

Capital Projects Accomplishments – First Half of Fiscal Year 2009-10

Capital projects are one of the visible signs that the College is growing, expanding, and changing to meet the needs of students, faculty, staff, and the residents of our district. The following is a list of projects that have been completed during fiscal year 2009, and those projects that are ongoing into fiscal year 2010.

The College has made great strides in enhancing the aesthetics of its picturesque Campus during the last fiscal year. These improvements also include our Education Centers. These improvements are included in our Institutional Plan and our Master Facility Plan. These improvements are collegiate, striking and eye catching, and further exemplify our commitment to our Mission Statement.

Key Personnel: Laura Wedekemper

Completed Capital Projects

These projects have been completed during the first half of fiscal year 2009-10:

Entry Walkway

The Scope of the Entry Walkway:

- Construction of a 12' wide 5" thick concrete walkway that leads 889' from the Shattuc Road to the West Edge of the West Parking Lot. The area immediately east of Shattuc Road will be split into two (2), 12' "legs" that will converge on the east side of the Signature sign and merge into one (1), 12' wide span. The thickness recommended by the Engineer is that it be no less than 5", so as to accommodate the College's utility vehicles. In addition, the proposed 12' width was determined to be adequate to allow for travel by foot and bicycle, etc., at one time, while traveling in both directions.
- Installation of bollard lighting along the entire walkway at 40' intervals on both the north and south sides of the walkway for added safety and security.
- Removable bollards have been installed to deter vehicular traffic, but will be removed in emergency situations if necessary.
- Three parking spaces were lost as a result of the project.

Project was completed earlier this fall.

Soccer Field

Kaskaskia College's Soccer Field is complete and was used in the Fall 2009 season. The new field includes a scoreboard with a public address system, flagpole, irrigation, underground drainage, hose bib, as well as sidewalk entrances for, shelters for the teams, officials, press, and scorekeepers. Kaskaskia College's first women's soccer team began this past fall; the men's team began this fall.

Funding for the field was provided by a combination of campaign and bond funds.

Project was completed earlier this fall.

Tennis Courts

Work has been completed on the six court tennis venue as the College re-establishes its men's and women's competitive tennis programs. These courts will also be used by the public and schools in the area.

Funding for the project was provided by a combination of campaign and bond funds.

Irrigation System

Over the past eight years, the College has made great strides in enhancing the aesthetics of its picturesque Campus by making landscaping improvements that include the revival of the Campus Arboretum. Along with these improvements comes providing proper maintenance of these natural enhancements.

The College design team met on several occasions with the Architect and irrigation consultant, and established areas that needed to be irrigated which encompass the areas surrounding the Health and Professional Careers Building and the Lifelong Learning Center Building, with the capability of adding additional areas to the system for future needs. Funding for this project came from residual Health and Professional Careers trust fund monies, and was completed in early fall.

Security Enhancements

Several catastrophic events that have occurred over the past few years have reminded us all of the vulnerabilities on our Nation's college campuses.

It is paramount that College Administrators and Staff continuously review and further enhance security measures in order to ensure the safety and security of all who come to Campus.

After such review, the following items were identified as high priorities and a "Security Enhancements" project was created that included the following items:

- Installation of 14 external speakers
- Installation of 179 thumb latches
- Installation of enhanced security measures in the Children's Learning Center

Funding for this project came from approved Protection, Health, and Safety fund monies and has recently been completed.

Server Room Renovation

It is imperative that the College protect its telecommunications, network, data and information systems from power outages and ensure these systems remain operational and accessible at all times. In addition, today's IT hardware and electronic equipment produce an unusual and concentrated heat load, and at the same time, is very sensitive to changes in temperature, which leads to system shutdown and component failures.

An appropriate heating and air conditioning system designed for network electronics along with a back-up power generator will provide a stable environment to our sensitive electronic equipment, allowing the College to avoid expensive downtime and interruption of services to students, faculty and staff.

Funding for this project came from technology bond funds, and has recently been completed.

