:**
- Natural Vegetation
- Natural Prairie
- Bio-swales, slows drainage run off
- Rain Gardens, slows drainage run off
- Green roofs, reduces heat absorption
- Cement sidewalks, reduces heat absorption.

Rock Valley College has been committed to recycling for many years. The College began an informal recycle process twelve years ago, in 2004 the College began a formal recycling effort, which includes recycling cardboard, paper, batteries, toner cartridges, electronics (computers) and fluorescent light bulbs. In 2009 the College recycled 50% of the overall waste stream. The College intends on continuing their commitment to a strong recycling programming.

**This will be page 1.9a in the Facilities Master Plan**
Space Utilization

Rock Valley College has begun to assess space utilization to better understand how classrooms are used and to determine if a classroom is available for use. The college is aware of the importance of scheduling down time for classrooms and labs so that the proper Indoor Environmental Quality (IEQ) parameters are met. Information on all classroom activities (classes and non-class events) is scheduled in Datatel and flows into R25 where all event information is entered. This enables academic and administrative units to have complete classroom utilization information identify classrooms that are available for use and allow for more effective space management campus-wide.

The Rock Valley College main campus currently has over 95* classrooms with new, state-of-the-art classrooms being constructed or planned for the future. The Stenstrom Center and Bell locations have 50* number of classrooms. The space utilization project was initiated to ensure that all existing classrooms are used efficiently and to begin to develop trend data for the college.

Space utilization first must begin with understanding the maximum number of seat capacity of the college. RVC has a total of 4317* seats. This figure does not incorporate all the available space on the campuses. Academics have both schedulable spaces as well as non schedulable spaces. The non schedulable spaces would include labs and areas for specific use. There are also meeting rooms that would not be included.

Over the last three years RVC has grown capacity by adding 2 new classrooms in the ERC remodel, SCCE University Center (increased from 3 to 6), PEC Remodel (3) plus (1) 96 seat auditorium, and have increased on-line and hybrid course offerings.

RVC will implement a new software application called X25. X25 will assess and give detailed, data-rich, easy-to-understand graphical views of RVC’s scheduling effectiveness, correct usage for available spaces, and space utilization. The capacity of this software will give RVC insight to make need assessments, informed space renovation, scheduling changes and to improve operational efficiency.

*This includes CLI, CLII, WTC (including CIM Cell), Building G, ERC (not PAR), PEC (weight room, dance studio, and fitness lab are included- gym not included)
*Chemistry, Nursing, Dental Hygiene, Welding and Automotive labs are included in the SCCE – Bell 013 not included
**Total number of spaces included is for CLI, CLII, WTC, G, ERC, PEC, SC, Bell, SCCE, NM and Eiger have not been included

**This will be page 1.10a in the Facilities Master Plan