Capital Projects in Progress First Half of Fiscal Year 2009-10

The following is a list of Capital Projects in Progress. Some of the projects are entering the design phase and others are currently under construction:

Fitness Center

Construction is nearing completion on the College's new, 13,636 square foot, state-of-the-art Fitness Center located on the south side of the College's Gymnasium. The new center will feature the latest in strength and weight training, cardiovascular/aerobic training, an indoor elevated track and two multi-purpose rooms that can be used for sports such as handball and racquetball as well as for aerobic and yoga courses. The new Center will also assist Kaskaskia College in providing degree and certificate programs to meet the demand for workers in health and wellness occupations. This project is being funded through usage and activities fees and is expected to be completed and fully operational following Spring Break 2010.

Athletic Training Facility

Kaskaskia College has recently added additional sports to the Athletic Program and most of the new sports are played outdoors. Tennis, soccer (men's and women's), softball, golf (men's and women's) and baseball need to practice during the winter months. Currently during the winter months scheduling around basketball and volleyball to allow everyone time to utilize the gym is very problematic. The Training Facility will allow everyone to practice for all sports. This Facility will enhance the sports programs at Kaskaskia College through the intercollegiate sports

that are being offered. The Training Facility will also allow practical application to go along with the softball theory and baseball theory classes that will be offered using the Facility.

The Training Facility can also be utilized as a back- up for outdoor sport summer camps which are at times cancelled due to inclement weather, which causes disappointment among all participants. Using the Gym for outdoor sport camps causes overcrowding and insufficient training due to lack of proper equipment and space. With the additional outdoor sports added to the Kaskaskia Athletic Program, the Training Facility Center will alleviate additional wear and tear to the gym floor.

All sports teams will be able to use the multi-purpose Training Facility because there will be striping on the floors for tennis, volleyball, soccer and basketball. The netting for the volleyball and tennis will have holes inset in the floor to stand the nets for both sports. There will be nets on both ends for soccer to practice, and basketball will have mobile nets that can be moved. Baseball and softball will utilize nets on both sides of the building that will be on a cable that can be slid out of the way when not in use.

The Training Facility will be located southeast of the Gymnasium and Fitness Center and to the west of the Truck Driving Training Area on the Main Campus. The "back" of the building will face South and the front door will face the east parking lot. The building will be 80'x100'x25', and consists of 8,000 square feet of space. The structure of the building will be a Pre-Engineered Metal Building System. There will be storage for equipment for all sports and classes and restrooms located inside of the main entrance.

Funding for this Facility includes the following sources:

- Capital Funding List \$ 45,000
- KCSA commitment \$100,000
- Campaign funds: \$ 55,000
- Budget: \$200,000.
- Total project budget \$400,000

Prairie Creek Fitness Trail

This trail will encompass approximately .78 mile, and will be constructed within Campus boundaries. The trail will consist of an 8" wide surface and include bridges and an area for fitness stations.

Currently, a design committee has been established and the trail is being designed and will be presented to the Board of Trustees' approval later this winter.

Project funding will come from a grant from the Illinois Department of Natural Resources and a combination of Campaign and budget funds.

Construction is scheduled to begin in the spring of 2010.

Bookstore Renovation

The proposed plan for the Bookstore Renovation involves the Bookstore acquiring HB 158 on a permanent basis, and HB 157 on an as needed basis. With the acquisition of HB 158, the Bookstore can expand to better serve the students, faculty and staff. The expansion creates and self service textbook area and a larger sales floor. The self service textbook room created by the expansion will allow students to pick out textbooks without delay. The expansion will also allow the space to accommodate additional checkout counters, and expanded apparel assortment, and office supplies.

Currently, a design committee has been established and has been meeting to work towards having a floor plan design to present to the Board of Trustees for approval in the first part of 2010.

Renovations of the Entrance to the Main Building & East Gym Entrance to the Gymnasium Building

This project will allow the College to move forward according to the commitments and goals under the College's Institutional Plan and make a positive reflection showing that Kaskaskia College is an institution of higher learning that cares about quality facilities as it serves its students and residents of Community College District #501.

The entry door system at the Main Building has deteriorated. Several leaks have been discovered in the storefront glass that has allowed water to infiltrate and energy efficiency has been greatly diminished as the outside air leaks through the voids.

At the East Entrance to the Gymnasium Building, there is not adequate area for accessibility and gathering upon entering the building and the current door system is not energy efficient.

Coupled with a new heating/cooling system for the entry spaces, the new curtain wall system along with high performance glazing will create a very comfortable environment.

Funding will be a combination of residual Health and Professional Careers Building Project monies and PHS collections for 2010.

Construction began in November and expected to be completed in time for Graduation in May.

Science Lab Renovation – Anatomy and Physiology Lab and Cadaver Room

Construction documents are being finalized for the next phase of science lab renovations. Renovation of the Anatomy and Physiology Lab and the Cadaver Room is scheduled to begin at the end of the spring 2010 semester and be completed by the beginning of the fall 2010.

Funding for this project is made available through Protection, Health and Safety (PHS) funds.

ADA Interior Room Signage

Project consists of ADA signage on Main Campus and the Crisp Technology Center that includes Braille and raised characters on a sign at a specific height requirement as per code.

Currently we have room signage that consists of a number above a door, and in some instances, there are no designations.

Funding will come from PHS monies, with the project expected to be completed by the Fall 2010.

Kaskaskia College Vandalia Campus Phase II

Kaskaskia College is dedicated to lifelong learning and is committed to providing educational and occupational job skills training to all residents of our district. The residents of Bond and Fayette County area have significant needs for broad based education and information. This Campus provides the citizens with high quality educational services for workforce training and enhancement, as well as comprehensive student services.

The College has been notified that the capital bill recently signed includes a \$5.6 mil award for construction of Phase II of the project, with additional monies coming from a gift made to the College.

This phase will incorporate much needed education rooms, labs, offices, and a venue that can be converted to accommodate conferences, meetings, and events.

Veterans Tribute

Kaskaskia College is working with several community members to construct a tribute to area Veterans. The proposed tribute will be located on the College's main Campus and will feature the names of Veterans and their branch of service, both living and deceased who reside, or has a relative who resides in Bond, Clinton, Fayette, Marion, or Washington Counties.

Funding is being sought from private sources.

Renovations to Existing Facilities for New Programs

- Horticulture – Renovations to the current greenhouse located in the northeast area of Campus
- Auto Parts Management – Renovations to ST 123 (Former Rad Tech area)
- Radio/Television Production and Recording Technology – Renovations to A 105a, which currently serves as a rehearsal area for small sectionals.

RAMP 2011 (Resource Allocation Management Plan)

Projects submitted for consideration include:

Priority #1 – Kaskaskia College Vandalia Campus Phase II

Kaskaskia College is dedicated to promoting life-long learning and is committed to providing educational opportunities and occupational job skills training to all residents of our district. The residents of the Bond and Fayette County area have significant needs for broad based education and information. The campus will provide the citizens of Fayette and Bond counties with high quality educational services for workforce training and enhancement, as well as comprehensive student services. To effectively deliver these educational services to our students, who need to upgrade skills for a current employer, acquire skills for a new employer, or enter the workforce for the first time, the College is requesting approval of a proposed Vandalia Education Center Phase II to be built. This phase will incorporate much needed education rooms, labs, offices, and a venue that can be converted to accommodate conferences, meetings, and events.

The College has been notified that the capital bill recently signed includes a \$5.6 mil award for construction of this Phase II project.

Priority #2 – Agricultural Facility

Kaskaskia College, Community College District #501 is uniquely suited to serve the needs of those students interested in dairy and livestock production. No other community college in the region or state has a dairy program. Two counties included in the Kaskaskia College district, Clinton and Washington, rank first and third, respectively, in milk production in Illinois. In addition, one of the largest family-owned pork production companies in the country, Maschhoff s, Inc. has its headquarters in the College's district.

A new agricultural facility will allow Kaskaskia College to continue to increase its course offerings, especially in the dairy and livestock areas. The College has a need to expand the College's Agriculture curricula for Agri-Business, Farm Records Management, Livestock Management, Crop Management, and Veterinary Technology, as well as an Equine program. A facility is needed that would accommodate classrooms and laboratories to meet the instructional needs of the Agriculture programs. Also, a Livestock Arena is needed for livestock shows, livestock judging contests, rodeos, farm equipment demonstrations, and other related exhibitions. The equine program would utilize the arena space to demonstrate several aspects of horsemanship as well as the training and handling of horses, and care of horses. In addition to traditional college activities (lectures and labs), an agricultural facility would accommodate community activities, such as sales, shows and youth activities. Non-agricultural groups will also find the facility useful for activities such as home shows and other activities that require large covered areas.

Construction of this Agricultural Facility will allow the College to provide educational and learning space for students and to provide space for a regional livestock arena. The project will provide educational space but additional will build partnerships with the agriculture industry that will contribute to the economic development in

the area. This project will move the College forward in meeting the instructional and economic needs of the district residents and businesses.

Priority #3 – Lifelong Learning Center Phase II (Health Occupations)

Kaskaskia College promotes lifelong learning and is committed to providing educational opportunities for all of the College's district residents. The proposed Lifelong Learning Center will be attached to the Phase I Lifelong Learning Center Building on the Main Campus. Due to our increase in enrollment, the Kaskaskia College Board of Trustees approved Phase I of the Lifelong Learning Center and began offering seminars and classes in the Spring 2009 semester. Phase I does not meet the needs, thus we must look to different avenues to accommodate our expanding district resident's needs regarding Lifelong Learning.

The proposed Lifelong Learning Center Phase II will provide space for:

- Health Occupations programs
- An Art Studio with display and Ceramics lab
- Classroom and lab space for Language Arts programs
- Specialized areas to accommodate Leadership and Entrepreneur programs as well as Business and Industry training
- Expanded space for Teacher Education and other non-credit/continuing education programs
- Nursing CEU training
- Offices for Faculty and Staff

Protection, Health, and Safety Projects

These projects have been approved by the Board of Trustees and the ICCB and preliminary design has begun.

Heating System Improvements

Replacement of heating/cooling system secondary pumps (boiler recirculation pumps), below floor piping, and unit ventilators – Also included is the replacement of the coils in the HB Building handling units - Piping and equipment are at the end of their useful life. New unit ventilator installation would provide outside air meeting requirements of current codes and would be energy efficient units.

Replacement of Light Fixtures in the Gymnasium Building (Excluding Gym Floor)

Replacement of Gymnasium ceilings and light fixtures in the hallways, restrooms, locker rooms, and dressing areas – The ceilings in these areas are over 35 years old and are deteriorating. The light fixtures are in need of repair and in several cases need to be totally replaced. Fixtures would be installed that provide both energy and cost efficiency.

Zone Pump Replacement

The seven zone pumps serving 90% of the buildings on campus are the original units installed during construction. Median service life for this type of equipment is 20 years. The pumps serve the heating and cooling coils, therefore operate year round. Each pump has a back-up which are also 37 years old. Pump failure during extreme cold periods could lead to coils freezing, possible water damage to the buildings, and subsequent class cancellations. By replacing the pumps, failure rate is significantly reduced for years.

The project consists of the replacement of the seven zone pumps with new pumps. Pump replacement includes shut-off valves, triple-duty valves, pressure gauges, flexible connections, minimal pipe, electrical and control connections.

The project has been designed and construction documents have been created. Bidding is expected to happen this winter, with replacement to occur this spring.

Replacement of Air Handlers in the Gymnasium Building

The four air handlers serving the Gymnasium building are the original units installed in 1968. Median service life for this type of equipment is 20 years. Replacement parts are becoming scarce or non-existent. Should a unit fail during an extremely cold season, some portions of the building may experience freezing and bursting of pipes and/or cancellation of events scheduled in the building.

The project consists of the replacement of the four air handlers with new equipment. Replacement includes new fan, coil and filter sections. New shut-off valves and control valves to the coils. Also included is the reconnection of the electric and controls. Some additional ductwork and transitions will be necessary.

Emergency Lighting and Exit Sign Improvements

This intent of this project is to provide replacement and improvements to the emergency lighting systems and exit light systems on main campus. The majority of the existing exit signage and lighting is in excess of 30 years old and at the end of its useful life. The reliability the equipment is questionable. This project will increase the level of safety for the College's occupants by providing new equipment that offers acceptable illumination levels.

Existing exit signs will be replaced and additional exit signs will be added in each building to clearly identify the means of egress from each building. New exit signs will be LED type and equipped with battery back-up.

The new emergency lighting system will be provided to illuminate the means of egress in each building. The system will provide battery back-up to operate the lighting system for not less than 90 minutes during periods of power interruption.

Unit Ventilator Replacement

In a PHS project completed last winter, we replaced 39 selected unit ventilators in the Science and Technology building and Library building. Several more need to be replaced throughout Campus, which include the Administration building, Fine Arts building, restrooms, Student Center, and faculty offices.

Currently, there are 35 large unit ventilators that need to be replaced, and 27 small unit ventilators that need to be replaced throughout Campus. The estimated cost for unit vents is \$8,500 for large units and \$5,500 for small units. Also needed are supplemental air conditioning units for several computer labs on Campus. The estimated cost for these units is \$2,500 each.

Plans are to replace the remaining unit ventilators and install the supplemental units in three phases. Upon approval, the priority will be determined within the Office of the Director of Facilities, based on criteria such as age of existing units, occupancy, and budget. (Units have been replaced in the restrooms across from the Bookstore)

Water Shut-Off Valve Replacement

The water valves are over 30 years old. When a break occurs, the valves are either impossible to turn, or do not fully restrict the flow of the water. Some of the valves are located well beneath the surface and are difficult to get to. Due to the condition of the valves, isolation of a particular area is difficult, and in most cases, impossible to do. As was the case with the break that recently occurred south of the walkway bridge, Campus needed to be shut down because water had to be turned off to the entire Campus. All of the valves need to be replaced. There are 21 water valves that will need to be replaced throughout Campus. One of the unforeseen conditions of this project is the water line that connects to the existing valves. When this project gets underway, it may be necessary to replace water line as well. The cost to replace 2 ½ feet on each side of each water valve has been built into the estimate. However, additional water line may need to be replaced, depending on inspections conducted as the project moves into design phase.

Automatic Operators Restroom Doors

All of our Campus restrooms need to be accessible to everyone, including those individuals that are confined to a wheelchair. In many of our restrooms the entry door is inside of a narrow “vestibule” and is not easily opened by those in a wheelchair. Even those that are can be difficult when the individual in the wheelchair has to reach out over the chair in order to push it open. We need to install automatic door operators in eight restrooms. (Two have been completed to date)

Fire Hydrant Replacement

As the Campus expands, the necessity of adequate flow and operation of our fire hydrants is essential. The existing hydrants are over 30 years old and need to be replaced.

Video Surveillance Security System

Recent events have reminded all of us of our vulnerabilities on our Nation’s college campuses. Security of our students, faculty, and staff is paramount. Currently, we are preparing a project that includes the installation of an external speaker system, additional emergency call boxes, and thumb latches.

Recommended for funding is a video surveillance security system. This will allow video monitoring of all areas on the main Campus. Currently, we have video surveillance in the Health and Professional Careers Building, Lifelong Learning Center, Vandalia Education, the new Salem Education Center, and the new Greenville Education Center.

Replacement of Sidewalk Lighting

Safety is essential to our sidewalks throughout campus. Not only do we need to have sidewalks that are free of obstructions, we must have the walks properly illuminated at night.

Currently the College has site lighting that is not energy efficient and needs to be replaced with energy efficient lighting that illuminates down onto the pavement for enhanced visibility and safety. Fixtures will be consistent with the fixtures that have been installed in areas surrounding the Lifelong Learning Center, Health and Professional Careers Building, and Commons Drive.

As part of the Entry Renovation Project currently underway, the outdoor lighting will be replaced with the new style of pole light that has been used in recent projects. In addition to the pole lights, the exterior wall pack lights that are located on the north side of the auditorium will also be replaced.

Replacement of Air Handler Controls

The controls that are attached to our 8 air handler units are over 30 years old and in poor operating condition. These controls allow for the opening and closing of the dampers at the proper times to maintain temperature.

Over the past few years, there have been 3 specific incidents where the coils have frozen and damage to the buildings occurred.